

AI-84136
 ya af name
 George
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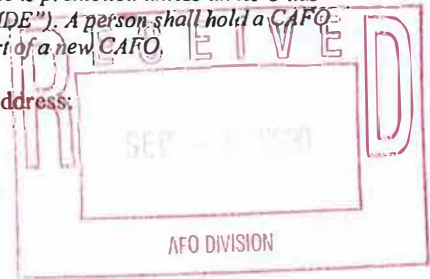
NOTICE OF INTENT

General Discharge Permit for Animal Feeding Operations (AFOs) (19AF, MDG01)
 Land and Materials Administration – Resource Management Program
 Issued Pursuant to Title 9, Environment Article, *Annotated Code of Maryland*, and Code of
 Maryland Regulations (COMAR) 26.08.04

Submission of this Notice of Intent (NOI) constitutes notice that the person identified in this form intends to operate under and comply with all terms and conditions of the State/NPDES General Discharge Permit for AFOs (AFO Permit). The discharge of animal waste, including manure, poultry litter, and process wastewater to waters of the State is prohibited unless an AFO has been registered under the AFO Permit by the Maryland Department of the Environment ("MDE"). A person shall hold a CAFO discharge permit issued by MDE before beginning construction on any part of a new CAFO.

Please submit this completed NOI Form to the following address:

Maryland Department of the Environment
 Land and Materials Administration/AFO Division
 1800 Washington Boulevard, Suite 610
 Baltimore, Maryland 21230-1719



General Information

AI Number: 84136

1. LEGAL Name of Applicant (must match name on required plan):
My Lady's Manor Farm, Inc

2. AFO Type (circle one): CAFO / MAFO

3. Applying for (check one):
 New Coverage see column 'A' in Question 4
 Continuation of Coverage (renewal) see column 'B' in Question 4
 Modification of 19AF Coverage see column 'C' in Question 4

4. Reason for NOI (please fill out corresponding column):

A. New Coverage	B. Continuation of Coverage (renewal)	C. Modification of 19AF Coverage
<input type="checkbox"/> New owner/operator <input type="checkbox"/> Proposed operation (NO construction may begin until permit coverage is obtained) • Date of anticipated start of AFO operation: _____	<input checked="" type="checkbox"/> No changes in operation <input type="checkbox"/> There has been a change in one or more of the following (please indicate): ○ Size or number of houses ○ Animal number, resulting in change of size category ○ CAFO to MAFO, MAFO to CAFO ○ No-Land to Land, Land to No-Land ○ Conventional operation to organic	<input type="checkbox"/> Expanding <input type="checkbox"/> Change in animal number, resulting in change of size category <input type="checkbox"/> Change from CAFO to MAFO <input type="checkbox"/> Change from MAFO to CAFO <input type="checkbox"/> Change from no-land to land <input type="checkbox"/> Change from land to no-land <input type="checkbox"/> Change from conventional to organic operation

Applicant (Owner/Operator Information)

5. Mailing Address of Applicant: 4030 Houcks Road
 City: Monkton State: MD Zip Code: 21111-1816

6. Telephone Number(s) of Applicant: (Home) [REDACTED]
 (Cell) [REDACTED]

7. Email of Applicant: [REDACTED]

Farm Information

Please attach a topographic map including the production area as well as the land application area (if applicable)

8. Farm Name: Same as Legal Name
 Other (please specify): _____

9. Farm Address: 4127 Old York Road
 City: Monkton County: Hartford Zip Code: 21111

10. Watershed/Hydrologic Unit Code (HUC) (12-digit): 021300040299

11. Latitude/Longitude of Production Area (Deg/Min/Sec): 39°-36-53.2 / 76°-32-51.0 Dairy cattle
39°-35-35.1 / 76°-33-26.5 Heifers

12. Animal Information:

A. Animal Type(s) <i>(from AFO size chart)</i>	B. Maximum Number of Animals at any given time <i>(For poultry, please indicate bird type and number per flock)</i>	C. Operation Size <i>(consult AFO size chart)</i>	D. Animal Confinement Type <i>(e.g. house, feedlot, barn, milking parlor, pen)</i>
Dairy Cattle	450	Medium	Barn
Cattle/Heifers	325	Medium	Barn/Feedlot

*For poultry only (13-16):

N/A

13. *Number of poultry houses: _____

14. *Combined square footage of all poultry houses: _____

15. *Date(s) poultry houses constructed: _____

16. *Integrator (check one):

<input type="checkbox"/> Allen-Harim	<input type="checkbox"/> Mountaire	Contact Information:
<input type="checkbox"/> Amick	<input type="checkbox"/> Perdue	Phone No.: _____
<input type="checkbox"/> Coleman	<input type="checkbox"/> Tyson	Address: _____
<input type="checkbox"/> Other (please specify): _____		_____

Manure/Mortality Management

17. Total Manure/Litter/Wastewater generated annually: 1200 tons 3.3 million circle one: (tons / lbs / gallons)

18. Total Manure/Litter/Wastewater transported offsite annually: 0 circle one: (tons / lbs / gallons)

19. **Total number of acres controlled by applicant available for land application of manure/litter/process wastewater: Owned: 400 Leased: 500

***40 CFR Parts 122.23(b)(3) and 412.2(e) define "land application area" as all land under the control of the AFO owner/operator, whether by ownership, lease, or agreement, to which manure, litter or process wastewater is or may be applied.*

20. Manure Storage (please list individually):

A. Type (e.g. shed, lagoon, pit)	B. Capacity (ft ³ , gal)	C. Solid/Liquid
12'x92' Concrete Tank	73,100 cuft	Liquid
12x70' Concrete Tank	42,320 cuft	Liquid

21. Mortality Management Method:

- Compost Incinerate
- Freeze Other (please specify): _____
- Render

CAFOs Only - Fees

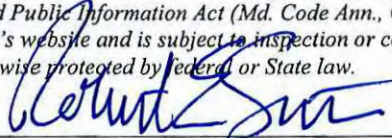
Once a completed NOI is received by MDE and processed, MDE will invoice the applicant for any permit fees owed pursuant to COMAR 26.08.04.09-1.

Required Plan

CAFO permit application requirements at 40 CFR §122.21(i)(1)(x) specify that applications for coverage (including NOIs) must include nutrient management plans (NMPs) that at a minimum satisfy the requirements specified in 40 §122.42(e). Comprehensive Nutrient Management Plans (CNMPs), as defined in the General Discharge Permit for Animal Feeding Operations (AFOs) (19AF, MDG01), satisfy these requirements. An application will not be processed until a completed NOI form and a current CNMP are received. A CNMP must be developed by a certified and licensed plan writer, and in addition to the federal requirements, must satisfy the nutrient management requirements in COMAR 15.20.07 and 15.20.08.

Certification

By signing this form, I the applicant or duly authorized representative, do solemnly affirm under the penalties of perjury that the contents of this application are true to the best of my knowledge, information, and belief. I hereby authorize the representatives of MDE to have access to the AFO and associated lots/facilities (farms) for inspection and to records relating to this application at any reasonable time. I acknowledge that depending on the type of permit applied for, other permits or approvals may be required. The personal information requested on this form is intended to be used in processing your NOI. This Notice is provided pursuant to Title 4 of the General Provisions Article, Annotated Code of Maryland. Your NOI may not be processed if you fail to provide all requested information. You have the right to inspect, amend, or correct this form. MDE is a public agency and subject to the Maryland Public Information Act (Md. Code Ann., Gen. Prov. §§ 4-101, et seq.). This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not otherwise protected by federal or State law.



 Signature of Applicant / duly authorized representative
 Robert E. Smith

 Printed Name of Applicant / duly authorized representative

Sept 3, 20

 Date
 Owner - pres.

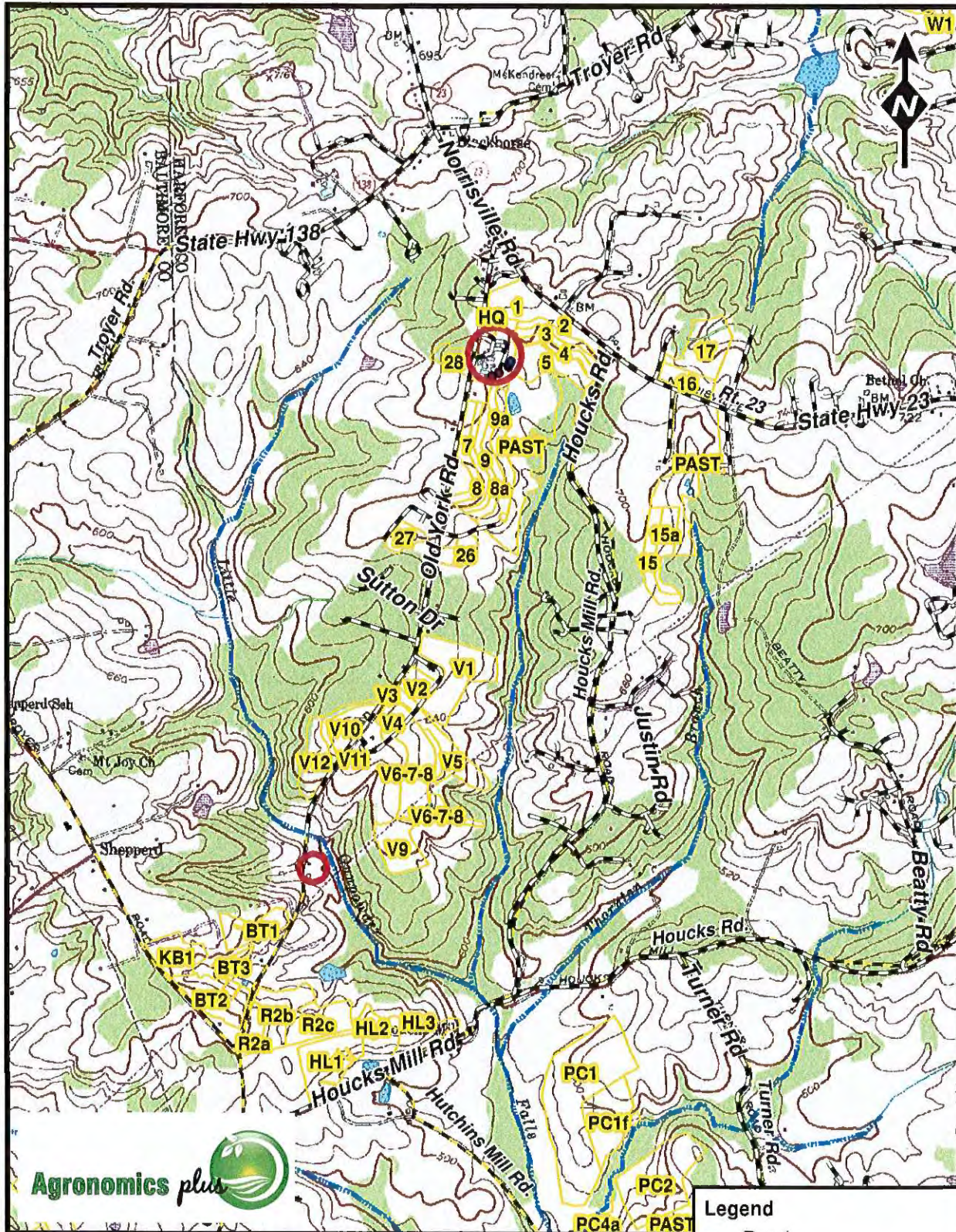
 Title

AFO Size Chart

Animal Type	Circumstances under which Animal Feeding Operations Require Permit Coverage		
	CAFO or MAFO Registration Required	CAFO/MAFO Registration Required under Certain Circumstances	Registration Needed Only if Designated
	Large	Medium	Small
Cattle (includes heifers)	1000 or more animals	300—999 animals	less than 300 animals
Dairy cattle	700 or more animals	200—699 animals	less than 200 animals
Horses	500 or more animals	150—499 animals	less than 150 animals
Veal	1000 or more animals	300—999 animals	less than 300 animals
Swine ≥ 55 pounds	2500 or more animals	750—2499 animals	less than 750 animals
Swine < 55 pounds	10,000 or more animals	3,000—9,999 animals	less than 3,000 animals
Sheep and lambs	10,000 or more animals	3,000—9,999 animals	less than 3,000 animals
Ducks with liquid manure handling+	5,000 or more animals	1,500—4,999 animals	less than 1,500 animals
Chickens with liquid manure handling	30,000 or more animals	9,000—29,999 animals	less than 9,000 animals
Ducks with dry manure handling	30,000 or more animals	10,000—29,999 animals	less than 10,000 animals
Laying hens with dry manure handling	82,000 or more animals	25,000—81,999 animals	less than 25,000 animals
Chickens (other than laying hens) with dry manure handling	125,000 or more animals or greater than or equal to total house size of 100,000 ft ²	37,500—124,999 animals and less than total house size of 100,000 ft ²	less than 37,500 animals
Turkeys	55,000 or more animals	16,500—54,999 animals	less than 16,500 animals

+A separate discharge permit is required for large category duck CAFOs

My Lady's Manor



0 1,000 2,000 4,000 6,000 Feet

Legend

- Roads
- My Lady's Manor Fields
- Streams
- Roads



Comprehensive Nutrient Management Plan

My Lady's Manor Farm, Inc.

Robert Smith

Farm Location:

4127 Old York Road

Monkton, MD 21111



<i>Plan developed by:</i>
<i>Name: David Kann</i>
<i>Address: PO Box 1011</i>
<i>East Berlin, PA 17316</i>
<i>Phone: 717-792-1274 Cell: 717-309-6247</i>
<i>E-mail: agplanner@comcast.net</i>

Harford Soil Conservation District

410-838-6181 x3

Plan Written/Updated: 12/31/2024 (original 12/27/2017, 2014, and 2009)

Type of Plan: Land No-Land

**Concentrated Animal Feeding Operation (CAFO) or Maryland Animal Feeding Operation (MAFO) – provide the numbers below (if applicable)

AI Number: 84136

AFO-Registration Number: 2020-CDC-0683

CNMP Purpose and Agreement


The Comprehensive Nutrient Management Plan (CNMP) is an important part of the conservation management system (CMS) for your Animal Feeding Operation (AFO). This CNMP documents the planning decisions and operation and maintenance for the AFO.

This CNMP is valid as long as there are no major changes to the operation. A CNMP plan revision will be needed when the number of animals deviates by 10% from the planned amount or when the operation changes from one type of livestock to another. Nutrient management plan revisions will be needed based on Maryland Department of Agriculture Nutrient Management regulations.

This CNMP was developed paying special attention to the USEPA's required nine minimum practices for water quality protection. This plan when implemented by the farmer will ensure clean runoff is diverted from manure storage and production areas and livestock are prevented from making direct contact with waters.

Owner/Operator

As the owner/operator of this CNMP, I, as the decision maker, have been involved in the planning process and agree that the items/practices listed in each element of the CNMP are needed. I understand that I am responsible for keeping all necessary records associated with implementation of this CNMP. It is my intention to implement/accomplish this CNMP in a timely manner as described in the plan.

Signature: 

Date: 3/15/25

Name (print): Robert E. Smith

Certified Comprehensive Nutrient Management Plan (CNMP) Planner

As a Certified Comprehensive Nutrient Management Plan (CNMP) Planner, I certify that I have reviewed the *Comprehensive Nutrient Management Plan* and that the elements of the documents are technically compatible, reasonable and can be implemented.

Signature 

Date: 12/31/2024

Name: David D. Kann
Title: Engineering Technician /
Environmental Planner
Company: Agronomics Plus

Planner Certification: PA-134 CCP: 259
and TSP-04-4509

<i>Plan Contents</i>
<i>CNMP Purpose and Special Conditions</i>
<i>General Operation Narrative and Introduction</i>
<i>Emergency Contact Phone Numbers for Persons/Agencies</i>
<i>Farmstead and Production Area Information</i>
<i>Manure and Wastewater Handling and Storage</i>
<i>Techniques in collecting a Manure Analysis & Application</i> <i>Equipment Calibration Procedures</i>
<i>Production Area(s) - Watershed Description</i>
<i>Animal Mortality Management</i>
<i>Emergency Action</i>
<i>Biosecurity</i>
<i>Conservation & Land Treatment Practices:</i> <i>Maps of the Agricultural Operation</i> <i>Conservation Plans</i> <i>Land Treatment Practices</i> <i>Soil Descriptions, Tillage Management, and Soil Loss Calcs</i>
<i>Responsibility Guide & Implementation Schedule</i>
<i>BMP Operation & Maintenance Guidance</i>
<i>Nutrient Management Plan (NMP)</i> <i>NMP Maps of the Farm Operation</i> <i>Manure Generation Calcs</i> <i>Manure/Litter Test Results</i>
<i>Required Record Keeping (template forms)</i>
<i>Appendix: Water Resource Evaluation</i>

Purpose of the Comprehensive Nutrient Management Plan (CNMP)

A Comprehensive Nutrient Management Plan (CNMP) is a conservation system that is unique to your animal feeding operation (AFO). This plan is a grouping of conservation practices and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved for your operation. A CNMP incorporates practices to utilize animal manure and organic by-products as a beneficial resource. Your CNMP addresses natural resource concerns dealing with soil erosion, manure, and organic by-products and their potential impacts on water quality, which may derive from an AFO. A CNMP is developed to assist an AFO owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. For nutrient impaired stream segments or water bodies, additional management activities or conservation practices may be required to meet local, tribal, State, or Federal water quality goals or regulations.

The conservation practices and management activities planned and implemented as part of a CNMP must meet NRCS technical standards. For those elements included by an owner and/or operator in a CNMP for which NRCS currently does not maintain technical standards (i.e., feed management, vector control, air quality), producers should meet criteria established by Land Grant Universities, industry, or other technically qualified entities. Within each state, the NRCS State Conservationist has the authority to approve non-NRCS criteria established for use in the planning and implementation of CNMP elements.

Nutrient management and waste utilization manage the source, rate, form, timing, placement, and utilization of manure, rather than disposing of it as a waste residual. The goal is to effectively and efficiently use nutrient resources derived from animal waste to adequately supply soils and plants to produce food, forage, fiber, and cover while minimizing environmental impacts.

Minimum Standards of a CNMP

The Nine Minimum Standards to Protect Water Quality:

- 1. Ensure adequate storage capacity.** Design, construct, operate, and maintain the production area and all animal waste storage structures to contain all animal waste, including any runoff or direct precipitation from a 25-year, 24-hour storm. Need to store dry manure in a way that prevents polluted runoff. Properly operate and maintain all storage facilities.
- 2. Ensure proper management of mortalities to prevent the discharge of pollutants into waters of the State.** Do not dispose of mortalities in an animal waste or other storage or treatment system that is not specifically designed to treat animal mortalities without written permission from the Department, which may be granted if the Department determines catastrophic circumstances.
- 3. Divert clean water, as appropriate, from the production area to keep it separate from process wastewater.** For CAFOs, conduct daily inspections of all outdoor water lines, and those located inside buildings with grated floors, on all days the CAFO is in operation. Correct any deficiencies found as a result of the inspections as soon as possible, and maintain a log of deficiencies found and corrected. The log must contain records of any deficiencies not corrected within 30 days and an explanation of the factors preventing immediate correction.

4. Prevent direct contact of confined animals with waters of the State.

5. Chemical Handling. Ensure that chemicals and other contaminants handled on-site are not disposed in any manure, litter, process wastewater, or storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants. No pesticides, cleaning agents, or fuels shall be stored in any animal operation area, unless directly necessary for animal care and public health. These products shall not be allowed to enter waters of the State. The permittee shall notify the Department of any spills or other discharges as detailed under Part V.F. "Noncompliance Notification."

6. Conservation practices to control nutrient loss, including site-specific conservation practices.

a. An **AFO** shall maintain a setback of 100 feet or a 35 foot **vegetated filter strip** between stored **poultry litter** and **manure** and **waters of the State**, as well as field ditches. For existing permanent storage structures, an alternative to this requirement is provided in paragraph IV.A.1.b.6 of this permit.

b. For a poultry CAFO, permit condition IV.B.1. applies to the storage of poultry litter manure. In addition, poultry manure stored for more than 14 calendar days in the field, where manure may be applied as nutrients for crop growth under a nutrient management plan, shall be separated from ground water and storm water to prevent leaching or runoff of pollutants through the use of both a plastic liner and cover, at least 6 mils thick, or an equivalent method approved by the NRCS (if a standard is adopted by NRCS that meets federal requirements for CAFOs and is approved by the Department).

c. For a poultry MAFO, MDA and NRCS requirements apply to the field storage of poultry litter manure. The following additional requirements for poultry litter manure field storage areas do not include authorization to discharge pollutants to surface waters of the State:

i) **MAFO** poultry litter manure stored for more than 30 calendar days in the field shall be separated from ground water and storm water to prevent leaching or runoff of pollutants through the use of both a plastic liner and cover, at least 6 mils thick, or an equivalent method approved by the NRCS.

ii) If reputable research is performed, based on a plan approved by the Department and MDA, resulting in data that indicates that 30 calendar days is more restrictive than necessary to protect water quality, and/or other more effective approaches to controlling discharges from poultry manure stockpiles are recommended and available as a result of the study, the 30 calendar day requirement shall be automatically stayed and the permit reopened to implement appropriate permit revisions through a public process.

7. Protocols for manure and soil testing. Identify specific animal waste sample collection and analysis protocols to include at least annual analysis for phosphorus and nitrogen content. Include analysis of soil samples for pH and phosphorus content at least once every three years for all fields where animal waste may be applied. Protocols shall be consistent with Maryland's technical standards at COMAR 15.20.07 and 15.20.08.

8. Protocols for the Land Application of Manure and Wastewater. Follow protocols for development of a nutrient management plan and for the land application of animal waste in COMAR 15.20.07 and 15.20.08, which specify who is eligible to develop a NMP, determination of limiting nutrient, nutrient recommendations, acreage, and expected yield for each field. Animal waste shall not be applied at a rate higher than agronomic requirements in accordance with the Maryland Nutrient Management Manual. Animal waste shall be prevented from entering field ditches, adjacent properties, and other

waters of the State, or conduits to waters of the State, except floodplains. In addition, the following requirements for setbacks shall be maintained:

a. A **setback** of at least 100 feet from waters of the State, as well as field ditches, other conduits, intermittent streams, and drinking water wells, shall be maintained; or an **approved alternative** may be substituted for the 100 foot setback.

b. A setback of at least 100 feet from property lines shall be maintained, unless an approved alternative setback for property lines is established with the consent of the adjacent property owner.

c. Alternative Setback Requirements Applicable to Poultry MAFOs. For slopes of 2% or less, a MAFO may satisfy the land application setback and buffer requirements of this permit by maintaining 1) a vegetated filter strip at least ten feet wide along field ditches and in the final 35 feet of the field ditches (applicable to ditch embankments and, to the maximum extent practicable, the channel) adjoining the receiving waters or the operation boundary, whichever occurs first, and 2) a 35 foot vegetated filter strip or a 50 foot setback from all other surface waters of the State, as defined in Part II.JJ.1. In Critical Areas, other alternative setbacks may be required by the Department.

9. Record Keeping. Maintain all records necessary to document the development and implementation of the NMP and Conservation Plan and all other requirements of Parts IV and V of this permit. These records shall be maintained for five years.



Facts About...

CAFO/MAFO Environmental Permitting Checklist

Animal feeding operations (AFOs) of a certain size that “propose to discharge” must apply for coverage under MDE’s General Discharge Permit for Concentrated Animal Feeding Operations (CAFO), State/Federal permit number 09AF/MDG01.

This checklist will help you determine if you are required to apply for coverage under this permit and it will walk you through the six steps in the permitting process if you are a CAFO or a Maryland Animal Feeding Operations (MAFO).

The standard turnaround time (the time it takes to process the Notice of Intent (NOI) Package and register a new CAFO or MAFO for General Permit coverage is 180 days.

Contact Gary Kelman of MDE’s CAFO Unit if you have any questions at 410-537-4423 or gkelman@mde.state.md.us.

Step 1: Use the following table to determine if your operation is a CAFO or a MAFO.

AFO Table of Small, Medium, and Large Size Categories

Animal Type	Size Category - Number of Animals or House Capacity (ft ²)		
	A	B	C
	Large	Medium	Small
Cattle (includes heifers)	≥ 1000 animals	300—999	< 300
Dairy cattle	≥ 700 animals	200—699	< 200
Horses	≥ 500 animals	150—499	< 150
Veal	≥ 1000 animals	300—999	< 300
Swine ≥ 55 pounds	≥ 2500 animals	750—2499	< 750
Swine < 55 pounds	≥ 10,000 animals	3,000—9,999	< 3,000
Sheep and lambs	≥ 10,000 animals	3,000—9,999	< 3,000
Ducks with liquid manure handling*	≥ 5,000 animals	1,500—4,999	< 1,500
Chickens with liquid manure handling	≥ 30,000 animals	9,000—29,999	< 9,000
Ducks with dry manure handling	≥ 30,000 animals	10,000—29,999	< 10,000
Laying hens with dry manure handling	≥ 82,000 animals	25,000—81,999	< 25,000
Chickens (other than laying hens) with dry manure handling	≥ 125,000 animals or ≥ 100,000 ft ²	37,500—124,999 animals and < 100,000 ft ²	< 37,500 animals
Turkeys	≥ 55,000 animals	16,500—54,999 animals	< 16,500 animals

If your operation falls in columns A or B of the following chart and runoff from your production area is likely to discharge water to surface waters (see U.S. EPA for definition of discharge fact sheet in the Appendix), then you are a CAFO.

If your operation falls in column A of the chart and runoff from your production area does not discharge water to surface waters, then you are a MAFO.

If your operation falls in Column C, you do not have to apply for coverage under the General Permit unless your operation is found by MDE or EPA to have the potential of polluting the waters of the State, such as having animal access to surface waters or animal waste stored in such a way to pollute surface waters.

(MDE or EPA may designate any AFO as a CAFO if conditions warrant. MDE may designate any AFO a MAFO if conditions warrant.)

Step 2: Find the category that applies to your operation in the following list and submit the documentation necessary to apply for coverage under the new General Permit for CAFOs and MAFOs.

Category 1: CAFOs currently registered under the previous General Permit 96-AF must submit:

- Notice of Intent to comply with the General Permit (NOI); AND
- CNMP no later than February 1, 2010 (within 60 days after the effective date of new General Permit)

Category 2: Existing AFO newly defined as a CAFO from Step 1, above, including poultry CAFOs with dry manure handling must submit an NOI AND CNMP.

Note: If you operated an AFO that meets the criteria for Category 1 or 2 above that existed prior to February 27, 2009, State regulation required that you apply for coverage under the General Permit by February 27, 2009. If you have not yet submitted an application, you should apply for coverage as soon as possible.

Category 3: Existing AFO that is defined as a MAFO from Step 1, above, must submit:

- NOI no later than March 1, 2010 (90 days after the effective date of the General Permit) followed by either of the following no later than December 1, 2011 (2 years after the effective date of the General Permit):
 - o Maryland Department of Agriculture Nutrient Management Plan (NMP) AND a Conservation Plan (CP). The NMP and CP must be consistent with definition "DD" and Part 1B1 of the General Permit; OR
 - o CNMP.

Category 4: An AFO not falling under the criteria in Step 1. above, newly designated as either a MAFO or CAFO by the Department, no later than 90 days after receiving written notice of the designation, must submit:

- MAFO:
 - NOI, NMP AND a CP: OR
 - NOI AND a CNMP
- CAFO:
 - NOI AND a CNMP.

Category 5: Existing AFO on December 1, 2009, that later expands to become a MAFO or requires permit coverage as a CAFO, no later than 90 days after becoming a MAFO or CAFO must submit:

- MAFO:
 - NOI, NMP AND CP OR
 - NOI AND CNMP
- CAFO:
 - NOI AND CNMP

Category 6: New CAFOs or MAFOs must not begin operation prior to receiving written notification from the Department that the AFO is registered under the General Permit.

- New AFO meeting the criteria of a CAFO must apply for a General Permit at least 180 days before beginning operation but can begin operation as soon as they are registered under the General Permit:
- New AFO meeting the criteria of a MAFO must apply at least 90 days before beginning operation but can begin operation as soon as they are registered under the General Permit:
- New sources must comply with the permit requirements for an approved NMP and Conservation Plan as of the date of permit coverage

Category 7: AFOs that are not CAFOs or MAFOs that are of the type "chickens (other than laying hens) with dry manure handling" with a house capacity greater than 75,000 square feet, must send in a "Certification of Conformance" no later than December 1, 2012 (within 3 years of the effective date of the General Permit).

Comprehensive Nutrient Management Plans:

- If you are a CAFO you MUST send in a CNMP or a CNMP Status Form and a copy of the MDA required NMP with your NOI.
- A fully completed CNMP status form does not relieve you of the obligation to send in a CNMP with the NOI but provides MDE a basis to consider you as having taken the necessary steps to obtain a CNMP even if you are unable, through no fault of your own, to obtain your CNMP in a timely manner.
- If you are a MAFO, a NMP plus a CP can be submitted instead of a CNMP.

Planning Considerations:

In planning the Comprehensive Nutrient Management Plan, consideration was given to each of the potential components that may be included in this CNMP. This plan includes practices and management activities only for the CNMP elements checked. These include:

- Manure and Wastewater Handling and Storage
- Land Treatment Practices
- Nutrient Management
- Feed Management
- Record Keeping
- Other Utilization Activities

Operator/Landowner Concerns and Opportunities:

The purpose of the Smiths having this Comprehensive Nutrient Management Plan (CNMP) developed for their farm operation is to implement a technically sound, economically feasible farm plan, along with site-specific practices, which will minimize the impacts of their animal feeding operation on water quality and public health. The basic objective of developing this CNMP is to ensure the proper storage, handling and application of animal manures to the land and to minimize the potential for excess nutrients to migrate into surface or ground waters.

Sensitive Environmental Areas

No sensitive areas were being impacted or diminished by farming activities at the time of the site visit.

General Operational Setting

The nutrient management plan, contained in this CNMP, is a single-year plan. The NM plan will need revised on or before the expiration date. Any substantial changes, before this expiration date will need to be documented and revisions made by a certified consultant. A copy of this revision must be kept with your nutrient management records.

A Nutrient Management Annual Implementation Report must be submitted, each year, to the Maryland Department of Agriculture on or before March 1st.

Operator information:

Robert Smith
4030 Houcks Road
Monkton, MD 21111
[REDACTED]

Location:

39°36'55.4"N 76°32'51.2"W

CNMP Writer/Consultant information:

David D. Kann
PO Box 1011
East Berlin, PA 17316
(717) 309-6247
Certification #: PA-134
License Number: 2399

NMP – Consultant information:

David D. Kann
Agronomics Plus
Certification #: PA-134
License #: 2399

Nutrient Management Plan Narrative:

The farm is a dairy operation. The dairy operation operates and manages acreage in both Harford and Baltimore Counties. Commercial fertilizer supplements the manure in order to meet the nutrient needs of the crops.

A farmer making a fall-application of an organic nutrient source to fallow cropland shall plant a cover crop as soon as possible after application. The cover crop planting shall occur no later than November 15th of that calendar year.

County Location: Harford and Baltimore

CODE: 0022	WS CODE: 02-12-02-02 (Deer Creek)
CODE: 1022	WS CODE: 02-12-02-05 (Broad Creek)
CODE: 0214	WS CODE: 02-13-08-04 (Little Gunpowder Falls)
CODE: 0217	WS CODE: 02-13-08-05 (Loch Raven)
CODE: 0023	WS CODE: 02-13-08-04 (Little Gunpowder Falls)

Property ID	Acct ID Acres	Farm Name	Tract #	Acres	County	Watershed
██████████ ██████████ ██████████ ██████████ ██████████	145.47 12.08 2.13 2.15 2.27	Home	59	115.2	Harford	0023
██████████ ██████████	28.0 20.5	Axelsson	4355	14.3	Baltimore	0214
██████████	14.17	Breidenbaugh Court	11024	9.2	Harford	0023
██████████ ██████████	14.20 36.93	Bunting	2256	26.9	Baltimore	0214
██████████ ██████████	11.24 11.25	Bures (Fred's fld26) (see home map)	11025	5	Harford	0023
██████████	92.83	Clifford	1175	64.5	Baltimore	0217
██████████	78.77	Grimmel	55, 12065	62.5	Harford	0023
██████████	120.51	Hanna	66	98.2	Harford	0023
██████████	78.22	Hanlon (Bunting)	2256	30.9	Baltimore	0214
██████████ ██████████ ██████████	50.0 21.76 126.96	Ives	72	91.7	Harford	0023
██████████	20.74	Kirby	2145	11.3	Baltimore	0214
██████████	82.7	Perdue	64, only part of 65,	48.2	Harford	0023
██████████	18.2	Pierce	3390	14.5	Baltimore	0214
██████████ ██████████ ██████████	10.0 89.13 172.0	Pocock	11808, 10019	170	Harford	0023

██████████ ██████████ ██████████ ██████████ ██████████	0.17 2.08 4.31 73.39 28.5	Riepe	1218	50.8	Baltimore	0214
██████████ ██████████	3.43 7.75	Sterrett	10285	4.2	Harford	0023
██████████ ██████████	31.8 61.25	Hammerstein	11159, portion of 12065, 12066	36	Harford	0023
██████████ ██████████ ██████████	162 38.07 10	Voss	11809	18.7	Harford/ Baltimore	0023
██████████	12.30	Wagenfuehr	11764, 11765, 11766, 11767	10.7	Harford	0022
██████████ ██████████ ██████████ ██████████ ██████████	110.17 43.63 39.85 5.52 21.15	Wilson	946, 949	160.4	Baltimore	0217

TOTAL ACRES UNDER PLAN 1043.2

Emergency Contact Information

Farm Name	My Lady's Manor Farm, Inc.
Farm Address	4127 Old York Road, Monkton, MD 21111
Mailing Address	4030 Houcks Road, Monkton, MD 21111
Farm Phone	[REDACTED]
Directions to Farm	From I-83, take the Old York Road Exit (exit 36). Take Old York Road (RT 439) east. At stop sign, intersection of RT 23 and RT 439, take RT 23 south about 1.7 mile, turn right onto Old York Road (AmeriGas Company on the corner). Take 0.1 of a mile. Farm is on the left.

Farm Contacts

	Name	Daytime Phone	Farm Phone	Cell Phone	Night Phone
<i>Farm Owner</i>	Robert Smith	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Farm Operator	Jarod Smith	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Fire or Ambulance	911	911	911	911	911

Agency Contacts

Contact Agency	Person	Day Phone	Emergency Number
Health Department	County Office	410-838-1500	
Before you DIG, call Maryland's Miss Utility		1-800-441-8355	
Maryland Department of the Environment	Office: MDE Animal Feeding Operation Division 1800 Washington Blvd. Suite 605 Baltimore, MD 21230	410-537-3000 410-537-3510	1-866-633-4686
USDA Veterinary Services State Veterinarian	Dr. Jennifer Trout	1-866-536-7593 410-841-5810	

Contact Agency (cont.)	Person	Day Phone	Emergency Number
Sheriff's Office	Jeffrey R. Gahler	410-838-6600	
NRCS	County Office	410-838-6181	
U of MD Extension	County Office	410-638-3255	
MDA Nutrient Management	Headquarters	410-841-5959	1-800-492-5590
MDA Nutrient Management	Regional office (Reg 4A) PO Box 850 Bel Air, MD 21014	443-223-0403	
Agronomics Plus	David Kann	717-792-1274 Cell: 717-309-6247	

FARMSTEAD (Production Area)

This element addresses the components and activities associated with the production facility, feedlot or animal loafing facilities, manure and wastewater storage and treatment structures and areas, animal mortality facilities, feed and other raw material storage areas, and any areas used to facilitate transfer of manure and wastewater.

Production Facility Site Sketch/Data



CNMP Resource Concerns

The farm has over the years worked with the Conservation District and continues to work with NRCS to improve and update manure handling systems.

The resource concerns that currently exist are:

- Additional storage needs and aging infrastructure handling/storing manure.
- Livestock Earthen Concentration Areas

Farm Setting, Manure Generation, Treatment, and Storage

My Lady's Manor is owned and operated by the Smith Family. The dairy operation with approximately 410 milking and dry cows and an additional 400 heifer replacements. Lactating cows and dry cows in the have access to various barns and the manure generated in these locations is directed and scraped to existing circular concrete tanks. All other livestock utilize straw bedding; and is handled as a solid manure.

Manure Collection Systems

Semi-solid manure with bedding material from the freestall barns is collected and pushed into the manure storages. The parlor holding area, outside barnlots, and walkways are directed toward the manure storages.

Manure Application Equipment

Manure application equipment consists of vertical auger box spreaders and custom for-hire applicator who use calibrated liquid tankers, which deliver 7500 – 9000 gal/acre (SOME OF THE ACREAGE UTILIZES MANURE INJECTION), depending on crop type and time of the year. Pen pack materials, from animal housing, is applied at a rate of 12 tons/acre.

Method of Tillage

The tillage method for corn consists of a mix of NO-TILL and CONSERVATION-TILLAGE. Fall barley, triticale and wheat are all no-till.

Operation's List of Livestock

Animal Type	Weight lbs.	Number	Manure Generation*
Cows	1350	410	2,541,299 gallons
Heifers	600	90	204 ton collected
Calves	250-450	90	351 ton collected
Hanna & Pocock-Heifers	800	130	321 ton collected
Hanna-heifers	1000	90	278 ton collected

* See Animal Waste Quantity Estimate Worksheet for more details.

Manure application equipment should be calibrated to better gauge the current output per acre. A manure analysis should be taken at the time manure is being removed from the buildings. Manure will be sampled at least twice a year until a base line of nutrients is established.

Application of nutrients should be timed as close as possible to crop growth or uptake and placed near the root zone for efficient crop use. See Field Information Section for incorporation details. Application to saturated, frozen or snow-covered ground should be avoided unless a crop covers the ground.

Manure stockpiles should be stored in an appropriate roofed structure or covered with an impermeable cover. If no structure is available, manure should be in a 6-foot conical pile. When choosing a site to stockpile manure, wetlands and low lying areas should be avoided, as should any site that would allow runoff from stockpile to enter into any ditch, stream, or other surface water body.

Manure stockpiles should be stored in an appropriate roofed structure or covered with an impermeable cover. If no structure is available, manure should be in a 6-foot conical pile.

When choosing a site to stockpile manure, wetlands and low lying areas should be avoided, as should any site that would allow runoff from stockpile to enter into any ditch, stream, or other surface water body.

Stormwater Management

Rain water from the roofs of most of the buildings is directed via gutters and downspouts to a stable outlet. Where stormwater cannot be rerouted, it is directed to manure storages.

Storage Facilities (Existing)

Storage ID	Size/Volume of Storage Unit	Type of Liner	Condition and Thickness of Liner	Transfer ID	Meets 313 ¹ (Y / N / ?)	Length (days)
Large Main Liquid Storage	12'x92' (547,000 gallons + 1' freeboard)	Concrete	Good Condition		Y	120
Second Liquid Storage	12'x70' (316,500 gallons + 1' freeboard)	Concrete	Good Condition		Y	100

Air Quality

Are any of the following a concern at the facility itself, or to nearby neighbors? If so, describe the issues in terms of timing, extent, etc.

- **Dust:** No apparent problems

- **Gaseous Emissions:** No
- **Odor:** Normal.
- **Other Potential Resource Concerns:** No other problems are apparent.

Storage Facilities (Proposed)

Storage ID	Size/Volume of Storage Unit	Type of Liner	Condition and Thickness of Liner	Transfer ID	Meets 313 ¹ (Y / N / ?)	Length (days)
New Circular Concrete Tank	145 ft in diameter (1.2 million gallons + 1' freeboard)	Concrete	Concrete 5" floor and 8" thick walls		Y	180

Wells

Well ID	Depth	Water	Type of Construction	Condition	Test Results (Nitrate/Bacteria)
	Well				
1-Dairy	> 100'	Good	Traditional	Good	
2-Home	> 100'	Good	Traditional	Good	

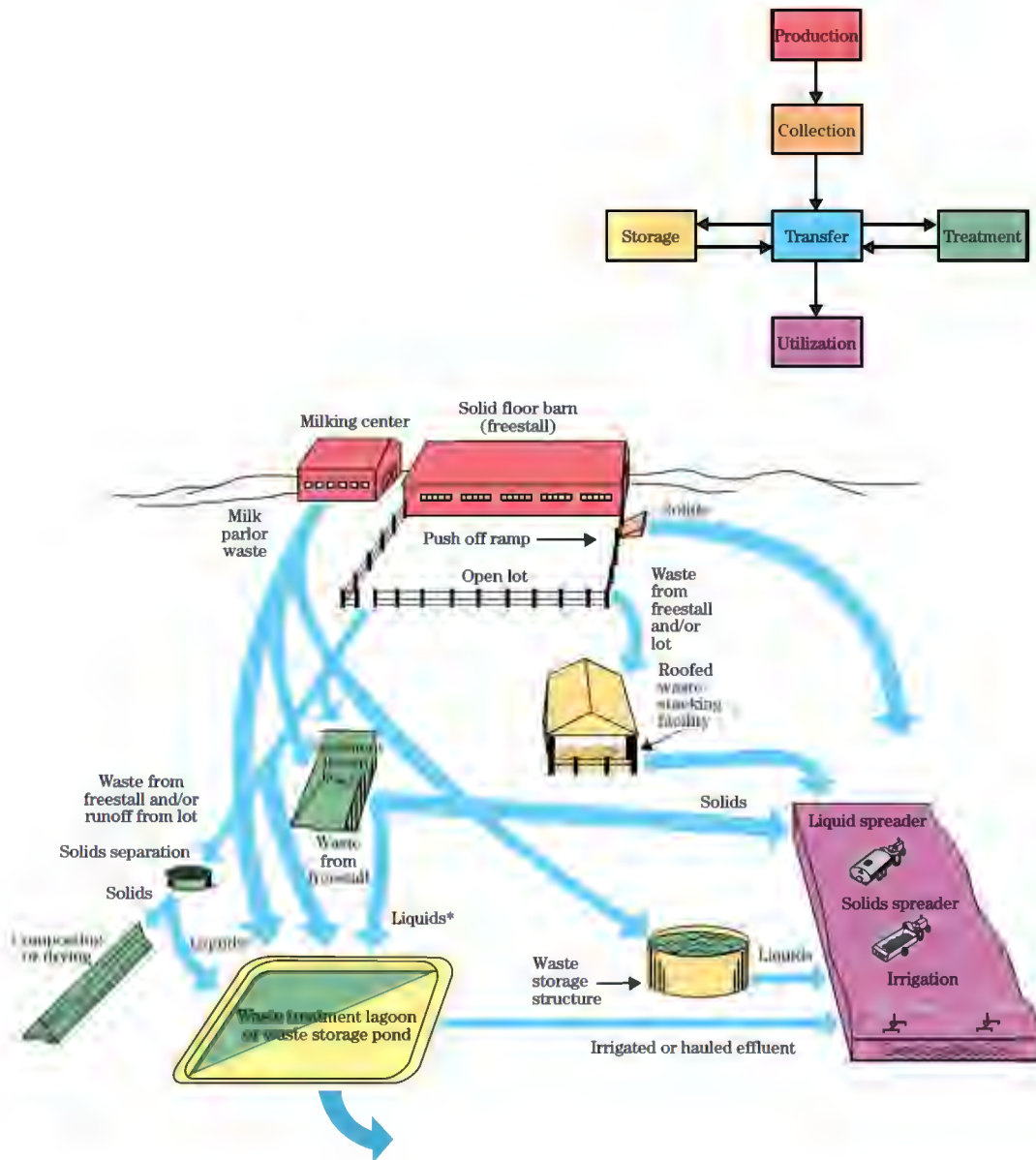
Document any observed risks such as proximity to contamination sources, surface runoff near well, well condition or unused wells that are not properly abandoned.

Air Quality

Are any of the following a concern at the facility itself, or to nearby neighbors? If so, describe the issues in terms of timing, extent, etc.

- **Dust:** No apparent problems
- **Gaseous Emissions:** No
- **Odor:** Normal.
- **Other Potential Resource Concerns:** No other problems are apparent.

The following flow diagram depicts the manure management options and waste handling process on a typical dairy operation. This particular farm operation may use some or all of the processes listed below.



Description of nearby Water Bodies

Surface water on the property, lead to UNT of the Little Gunpowder Falls and Thornton Branch, which are both tributaries to the Little Gunpowder Falls. **The production facility is located in a Tier 2 watershed.**

Farm Name	Name of nearest Waterbody	Distance to Waterbody	Watershed Name	12-digit Watershed number	Water Quality Status TMDL impairments (N, P, Bacteria, Sediment)
<i>My Lady's Manor</i>	<i>UNT to Little Gunpowder Falls & Thorton Branch</i>	<i>> 500 ft</i>	<i>Little Gunpowder Falls WS</i>	<i>021308040299</i>	<i>Nitrogen Phosphorus Sediment</i>

Sensitive Environmental Areas

Briefly describe any sensitive environmental areas on the farm including streams, wetlands, HEL land, hydric soils, 100 year floodplain, and distance to regulatory waters.

No sensitive areas were being impacted or diminished by farming activities at the time of the site visits. All required setbacks are outlined in this plan. The nearest body of water is >100 feet from the production facility. The production areas are outside of the 100 year floodplain.

Environmental Justice (EJ) Score

The EJ Score is an overall evaluation of an area's environment and existing environmental justice indicators; including pollution burden exposure, pollution burden environmental effects, sensitive populations, and socioeconomic factors. **This location's score is 63.17 percentile.**

The Resource Concern Identification Worksheet is in the Appendix of this document.

Manure Analysis and Records

Operators must keep records of the actual:

1. Quantity estimate of Manure removed from production and/or storage facility; and
2. Date of removal of Manure from production and/or storage facility.

Manure Analysis Sampling Procedures

Solid Manure (Dairy, Beef, Swine, Poultry)

Collect a composite sample by following one of the procedures listed below. A method for mixing a composite sample is to pile the manure and then shovel from the outside to the inside of the pile until well mixed. Fill a one-gallon plastic heavy-duty zip lock bag approximately one-half full with the composite sample, squeeze out excess air, close and seal. Store sample in freezer if not delivered to the laboratory immediately.

Procedure 1. Sampling while loading - *Recommended method for sampling from a stack or bedded pack.* Take at least ten samples while loading several spreader loads and combine to form one composite sample. Thoroughly mix the composite sample and take an approximately one pound sub sample using a one-gallon plastic bag. *Sampling directly from a stack or bedded pack is not recommended.*

Procedure 2. Sampling during spreading - Spread a tarp in field and catch the manure from one pass. Sample from several locations and create a composite sample. Thoroughly mix the composite sample together and take a one-pound sub sample using a one-gallon plastic bag.

Procedure 3. Sampling daily haul - Place a five-gallon bucket under the barn cleaner 4-5 times while loading a spreader. Thoroughly mix the composite sample together and take a one-pound sub sample using a one-gallon plastic bag. Repeat sampling 2-3 times over a period of time and test separately to determine variability.

Procedure 4. Sampling poultry in-house - Collect 8-10 samples from throughout the house to the depth the litter will be removed. Samples near feeders and waterers may not be indicative of the entire house and sub samples taken near here should be proportionate to their space occupied in the whole house. Mix the samples well in a five-gallon pail and take a one-pound sub sample, place it in a one-gallon zip lock bag.

Procedure 5. Sampling stockpiled litter - Take ten sub samples from different locations around the pile at least 18 inches below the surface. Mix in a five-gallon pail and place a one-pound composite sample in a gallon zip lock bag.

Sample Identification and Delivery

Identify the sample container with information regarding the farm, animal species and date. This information should also be included on the sample information sheet along with application method, which is important in determining first year availability of nitrogen.

Keep all manure samples frozen until shipped or delivered to a laboratory. Ship early in the week (Mon.-Wed.) and avoid holidays and weekends.

Nutrient Application Equipment Calibration:

Commercial Fertilizer Application Equipment Calibration:

The nitrogen applicator, the commercial broadcast spreaders, and corn planter will be set per the manufacturers recommendations then filled with a known amount and checked over known acreage. Adjustments will be made to achieve the planned rates.

Manure Spreader Calibration

There are several methods that can be used to calibrate the application rate of a manure spreader. The two best methods are the load-area method and the plastic sheet method. It is desirable to repeat the calibration procedure 2 to 3 times and average the results to establish a more accurate calibration.

Before calibrating a manure spreader, the spreader settings such as splash plates should be adjusted so that the spread is uniform. Most spreaders tend to deposit more manure near the spreader than at the edge of the spread pattern. Overlapping can make the overall application more uniform. Calibrating of application rates when overlapping requires measuring the width of two spreads and dividing by two to get the effective spread width.

Calibration should take place annually or whenever manure is being applied from a different source or consistency.

Load-Area Method

The load-area method is the most accurate and can be used for most types of manure handling. This method consists of determining the amount (volume or weight) of manure in a spreader and the total area over which it is applied. The most accurate method to determine the amount of manure in a spreader is to weigh the spreader when it is full of manure and again when it is empty (portable pad scales work well for this). The difference is the quantity of manure applied over the area covered. Spreader capacities listed by the manufacturers can be used to determine the amount of manure in the spreader. However care must be taken when using manufactures spreader capacities. Heaped loads, loading methods and manure type may vary considerably from what is listed by manufacturers of box and side delivery manure spreaders. Spreader capacities for liquid tankers are accurate provided the tanker is filled to the manufactures recommended levels, and no foam is present in the tank.

The area of spread is determined from measuring the length and width of the spread pattern. Measuring can be done with a measuring wheel, measuring tape or by pacing.

The application rate is calculated using the following formula:

Spreader capacity (tons or gallons) X 43560 sq. ft/acre = Application Rate tons or Gallons/Acre

Distance traveled X Spreading width

Plastic Sheet Method

The plastic sheet method can only be used with solid or semi-solid manure. This method of calibrating spreader application rates involves 1) cutting a plastic sheet to the specified dimensions (56 inches X 56 inches), 2) weighing the clean plastic sheet, 3) laying out the plastic sheet on the ground and driving the manure spreader (applying manure at a recorded speed and spreader setting) over the sheet, 4)

weighing the plastic sheet with the manure on it, and 4) determine the net weight of the manure on the sheet (weight of manure and sheet - weight of the clean sheet), and 5) the net pounds of manure equals tons per acre applied.

When calibrating manure spreaders, all details regarding tractor speed and manure spreader settings and date(s) of each calibration should be recorded with manure application information, and directly on the equipment. Mark equipment to ensure a known application rate is applied each time the referenced tractor speed and spreader settings are used. Manure spreader settings can include such things as: fast and slow settings on some box spreaders, gate position on side delivery spreaders and splash plate position and fill levels on liquid tankers.

Animal Mortality Disposal

Animals die because of disease, injury, or other causes in any confined livestock operation. The mortality rate is generally highest for newborn animals because of their vulnerability.

Catastrophic mortality can occur if an epidemic infects and destroys a large portion of the herd or flock in a short time, or if a natural disaster, such as a flood or excessive heat strikes. There are also incidences when an entire herd or flock must be destroyed to protect human health or other farms in the area.

Methods for managing mortality include:

1. Rendering
2. Composting
3. Incineration*

*NOTE: Incineration may only be used with proper equipment and permits must be obtained by the producer.

4. Sanitary landfills
5. Burial*
6. Disposal pits*

*NOTE: Burial and Disposal pits should only be considered for catastrophic mortality if all other methods are not possible. The operator will follow local and state guidance if it is determined that burial is an acceptable means of disposal.

Typical Mortality Management

List the type of normal disposal method used on the operation.

This farm operation will use composting for normal mortality and composting for catastrophic mortality. The dairy is composting in a static pile next to open crop fields.

Composting

Composting is the controlled aerobic biological decomposition of organic matter into a stable, humus-like product, called compost. Decomposition is enhanced and accelerated by mixing organic waste with other ingredients in a manner that optimizes microbial growth. Composting mortality can be likened to aboveground burial in a biomass filter where most of the pathogens are killed by high temperatures.

As the microbial population consumes the most readily degradable material and grows in numbers, the temperature of the compost pile begins to rise. Efficient composting requires that the initial compost mix have:

A balance source of energy (carbon) and nutrients (primarily nitrogen), typically with a carbon-to-nitrogen (C:N) ratio of 15:1 to 35:1.

Sufficient moisture, typically 40% to 60%.

Sufficient oxygen for an aerobic environment.

A pH in the range of 6 to 8.

For proper composting, correct proportions of carbon, nitrogen, moisture, and oxygen need to be present in the mix. Common carbon sources are sawdust or wheat straw. It is desirable because of its bulking ability, which allows entry of oxygen. Other carbon sources that could be used are peanut hulls,

cottonseed hulls, sawdust, leaves, etc. If lab testing of the litter or experience indicates that the carbon/nitrogen ratio is adequate (20 - 35:1 ratio), then litter alone should be sufficient for composting mortality as long as desirable bulking ability is achieved and moisture is properly managed. Moisture management is critical and must be maintained between 40 and 55 percent (40% -does not leave your hand moist when squeezed, 55% - if more than two drops drip from your hand the material is too moist).

Compost process

The first layer is one foot of pen-pack.

A 4-6 inch layer of carbon amendment (sawdust is preferred) is added according to the recipe

A layer of carcasses is added. Carcasses shall be laid side-by-side and shall not be stacked on top of one another. Carcasses placed directly on dirt or concrete floors, or against bin walls will not compost properly.

Water is added (uniform spray).

Carcasses are covered with a 6-inch layer of manure or finished compost.

Next layer of carcasses begun with carbon amendment and above steps repeated.

When composter is full, cap the 6-inch layer with four additional inches.

Maintain the moisture content at 40 to 55 percent during the composting process (40% - does not leave your hand moist when squeezed, 55% will allow about one drop of water to be released when squeezed, > 55% - if more than two drops drip from your hand the material is too moist, therefore add sawdust or dry carbon source).

Temperature is the primary indicator to determine if the composting process is working properly. A minimum temperature of 130° F shall be reached during the composting process. A temperature of 140° F is optimum; however, temperatures may range up to 160° F. If the minimum temperature is not reached, the resulting compost shall be incorporated immediately after land application or recomposted by turning and adding moisture as needed. Compost managed at the required temperatures will favor destruction of any pathogens and weed seeds.

Good carcass compost should heat up to the 140° range within a few days. Failure of the compost material to heat up properly normally results from two causes. First, the nitrogen source is inadequate (example wet or leached litter). A pound of commercial fertilizer spread over a carcass layer will usually solve this problem. Secondly, the compost fails when too much water has been added and the compost pile becomes anaerobic. An anaerobic compost bin is characterized by temperatures less than 120°, offensive odors, and black oozing compound flowing from the bottom of the compost bin. In this case a drier bulking / carbon amendment should be added to dry the mix. Then, the material should be remixed and composted.

It is possible, though unlikely, for the temperature to rise above the normal range and create conditions suitable for spontaneous combustion. If temperature rises above 170° F, the material should be removed from the bin and cooled, spread on the ground to a depth not to exceed six inches in an area away from buildings. Water should be added only if flames occur. If temperature falls significantly during the composting period and odors develop, or if material does not reach operating temperature, investigate piles for moisture content, porosity, and thoroughness of mixing.

Inspect compost structure at least twice annually when the structure is empty. Replace any broken or badly worn parts or hardware. Patch concrete floors and curbs as necessary to assure water tightness. Examine roof structures for structural integrity and leaks. Inspections shall be documented on the attached worksheet.

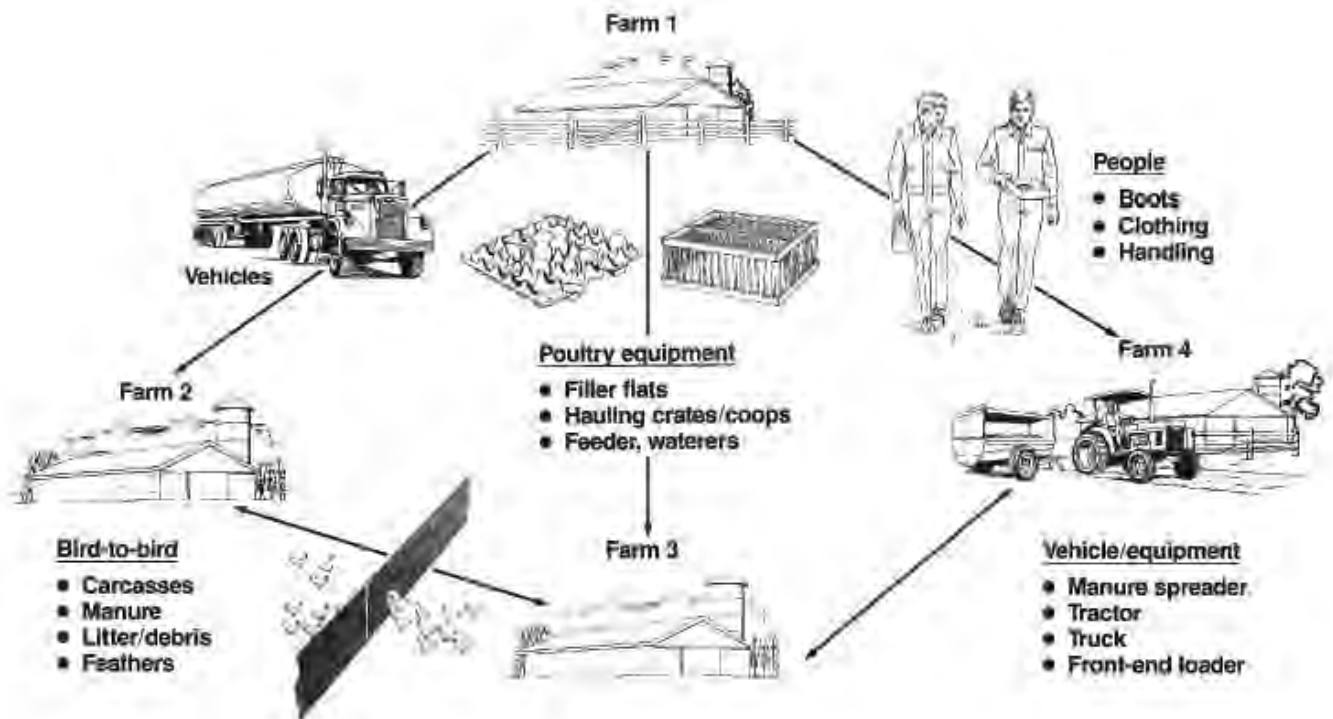
The primary and secondary composters and the litter storage area should be protected from outside sources of water such as rain or surface runoff.

In order to assure desired operation of the composting facility, daily records should be kept during the first several compost batches. This can be helpful in identifying certain problems that may occur.

Biosecurity

An outbreak of animal disease could not only harm your livestock, it could affect other nearby animals and quickly spread through your area.

How Diseases Spread (Example – Poultry Operation)



Steps to Take to Avoid Disease Spread

To reduce the risk of introducing disease entering into an animal feeding operation, maintain a biosecurity barrier (physical barrier, personal hygiene, and equipment sanitation) between wildlife, animals, animal containment areas, and other commercial facilities. Some examples of good biosecurity practices include:

1. Permit only essential workers and vehicles on the premises.
2. Give Germs the Boot
 1. Keep a pair of shoes or boots to wear only around your animals.
 2. Clean and disinfect your shoes often.
 3. Always ask visitors and employees to clean their boots and shoes.
3. Don't Haul Home Disease
 1. Always clean and disinfect vehicles used for moving animals.
 2. Limit traffic of incoming people, products and vehicles that could bring in a disease.
 3. Clean and disinfect all equipment that comes in contact with your animals.
4. Keep Your Farm Secure
 1. Restrict access to your property and animals.
 2. Keep doors and gates locked.
 3. Have tracking records on animals.
5. Give Germs Space – Newly acquired animals should be isolated for at least two weeks to ensure you don't introduce disease to your main herd or flock.
6. Look for Signs
 1. Unusual animal health symptoms or behavior
 2. Sudden, unexplained death loss in the herd or flock
 3. Severe illness affecting a high percentage of animals
 4. Blisters around an animal's mouth, nose, teats or hooves
 5. Staggering, falling or central nervous system disorders that prevent animals from rising or walking normally.
 6. Large number of dead insects, rodents or wildlife
7. Don't Wait – Call in Signs of Disease Immediately

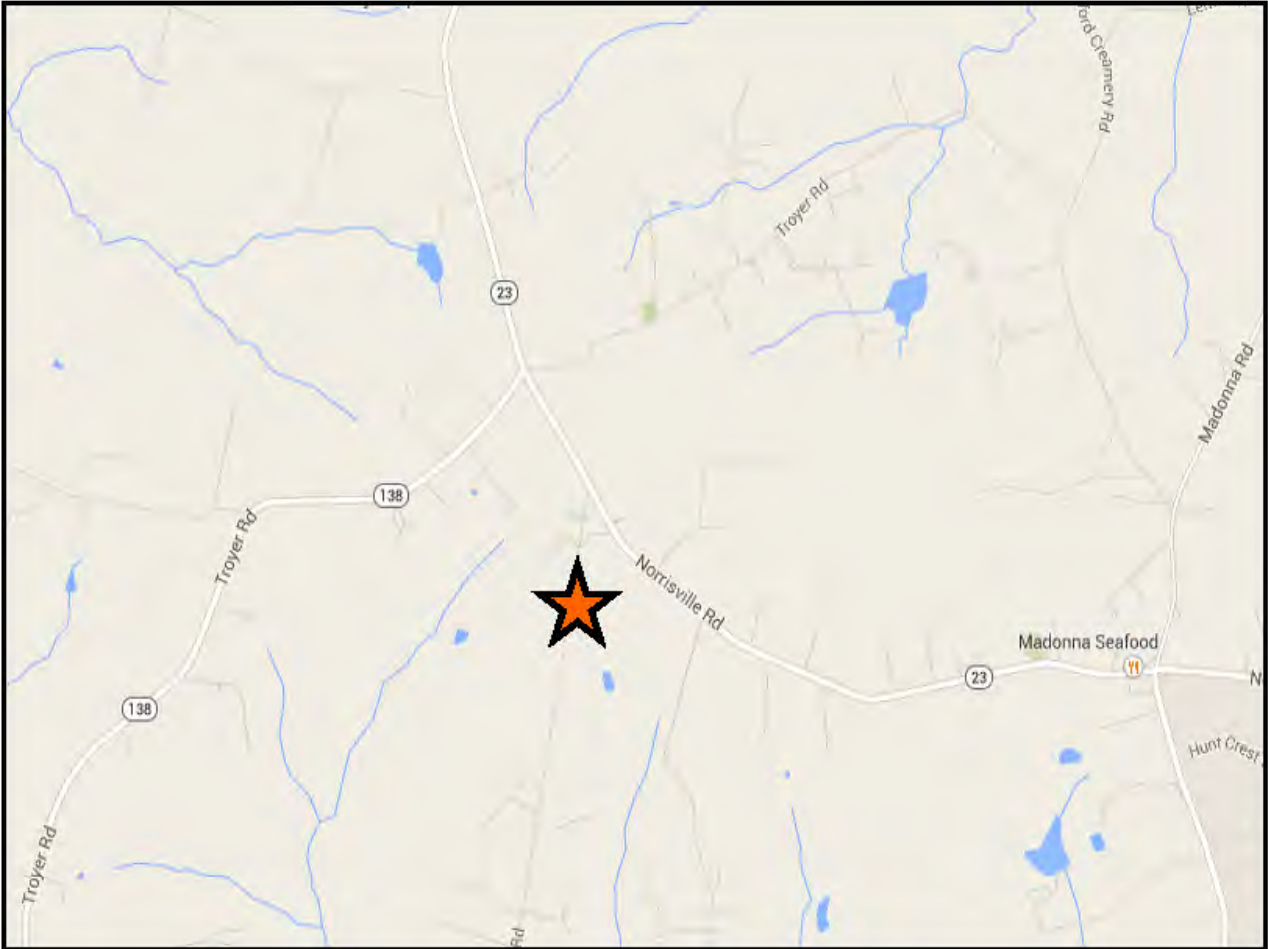
Do not self-diagnose. Seek veterinary services, as early detection is your best protection. If you have animals with signs of suspect disease, call your local veterinarian, extension agent or the state veterinarian. Rapid response and investigation are the only ways to control and eliminate disease and stop large numbers of casualties or damage to our economic system.

**CONSERVATION ELEMENT
FARMSTEAD (PRODUCTION AREA) &
CROPLAND RECEIVING MANURE:**

1. WATER CONVEYANCE MAP
2. PLAN MAPS
3. CONSERVATION PLANS includes soils descriptions AND SOIL LOSS CALCS

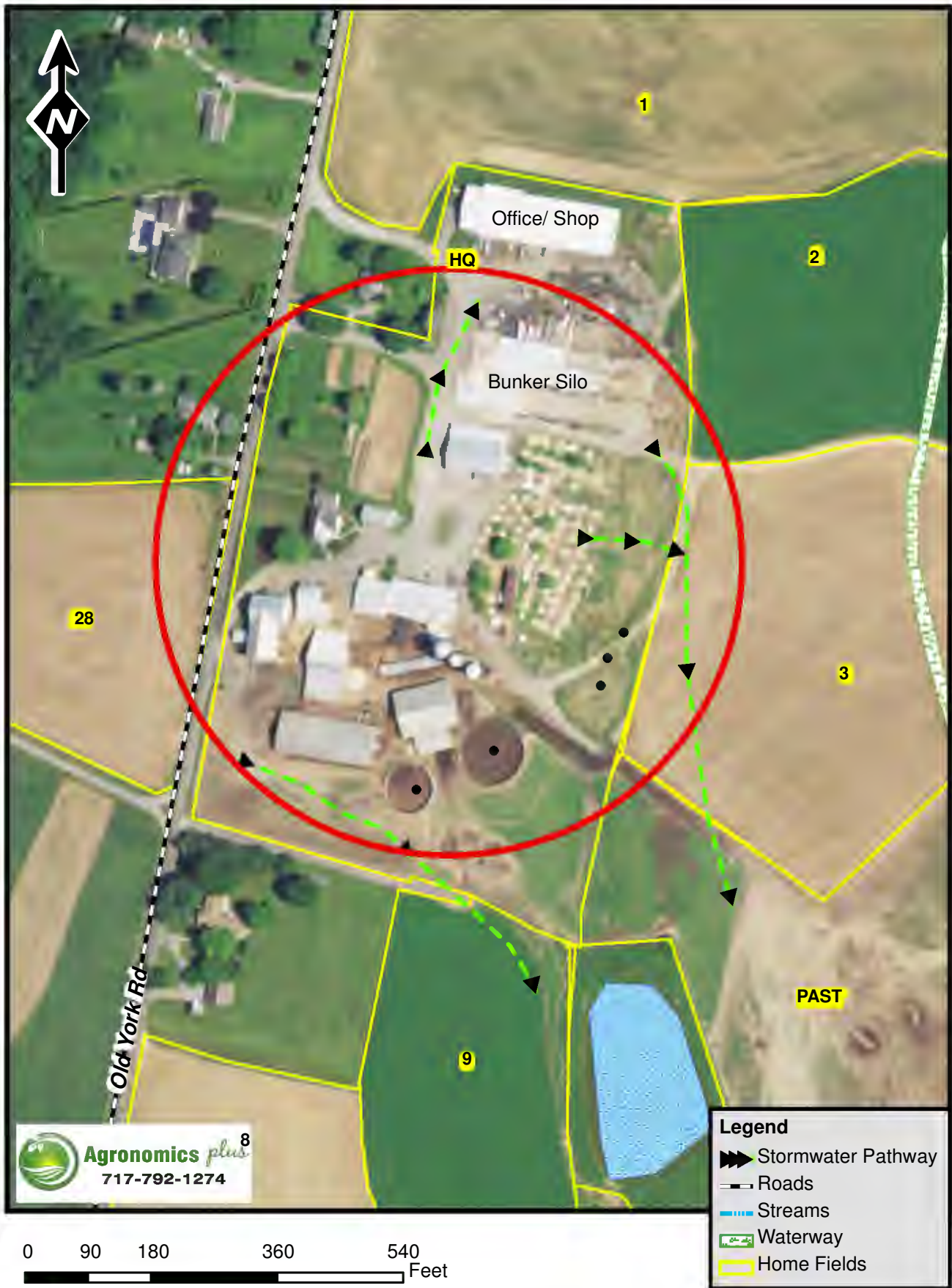
LOCATION MAP

My Lady's Manor
4127 Old York Rod
Monkton, MD 21111



My Lady's Manor

Dairy Farm - Surface Water Direction of Flow



Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
 Location: Tract# 59
 Harford County, Maryland
 Approximate Acres: 186.88
 Land Units: Tract 59, Fields 1,11,2,3,4,5,6,7,8,9

Assisted By: JACK MCCULLOUGH
 HARFORD COUNTY SERVICE CENTER



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Prepared with assistance from USDA-Natural Resources Conservation Service



Conservation Practice Points	Waste Transfer (634)	Comprehensive Nutrient Management Plan - Applied (103)	Underground Outlet (620)
Waste Storage Facility (313)	Water Well (642)	Conservation Practice Polygons	Riparian Forest Buffer (391)
Roof Runoff Structure (558)	Stream Crossing (578)	Conservation Practice Lines	Heavy Use Area Protection (561)
Structure for Water Control (587)	Comprehensive Nutrient Management Plan - Written (102)	Fence (382)	Practice Schedule PLUs
Watering Facility (614)	Livestock Pipeline (516)	Access Road (560)	
	Trails and Walkways (575)		





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 59 is their home farm where the milk cows and waste storage structures are located. Additionally, the crop fields on this tract receive manure for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Associated Ag Land

Tract: 59

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
9	1608.00 Ft	02	2024	1608.00 Ft	05/09/2015
Total:	1608.00 Ft	--	--	1608.00 Ft	--

Crop

Tract: 59

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
3	6.3 Ac	12	2025	--	--
Total:	83.7 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	11	2025	--	--
2	12.2 Ac	11	2025	--	--
3	6.3 Ac	11	2025	--	--
4	14.0 Ac	11	2025	--	--
5	19.3 Ac	11	2025	--	--
6	16.2 Ac	11	2025	--	--
Total:	83.7 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	12	2024	--	--
2	12.2 Ac	12	2024	--	--
3	6.3 Ac	12	2024	--	--
4	14.0 Ac	12	2024	--	--
5	19.3 Ac	12	2024	--	--
6	16.2 Ac	12	2024	--	--
Total:	83.7 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Farmstead

Tract: 59

Access Road (560)

Access Road - Construct a fixed route for vehicular travel to allow management of timber, livestock, agriculture, wildlife habitat, and other conservation enterprises. Control, divert and direct water flow off the road; install surface treatment if required by traffic needs.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	150.00 Ft	08	2025	--	--
Total:	150.00 Ft	--	--	--	--

Comprehensive Nutrient Management Plan (102)

Utilize a certified Technical Service Provider (TSP) to develop a Comprehensive Nutrient Management Plan that addresses the handling, storage, and application of animal waste in an environmentally safe manner. The CNMP CPA 102 includes the inventory of natural resources at the farmstead and land treatment areas. Both farmstead and land treatment areas are planned to meet planning criteria for water quality, air quality and soil erosion by wind and water. Risk assessment tools are completed to advise on conservation alternatives. Client decisions are recorded. CPA will include primary practices that treat a resource concern and may include supporting practices. Includes a combination of conservation practices and management activities and the planned schedule of implementation.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	12	2024	--	--
Total:	1.00 No	--	--	--	--

Comprehensive Nutrient Management Plan - Applied (103)

All planned practices contained in the written Comprehensive Nutrient Management Plan are applied according to NRCS standards and specifications.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	12	2030	--	--
Total:	1.00 No	--	--	--	--

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	2397.00 Ft	02	2024	2397.00 Ft	07/09/2000
11	314.00 Ft	04	2024	314.00 Ft	04/15/2024
11	212.00 Ft	05	2024	212.00 Ft	05/15/2024
11	75.00 Ft	05	2024	75.00 Ft	05/15/2024
11	52.00 Ft	05	2024	52.00 Ft	05/15/2024
11	385.00 Ft	06	2026	--	--
11	140.00 Ft	10	2026	--	--
11	140.00 Ft	10	2026	--	--
Total:	3715.00 Ft	--	--	3050.00 Ft	--

Heavy Use Area Protection (561)

Stabilization - Stabilize or protect an intensively used area.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1006.00 SqFt	04	2024	1006.00 SqFt	04/15/2024
11	986.00 SqFt	05	2024	986.00 SqFt	05/15/2024
11	108.00 SqFt	05	2024	180.00 SqFt	05/15/2024
Total:	2100.00 SqFt	--	--	2172.00 SqFt	--

Livestock Pipeline (516)

Livestock Pipeline - Install a pipeline to convey water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	691.00 Ft	11	2002	691.00 Ft	11/01/2002
Total:	691.00 Ft	--	--	691.00 Ft	--

Roof Runoff Structure (558)

Roof Gutter - Install a structure that will collect, control, and convey precipitation runoff from a roof.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	02	2024	--	--
11	1.00 No	02	2024	1.00 No	05/09/2000
11	1.00 No	02	2024	1.00 No	08/09/2000
11	1.00 No	02	2024	1.00 No	08/09/2000
11	1.00 No	02	2024	1.00 No	11/01/2000
Total:	5.00 No	--	--	4.00 No	--

Structure for Water Control (587)

Water Control - Construct or install a structure in a water management system that conveys water, controls the direction of flow, rate of flow, maintains a desired water surface elevation, or measures water.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	01	2030	--	--
Total:	1.00 No	--	--	--	--

Trails and Walkways (575)

Trail or Walkway - Construct a trail with a vegetated or earthen surface or a walkway with an artificial surface to facilitate the movement of animals, people, or off-road vehicles.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	140.00 Ft	10	2026	--	--
Total:	140.00 Ft	--	--	--	--

Underground Outlet (620)

Underground Outlet - Install a conduit or system of conduits beneath the surface of the ground to convey surface water to a suitable outlet.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	106.00 Ft	10	2026	110.00 Ft	11/09/2018
Total:	106.00 Ft	--	--	110.00 Ft	--

Waste Storage Facility (313)

Waste Storage Facility - Make an agricultural waste storage impoundment or containment by constructing an embankment, excavating a pit or dugout, or by fabricating a structure.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	01	2001	1.00 No	06/01/2001
11	1.00 No	01	2001	1.00 No	06/01/2000
11	1.00 No	06	2026	--	--
Total:	3.00 No	--	--	2.00 No	--

Waste Transfer (634)

Waste Transfer - Install a system using structures, pipes or conduits to convey wastes or waste byproducts from the agricultural production site to storage/treatment or application site.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	06	2010	1.00 No	08/09/2010
11	1.00 No	04	2024	1.00 No	05/15/2024
11	1.00 No	05	2024	1.00 No	05/15/2024
Total:	3.00 No	--	--	3.00 No	--

Water Well (642)

Well - Install a water well into an aquifer for water supply.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	06	1985	1.00 No	11/09/1985
11	1.00 No	06	1994	1.00 No	04/09/1994
11	1.00 No	06	2004	1.00 No	03/09/2004
Total:	3.00 No	--	--	3.00 No	--

Forest

Tract: 59

Forest Stand Improvement (666)

Forest Stand Improvement - Treat species composition, stand structure or density by cutting or killing selected trees or understory vegetation to achieve desired forest conditions or obtain ecosystem services.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	46.5 Ac	01	2032	--	--
Total:	46.5 Ac	--	--	--	--

Pasture

Tract: 59

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	2533.00 Ft	02	2024	2533.00 Ft	05/09/2015
7	4628.00 Ft	09	2025	--	--
Total:	7161.00 Ft	--	--	2533.00 Ft	--

Heavy Use Area Protection (561)

Stabilization - Stabilize or protect an intensively used area.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	253.00 SqFt	08	2025	--	--
Total:	253.00 SqFt	--	--	--	--

Livestock Pipeline (516)

Livestock Pipeline - Install a pipeline to convey water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	867.00 Ft	08	2025	--	--
Total:	867.00 Ft	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	28.0 Ac	05	2025	--	--
Total:	28.0 Ac	--	--	--	--

Pasture and Hay Planting (512)

Forage Planting - Establish adapted and/or compatible species, varieties, or cultivars of herbaceous species suitable for pasture, hay or biomass production to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	28.0 Ac	09	2029	--	--
Total:	28.0 Ac	--	--	--	--

Riparian Forest Buffer (391)

Riparian Forest Buffer - Establish, restore or enhance woody plant communities located adjacent to watercourses or water bodies.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	2.5 Ac	09	2025	--	--
7	2.6 Ac	09	2025	--	--
7	0.9 Ac	09	2025	--	--
Total:	6.0 Ac	--	--	--	--

Stream Crossing (578)

Access to Land - Provide a stabilized area or structure constructed across a stream to provide access to another land unit for livestock grazing, cropping, or haying.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	1.00 No	06	2000	1.00 No	11/09/2002
Total:	1.00 No	--	--	1.00 No	--

Watering Facility (614)

Watering Facility - Install a watering facility to provide drinking water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	1.00 No	11	2002	1.00 No	11/09/2002
7	1.00 No	08	2025	--	--
Total:	2.00 No	--	--	1.00 No	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Soils Information

Soils Data & Descriptions

See Soils Info Section (on the following pages)

RUSLE2 Calculations

Predicted Soil Loss (Erosion) – Planned System

Soils Information

Soils Data & Descriptions

Harford County, Maryland

Map Unit: BaA—Baile silt loam, 0 to 3 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: BaB—Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2—Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum

weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: CcC2—Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: Cu—Codorus silt loam

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: EhB2—Elioak silt loam, 3 to 8 percent slopes, moderately eroded

Component: Elioak (85%)

The Elioak component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, interfluves, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: EhC2—Elioak silt loam, 8 to 15 percent slopes, moderately eroded

Component: Elioak (85%)

The Elioak component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: GcB2—Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC—Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GcC3—Glenelg loam, 8 to 15 percent slopes, severely eroded

Component: Glenelg, severely eroded (100%)

The Glenelg, severely eroded component makes up 100 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the

F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit: GcD—Glenelg loam, 15 to 25 percent slopes

Component: Glenelg (80%)

The Glenelg component makes up 80 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Manor (10%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: GnA—Glenville silt loam, somewhat poorly drained, 0 to 3 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Component: Glenelg (5%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: GnB—Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbB—Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC—Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbD—Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Map Unit: McD—Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Bloctown (10%)

Generated brief soil descriptions are created for major soil components. The Bloctown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MfE—Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit: MsB2—Montalto silt loam, 3 to 8 percent slopes, moderately eroded

Component: Montalto (85%)

The Montalto component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, piedmonts. The parent material consists of clayey residuum weathered from gabbro. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Legore (10%)

Generated brief soil descriptions are created for major soil components. The Legore soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas soil is a minor component.

Map Unit: NsC—Neshaminy and Montalto very stony silt loams 0 to 15 percent slopes

Component: Neshaminy (51%)

The Neshaminy component makes up 51 percent of the map unit. Slopes are 0 to 15 percent. This component is on hills, piedmonts. The parent material consists of silty residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 99 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Montalto (49%)

The Montalto component makes up 49 percent of the map unit. Slopes are 0 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of clayey residuum weathered from diabase and/or clayey residuum weathered from gabbro. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Implementation Schedule for the Farm Operation

This element addresses the need for and implementation of appropriate conservation practices to meet the quality criteria for soil erosion, air and water quality.

IMPORTANT! The table below is your Conservation Practice and Facility Implementation Schedule. The practices listed in this schedule must be implemented no later than the indicated dates.

Practice and Facility Implementation Schedule

Complete the table below with those practices that are required to address identified resource concerns. If there are no identified resource concerns which need to be addressed, check the box indicating that there are no practices are recommended.

Item Number	Best Management Practice	Reason for Need	BMP Location	Approximate Amount	Implementation Month/Year
1	Waste Storage Facility (313)	Handle manure generated in excess of the existing liquid storages	NRCS fld 11	1 no.	12/2025
2	Roof Runoff Structure (558 – above the cow/heifer lot)	Spouting and downspouts on buildings where roof water is outletting onto animal concentration areas.	NRCS fld 11	1 no.	12/2025
3	Fencing (382)	Exclusion Streambank fencing	NRCS Fld 11	680 ft	10/2026
4	Critical Area Planting (342)	Seeding and vegetation establishment on sensitive areas next to water courses and stream.	NRCS fld 7	1.0 ac	6/2026
5	Trail & Walkways (575)	Armoring of cattle travel lanes	NRCS fld 11	140 ft	10/2026

The list of BMPs contained in this *Schedule of Implementation* will address ALL of the resource concerns at the Production Area and Crop/Pasture land which receive manure.

All resource concerns have been addressed. ALL BMPs associated with the production area and associated facilities, to address these concerns, have been completed and no additional best management practices are recommended or required at this time. *(this item will be checked only after the entire Schedule of Implementation has been implemented and no other resource concerns have been identified).*

Schedule of Implementation Agreement

The schedule of conservation practices presented here has been reviewed by the person responsible for compliance with the requirements of the agricultural farm operation.

As the owner/operator, I certify that as the decision-maker, I have been involved in the planning process and agree that the items/practices listed in the table above are needed on my farm operation. I understand that I am responsible for implementing these practices according to the schedule above. Should I not be able to implement any of the above items according to the schedule, I will contact NRCS or my Technical Service Provider and have the schedule revised.

Signature: Robert E. Smith

Date: 3/15/05

Name (print): Robert E. Smith

Operation and Maintenance

Critical Area Planting (CAP) and Filter Strips

- ~ Vegetation must be maintained in vigorous condition.
- ~ In order to keep the optimum sediment retention and other water quality benefits, mow 3-4 times annually to a height 3 to 5 inches.
- ~ Control undesirable plants by pulling, mowing, or spraying with selective herbicide. Control noxious weeds as required by state law.
- ~ Maintain sheet flow entering the filter strip. Repair all rills and small channels within this vegetative area.
- ~ Sediment that accumulates along the upper part and within the filter strip area shall be removed before it accumulates to a height that diverts runoff water away from the vegetative filter area. The area disturbed by this removal shall be re-graded and reseeded.

Fence

- ~ Periodically check fences for loose wire, cracked posts, downed tree limbs or other obstacles on fence. Check bracing at corners, including staples.

Heavy Use Area (HUA)

- ~ Maintain a stable, non-eroding surface for areas frequently used by vehicles or animals.
- ~ Maintain and repair adjacent companion conservation practices that handle sediment, nutrients, particulate matter, and organic matter.
- ~ After each and every manure handling or bird removal event that leaves behind, manure, litter, and or debris on the HUA surface; it must be cleaned-up. In all cases, material left behind on the HUA must be swept-up or vacuumed.
- ~ Repair any deteriorating areas.
- ~ Maintain flow into filter areas by removing accumulated solids, reconstructing waterbars, etc.

Underground Outlet

- ~ Keep inlets, trash guards, and collection boxes and structures clean and free of materials that can reduce the flow;
- ~ Repairing leaks and broken or crushed lines to insure proper functioning of the conduit;
- ~ Checking outlet conduit and animal guards to ensure proper functioning of the conduit;
- ~ Keeping adequate backfill over the conduit;
- ~ Repairing any eroded areas at the pipe outlet.

Waste Storage Facility - 313

- ~ Check walls and floors often - minimum of 2 times a year when facility is empty - for cracks and/or separations. Where concrete is used make inspections and repair as needed.
- ~ All building materials shall be kept in good working condition free from defect.
- ~ Check backfill areas around structure (concrete, steel, timber, etc) often for excessive settlement. Determine if the settlement is caused by backfill consolidation, piping, or failure of the structure walls or floor. Necessary repairs must be made.
- ~ Outlets of foundations and sub-drains should be checked frequently and kept open. The outflow from these drains should be checked when the facility is being used to determine if there is leakage from the storage structure into these drains.
- ~ Trusses/roof supports shall be examined during snowfall events.
- ~ Roof materials shall be replaced as wear/leakage occurs. Metal roofing may require periodic painting.

Nutrient Management

This element addresses the Nutrient Management component of the CNMP. The nutrient management plan is developed by a Maryland Department of Agriculture certified nutrient management consultant.

Soil Sampling and Testing

Maryland Department of Agriculture regulations require up-to-date soil analyses be included in the Nutrient Management Plan. To fulfill this requirement you must follow these guidelines:

1. Soil test(s) are required to be taken every 3 years or sooner for each management unit
2. It is recommended that soil sampling be conducted consistently at the same time of the year
3. Soil sampling depth for P and K shall be 8 inches; pH testing sampling depth for no-till is only 4 inches

Soil testing shall include analysis for any nutrients for which specific information is needed to develop the plan. The minimum analysis for Maryland is to include: pH, organic matter, phosphorus, potassium, calcium, magnesium, and CEC.

Manure and Wastewater Testing/Analysis

Maryland Department of the Environment and the Environmental Protection Agency require an analysis of manure generated on your operation be obtained to meet conditions in a General Discharge Permit for Animal Feeding Operations under CAFO regulations. If you land-apply manure, it is a required component of your NMP according to MDA regulations. To fulfill this requirement you may do one of the following:

1. collect a sample of manure and obtain an analysis, OR
2. if exported, obtain a copy of the manure analysis from one of the farmers who will be receiving the manure from your operation.

Manure should be analyzed on an annual basis from each storage structure for: % Solids or % Moisture, Total N, Organic N, NH₄ or NH₃, P₂O₅, K₂O, and pH. These analyses are part of the recordkeeping requirement.

The Nutrient Management Plan (under separate cover), looks at all generated nutrients on the farm. A Summary of Recommendations reflects the nutrient applications to cropland and pasture.

Manure Allocation Balance

Type of Manure	Utilized in the NM Plan	Amount of Manure Produced and Captured (annually)	Excess/Deficit (-)
<i>Liquid Dairy Manure</i>	<i>2,541,299 gallons</i>	<i>2,541,299 gallons</i>	<i>0</i>
<i>Penpack Dairy Manure</i>	<i>1,154 tons</i>	<i>1,154 tons</i>	<i>0</i>

**NUTRIENT
MANAGEMENT
PLAN**

NUTRIENT MANAGEMENT PLAN

developed by:

Agronomics Plus

February 10, 2025

2025

Harford and Baltimore Counties

prepared for:

**My Lady's Manor Farm
4030 Houcks Road
Monkton, MD 21111-1827**

Plan Type: NMP – Dairy

Plan Period: February 10 through December 31, 2025

The following recommendations, contained in the **SUMMARY SECTION** of this plan, should be followed and adhered to based on fertilizer blend availability. Alternative crop scenarios have been listed in the Field Specific Information Section of this plan; they include nutrient recommendations at the maximum nutrient tolerances (withstanding certain exceptions) handed down by the University based on the soil test results for the prescribed crop.



Agronomics plus

717-792-1274

agricultural, environmental & technical consulting

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&
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including the commercial fertilizer UM maximum nutrient
recommendation allowances for those fields not receiving manure

SECTION 5

Summary
Farm Maps, Soil Test Lab Sheet, and Manure/Fertilizer Recommendations

Farm Plan Identification

Property ID	Acct ID Acres	Farm Name	Tract #	Acres	County	Watershed
██████████ ██████████ ██████████ ██████████ ██████████	145.47 12.08 2.13 2.15 2.27	Home	59	115.2	Harford	0023
██████████ ██████████	28.0 20.5	Axelsson	4355	14.3	Baltimore	0214
██████████	14.17	Breidenbaugh Court	11024	9.2	Harford	0023
██████████ ██████████	14.20 36.93	Bunting	2256	26.9	Baltimore	0214
██████████ ██████████	11.24 11.25	Bures (Fred's fld26) (see home map)	11025	5	Harford	0023
██████████	92.83	Clifford	1175	64.5	Baltimore	0217
██████████	78.77	Grimmel	55, 12065	62.5	Harford	0023
██████████	120.51	Hanna	66	98.2	Harford	0023
██████████	78.22	Hanlon (Bunting)	2256	30.9	Baltimore	0214
██████████ ██████████ ██████████	50.0 21.76 126.96	Ives	72	91.7	Harford	0023
██████████	20.74	Kirby	2145	11.3	Baltimore	0214
██████████	82.7	Perdue	64, only part of 65,	48.2	Harford	0023
██████████	18.2	Pierce	3390	14.5	Baltimore	0214
██████████ ██████████ ██████████	10.0 89.13 172.0	Pocock	11808, 10019	170	Harford	0023

██████████ ██████████ ██████████ ██████████ ██████████	0.17 2.08 4.31 73.39 28.5	Riepe	1218	50.8	Baltimore	0214
██████████ ██████████	3.43 7.75	Sterrett	10285	4.2	Harford	0023
██████████ ██████████	31.8 61.25	Hammerstein	11159, portion of 12065, 12066	36	Harford	0023
██████████ ██████████ ██████████	162 38.07 10	Voss	11809	18.7	Harford/ Baltimore	0023
██████████	12.30	Wagenfuehr	11764, 11765, 11766, 11767	10.7	Harford	0022
██████████ ██████████ ██████████ ██████████ ██████████	110.17 43.63 39.85 5.52 21.15	Wilson	946, 949	160.4	Baltimore	0217

TOTAL ACRES UNDER PLAN 1043.2

Linden	Lin3	Stream	35 ft	Fertilizer/Manure
Pocock	PC2	Stream	35 ft	Fertilizer/Manure

See more details on the Nutrient Application Setback Requirements found in the Manure Management and Field Information Sections of this Nutrient Management Plan.

PLAN MAINTENANCE

This nutrient management plan was written for the 2025 growing seasons and will need updated for the Spring 2026-growing season. In addition, if any of the following events occur the plan will need to be updated before the 2026-growing season.

1. A change in crop rotation or field acres.
2. Modification of the sidedress application of Nitrogen based on PSNT results.
3. Adjustments to the nutrients applied or manure additions.
4. Changes in animal unit numbers or changes in housing of animals on the farm.
5. New manure analysis taken (minimum of once every 2 years).
6. New soil analysis taken.

If high P levels exist, BMPs should be applied and nutrient rates should be reduced.

Each spring the planter should be calibrated to ensure the correct rate of starter is applied.

Soil samples should be collected at least every other year to maximize utilization of soil nutrients.

Crop rotation is important to prevent soil borne diseases and to use soil nutrients efficiently. Split applications of nitrogen on environmentally sensitive sites reduce potential for runoff and leaching. Utilization of a Pre-Sidedress Nitrogen Test (PSNT) or tissue test can help determine additional N requirements during the growing season.

Application of nutrients should be timed as close as possible to crop growth or uptake and placed near the root zone for efficient crop use. Application to saturated, frozen or snow-covered ground should be avoided unless a crop covers the ground.

OPERATOR RECORD KEEPING REQUIREMENTS:

1. All nutrient management plans and updates for the last 3 years.
2. A record of crops and actual yields for the last 5 years.
3. Analysis of nutrients (all forms) applied to plants and/or crop acreage.
4. Soil analysis results for the entire agricultural operation.
5. Record of timing, location, and amounts of all nutrient applications.
6. Receipts related to the purchase of nutrients.
7. Documentation to justify any changes from the Nutrient Management Plan as written.
8. **If operator is an applicator of nutrients to 10 acres or more;** operator must hold a current Maryland Nutrient Applicator's Voucher.
- 9.

The operator has the primary responsibility for plan implementation, installation of the agreed upon Best Management Practices outlined in the plan and required by

the Water Quality Improvement Act (WQIA). The operator also has the responsibility of maintaining all practices associated with the nutrient management plan and all record keeping associated with the WQIA Regulations.



**Animal Information &
Manure Management**

MANURE MANAGEMENT

Dairy Operation: The manure produced, by the cattle, is collected and stored in two concrete circular manure storages. Pastured animals self apply manure to pastures, as the animals graze.

Refer to the Animal Waste Quantity Worksheets for specific information.

Animal Information					
Animal Type	Start	End	Weight lbs.	Number	Manure Generation*
Cows	01/01/25	12/31/25	1350	410	2,541,299 gallons
Heifers	01/01/25	12/31/25	600	90	204 ton collected
Calves	01/01/25	12/31/25	250-450	90	351 ton collected
Hanna & Pocock-Heifers	01/01/25	12/31/25	800	130	321 ton collected
Hanna-heifers	01/01/25	12/31/25	1000	90	278 ton collected

* See Animal Waste Management Plan Report. A copy of this report is in the plan.

Manure Storage, Usage, and Handling			
Manure Type	Manure Used in the Farm Operation	Storage, Handling & Application	Manure Exported
Dairy Liquid	2,541,299 gallon	Manure is handled with two concrete holding tanks. Storage 1: 12'x92' Storage 2: 12'x70' The manure is custom applied to crop fields; 3x a year.	0
Pen-pack	1,154 ton	Pen-pack from housing facilities. The animals have access to pasture.	0
Animal applied to Pastures	5,284 ton	Animal self applied to pastures	0

Currently, no manure is exported away from the farm operation acreage.

Approximate acres receiving manure under this plan is 430 acres. This acreage figure includes pasture acres.

Manure application equipment should be calibrated to better gage the current output per acre. A manure analysis should be taken at the time manure is being removed from the buildings.

Manure will be sampled at least twice a year until a base line of nutrients is established.

Application of nutrients should be timed as close as possible to crop growth or uptake and placed near the root zone for efficient crop use. See Field Information Section for incorporation details. Application to saturated, frozen or snow-covered ground should be avoided unless a crop covers the ground.

Manure stockpiles should be stored in an appropriate roofed structure or covered with an impermeable cover. If no structure is available, manure should be in a 6-foot conical pile.

When choosing a site to stockpile manure, wetlands and low lying areas should be avoided, as should any site that would allow runoff from stockpile to enter into any ditch, stream, or other surface water body.

The following is a list of conditions to be followed when hauling manure when **adverse weather conditions** arise:

- 100 feet from wells, springs, streams, lakes, ponds or other types of surface water conveyance during times when soil is frozen, snow covered, or saturated.
- 50 feet from surface waters (unless injected or incorporated)
- 50 feet from sinkholes

BMP RECOMMENDATION

The Maryland Department of the Environment may require additional storage capacity to handle the manure generated in a 6 month time frame; for CAFO permitting requirements. Additional storage options have been pursued with the guidance and expertise from the county's NRCS office.

ANIMAL WASTE QUANTITY ESTIMATE

Name: **My Lady's Manor**
 Address:
 City, State, Zip:
 Phone: **443-417-5898**

County: **Harford**
 Watershed:
 Tract / Farm:
 Livestock Type(s): **Dairy**

Manure Production Period:

Starting date:	1/1/2025
Ending date:	12/31/2025

=>

A. Total Days:	365
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LIVESTOCK INFORMATION

	1	2	3	4	5	6	7	8
B. Animal description:	Cows	Dry	Heifers	Heifers		Hanna Heif	Hanna Heif	Pocock
C. Weight (lbs.):	1350	1400	600	250		800	1000	800
D. # of animals:	365	45	90	90		100	90	30
E. Animal units [(C x D)/1000]	492.75	63	54	22.5	0	80	90	24
F. Full days confined:	150	90	30	365		30	30	30
G. Partial days confined:								
days:	215	275	335			335	335	335
hours confined per day:	16	12	4			3	3	3
(days x hrs/day) /24 = Partial days confined:	143.333333	137.5	55.8333333	0	0	41.875	41.875	41.875
H. Total days confined (F + G):	293.333333	227.5	85.8333333	365	0	71.875	71.875	71.875
I. Fraction of collected manure, collected as liquid waste:	1	1	0	0		0	0	0
J. Total days unconfined (on pasture, feedlot etc.) A - H:	71.6666667	137.5	279.166667	0	0	293.125	293.125	293.125
K. Bedding type:	Lime	Lime	straw	straw		straw	straw	
L. Cu. ft. of bedding this production period:	7500	2500	5500	1500		2500	2500	
M. Lbs. bedding/cu.ft. (see reverse side):	95	95	2.5	2.5		2.5	2.5	
N. Tons bedding [(L x M)/2000]	356.25	118.75	6.875	1.875	0	3.125	3.125	0
O. Fraction of bedding collected with liquid waste:	1	1	0	0		0	0	0

UNCOLLECTED MANURE

P. Lbs. manure/AU/day (see reverse side):	106	82	85	85		85	85	85
Q. Tons manure on pasture, feedlot, etc. (E x J x P)/2000:	1,872	355	641	0	0	997	1,121	299

=>	Total tons of uncollected manure: (add Q1...Q8)	5,284
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SOLID WASTE QUANTITY COLLECTED

R. Tons manure collected (E x [H - (H x I)] x P)/2000:	0	0	197	349	0	244	275	73
S. Tons of solid waste collected [(N - (N x O)) + R]:	0	0	204	351	0	248	278	73

=>	Total tons solid waste collected (add S1...S8):	1,154
----	---	--------------

LIQUID WASTE QUANTITY COLLECTED

T. Cu.ft. manure/AU/day (see reverse side):	1.7	1.3						
U. Cu. ft. manure (E x [H x I] x T):	245,718	18,632	0	0	0	0	0	0
V. Cu. ft. of waste [(0.5(L x O)) + U]:	249,468	19,882	0	0	0	0	0	0

=>	W. Total Cu. ft. of waste collected: (add V1...V8)	269,350
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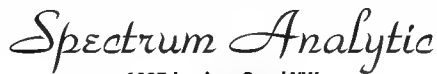
X.	Gallons of waste collected (W x 7.481):	2,015,009
Y.	Gallons of washwater per day: 750 x # days: 365	273,750
Z.	Gallons of rainfall collected: (Collection area sq.ft: 19,290 x in. rain: 21 x 7.481/12):	252,540
Total gallons of liquid waste collected (X + Y + Z):		2,541,299

2 manure storages handle the volume of manure produced.

SUMMARY - QUANTITY OF ANIMAL WASTE COLLECTED

Date	Collected waste amount		Amount used in NMP		Surplus waste	
	Tons	Gallons	Tons	Gallons	Tons	Gallons
	1,154	2,541,299	1,154	2,541,299	0	0

Tons of Uncollected Manure deposited on Pasture, Feedlots, etc: **5,284**



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**AGRONOMICS PLUS
BOX 1011
EAST BERLIN, PA 17316**

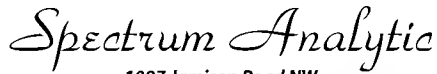
Prepared For
MY LADYS MANOR MONKTON, MD 21111

Sample Information			
Lab Number	FF68167	Sampled	11-27-2024
Sample	PIT SOURCE 1	Tested	12-10-2024
Manure Type	Dairy, Liquid		

Certificate of Analysis Manure

Analysis	Result	Unit	Nutrients lbs/1000 gal	Available 1st Yr ³ lbs/1000 gal	Nutrients lbs/acre-inch	Available 1st Yr ³ lbs/acre-inch
Moisture	86.54	%				
Nitrogen, Total	.25	%	21.8	12.6 ⁴	560	330 ⁴
Nitrogen, Ammonium	.1	%	8.7	8.7 ⁴	230	230 ⁴
Nitrogen, Organic	.15	%	13.0	3.9 ⁴	340	100 ⁴
Phosphorus [P2O5], Total	.19	%	16.5	16.5 ⁴	430	430 ⁴
Potassium [K2O]	.26	%	22.6	22.6 ⁴	590	590 ⁴

- (1) Estimates of 1st year nutrient availability are unavailable if manure type is not specified.
- (2) Estimates of 1st year nutrient availability of "Total Nitrogen" are unavailable if no "Ammonium Nitrogen" test is run.
- (3) Estimates of 1st year nutrient availability do not take into consideration losses in handling and storage prior to incorporation. Nutrient Management Plan guidelines use 100% availability the 1st year for phosphorus and potassium. Actual 1st year availability varies from 40-90% depending on manure type, soil temperature, moisture and other factors. When using manure credits in fertility programs other than NMP, consult state publications, MWP-18, "Livestock Waste Facilities Handbook" or Spectrum Analytic for more specific 1st year availability percentages.
- (4) Source: MWP-18, "Livestock Waste Facilities Handbook"
- (5) Source: A3411, "Manure Nutrient Credit Worksheet", University of Wisconsin



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**AGRONOMICS PLUS
BOX 1011
EAST BERLIN, PA 17316**

Prepared For
MY LADYS MANOR 4030 HOUCKS ROAD MONKTON, MD 21111

Sample Information			
Lab Number	FF54868	Sampled	11-27-2024
Sample	SOLID	Tested	12-10-2024
Manure Type	Dairy, Solid with bedding		

Certificate of Analysis Manure

Analysis	Result	Unit	Nutrients lbs/Ton	Available 1st Yr ³ lbs/Ton		
Moisture	79.48	%				
Nitrogen, Total	.55	%	11.0	3.7 ⁴		
Nitrogen, Ammonium	.06	%	1.2	1.2 ⁴		
Nitrogen, Organic	.49	%	9.8	2.5 ⁴		
Phosphorus [P2O5], Total	.26	%	5.2	5.2 ⁴		
Potassium [K2O]	.61	%	12.2	12.2 ⁴		

(1) Estimates of 1st year nutrient availability are unavailable if manure type is not specified.
 (2) Estimates of 1st year nutrient availability of "Total Nitrogen" are unavailable if no "Ammonium Nitrogen" test is run.
 (3) Estimates of 1st year nutrient availability do not take into consideration losses in handling and storage prior to incorporation. Nutrient Management Plan guidelines use 100% availability the 1st year for phosphorus and potassium. Actual 1st year availability varies from 40-90% depending on manure type, soil temperature, moisture and other factors. When using manure credits in fertility programs other than NMP, consult state publications, MWP-18, "Livestock Waste Facilities Handbook" or Spectrum Analytic for more specific 1st year availability percentages.
 (4) Source: MWP-18, "Livestock Waste Facilities Handbook"
 (5) Source: A3411, "Manure Nutrient Credit Worksheet", University of Wisconsin

**Soils Information
&
Analysis of Results**

ANALYSIS OF SOIL TEST RESULTS

Soil tests were taken by Risser Grain LLC. Waypoint Inc. was the laboratory used to analyze the soil sampled. Copies of the test results are enclosed.

The soil testing revealed 0 crop fields with **Phosphorus levels above a FIV 150**.

FIELDS w/ Phosphorus FIV Levels ≥ 150					
FARM	FIELD	ACRES	FIV LEVEL	INDEX RESULT	N or P Based *
TOTALS					

The Phosphorus Site Index

The P Index uses readily available information to evaluate two broad categories of factors that contribute to the potential for P loss from agricultural land: 1) P loss potential due to site and transport characteristics; 2) P loss potential due to management and source characteristics. The first group of factors assesses the potential for P to be transported off the field with runoff, leaching, and drainage water. The second group of factors assesses the quantity, availability, and forms of P present at the site and the likelihood that the P present in the soil is a source of potential environmental concern. The first key step is to have a current soil test.

Soil Test

The nutrient status of the soil is one of the most important components of a nutrient management plan. A soil test is a laboratory procedure that measures the plant-available portion of soil nutrients. This measurement is used to predict the amount of nutrient or nutrients that will be available during the growing season. Soil test results form the basis for nutrient recommendations. Traditional soil tests include tests for pH, phosphorus, potassium, nitrogen, soil organic matter, and electrical conductivity. You should sample each field area where animal waste nutrients are to be applied. If different field areas have different soil types, past cropping histories, or different production potentials, you should sample and manage these areas separately. You can use soil test results to characterize soil conditions and to determine the agronomic nutrient application rate for animal waste application.

Description

Soil sampling determines the average nutrient concentration in a field, and allows you to measure nutrient variability in the field. When you know the variability, you can adjust the fertilizer application rates to more closely meet the supplemental nutrient needs of a crop, which can increase crop yield, reduce commercial fertilizer costs, and reduce environmental risk.

Send all samples to an accredited laboratory for analyses. An accredited laboratory is one that has been accepted in one or more of the following programs:

- State-certified programs;
- The North American Proficiency Testing Program (Soil Science Society of America); and

- Laboratories participating in other programs whose tests are accepted by the Land Grant University in the state in which the tests are used as the basis for nutrient application.

The analytical results from a soil test extraction are relatively meaningless by themselves. You and/or your Certified Nutrient Management Specialist must interpret soil nutrient levels in terms of the soil's ability to supply the nutrients to crops. Most soil test laboratories use qualitative terms such as "low," "medium or optimum," and "high or very high," which are related to quantities of nutrients extracted, to label the results.

Soil testing is a chemical evaluation of the nutrient-supplying capability of a soil at the time of sampling. Poor soil-sampling procedures account for more than 90% of all errors in fertilizer recommendations based on soil tests. The test is only as good as the sample, so you must handle the sample properly for it to remain a good sample. A testing program can be divided into four steps: 1) taking the sample, 2) analyzing the sample, 3) interpreting the sample analyses, and 4) making the fertilizer recommendations.

Take samples as close as possible to planting or to the time of crop need for the nutrient, approximately two to four weeks before planting or fertilizing the crop. It usually takes one to three weeks from the time you sample for you to receive the results. Very wet, very dry, or frozen soils will not affect results, but obtaining samples during these climatic conditions is very difficult. Do not sample snow-covered fields because the snow makes it difficult to recognize. Avoid unusual areas in the field because your sample may not be representative.

You may need to sample once every year and fertilize for the potential yield of the intended crop, especially for mobile nutrients. Whether you need an analysis of a nutrient depends on such things as mobility in the soil and the nutrient requirements of the crop.

See the actual soil test results which follow this page, along with the soil test conversions to the Fertility Index Value (FIV).

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Axelsson	Ax1	WPT	2/27/2024	SiC	8770	6.40	2.80	11	114	175	694		
					Conversion to FIV	6.40	2.80	14 (L)	72 (O)	136 (E)	61 (O)		
Bunting	BT1	WPT	2/27/2024	SiC	8738	6.90	3.60	10	74	179	834		
					Conversion to FIV	6.90	3.60	13 (L)	46 (M)	139 (E)	78 (O)		
Bunting	BT2	WPT	2/27/2024	SiC	8738	6.90	3.60	10	74	179	834		
					Conversion to FIV	6.90	3.60	13 (L)	46 (M)	139 (E)	78 (O)		
Bunting	BT3	WPT	2/27/2024	SiC	8738	6.90	3.60	10	74	179	834		
					Conversion to FIV	6.90	3.60	13 (L)	46 (M)	139 (E)	78 (O)		
Clifford	CL1	WPT	2/27/2024	SiC	8758	6.80	4.10	9	112	228	720		
					Conversion to FIV	6.80	4.10	12 (L)	71 (O)	176 (E)	64 (O)		
Clifford	CL2	WPT	2/27/2024	SiC	8758	6.80	4.10	9	112	228	720		
					Conversion to FIV	6.80	4.10	12 (L)	71 (O)	176 (E)	64 (O)		
Clifford	CL3	WPT	2/27/2024	SiC	8758	6.80	4.10	9	112	228	720		
					Conversion to FIV	6.80	4.10	12 (L)	71 (O)	176 (E)	64 (O)		
Clifford	CL4	WPT	2/27/2024	SiC	8759	6.70	4.30	15	162	225	795		
					Conversion to FIV	6.70	4.30	19 (L)	103 (E)	173 (E)	74 (O)		
Clifford	CL5	WPT	2/27/2024	SiC	8760	6.40	3.50	10	162	185	686		
					Conversion to FIV	6.40	3.50	13 (L)	103 (E)	143 (E)	60 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Clifford	CL6	WPT	2/27/2024	SiC	8761	6.40	3.50	20	170	162	647		
					Conversion to FIV	6.40	3.50	24 (L)	108 (E)	126 (E)	55 (O)		
Clifford	CL7	WPT	2/27/2024	SiC	8759	6.70	4.30	15	162	225	795		
					Conversion to FIV	6.70	4.30	19 (L)	103 (E)	173 (E)	74 (O)		
Clifford	CL8	WPT	2/27/2024	SiC	8761	6.40	3.50	20	170	162	647		
					Conversion to FIV	6.40	3.50	24 (L)	108 (E)	126 (E)	55 (O)		
Kirby	KB1	WPT	2/27/2024	SiC	8742	6.90	3.10	23	164	240	870		
					Conversion to FIV	6.90	3.10	27 (M)	104 (E)	185 (E)	83 (O)		
Linden	Lin3	WPT	12/28/2023	SiC	443	6.80		18	75	145	727		
					Conversion to FIV	6.80		22 (L)	47 (M)	113 (E)	65 (O)		
Linden	Lin4	WPT	12/28/2023	SiC	431	6.40		25	65	204	738		
					Conversion to FIV	6.40		30 (M)	40 (M)	158 (E)	66 (O)		
Linden	Lin5	WPT	12/28/2023	SiC	431	6.40		25	65	204	738		
					Conversion to FIV	6.40		30 (M)	40 (M)	158 (E)	66 (O)		
McComas Road	Mc1	WPT	2/27/2024	SiC	8766	5.40	3.00	9	60	133	418		
					Conversion to FIV	5.40	3.00	12 (L)	37 (M)	104 (E)	26 (M)		
Pierce	MP1	WPT	2/27/2024	SiC	8762	6.50	3.40	12	210	229	703		
					Conversion to FIV	6.50	3.40	16 (L)	134 (E)	176 (E)	62 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Riepe	R2A	WPT	2/27/2024	SiC	8743	7.00	4.70	22	136	262	948		
					Conversion to FIV	7.00	4.70	26 (M)	86 (O)	201 (E)	93 (O)		
Riepe	R2B	WPT	2/27/2024	SiC	8744	7.00	4.30	24	247	239	875		
					Conversion to FIV	7.00	4.30	29 (M)	158 (E)	184 (E)	84 (O)		
Riepe	R2C	WPT	2/27/2024	SiC	8745	6.60	5.00	16	122	247	910		
					Conversion to FIV	6.60	5.00	20 (L)	77 (O)	190 (E)	88 (O)		
Riepe	R3	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		
Riepe	Rpasture	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		
Wilson	6	WPT	2/27/2024	SiC	8718	6.20	3.10	44	152	133	796		
					Conversion to FIV	6.20	3.10	50 (M)	97 (O)	104 (E)	74 (O)		
Wilson	1	WPT	2/27/2024	SiC	8712	6.00	3.40	84	154	140	748		
					Conversion to FIV	6.00	3.40	94 (O)	98 (O)	109 (E)	68 (O)		
Wilson	2	WPT	2/27/2024	SiC	8714	5.90	4.10	56	113	136	676		
					Conversion to FIV	5.90	4.10	63 (O)	71 (O)	106 (E)	59 (O)		
Wilson	3	WPT	2/27/2024	SiC	8715	6.20	6.40	70	146	103	574		
					Conversion to FIV	6.20	6.40	79 (O)	93 (O)	81 (O)	46 (M)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Wilson	4	WPT	2/27/2024	SiC	8716	6.20	3.20	80	95	145	778		
					Conversion to FIV	6.20	3.20	89 (O)	60 (O)	113 (E)	71 (O)		
Wilson	5	WPT	2/27/2024	SiC	8717	6.10	6.00	44	137	155	699		
					Conversion to FIV	6.10	6.00	50 (M)	87 (O)	120 (E)	61 (O)		
Breidenbaugh Ct	1	WPT	2/27/2024	SiC	8769	6.70	3.20	19	186	214	743		
					Conversion to FIV	6.70	3.20	23 (L)	119 (E)	165 (E)	67 (O)		
Bures	26	WPT	2/27/2024	SiC	8750	7.20	3.90	51	185	250	1138		
					Conversion to FIV	7.20	3.90	58 (O)	118 (E)	192 (E)	117 (E)		
Grimmel	1	WPT	2/27/2024	SiC	8733	7.00	3.10	20	80	225	887		
					Conversion to FIV	7.00	3.10	24 (L)	50 (M)	173 (E)	85 (O)		
Grimmel	2	WPT	2/27/2024	SiC	8734	7.10	3.30	21	144	261	855		
					Conversion to FIV	7.10	3.30	25 (L)	91 (O)	201 (E)	81 (O)		
Grimmel	3	WPT	2/27/2024	SiC	8736	6.30	3.80	36	145	207	797		
					Conversion to FIV	6.30	3.80	42 (M)	92 (O)	160 (E)	74 (O)		
Grimmel	4	WPT	2/27/2024	SiC	8737	6.80	3.80	30	170	190	652		
					Conversion to FIV	6.80	3.80	35 (M)	108 (E)	147 (E)	56 (O)		
Grimmel	5	WPT	2/27/2024	SiC	8736	6.30	3.80	36	145	207	797		
					Conversion to FIV	6.30	3.80	42 (M)	92 (O)	160 (E)	74 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Hammerstein	70	WPT	2/27/2024	SiC	8753	7.20	3.40	21	158	245	856		
					Conversion to FIV	7.20	3.40	25 (L)	101 (E)	189 (E)	81 (O)		
Hanlon	HL1	WPT	2/27/2024	SiC	8741	7.00	5.00	22	270	257	950		
					Conversion to FIV	7.00	5.00	26 (M)	173 (E)	198 (E)	93 (O)		
Hanlon	HL2	WPT	2/27/2024	SiC	8740	7.00	4.10	24	277	246	963		
					Conversion to FIV	7.00	4.10	29 (M)	178 (E)	189 (E)	95 (O)		
Hanlon	HL3	WPT	2/27/2024	SiC	8740	7.00	4.10	24	277	246	963		
					Conversion to FIV	7.00	4.10	29 (M)	178 (E)	189 (E)	95 (O)		
Hanna	14	WPT	2/27/2024	SiC	8726	6.80	3.40	43	90	212	951		
					Conversion to FIV	6.80	3.40	49 (M)	56 (O)	164 (E)	93 (O)		
Hanna	15	WPT	2/27/2024	SiC	8727	6.90	4.80	29	118	207	894		
					Conversion to FIV	6.90	4.80	34 (M)	75 (O)	160 (E)	86 (O)		
Hanna	15A	WPT	2/27/2024	SiC	8727	6.90	4.80	29	118	207	894		
					Conversion to FIV	6.90	4.80	34 (M)	75 (O)	160 (E)	86 (O)		
Hanna	Past	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		
Home	1	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Home	2	WPT	2/27/2024	SiC	8748	7.00	3.70	0	115	215	742		
					Conversion to FIV	7.00	3.70	2 (L)	73 (O)	166 (E)	67 (O)		
Home	28	WPT	2/27/2024	SiC	8752	7.00	3.50	74	337	251	993		
					Conversion to FIV	7.00	3.50	83 (O)	217 (E)	193 (E)	99 (O)		
Home	3	WPT	2/27/2024	SiC	8749	7.20	4.20	130	130	229	1308		
					Conversion to FIV	7.20	4.20	144 (E)	82 (O)	176 (E)	138 (E)		
Home	6	WPT	2/27/2024	SiC	8749	7.20	4.20	130	130	229	1308		
					Conversion to FIV	7.20	4.20	144 (E)	82 (O)	176 (E)	138 (E)		
Home	8	WPT	2/27/2024	SiC	8749	7.20	4.20	130	130	229	1308		
					Conversion to FIV	7.20	4.20	144 (E)	82 (O)	176 (E)	138 (E)		
Home	9	WPT	2/27/2024	SiC	8755	7.00	3.90	35	151	224	920		
					Conversion to FIV	7.00	3.90	40 (M)	96 (O)	173 (E)	89 (O)		
Home	Past	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		
Ives	V1	WPT	2/27/2024	SiC	8728	7.10	3.40	39	178	234	834		
					Conversion to FIV	7.10	3.40	45 (M)	114 (E)	180 (E)	78 (O)		
Ives	V10	WPT	2/27/2024	SiC	8732	6.50	3.20	15	75	177	705		
					Conversion to FIV	6.50	3.20	19 (L)	47 (M)	137 (E)	62 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe	
Ives	V11	WPT	2/27/2024	SiC	8732	6.50	3.20	15	75	177	705			
												Conversion to FIV	6.50	3.20
Ives	V12	WPT	2/27/2024	SiC	8732	6.50	3.20	15	75	177	705			
												Conversion to FIV	6.50	3.20
Ives	V2	WPT	2/27/2024	SiC	8728	7.10	3.40	39	178	234	834			
												Conversion to FIV	7.10	3.40
Ives	V3	WPT	2/27/2024	SiC	8729	6.60	4.60	12	76	188	696			
												Conversion to FIV	6.60	4.60
Ives	V4	WPT	2/27/2024	SiC	8729	6.60	4.60	12	76	188	696			
												Conversion to FIV	6.60	4.60
Ives	V5	WPT	2/27/2024	SiC	8730	6.90	3.50	22	94	212	881			
												Conversion to FIV	6.90	3.50
Ives	V6, V7, V8	WPT	2/27/2024	SiC	8729	6.60	4.60	12	76	188	696			
												Conversion to FIV	6.60	4.60
Ives	V9	WPT	2/27/2024	SiC	8731	6.30	3.50	11	62	159	628			
												Conversion to FIV	6.30	3.50
Linden	Lin1	WPT	12/28/2023	SiC	443	6.80			18	75	145	727		
													Conversion to FIV	6.80

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Linden	Lin2	WPT	12/28/2023	SiC	442	5.90		14	42	98	635		
					Conversion to FIV	5.90		18 (L)	25 (L)	77 (O)	53 (O)		
Perdue	MAP Past	WPT	2/27/2024	SiC	8769	7.10	4.10	19	186	214	743		
					Conversion to FIV	7.10	4.10	23 (L)	119 (E)	165 (E)	67 (O)		
Perdue	P1	WPT	2/27/2024	SiC	8763	6.70	3.60	73	262	254	873		
					Conversion to FIV	6.70	3.60	82 (O)	168 (E)	195 (E)	83 (O)		
Perdue	P2	WPT	2/27/2024	SiC	8764	6.80	4.00	53	242	253	872		
					Conversion to FIV	6.80	4.00	60 (O)	155 (E)	195 (E)	83 (O)		
Perdue	P3	WPT	2/27/2024	SiC	8764	6.80	4.00	53	242	253	872		
					Conversion to FIV	6.80	4.00	60 (O)	155 (E)	195 (E)	83 (O)		
Perdue	P4	WPT	2/27/2024	SiC	8765	6.70	3.80	65	224	222	806		
					Conversion to FIV	6.70	3.80	73 (O)	143 (E)	171 (E)	75 (O)		
Pocock	PC1	WPT	12/28/2023	SiC	434	6.60		15	137	201	1050		
					Conversion to FIV	6.60		19 (L)	87 (O)	155 (E)	106 (E)		
Pocock	PC1f	WPT	12/28/2023	SiC	434	6.60		15	137	201	1050		
					Conversion to FIV	6.60		19 (L)	87 (O)	155 (E)	106 (E)		
Pocock	PC2	WPT	12/28/2023	SiC	435	6.30		13	118	187	920		
					Conversion to FIV	6.30		17 (L)	75 (O)	145 (E)	89 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Pocock	PC4A	WPT	12/28/2023	SiC	436	6.40		33	198	197	907		
					Conversion to FIV	6.40		38 (M)	126 (E)	152 (E)	88 (O)		
Pocock	PC4B	WPT	12/28/2023	SiC	436	6.40		33	198	197	907		
					Conversion to FIV	6.40		38 (M)	126 (E)	152 (E)	88 (O)		
Pocock	PC4C	WPT	12/28/2023	SiC	436	6.40		33	198	197	907		
					Conversion to FIV	6.40		38 (M)	126 (E)	152 (E)	88 (O)		
Pocock	PC5A	WPT	12/28/2023	SiC	438	6.60		17	134	213	792		
					Conversion to FIV	6.60		21 (L)	85 (O)	164 (E)	73 (O)		
Pocock	PC5B	WPT	12/28/2023	SiC	438	6.60		17	134	213	792		
					Conversion to FIV	6.60		21 (L)	85 (O)	164 (E)	73 (O)		
Pocock	PC5C	WPT	12/28/2023	SiC	438	6.60		17	134	213	792		
					Conversion to FIV	6.60		21 (L)	85 (O)	164 (E)	73 (O)		
Pocock	PC6	WPT	12/28/2023	SiC	438	6.60		17	134	213	792		
					Conversion to FIV	6.60		21 (L)	85 (O)	164 (E)	73 (O)		
Pocock	PC_Past	WPT	12/28/2023	SiC	435	6.30		13	118	187	920		
					Conversion to FIV	6.30		17 (L)	75 (O)	145 (E)	89 (O)		
Sterrett	27	WPT	2/27/2024	SiC	8751	7.20	3.90	23	257	241	844		
					Conversion to FIV	7.20	3.90	27 (M)	165 (E)	186 (E)	80 (O)		

Soil Test Results

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	MDA operator no.	4127
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	2-9-2025

Tract No.	Field No.	Lab	Test Date	Soil Texture	Test Number	pH	O.M	P	K	Mg	Ca	Al	Fe
Swift	SW1	WPT	12/28/2023	SiC	432	6.70		18	99	211	671		
					Conversion to FIV	6.70		22 (L)	62 (O)	163 (E)	58 (O)		
Swift	SW2	WPT	12/28/2023	SiC	432	6.70		18	99	211	671		
					Conversion to FIV	6.70		22 (L)	62 (O)	163 (E)	58 (O)		
Swift	SW3	WPT	12/28/2023	SiC	432	6.70		18	99	211	671		
					Conversion to FIV	6.70		22 (L)	62 (O)	163 (E)	58 (O)		
Swift	Swift P	WPT	2/27/2024	SiC	8747	6.70		30	115	215	742		
					Conversion to FIV	6.70		35 (M)	73 (O)	166 (E)	67 (O)		
Voss	Voss1	WPT	12/28/2023	SiC	444	6.10		22	38	71	907		
					Conversion to FIV	6.10		26 (M)	23 (L)	57 (O)	88 (O)		
Voss	Voss3	WPT	12/28/2023	SiC	444	6.10		22	38	71	907		
					Conversion to FIV	6.10		26 (M)	23 (L)	57 (O)	88 (O)		
Wagenfuehr	W1	WPT	2/27/2024	SiC	8767	6.70	3.20	14	163	202	616		
					Conversion to FIV	6.70	3.20	18 (L)	104 (E)	156 (E)	51 (O)		

**2025 Field Specific Information
w/ corresponding Farm Name**
including proposed crop and field acreage

FIELD OR MANAGEMENT UNIT SPECIFIC INFORMATION

A soil conservation plan should be implemented as time and resources allow. The conservation plan helps to minimize soil erosion which translates into reducing the amount of phosphorus lost with movement of soil and/or sediment.

All crop yield determinations were based on the records and information provided by the operator.

Nutrients - On Farm Sources (available for crop production):

Nutrient Source	Amount Available	Rate of Application	Nutrients Supplied N - P₂O₅ - K₂O (lbs/acre)
Dairy Liquid	2,541,000 gal	7500 gal/ac	61-120-164 (7+ day incorporation)
Dairy Pen Pack	1,154 ton	12 ton/ac	89-209-324 (7+ day incorporation)

Split applications of nitrogen on environmentally sensitive sites reduce potential for runoff and leaching. Utilization of a Pre-Sidedress Nitrogen Test (PSNT) or tissue test can help determine additional N requirements during the growing season.

Application of nutrients should be timed as close as possible to crop growth or uptake and placed near the root zone for efficient crop use. Application to saturated, frozen or snow-covered ground should be avoided unless a crop covers the ground.

A farmer making a fall-application of an organic nutrient source to fallow cropland shall plant a cover crop as soon as possible after application. The cover crop planting shall occur no later than November 15th of that calendar year.

PSNTs are excellent for evaluating nitrogen application on corn later in the season. The results of these tests can confirm the need for additional nitrogen at sidedress time.

Nutrient Applicators Vouchers are required by the State of Maryland for anyone who applies nutrients of any type to 10 acres or more. This includes manure and commercial fertilizer such as starter used in the planter. If certification has not already been obtained please note it is required.

The attached recommendations, in this Field Information Section, follow the guidance of the University of Maryland. These recommendations are to be **used only** when planting and fertilization differs from those outlined in the Summary of Recommendations found in this plan and labeled as such. The following recommendations are the maximum nutrient tolerances (withstanding certain exceptions) handed down by the University based on the soil test results for the prescribed crop.

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025		
Street Address		4030 Houcks Road				MDA operator no.		4127		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		2-9-2025		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Home	1	18.00 Acres	Corn silage, conven. till.	28	Cons tillage, res 30-70%	0	Dairy L	5500.0 gal/A	Dairy L Dairy S	5500.0 gal/A 12.0 tons/A
Home	2	11.50 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0				
Home	28	6.00 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Home	3	11.40 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Home	6	3.90 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0				
Home	8	20.20 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Home	9	15.40 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0				
Home	Past	28.80 Acres	Orchardgrss; Maint.	3.0	Cons tillage, res 30-70%	0				
Axelsson	Ax1	14.30 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Bunting	BT1	12.70 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Bunting	BT2	11.60 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Bunting	BT3	2.60 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Clifford	CL1	5.60 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL2	6.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A		

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025		
Street Address		4030 Houcks Road				MDA operator no.		4127		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		2-9-2025		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Clifford	CL3	5.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL4	16.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL5	7.80 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL6	11.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL7	11.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Clifford	CL8	0.70 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Kirby	KB1	11.30 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A		
Linden	Lin3	11.50 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0				
Linden	Lin4	32.00 Acres	Corn grain, conservation till	28	Cons tillage, res 30-70%	0				
Linden	Lin5	12.80 Acres	Corn grain, conservation till	28	Cons tillage, res 30-70%	0				
McComas Road	Mc1	4.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	20				
Pierce	MP1	14.50 Acres	Corn silage, conservation till	28	No-till, res > 70%	40	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Riepe	R2A	5.40 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Riepe	R2B	12.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025		
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Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Riepe	R2C	10.50 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Riepe	R3	4.40 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0				
Riepe	Rpasture	18.00 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Wilson	6	19.10 Acres	Corn grain, conservation till	200	Cons tillage, res 30-70%	0				
Wilson	1	40.00 Acres	Soybeans with P or K based manure application	60	Cons tillage, res 30-70%	0				
Wilson	2	34.50 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Wilson	3	14.80 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Wilson	4	13.10 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Wilson	5	15.10 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Breidenbaugh Ct	1	9.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Bures	26	5.00 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Grimmel	1	13.10 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0				
Grimmel	2	8.20 Acres	Soybeans with P or K based manure application	60	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Grimmel	3	18.00 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025			
Street Address		4030 Houcks Road				MDA operator no.		4127			
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		2-9-2025			
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source				
							Manure/Sludge Field History				
							Last Year		2 Years Ago		
							Type	Rate	Type	Rate	
Grimmel	4	17.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Grimmel	5	6.20 Acres	Orchardgrss; Maint.	4.0	No-till, res > 70%	0					
Hammerstein	70	36.00 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A	
Hanlon	HL1	15.90 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0					
Hanlon	HL2	3.70 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0					
Hanlon	HL3	11.30 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0					
Hanna	14	53.00 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy S Dairy L	12.0 tons/A 7500.0 gal/A	
Hanna	15	7.80 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0			Dairy S Dairy L	12.0 tons/A 7500.0 gal/A	
Hanna	15A	7.20 Acres	Alf. & Alf. Grass mix, more than 25% Alf.; Maint.	7.0	Cons tillage, res 30-70%	0			Dairy S Dairy L	12.0 tons/A 7500.0 gal/A	
Hanna	Past	30.20 Acres	Orchardgrss; Maint.	3.0	Cons tillage, res 30-70%	0					
Ives	V1	22.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A			
Ives	V10	6.00 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0					
Ives	V11	5.00 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0					
Ives	V12	9.10 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0					

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025		
Street Address		4030 Houcks Road				MDA operator no.		4127		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		2-9-2025		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Ives	V2	5.10 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Ives	V3	1.80 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Ives	V4	4.20 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Ives	V5	10.50 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Ives	V6, V7, V8	16.20 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Ives	V9	11.80 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Linden	Lin1	8.40 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Linden	Lin2	7.50 Acres	Corn grain, conservation till	28	Cons tillage, res 30-70%	0				
Perdue	MAP Past	14.20 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Perdue	P1	10.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Perdue	P2	5.90 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Perdue	P3	8.40 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Perdue	P4	9.50 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Pocock	PC1	50.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2025		
Street Address		4030 Houcks Road				MDA operator no.		4127		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		2-9-2025		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Pocock	PC1f	18.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC2	19.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4A	5.50 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4B	6.30 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4C	6.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC5A	4.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC5B	7.30 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC5C	5.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC6	10.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC_Past	38.10 Acres	Orchardgrss; Maint.	3.0	Cons tillage, res 30-70%	0				
Sterrett	27	4.20 Acres	Corn silage, conservation till	9.0	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Swift	SW1	10.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Swift	SW2	8.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Swift	SW3	14.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year	2025			
Street Address		4030 Houcks Road				MDA operator no.	4127			
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared	2-9-2025			
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
						Last Year		2 Years Ago		
						Type	Rate	Type	Rate	
Swift	Swift P	13.00 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Voss	Voss1	15.40 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Voss	Voss3	3.30 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Wagenfuehr	W1	10.70 Acres	Small grain for silage	9.0	Cons tillage, res 30-70%	0		Dairy L	7500.0 gal/A	

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Axelsson	Ax1 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	14.30 Acres	190 Bu/A	190-125-63 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	125 #/A	63 #/A		0.0 t/A
									broadcast	30 #/A	85 #/A	32 #/A		
									banded w/planter	30 #/A	40 #/A	31 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Axelsson	Ax1 2025 [*]	10 Soybeans 3 4	14.30 Acres	60 Bu/A	0-127-61 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	127 #/A	61 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	127 #/A	61 #/A		
Bunting	BT1 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	12.70 Acres	4.0 T/A	200-102-60 #/A	0 #/A	20 #/A	0 #/A	Total	180 #/A	102 #/A	60 #/A		0.0 t/A
									tpdrs@ green-up	45 #/A	51 #/A	30 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	51 #/A	30 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Bunting	BT2 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	11.60 Acres	4.0 T/A	200-102-60 #/A	0 #/A	5 #/A	0 #/A	Total	195 #/A	102 #/A	60 #/A		0.0 t/A
									tpdrs@ green-up	45 #/A	51 #/A	30 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	51 #/A	30 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Bunting	BT3 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	2.60 Acres	4.0 T/A	200-102-60 #/A	0 #/A	5 #/A	0 #/A	Total	195 #/A	102 #/A	60 #/A		0.0 t/A
									tpdrs@ green-up	45 #/A	51 #/A	30 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	51 #/A	30 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Clifford	CL1 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	5.60 Acres	190 Bu/A	190-131-64 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	131 #/A	64 #/A		0.0 t/A
									broadcast	30 #/A	91 #/A	32 #/A		
									banded w/planter	30 #/A	40 #/A	32 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Clifford	CL2 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	6.50 Acres	190 Bu/A	190-131-64 #/A	20 #/A	15 #/A	0 #/A	Total	155 #/A	131 #/A	64 #/A		0.0 t/A
									broadcast	30 #/A	91 #/A	32 #/A		
									banded w/planter	30 #/A	40 #/A	32 #/A		
									sidedress	95 #/A	0 #/A	0 #/A		
Clifford	CL3 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	5.40 Acres	190 Bu/A	190-131-64 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	131 #/A	64 #/A		0.0 t/A
									broadcast	30 #/A	91 #/A	32 #/A		
									banded w/planter	30 #/A	40 #/A	32 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		
Clifford	CL4 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	16.00 Acres	190 Bu/A	190-112-0 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	112 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Clifford	CL5 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	7.80 Acres	190 Bu/A	190-128-0 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	128 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	88 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		
Clifford	CL6 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	11.00 Acres	190 Bu/A	190-97-0 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	97 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	57 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		
Clifford	CL7 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	11.50 Acres	190 Bu/A	190-112-0 #/A	20 #/A	20 #/A	0 #/A	Total	150 #/A	112 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	90 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Clifford	CL8 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	0.70 Acres	28 T/A	176-97-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	97 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	57 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Kirby	KB1 2025 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	11.30 Acres	28 T/A	176-94-0 #/A	0 #/A	15 #/A	0 #/A	Total	161 #/A	94 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	54 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	101 #/A	0 #/A	0 #/A		
Linden	Lin3 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	11.50 Acres	4.0 T/A	200-71-58 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	71 #/A	58 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	36 #/A	29 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	35 #/A	29 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

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Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Linden	Lin3 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	11.50 Acres	28 Bu/A	28-73-67 #/A	0 #/A	0 #/A	0 #/A	Total	28 #/A	73 #/A	67 #/A		0.0 t/A
									broadcast	0 #/A	37 #/A	34 #/A		
									banded w/planter	28 #/A	36 #/A	33 #/A		
									sidedress	0 #/A	0 #/A	0 #/A		
Linden	Lin4 2025	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	32.00 Acres	4.0 T/A	200-54-74 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	54 #/A	74 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	54 #/A	37 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	37 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Linden	Lin4 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	32.00 Acres	28 Bu/A	28-60-80 #/A	0 #/A	0 #/A	0 #/A	Total	28 #/A	60 #/A	80 #/A		0.0 t/A
									broadcast	0 #/A	30 #/A	40 #/A		
									banded w/planter	28 #/A	30 #/A	40 #/A		
									sidedress	0 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Linden	Lin5 2025	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	12.80 Acres	4.0 T/A	200-54-74 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	54 #/A	74 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	54 #/A	37 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	37 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Linden	Lin5 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	12.80 Acres	28 Bu/A	28-60-80 #/A	0 #/A	0 #/A	0 #/A	Total	28 #/A	60 #/A	80 #/A		0.0 t/A
									broadcast	0 #/A	30 #/A	40 #/A		
									banded w/planter	28 #/A	30 #/A	40 #/A		
									sidedress	0 #/A	0 #/A	0 #/A		
McComas Road	Mc1 2025 [*]	2 Corn grain, conservation till 7 1 2 3 27 60 92 93	4.50 Acres	190 Bu/A	190-131-127 #/A	20 #/A	0 #/A	0 #/A	Total	170 #/A	131 #/A	127 #/A		2.6 t/A
									broadcast	30 #/A	91 #/A	87 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	110 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
McComas Road	Mc1 2025	10 Soybeans 7 3 4	4.50 Acres	60 Bu/A	0-130-122 #/A	20 #/A	0 #/A	0 #/A	Total	0 #/A	130 #/A	122 #/A		2.6 t/A
									brdcst/band @plntg	0 #/A	130 #/A	122 #/A		
Pierce	MP1 2025 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	14.50 Acres	28 T/A	176-122-0 #/A	40 #/A	20 #/A	0 #/A	Total	116 #/A	122 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	82 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	56 #/A	0 #/A	0 #/A		
Pierce	MP1 2025	260 Small grain for silage 28 29 3 4 6 228	14.50 Acres	9.0 T/A	100-69-0 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	69 #/A	0 #/A		0.0 t/A
									brdcst bef. seeding	20 #/A	69 #/A	0 #/A		
									tpdrs@ green-up	80 #/A	0 #/A	0 #/A		

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Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Riepe	R2A 2025 [M]	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 28 29 4 38	5.40 Acres	7.0 T/A	0-75-314 #/A	0 #/A	5 #/A	0 #/A	Total	0 #/A	75 #/A	314 #/A		0.0 t/A
									topdress annually	0 #/A	75 #/A	314 #/A		
Riepe	R2A 2025	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	5.40 Acres	190 Bu/A	190-94-51 #/A	0 #/A	5 #/A	0 #/A	Total	185 #/A	94 #/A	51 #/A		0.0 t/A
									broadcast	30 #/A	54 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	25 #/A		
									sidedress	125 #/A	0 #/A	0 #/A		
Riepe	R2B 2025	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 28 29 4 38	12.50 Acres	7.0 T/A	0-72-300 #/A	0 #/A	5 #/A	0 #/A	Total	0 #/A	72 #/A	300 #/A		0.0 t/A
									topdress annually	0 #/A	72 #/A	300 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Riepe	R2B 2025 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	12.50 Acres	190 Bu/A	190-91-0 #/A	0 #/A	5 #/A	0 #/A	Total	185 #/A	91 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	51 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	125 #/A	0 #/A	0 #/A		
Riepe	R2C 2025 [*]	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 4 38	10.50 Acres	7.0 T/A	0-83-323 #/A	0 #/A	5 #/A	0 #/A	Total	0 #/A	83 #/A	323 #/A		0.6 t/A
									topdress annually	0 #/A	83 #/A	323 #/A		
Riepe	R2C 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	10.50 Acres	190 Bu/A	190-109-59 #/A	0 #/A	5 #/A	0 #/A	Total	185 #/A	109 #/A	59 #/A		0.0 t/A
									broadcast	30 #/A	69 #/A	30 #/A		
									banded w/planter	30 #/A	40 #/A	29 #/A		
									sidedress	125 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Riepe	R3 2025 [M]	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 28 29 4 38	4.40 Acres	7.0 T/A	0-64-328 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	64 #/A	328 #/A		0.4 t/A
									topdress annually	0 #/A	64 #/A	328 #/A		
Riepe	R3 2025	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	4.40 Acres	190 Bu/A	190-82-62 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	82 #/A	62 #/A		0.0 t/A
									broadcast	30 #/A	42 #/A	31 #/A		
									banded w/planter	30 #/A	40 #/A	31 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Riepe	Rpasture 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	18.00 Acres	3.0 T/A	150-45-37 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	37 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	37 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Wilson	6 2025 [M]	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	19.10 Acres	200 Bu/A	200-66-47 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	66 #/A	47 #/A		1.4 t/A
									broadcast	30 #/A	33 #/A	24 #/A		
									banded w/planter	30 #/A	33 #/A	23 #/A		
									sidedress	140 #/A	0 #/A	0 #/A		
Wilson	6 2025	9 Soybeans with P or K based manure application 7 28 29 3 4	19.10 Acres	60 Bu/A	0-75-51 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	75 #/A	51 #/A		1.4 t/A
									brdcst/band @plntg	0 #/A	75 #/A	51 #/A		
Wilson	1 2025	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	40.00 Acres	200 Bu/A	200-39-46 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	39 #/A	46 #/A		2.1 t/A
									broadcast	30 #/A	0 #/A	23 #/A		
									banded w/planter	30 #/A	39 #/A	23 #/A		
									sidedress	140 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Wilson	1 2025 [M]	9 Soybeans with P or K based manure application 7 28 29 3 4	40.00 Acres	60 Bu/A	0-38-51 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	38 #/A	51 #/A		2.1 t/A
									brdcst/band @plntg	0 #/A	38 #/A	51 #/A		
Wilson	2 2025	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	34.50 Acres	200 Bu/A	200-45-67 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	45 #/A	67 #/A		2.4 t/A
									broadcast	30 #/A	23 #/A	34 #/A		
									banded w/planter	30 #/A	22 #/A	33 #/A		
									sidedress	140 #/A	0 #/A	0 #/A		
Wilson	2 2025 [M]	10 Soybeans 7 28 29 3 4	34.50 Acres	60 Bu/A	0-54-62 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	54 #/A	62 #/A		2.4 t/A
									brdcst/band @plntg	0 #/A	54 #/A	62 #/A		

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Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Wilson	3 2025	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	14.80 Acres	200 Bu/A	200-42-50 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	42 #/A	50 #/A		1.4 t/A
									broadcast	30 #/A	0 #/A	25 #/A		
									banded w/planter	30 #/A	42 #/A	25 #/A		
									sidedress	140 #/A	0 #/A	0 #/A		
Wilson	3 2025 [M]	10 Soybeans 7 28 29 3 4	14.80 Acres	60 Bu/A	0-46-53 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	46 #/A	53 #/A		1.4 t/A
									brdcst/band @plntg	0 #/A	46 #/A	53 #/A		
Wilson	4 2025	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	13.10 Acres	200 Bu/A	200-40-77 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	40 #/A	77 #/A		1.4 t/A
									broadcast	30 #/A	0 #/A	39 #/A		
									banded w/planter	30 #/A	40 #/A	38 #/A		
									sidedress	140 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Riepe	R2C 2023	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 28 29 4 38	10.50 Acres	7.0 T/A	0-61-300 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	61 #/A	300 #/A		0.6 t/A
									topdress annually	0 #/A	61 #/A	300 #/A		
Riepe	R2C 2023 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	10.50 Acres	190 Bu/A	190-79-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	79 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	40 #/A	0 #/A		
									banded w/planter	30 #/A	39 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Riepe	R3 2023 [M]	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 28 29 4 38	4.40 Acres	7.0 T/A	0-101-372 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	101 #/A	372 #/A		0.9 t/A
									topdress annually	0 #/A	101 #/A	372 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Riepe	R3 2023	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	4.40 Acres	190 Bu/A	190-140-122 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	140 #/A	122 #/A		1.9 t/A
									broadcast	30 #/A	100 #/A	82 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Riepe	Rpasture 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	18.00 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Breidenbaug Ct	1 2023 [*]	5 Corn silage, conservation till 7 1 2 3 4 27 60 92 93	9.20 Acres	28 T/A	176-115-204 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	115 #/A	204 #/A		2.4 t/A
									broadcast	30 #/A	75 #/A	164 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Bures	26 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	5.00 Acres	28 T/A	176-45-0 #/A	0 #/A	15 #/A	0 #/A	Total	161 #/A	45 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	23 #/A	0 #/A		
									banded w/planter	30 #/A	22 #/A	0 #/A		
									sidedress	101 #/A	0 #/A	0 #/A		
Grimmel	5 2023 [M]	74 Orchardgrss; Maint. 7 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	6.20 Acres	4.0 T/A	200-67-24 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	67 #/A	24 #/A		0.9 t/A
									tpdrs@ green-up	50 #/A	34 #/A	24 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	33 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Grimmel	1 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	13.10 Acres	28 T/A	176-53-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	53 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	27 #/A	0 #/A		
									banded w/planter	30 #/A	26 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Grimmel	1 2023	10 Soybeans 28 29 3 4	13.10 Acres	60 Bu/A	0-57-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	57 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	57 #/A	0 #/A		
Grimmel	2 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	8.20 Acres	28 T/A	176-76-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	76 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	38 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Grimmel	2 2023	10 Soybeans 28 29 3 4	8.20 Acres	60 Bu/A	0-76-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	76 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	76 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Grimmel	3 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	18.00 Acres	28 T/A	176-80-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	80 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	40 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Grimmel	3 2023	10 Soybeans 28 29 3 4	18.00 Acres	60 Bu/A	0-84-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	84 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	84 #/A	0 #/A		
Grimmel	4 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	17.00 Acres	28 T/A	176-80-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	80 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	40 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Grimmel	4 2023	10 Soybeans 28 29 3 4	17.00 Acres	60 Bu/A	0-84-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	84 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	84 #/A	0 #/A		
Hammerstein	70 2023 [M]	10 Soybeans 7 28 29 3 4	36.00 Acres	60 Bu/A	0-98-105 #/A	0 #/A	10 #/A	0 #/A	Total	0 #/A	98 #/A	105 #/A		1.4 t/A
									brdcst/band @plntg	0 #/A	98 #/A	105 #/A		
Hammerstein	70 2023	5 Corn silage, conservation till 7 28 29 1 2 3 4 27 60 92 93	36.00 Acres	28 T/A	176-88-145 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	88 #/A	145 #/A		1.4 t/A
									broadcast	30 #/A	48 #/A	105 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		

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Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Hammerstein	70 2023	52 Small grain for silage, P-based 7 28 29 3 4 6 91 228	36.00 Acres	9.0 T/A	100-42-28 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	42 #/A	28 #/A		1.4 t/A
									brdcast bef. seeding	20 #/A	42 #/A	28 #/A		
									tpdrs@ green-up	80 #/A	0 #/A	0 #/A		
Hanlon	HL1 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	15.90 Acres	190 Bu/A	190-112-154 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	112 #/A	154 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	114 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Hanlon	HL2 2023 [*]	2 Corn grain, conservation till 7 1 2 3 27 60 92 93	3.70 Acres	190 Bu/A	190-140-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	140 #/A	0 #/A		2.1 t/A
									broadcast	30 #/A	100 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Hanlon	HL3 2023 [*]	2 Corn grain, conservation till 7 1 2 3 27 60 92 93	11.30 Acres	190 Bu/A	190-140-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	140 #/A	0 #/A		2.1 t/A
									broadcast	30 #/A	100 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Hanna	14 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	53.00 Acres	28 T/A	176-75-102 #/A	0 #/A	5 #/A	0 #/A	Total	171 #/A	75 #/A	102 #/A		0.0 t/A
									broadcast	30 #/A	38 #/A	62 #/A		
									banded w/planter	30 #/A	37 #/A	40 #/A		
									sidedress	111 #/A	0 #/A	0 #/A		
Hanna	15 2023 [M]	5 Corn silage, conservation till 7 28 29 1 2 3 4 27 60 92 93	7.80 Acres	28 T/A	176-122-215 #/A	0 #/A	50 #/A	0 #/A	Total	126 #/A	122 #/A	215 #/A		1.3 t/A
									broadcast	30 #/A	82 #/A	175 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	66 #/A	0 #/A	0 #/A		

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Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Hanna	15A 2023 [M]	5 Corn silage, conservation till 7 28 29 1 2 3 4 27 60 92 93	7.20 Acres	28 T/A	176-122-215 #/A	0 #/A	50 #/A	0 #/A	Total	126 #/A	122 #/A	215 #/A		1.3 t/A
									broadcast	30 #/A	82 #/A	175 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	66 #/A	0 #/A	0 #/A		
Hanna	Past 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	30.20 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Home	1 2023 [M]	4 Corn silage, conven. till. 28 29 1 2 3 27 60 92 93	18.00 Acres	28 T/A	176-52-0 #/A	0 #/A	60 #/A	0 #/A	Total	116 #/A	52 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	26 #/A	0 #/A		
									banded w/planter	30 #/A	26 #/A	0 #/A		
									sidedress	56 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Home	2 2023 [*]	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 4 38	11.50 Acres	7.0 T/A	0-0-331 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	0 #/A	331 #/A		0.0 t/A
									topdress annually	0 #/A	0 #/A	331 #/A		
Home	28 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	6.00 Acres	28 T/A	176-92-164 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	92 #/A	164 #/A		0.0 t/A
									broadcast	30 #/A	52 #/A	124 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		
Home	3 2023	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 28 29 4 38	11.40 Acres	7.0 T/A	0-0-331 #/A	0 #/A	10 #/A	0 #/A	Total	0 #/A	0 #/A	331 #/A		0.0 t/A
									topdress annually	0 #/A	0 #/A	331 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Home	3 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	11.40 Acres	28 T/A	176-0-113 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	0 #/A	113 #/A		0.0 t/A
									broadcast	30 #/A	0 #/A	73 #/A		
									banded w/planter	30 #/A	0 #/A	40 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		
Home	6 2023	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 28 29 4 38	3.90 Acres	7.0 T/A	0-70-370 #/A	0 #/A	10 #/A	0 #/A	Total	0 #/A	70 #/A	370 #/A		0.9 t/A
									topdress annually	0 #/A	70 #/A	370 #/A		
Home	6 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	3.90 Acres	28 T/A	176-92-164 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	92 #/A	164 #/A		0.0 t/A
									broadcast	30 #/A	52 #/A	124 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Home	8 2023	37 Alf. & Alf. Grass mix, more than 25% Alf.; Maint. 7 28 29 4 38	20.20 Acres	7.0 T/A	0-70-370 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	70 #/A	370 #/A		0.9 t/A
									topdress annually	0 #/A	70 #/A	370 #/A		
Home	8 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	20.20 Acres	28 T/A	176-92-164 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	92 #/A	164 #/A		0.0 t/A
									broadcast	30 #/A	52 #/A	124 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Home	Past 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	28.80 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
		tpdrs late fall	50 #/A	0 #/A	0 #/A									

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Ives	V1 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	22.00 Acres	28 T/A	176-51-0 #/A	0 #/A	5 #/A	0 #/A	Total	171 #/A	51 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	26 #/A	0 #/A		
									banded w/planter	30 #/A	25 #/A	0 #/A		
									sidedress	111 #/A	0 #/A	0 #/A		
Ives	V1 2023	52 Small grain for silage,P-based 28 29 3 4 6 91 228	22.00 Acres	9.0 T/A	100-25-0 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	25 #/A	0 #/A		0.0 t/A
									brdcast bef. seeding	20 #/A	25 #/A	0 #/A		
									tpdrs@ green-up	80 #/A	0 #/A	0 #/A		
Ives	V2 2023	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	5.10 Acres	28 T/A	176-51-0 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	51 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	26 #/A	0 #/A		
									banded w/planter	30 #/A	25 #/A	0 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Ives	V2 2023 [M]	52 Small grain for silage,P-based 28 29 3 4 6 91 228	5.10 Acres	9.0 T/A	100-25-0 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	25 #/A	0 #/A		0.0 t/A
									brdct bef. seeding	20 #/A	25 #/A	0 #/A		
									tpdrs @ green-up	80 #/A	0 #/A	0 #/A		
Ives	V3 2023 [M]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	1.80 Acres	4.0 T/A	200-59-48 #/A	0 #/A	5 #/A	0 #/A	Total	195 #/A	59 #/A	48 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	59 #/A	48 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Ives	V4 2023 [M]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	4.20 Acres	4.0 T/A	200-59-48 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	59 #/A	48 #/A		0.0 t/A
									tpdrs @ green-up	50 #/A	59 #/A	48 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	0 #/A	0 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Ives	V5 2023 [M]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	10.50 Acres	4.0 T/A	200-110-110 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	110 #/A	110 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	55 #/A	55 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	55 #/A	55 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		
Ives	V6, V7, V8 2023 [M]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	16.20 Acres	4.0 T/A	200-110-110 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	110 #/A	110 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	55 #/A	55 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	55 #/A	55 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		
Ives	V9 2023 [M]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 7 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	11.80 Acres	4.0 T/A	200-94-92 #/A	0 #/A	10 #/A	0 #/A	Total	190 #/A	94 #/A	92 #/A		0.7 t/A
									tpdrs@ green-up	40 #/A	47 #/A	46 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	47 #/A	46 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Linden	Lin1 2023 [M]	5 Corn silage, conservation till 7 28 29 1 2 3 4 27 60 92 93	8.40 Acres	28 T/A	176-119-118 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	119 #/A	118 #/A		1.0 t/A
									broadcast	30 #/A	79 #/A	78 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		
Linden	Lin2 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	7.50 Acres	4.0 T/A	200-98-0 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	98 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	49 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	49 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Perdue	MAP Past 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	14.20 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P1 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	10.20 Acres	28 T/A	176-44-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	44 #/A	0 #/A		0.0 t/A
									broadcast	0 #/A	0 #/A	0 #/A		
									banded w/planter	30 #/A	44 #/A	0 #/A		
									sidedress	146 #/A	0 #/A	0 #/A		
Perdue	P1 2023	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	10.20 Acres	90 Bu/A 40 Bu/A	90-37-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	37 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	37 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Perdue	P2 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	5.90 Acres	28 T/A	176-78-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	78 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	39 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P2 2023	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	5.90 Acres	90 Bu/A 40 Bu/A	90-94-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	94 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	94 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Perdue	P3 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	8.40 Acres	28 T/A	176-78-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	78 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	39 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Perdue	P3 2023	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	8.40 Acres	90 Bu/A 40 Bu/A	90-94-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	94 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	94 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P4 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	9.50 Acres	28 T/A	176-82-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	82 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	42 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Perdue	P4 2023	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	9.50 Acres	90 Bu/A 40 Bu/A	90-104-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	104 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	104 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Pocock	PC1 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	50.00 Acres	190 Bu/A	190-112-51 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	112 #/A	51 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	25 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC1f 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	18.40 Acres	190 Bu/A	190-112-51 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	112 #/A	51 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	25 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC2 2023 [*]	10 Soybeans 7 3 4	19.00 Acres	60 Bu/A	0-123-60 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	123 #/A	60 #/A		0.7 t/A
									brdcst/band @plntg	0 #/A	123 #/A	60 #/A		
Pocock	PC4A 2023	10 Soybeans 3 4	5.50 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC4A 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	5.50 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC4B 2023	10 Soybeans 3 4	6.30 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		
Pocock	PC4B 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	6.30 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC4C 2023	10 Soybeans 3 4	6.00 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		
Pocock	PC4C 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	6.00 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC5A 2023	10 Soybeans 3 4	4.40 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC5A 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	4.40 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC5B 2023	10 Soybeans 3 4	7.30 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		
Pocock	PC5B 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	7.30 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC5C 2023	10 Soybeans 3 4	5.00 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		
Pocock	PC5C 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	5.00 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC6 2023	10 Soybeans 3 4	10.00 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC6 2023 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	10.00 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC_Past 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	38.10 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Sterrett	27 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	4.20 Acres	28 T/A	176-45-0 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	45 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	23 #/A	0 #/A		
									banded w/planter	30 #/A	22 #/A	0 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Swift	SW1 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	10.80 Acres	28 T/A	176-79-82 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	79 #/A	82 #/A		0.0 t/A
									broadcast	30 #/A	40 #/A	42 #/A		
									banded w/planter	30 #/A	39 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Swift	SW2 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	8.80 Acres	28 T/A	176-90-117 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	90 #/A	117 #/A		0.0 t/A
									broadcast	30 #/A	50 #/A	77 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Swift	SW3 2023 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	14.00 Acres	28 T/A	176-50-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	50 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	25 #/A	0 #/A		
									banded w/planter	30 #/A	25 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Swift	Swift P 2023 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	13.00 Acres	3.0 T/A	150-45-0 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	0 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	0 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Voss	Voss1 2023 [*]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 4 6 53 60 70 71 88 89 92 93 184 185 186	15.40 Acres	4.0 T/A	200-86-36 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	86 #/A	36 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	43 #/A	36 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	43 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Voss	Voss3 2023 [*]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 7 4 6 53 60 70 71 88 89 92 93 184 185 186	3.30 Acres	4.0 T/A	200-59-118 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	59 #/A	118 #/A		1.5 t/A
									tpdrs@ green-up	50 #/A	59 #/A	59 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	59 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2023					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Wagenfuehr	W1 2023 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	10.70 Acres	28 T/A	176-94-0 #/A	0 #/A	10 #/A	0 #/A	Total	166 #/A	94 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	54 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	106 #/A	0 #/A	0 #/A		
Wagenfuehr	W1 2023	25 Wheat 28 29 3 4 41 44 142	10.70 Acres	90 Bu/A	90-99-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	99 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	99 #/A	0 #/A		
									tpdrs @ Feekes 5-6	- 45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

2024 Fields and Fertilizer Recommendations

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2024			
Street Address		4030 Houcks Road				Tier - Phase		N/A - N/A			
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		9-12-2023			
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past - Legume N Credit	Nutrient Source				
							Manure/Sludge Field History				
							Last Year		2 Years Ago		
							Type	Rate	Type	Rate	
Clifford	CL3	5.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Clifford	CL4	16.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A			
Clifford	CL5	7.80 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Clifford	CL6	11.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Clifford	CL7	11.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Clifford	CL8	0.70 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0					
Kirby	KB1	11.30 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A	
Linden	Lin3	11.50 Acres	Orchardgrass; Maint.	4.0	Cons tillage, res 30-70%	0					
Linden	Lin4	32.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A	
Linden	Lin5	12.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A	
McComas Road	Mc1	4.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0					
Pierce	MP1	14.50 Acres	Corn silage, conservation till	28	No-till, res > 70%	40	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Riepe	R2A	5.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A			
Riepe	R2B	12.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A			

2024

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2024		
Street Address		4030 Houcks Road				Tier - Phase		N/A - N/A		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		9-12-2023		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	- Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Riepe	R2C	10.50 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A		
Riepe	R3	4.40 Acres	Alf. & Alf. Grass mix, more than 25% Alf; Maint.	7.0	Cons tillage, res 30-70%	0				
Riepe	Rpasture	18.00 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Breidenbaugh Ct	1	9.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Bures	26	5.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Grimmel	1	13.10 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0			Dairy L	7500.0 gal/A
Grimmel	2	8.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Grimmel	3	18.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Grimmel	4	17.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Grimmel	5	6.20 Acres	Orchardgrss; Maint.	4.0	No-till, res > 70%	0				
Hammerstein	70	36.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Hanlon	HL1	15.90 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Hanlon	HL2	3.70 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Hanlon	HL3	11.30 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				

2024

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2024			
Street Address		4030 Houcks Road				Tier - Phase		N/A - N/A			
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		9-12-2023			
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source				
							Manure/Sludge Field History				
							Last Year		2 Years Ago		
							Type	Rate	Type	Rate	
Hanna	14	53.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy S Dairy L	12.0 tons/A 7500.0 gal/A			
Hanna	15	7.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy S Dairy L	12.0 tons/A 7500.0 gal/A	Dairy L Dairy S	7500.0 gal/A 12.0 tons/A	
Hanna	15A	7.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy S Dairy L	12.0 tons/A 7500.0 gal/A	Dairy L Dairy S	7500.0 gal/A 12.0 tons/A	
Hanna	Past	30.20 Acres	Orchardgrss; Maint.	3.0	Cons tillage, res 30-70%	0					
Ives	V1	22.00 Acres	Small grain for silage,P-based	9.0	Cons tillage, res 30-70%	0					
Ives	V2	5.10 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A	
Ives	V3	1.80 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0					
Ives	V4	4.20 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V5	10.50 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V6, V7, V8	16.20 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V9	11.80 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V10	6.00 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V11	5.00 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	
Ives	V12	9.10 Acres	Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint.	7.0	No-till, res > 70%	0			Dairy L	7500.0 gal/A	

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2024		
Street Address		4030 Houcks Road				Tier - Phase		N/A - N/A		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		9-12-2023		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
							Type	Rate	Type	Rate
Linden	Lin1	8.40 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L	7500.0 gal/A
Linden	Lin2	7.50 Acres	Orchardgrss; Maint.	4.0	Cons tillage, res 30-70%	0				
Perdue	MAP Past	14.20 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Perdue	P1	10.20 Acres	Wheat/Double Crop Soybeans	90 - 40	Cons tillage, res 30-70%	0				
Perdue	P2	5.90 Acres	Wheat/Double Crop Soybeans	90 - 40	Cons tillage, res 30-70%	0				
Perdue	P3	8.40 Acres	Wheat/Double Crop Soybeans	90 - 40	Cons tillage, res 30-70%	0				
Perdue	P4	9.50 Acres	Wheat/Double Crop Soybeans	90 - 40	Cons tillage, res 30-70%	0				
Pocock	PC1	50.00 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC1f	18.40 Acres	Corn grain, conservation till	190	Cons tillage, res 30-70%	0				
Pocock	PC2	19.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4A	5.50 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4B	6.30 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC4C	6.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC5A	4.40 Acres	Soybeans	60	Cons tillage, res 30-70%	0				

Field Information Sheet

Farmer/Operator		My Ladys Manor, Inc.				Plan Year		2024		
Street Address		4030 Houcks Road				Tier - Phase		N/A - N/A		
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared		9-12-2023		
Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source			
							Manure/Sludge Field History			
							Last Year		2 Years Ago	
Type	Rate	Type	Rate							
Pocock	PC5B	7.30 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC5C	5.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC6	10.00 Acres	Soybeans	60	Cons tillage, res 30-70%	0				
Pocock	PC_Past	38.10 Acres	Orchardgrss; Maint.	3.0	Cons tillage, res 30-70%	0				
Sterrett	27	4.20 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0	Dairy L	7500.0 gal/A	Dairy L 7500.0 gal/A	
Swift	SW1	10.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Swift	SW2	8.80 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Swift	SW3	14.00 Acres	Corn silage, conservation till	28	Cons tillage, res 30-70%	0				
Swift	Swift P	13.00 Acres	Orchardgrss; Maint.	3.0	No-till, res > 70%	0				
Voss	Voss1	15.40 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Voss	Voss3	3.30 Acres	Fescue; Maint (NOT accumulated for late fall/winter grazing)	4.0	No-till, res > 70%	0				
Wagenfuehr	W1	10.70 Acres	Corn silage, conservation till	28	No-till, res > 70%	0	Dairy L	7500.0 gal/A	Dairy L 7500.0 gal/A	
Wilson	1	40.00 Acres	Corn grain, conservation till	200	Cons tillage, res 30-70%	0				
Wilson	2	34.50 Acres	Soybeans with P or K based manure application	60	Cons tillage, res 30-70%	0				

Field Information Sheet

Farmer/Operator	My Ladys Manor, Inc.	Plan Year	2024
Street Address	4030 Houcks Road	Tier - Phase	N/A - N/A
City, State, Zip, County	Monkton, MD 21111 Harford	Date Plan Prepared	9-12-2023

Tract No. / Farm Name	Field No.	Area	Crops	Yield Goal	Tillage Method	Past Legume N Credit	Nutrient Source						
							Manure/Sludge Field History						
							Last Year		2 Years Ago				
		Type	Rate	Type	Rate								
Wilson	3	14.80 Acres	Corn grain, conservation till	200	Cons tillage, res 30-70%	0							
Wilson	4	13.10 Acres	Corn grain, conservation till	200	Cons tillage, res 30-70%	0							
Wilson	5	15.10 Acres	Soybeans with P or K based manure application	60	Cons tillage, res 30-70%	0							

2024

Fertilizer Recommendations

Fertilizer Recommendations														
Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2024					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Axelsson	Ax1 2024	2 Corn grain, conservation till 1 2 3 27 60 92 93	14.30 Acres	190 Bu/A	190-94-53 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	94 #/A	53 #/A		0.0 t/A
									broadcast	30 #/A	54 #/A	27 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Axelsson	Ax1 2024 [*]	10 Soybeans 3 4	14.30 Acres	60 Bu/A	0-110-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	110 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	110 #/A	56 #/A		
Bunting	BT1 2024 [M]	74 Orchardgrss; Maint. 7 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	12.70 Acres	4.0 T/A	200-118-76 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	118 #/A	76 #/A		0.9 t/A
									tpdrs @ green-up	50 #/A	59 #/A	38 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	59 #/A	38 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2024					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Bunting	BT2 2024 [M]	74 Orchardgrss; Maint. 7 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	11.60 Acres	4.0 T/A	200-86-55 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	86 #/A	55 #/A		0.9 t/A
									tpdrs@ green-up	50 #/A	43 #/A	28 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	43 #/A	27 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		
Bunting	BT3 2024 [M]	74 Orchardgrss; Maint. 28 29 4 6 53 60 70 71 88 89 92 93 184 185 186	2.60 Acres	4.0 T/A	200-0-102 #/A	0 #/A	15 #/A	0 #/A	Total	185 #/A	0 #/A	102 #/A		0.0 t/A
									tpdrs@ green-up	50 #/A	0 #/A	51 #/A		
									tpdrs post hvst#1	45 #/A	0 #/A	0 #/A		
									tpdrs late summer	45 #/A	0 #/A	51 #/A		
									tpdrs late fall	45 #/A	0 #/A	0 #/A		
Clifford	CL1 2024 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	5.60 Acres	190 Bu/A	190-88-79 #/A	0 #/A	15 #/A	0 #/A	Total	175 #/A	88 #/A	79 #/A		0.0 t/A
									broadcast	30 #/A	48 #/A	40 #/A		
									banded w/planter	30 #/A	40 #/A	39 #/A		
									sidedress	115 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2024					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Clifford 2024 [M]	CL2	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	6.50 Acres	190 Bu/A	190-88-79 #/A	0 #/A	5 #/A	0 #/A	Total	185 #/A	88 #/A	79 #/A		0.0 t/A
									broadcast	30 #/A	48 #/A	40 #/A		
									banded w/planter	30 #/A	40 #/A	39 #/A		
									sidedress	125 #/A	0 #/A	0 #/A		
Clifford 2024 [M]	CL3	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	5.40 Acres	190 Bu/A	190-88-79 #/A	0 #/A	15 #/A	0 #/A	Total	175 #/A	88 #/A	79 #/A		0.0 t/A
									broadcast	30 #/A	48 #/A	40 #/A		
									banded w/planter	30 #/A	40 #/A	39 #/A		
									sidedress	115 #/A	0 #/A	0 #/A		
Clifford 2024 [M]	CL4	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	16.00 Acres	190 Bu/A	190-106-0 #/A	0 #/A	10 #/A	0 #/A	Total	180 #/A	106 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	120 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2024					
Street Address		4030 Houcks Road				Tier - Phase			N/A - N/A					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			9-12-2023					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Clifford	CL5 2024 [M]	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	7.80 Acres	190 Bu/A	190-90-46 #/A	0 #/A	15 #/A	0 #/A	Total	175 #/A	90 #/A	46 #/A		0.7 t/A
									broadcast	30 #/A	50 #/A	23 #/A		
									banded w/planter	30 #/A	40 #/A	23 #/A		
									sidedress	115 #/A	0 #/A	0 #/A		
Clifford	CL6 2024 [M]	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	11.00 Acres	190 Bu/A	190-90-46 #/A	0 #/A	15 #/A	0 #/A	Total	175 #/A	90 #/A	46 #/A		0.7 t/A
									broadcast	30 #/A	50 #/A	23 #/A		
									banded w/planter	30 #/A	40 #/A	23 #/A		
									sidedress	115 #/A	0 #/A	0 #/A		
Clifford	CL7 2024 [M]	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	11.50 Acres	190 Bu/A	190-106-0 #/A	0 #/A	15 #/A	0 #/A	Total	175 #/A	106 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	0 #/A		
									banded w/planter	30 #/A	40 #/A	0 #/A		
									sidedress	115 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P1 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	10.20 Acres	28 T/A	176-46-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	46 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	23 #/A	0 #/A		
									banded w/planter	30 #/A	23 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Perdue	P1 2025	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	10.20 Acres	90 Bu/A 40 Bu/A	90-44-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	44 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	44 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Perdue	P2 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	5.90 Acres	28 T/A	176-52-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	52 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	26 #/A	0 #/A		
									banded w/planter	30 #/A	26 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P2 2025	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	5.90 Acres	90 Bu/A 40 Bu/A	90-73-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	73 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	73 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Perdue	P3 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	8.40 Acres	28 T/A	176-52-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	52 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	26 #/A	0 #/A		
									banded w/planter	30 #/A	26 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Perdue	P3 2025	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	8.40 Acres	90 Bu/A 40 Bu/A	90-73-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	73 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	73 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Perdue	P4 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	9.50 Acres	28 T/A	176-48-0 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	48 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	24 #/A	0 #/A		
									banded w/planter	30 #/A	24 #/A	0 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Perdue	P4 2025	15 Wheat/Double Crop Soybeans 3 4 30 41 44 142	9.50 Acres	90 Bu/A 40 Bu/A	90-56-0 #/A	0 #/A	0 #/A	0 #/A	Total	90 #/A	56 #/A	0 #/A		0.0 t/A
									tpdrs @ green-up	45 #/A	56 #/A	0 #/A		
									tpdrs @ Feekes 5-6	45 #/A	0 #/A	0 #/A		
Pocock	PC1 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	50.00 Acres	190 Bu/A	190-112-51 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	112 #/A	51 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	25 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC1f 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	18.40 Acres	190 Bu/A	190-112-51 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	112 #/A	51 #/A		0.0 t/A
									broadcast	30 #/A	72 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	25 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC2 2025 [*]	10 Soybeans 7 3 4	19.00 Acres	60 Bu/A	0-123-60 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	123 #/A	60 #/A		0.7 t/A
									brdcst/band @plntg	0 #/A	123 #/A	60 #/A		
Pocock	PC4A 2025 [*]	10 Soybeans 3 4	5.50 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC4A 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	5.50 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC4B 2025 [*]	10 Soybeans 3 4	6.30 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		
Pocock	PC4B 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	6.30 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC4C 2025 [*]	10 Soybeans 3 4	6.00 Acres	60 Bu/A	0-92-0 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	92 #/A	0 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	92 #/A	0 #/A		
Pocock	PC4C 2025	2 Corn grain, conservation till 1 2 3 27 60 92 93	6.00 Acres	190 Bu/A	190-77-0 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	77 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	39 #/A	0 #/A		
									banded w/planter	30 #/A	38 #/A	0 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC5A 2025	10 Soybeans 3 4	4.40 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC5A 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	4.40 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC5B 2025	10 Soybeans 3 4	7.30 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		
Pocock	PC5B 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	7.30 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC5C 2025	10 Soybeans 3 4	5.00 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		
Pocock	PC5C 2025 [*]	2 Corn grain, conservation till 1 2 3 27 60 92 93	5.00 Acres	190 Bu/A	190-106-52 #/A	0 #/A	0 #/A	0 #/A	Total	190 #/A	106 #/A	52 #/A		0.0 t/A
									broadcast	30 #/A	66 #/A	26 #/A		
									banded w/planter	30 #/A	40 #/A	26 #/A		
									sidedress	130 #/A	0 #/A	0 #/A		
Pocock	PC6 2025 [*]	10 Soybeans 3 4	10.00 Acres	60 Bu/A	0-116-56 #/A	0 #/A	0 #/A	0 #/A	Total	0 #/A	116 #/A	56 #/A		0.0 t/A
									brdcst/band @plntg	0 #/A	116 #/A	56 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Pocock	PC_Past 2025 [*]	74 Orchardgrss; Maint. 7 4 6 53 60 70 71 88 89 92 93 184 185 186	38.10 Acres	3.0 T/A	150-90-36 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	90 #/A	36 #/A		0.7 t/A
									tpdrs@ green-up	0 #/A	45 #/A	36 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	45 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Sterrett	27 2025 [M]	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	4.20 Acres	9.0 T/A	120-54-0 #/A	0 #/A	5 #/A	0 #/A	Total	115 #/A	54 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	27 #/A	0 #/A		
									banded w/planter	30 #/A	27 #/A	0 #/A		
									sidedress	55 #/A	0 #/A	0 #/A		
Sterrett	27 2025	260 Small grain for silage 28 29 3 4 6 228	4.20 Acres	9.0 T/A	100-48-0 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	48 #/A	0 #/A		0.0 t/A
									brdcst bef. seeding	20 #/A	48 #/A	0 #/A		
									tpdrs@ green-up	80 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Swift	SW1 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	10.80 Acres	28 T/A	176-103-122 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	103 #/A	122 #/A		0.0 t/A
									broadcast	30 #/A	63 #/A	82 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Swift	SW2 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	8.80 Acres	28 T/A	176-103-122 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	103 #/A	122 #/A		0.0 t/A
									broadcast	30 #/A	63 #/A	82 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		
Swift	SW3 2025 [*]	5 Corn silage, conservation till 1 2 3 4 27 60 92 93	14.00 Acres	28 T/A	176-103-122 #/A	0 #/A	0 #/A	0 #/A	Total	176 #/A	103 #/A	122 #/A		0.0 t/A
									broadcast	30 #/A	63 #/A	82 #/A		
									banded w/planter	30 #/A	40 #/A	40 #/A		
									sidedress	116 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Swift	Swift P 2025 [*]	74 Orchardgrss; Maint. 4 6 53 60 70 71 88 89 92 93 184 185 186	13.00 Acres	3.0 T/A	150-45-37 #/A	0 #/A	0 #/A	0 #/A	Total	150 #/A	45 #/A	37 #/A		0.0 t/A
									tpdrs@ green-up	0 #/A	45 #/A	37 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	0 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Voss	Voss1 2025 [*]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 7 4 6 53 60 70 71 88 89 92 93 184 185 186	15.40 Acres	4.0 T/A	200-59-118 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	59 #/A	118 #/A		1.5 t/A
									tpdrs@ green-up	50 #/A	59 #/A	59 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	59 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		
Voss	Voss3 2025 [*]	75 Fescue; Maint (NOT accumulated for late fall/winter grazing) 7 4 6 53 60 70 71 88 89 92 93 184 185 186	3.30 Acres	4.0 T/A	200-59-118 #/A	0 #/A	0 #/A	0 #/A	Total	200 #/A	59 #/A	118 #/A		1.5 t/A
									tpdrs@ green-up	50 #/A	59 #/A	59 #/A		
									tpdrs post hvst#1	50 #/A	0 #/A	0 #/A		
									tpdrs late summer	50 #/A	0 #/A	59 #/A		
									tpdrs late fall	50 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Fertilizer Recommendations

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025					
Street Address		4030 Houcks Road				MDA operator no.			4127					
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025					
Tract No. / Farm Name	Field No.	Crops & Note Numbers	Area	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Fertilizer To Be Applied					Lime
						Leg.	Man.	Slu.	Method	N	P2O5	K2O	Mg	
Wagenfuhr	W1 2025	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	10.70 Acres	9.0 T/A	120-75-0 #/A	0 #/A	5 #/A	0 #/A	Total	115 #/A	75 #/A	0 #/A		0.0 t/A
									broadcast	30 #/A	38 #/A	0 #/A		
									banded w/planter	30 #/A	37 #/A	0 #/A		
									sidedress	55 #/A	0 #/A	0 #/A		
Wagenfuhr	W1 2025 [M]	260 Small grain for silage 28 29 3 4 6 228	10.70 Acres	9.0 T/A	100-65-0 #/A	0 #/A	0 #/A	0 #/A	Total	100 #/A	65 #/A	0 #/A		0.0 t/A
									brdcst bef. seeding	20 #/A	65 #/A	0 #/A		
									tpdrs@ green-up	80 #/A	0 #/A	0 #/A		

[*] - indicates primary recommendation used for the PMT calculation.

Summary of Recommendations

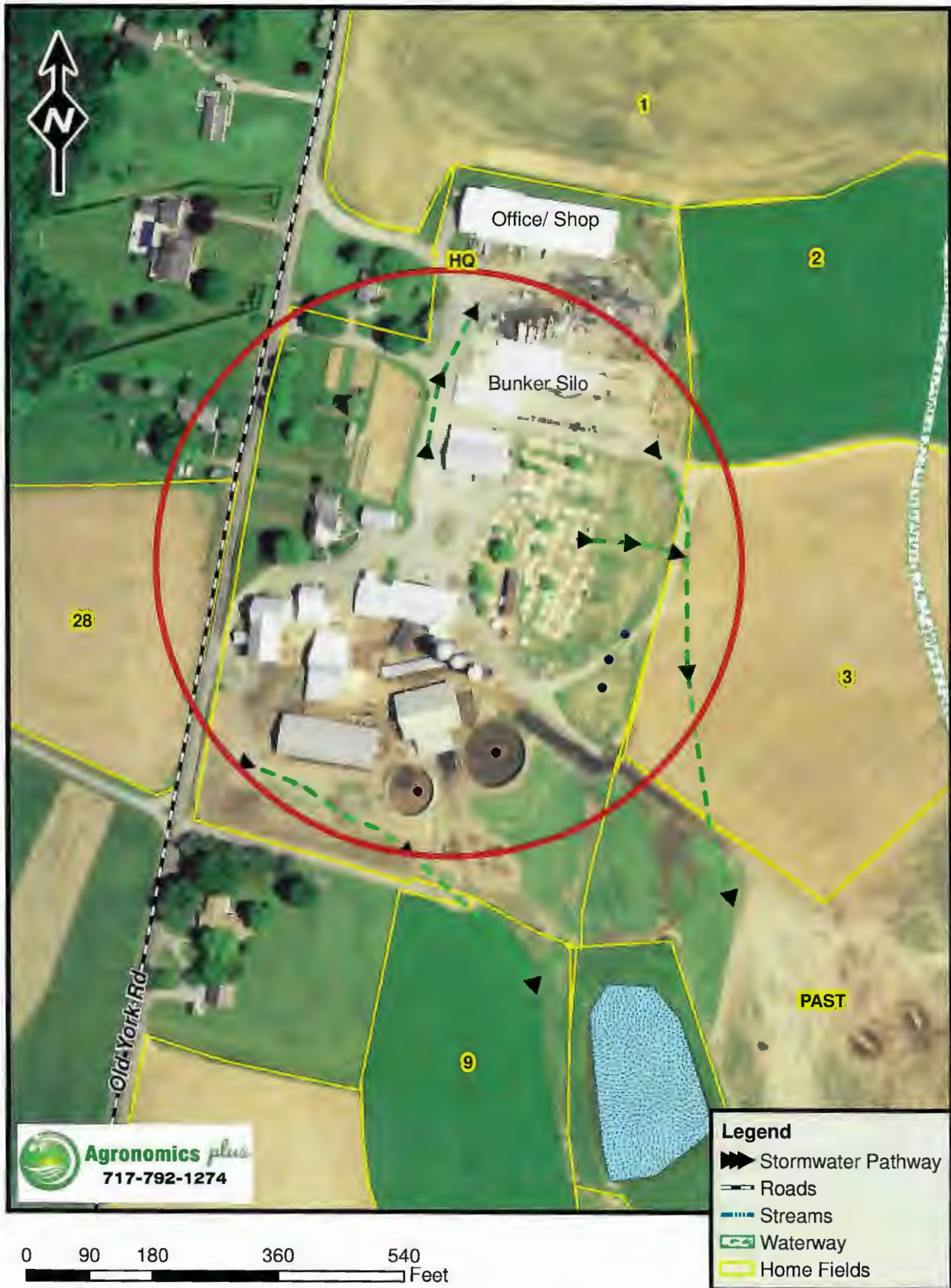
Farm Maps, Soil Test Lab Sheet, and Manure/Fertilizer Recommendations

My Lady's Manor Home Farm



My Lady's Manor

Dairy Farm - Surface Water Direction of Flow



My Lady's Manor

Bures and Sterrett Properties



0 212.5 425 850 1,275 Feet


Account ID #: [REDACTED]

Legend

- Sterrett Field
- Bures Field
- Roads
- Streams

My Lady's Manor Hammerstein Property



 **Agronomics plus**
717-792-1274

0 200 400 800 1,200
Feet

Legend
— Hammer Fields
- - - Roads
- - - Streams
- - - Waterway
- - - Roads

Report Number: 24-057-1194

Account Number: 27164



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Grower: MLMF
My Lady's Manor Farm

Farm: Home

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	08747	3.3 M	MIN	107	30 L MD = 35			115 M MD = 73	215 VH MD = 166	742 M MD = 67	15 VL	6.7		0.3	6.2
2	08748	3.7 M	MIN	112	58 H MD = 65			146 H MD = 93	274 VH MD = 211	1203 M MD = 125	13 VL	7.0		0.0	8.7
3-6	08749	4.2 M	MIN	121	130 VH MD = 144			130 H MD = 82	229 H MD = 176	1308 H MD = 138	12 VL	7.2		0.0	8.8
26	08750	3.9 M	MIN	116	51 H MD = 58			185 VH MD = 118	250 VH MD = 192	1138 M MD = 117	14 VL	7.2		0.0	8.3
27	08751	3.9 M	MIN	118	23 L MD = 27			257 VH MD = 165	241 VH MD = 186	844 M MD = 80	17 VL	7.2		0.0	7.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
1	4.8	28.9	59.8	1.1	4.8		22 M	5.9 H	91 VH	119 VH	2.5 H	0.7 M	
2	4.3	26.2	69.1	0.6	0.0		13 L	7.6 H	89 VH	174 VH	3.2 VH	1.6 H	
3-6	3.8	21.7	74.3	0.6	0.0		14 L	11.1 VH	68 VH	273 VH	4.1 VH	0.9 M	
26	5.7	25.1	68.6	0.7	0.0		14 L	7.1 H	134 VH	166 VH	3.2 VH	0.8 M	
27	9.4	28.7	60.3	1.1	0.0		19 M	4.3 H	94 VH	118 VH	1.8 H	0.5 L	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

Report Number: 24-057-1194

Account Number: 27164



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Grower: MLMF
My Lady's Manor Farm

Farm: Home

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
28	08752	3.5 M		109	74 H MD = 83			337 VH MD = 217	251 VH MD = 193	993 M MD = 99	16 VL	7.0		0.0	8.0
70	08753	3.4 M		108	21 L MD = 25			158 VH MD = 101	245 VH MD = 189	856 M MD = 81	25 VL	7.2		0.0	6.8
Old Home	08754	3.3 M		109	14 L MD = 18			101 M MD = 64	166 VH MD = 129	629 M MD = 53	11 VL	6.5		0.4	5.2
Tower 1	08755	3.9 M		118	35 M MD = 40			151 H MD = 96	224 VH MD = 173	920 M MD = 89	12 VL	7.0		0.0	6.9
Tower 2	08756	3.8 M		115	35 M MD = 40			98 M MD = 62	219 H MD = 169	1151 H MD = 118	11 VL	7.1		0.0	7.9

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
28	10.8	26.1	62.1	0.9	0.0		15 L	7.0 H	82 VH	167 VH	2.5 H	0.8 M	
70	6.0	30.0	62.9	1.6	0.0		14 L	3.5 H	82 VH	104 VH	1.5 M	0.7 M	
Old Home	5.0	26.6	60.5	0.9	7.7		12 L	2.2 L	76 VH	95 VH	1.2 M	0.3 VL	
Tower 1	5.6	27.1	66.7	0.8	0.0		15 L	5.7 H	125 VH	133 VH	2.7 H	0.8 M	
Tower 2	3.2	23.1	72.8	0.6	0.0		11 L	5.5 H	131 VH	129 VH	3.0 H	2.7 VH	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor Wagenfuehr



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0 112.5 225 450 675
Feet

Account ID #s [REDACTED]

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Grower: MLMF
My Lady's Manor Farm

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
Mc1-Mccomas	08766	3.0 M	MIN	103	9 VL MD = 12			60 L MD = 37	133 H MD = 104	418 L MD = 26	10 VL	5.4	6.80	1.3	4.7
Troyer 1	08767	3.2 M	MIN	106	14 L MD = 18			163 VH MD = 104	202 VH MD = 156	616 M MD = 51	14 VL	6.7		0.2	5.4
MAP	08769	4.1 M	MIN	123	19 L MD = 23			186 VH MD = 119	214 VH MD = 165	743 M MD = 67	20 VL	7.1		0.0	6.1
Ax1	08770	2.8 M	MIN	98	11 VL MD = 14			114 M MD = 72	175 VH MD = 136	694 M MD = 61	9 VL	6.4		0.5	5.8
D Hay Mark D	08771	3.6 M	MIN	115	28 L MD = 33			51 L MD = 31	133 H MD = 104	572 M MD = 45	13 VL	6.0	6.85	0.8	5.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
Mc1-Mccomas	3.3	23.6	44.5	0.9	27.7		21 M	1.5 L	85 VH	127 VH	1.4 M	0.2 VL	
Troyer 1	7.7	31.2	57.0	1.1	3.7		12 L	7.1 H	53 VH	92 VH	1.4 M	0.3 VL	
MAP	7.8	29.2	60.9	1.4	0.0		13 L	4.2 H	102 VH	106 VH	1.9 H	0.5 L	
Ax1	5.0	25.1	59.8	0.7	8.6		10 L	2.2 L	68 VH	122 VH	1.1 M	0.3 VL	
D Hay Mark D	2.6	22.2	57.2	1.1	16.0		9 VL	2.2 L	50 H	170 VH	1.5 M	0.2 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

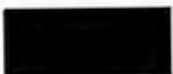
My Lady's Manor Hanna Farm



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- Legend**
-  Access Road
 -  Roads
 -  Streams
 -  Fields
 -  Pond

0 225 450 900 1,350
Feet

Account ID #s: 

Report Number: 24-057-1190

Account Number: 27164



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 My Lady's Manor Farm

Farm: Hanna

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
14	08726	3.4 M	MIN	108	43 M MD = 49			90 M MD = 56	212 VH MD = 164	951 M MD = 93	14 VL	6.8		0.2	7.0
15	08727	4.8 M	MIN	137	29 L MD = 34			118 M MD = 75	207 VH MD = 160	894 M MD = 86	11 VL	6.9		0.1	6.6

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
14	3.3	25.2	67.9	0.9	2.9		15 L	6.0 H	94 VH	148 VH	2.7 H	0.6 M	
15	4.6	26.1	67.7	0.7	1.5		11 L	5.3 H	91 VH	109 VH	2.3 H	0.6 M	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor

Axelsson Property



0 315 630 1,260 1,890 Feet

Account ID # [REDACTED]

- Legend**
- Axelsson Field
 - - - Roads
 - - - Roads
 - Streams

My Lady's Manor

Breidenbaugh Court (Yohn)



0 225 450 900 1,350 Feet

Account ID #s



Report Number: 24-057-1197

Account Number: 27164



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SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
Mc1-Mccomas	08766	3.0 M		103	9 VL MD = 12			60 L MD = 37	133 H MD = 104	418 L MD = 26	10 VL	5.4	6.80	1.3	4.7
Troyer 1	08767	3.2 M		106	14 L MD = 18			163 VH MD = 104	202 VH MD = 156	616 M MD = 51	14 VL	6.7		0.2	5.4
MAP	08769	4.1 M		123	19 L MD = 23			186 VH MD = 119	214 VH MD = 165	743 M MD = 67	20 VL	7.1		0.0	6.1
Ax1	08770	2.8 M		98	11 VL MD = 14			114 M MD = 72	175 VH MD = 136	694 M MD = 61	9 VL	6.4		0.5	5.8
D Hay Mark D	08771	3.6 M		115	28 L MD = 33			51 L MD = 31	133 H MD = 104	572 M MD = 45	13 VL	6.0	6.85	0.8	5.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
Mc1-Mccomas	3.3	23.6	44.5	0.9	27.7		21 M	1.5 L	85 VH	127 VH	1.4 M	0.2 VL	
Troyer 1	7.7	31.2	57.0	1.1	3.7		12 L	7.1 H	53 VH	92 VH	1.4 M	0.3 VL	
MAP	7.8	29.2	60.9	1.4	0.0		13 L	4.2 H	102 VH	106 VH	1.9 H	0.5 L	
Ax1	5.0	25.1	59.8	0.7	8.6		10 L	2.2 L	68 VH	122 VH	1.1 M	0.3 VL	
D Hay Mark D	2.6	22.2	57.2	1.1	16.0		9 VL	2.2 L	50 H	170 VH	1.5 M	0.2 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor

Clifford & Pierce Farms



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0 330 660 1,320 1,980
Feet

Legend
Fields
Streams
Waterway
Roads

Report Number: 24-057-1195

Account Number: 27164



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My Lady's Manor Farm

Farm: CP

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
CL123	08758	4.1 M	MIN	123	9 VL MD = 12			112 M MD = 71	228 VH MD = 176	720 M MD = 64	16 VL	6.8		0.2	6.1
CL4	08759	4.3 M	MIN	127	15 L MD = 19			162 VH MD = 103	225 VH MD = 173	795 M MD = 74	15 VL	6.7		0.3	6.6
CL5	08760	3.5 M	MIN	112	10 VL MD = 13			162 VH MD = 103	185 VH MD = 143	686 M MD = 60	10 VL	6.4		0.5	5.9
CL6	08761	3.5 M	MIN	112	20 L MD = 24			170 VH MD = 108	162 H MD = 126	647 M MD = 55	9 VL	6.4		0.5	5.6
MP1	08762	3.4 M	MIN	109	12 VL MD = 16			210 VH MD = 134	229 VH MD = 176	703 M MD = 62	16 VL	6.5		0.5	6.5

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
CL123	4.7	31.1	59.0	1.1	3.3		12 L	1.7 L	75 VH	117 VH	1.2 M	0.5 L	
CL4	6.3	28.4	60.2	1.0	4.5		13 L	4.3 H	68 VH	128 VH	1.2 M	0.4 L	
CL5	7.0	26.1	58.1	0.7	8.5		10 L	3.0 M	55 VH	111 VH	1.8 H	0.4 L	
CL6	7.8	24.1	57.8	0.7	8.9		11 L	2.5 M	28 H	128 VH	0.9 M	0.3 VL	
MP1	8.3	29.4	54.1	1.1	7.7		12 L	4.9 H	74 VH	105 VH	1.4 M	0.8 M	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

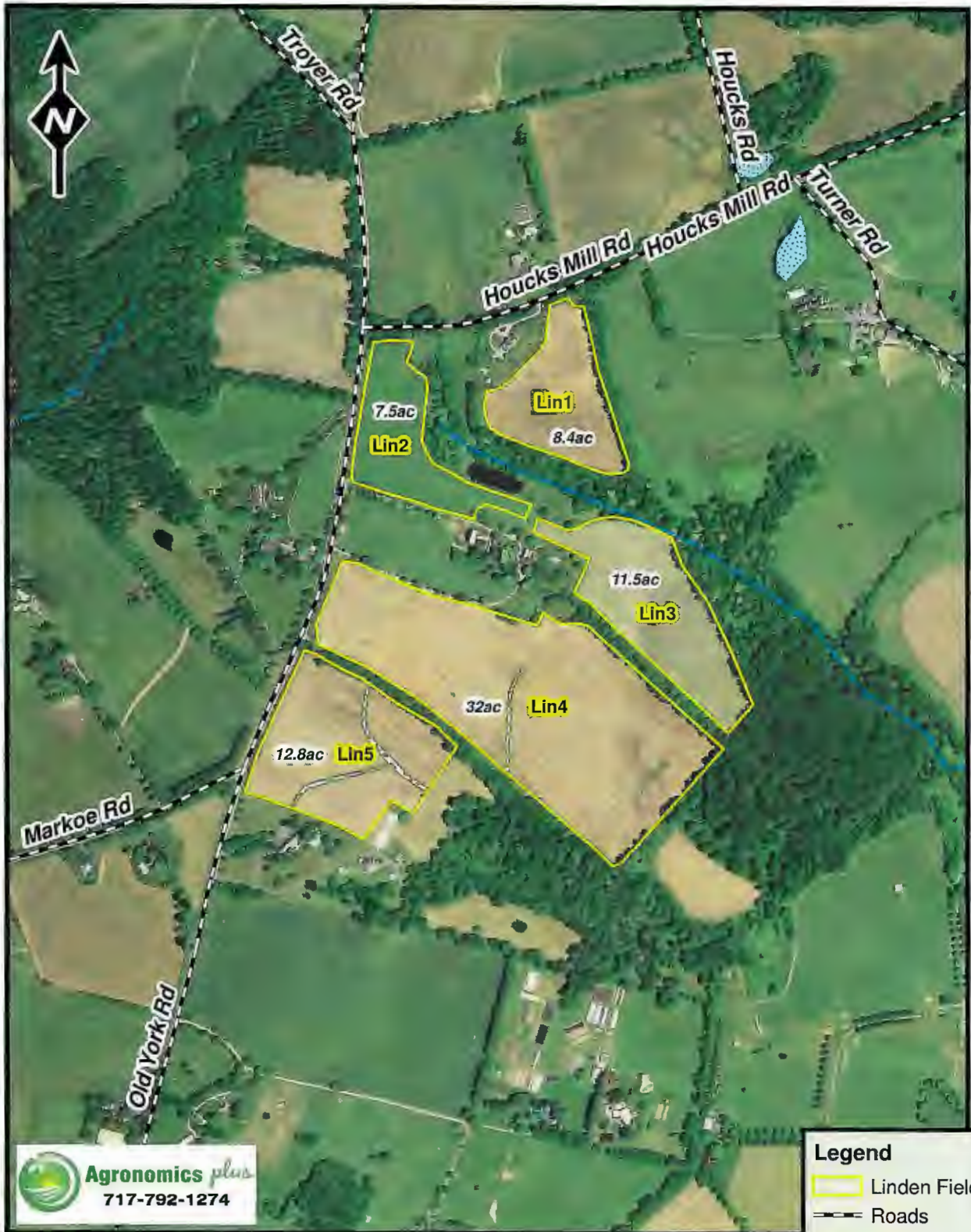
This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor Linden Farm



0 250 500 1,000 1,500
Feet

Account ID #s: [REDACTED]

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 15 of 19
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Lab No: 00443

Field:

Sample ID: Lin 1 & 3

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity				
			Very Low	Low	Medium	Optimum	Very High	%sat	meq			
Soil pH	1:1	6.8							5.6 meq/100g			
Buffer pH									%Saturation			
Phosphorus (P)	M3	18 ppm								K	3.4	0.2
Potassium (K)	M3	75 ppm								Ca	64.9	3.6
Calcium (Ca)	M3	727 ppm								Mg	21.6	1.2
Magnesium (Mg)	M3	145 ppm								H	10.7	0.6
Sulfur (S)									K/Mg Ratio: 0.15 <input type="checkbox"/>			
Boron (B)									Ca/Mg Ratio: 3.00 <input type="checkbox"/>			
Copper (Cu)												
Iron (Fe)												
Manganese (Mn)												
Zinc (Zn)												
Sodium (Na)												
Soluble Salts												
Organic Matter												
Estimated N Release												
Nitrate Nitrogen												

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe

Crop :

Rec Units:

--	--	--	--	--	--	--	--	--	--	--	--	--

Comments :

"Every acre...Every year®"

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 14 of 19
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Lab No: 00442

Field:

Sample ID: G HayLin2

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity		
			Very Low	Low	Medium	Optimum	Very High	%sat	meq	
Soil pH	1:1	5.9						5.7 meq/100g		
Buffer pH	BPH	6.20						%Saturation		
Phosphorus (P)	M3	14 ppm								
Potassium (K)	M3	42 ppm						K	1.9	0.1
Calcium (Ca)	M3	635 ppm						Ca	55.7	3.2
Magnesium (Mg)	M3	98 ppm						Mg	14.3	0.8
Sulfur (S)								H	28.1	1.6
Boron (B)								K/Mg Ratio: 0.13		
Copper (Cu)								Ca/Mg Ratio: 3.90		
Iron (Fe)										
Manganese (Mn)										
Zinc (Zn)										
Sodium (Na)										
Soluble Salts										
Organic Matter										
Estimated N Release										
Nitrate Nitrogen										

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
Crop :												
Rec Units:												

Comments :

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 4 of 19
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Lab No: 00431

Field:

Sample ID: Lin 4 & 5

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	1:1	6.4						6.6 meq/100g
Buffer pH	BPH	6.34						%Saturation
Phosphorus (P)	M3	25 ppm						%sat meq
Potassium (K)	M3	65 ppm						K 2.5 0.2
Calcium (Ca)	M3	738 ppm						Ca 55.9 3.7
Magnesium (Mg)	M3	204 ppm						Mg 25.8 1.7
Sulfur (S)								H 15.2 1.0
Boron (B)								
Copper (Cu)								
Iron (Fe)								K/Mg Ratio: 0.09
Manganese (Mn)								Ca/Mg Ratio: 2.17
Zinc (Zn)								
Sodium (Na)								
Soluble Salts								
Organic Matter								
Estimated N Release								
Nitrate Nitrogen								

SOIL FERTILITY GUIDELINES

Prev Crop : Corn

Crop : Soybeans

Yield Goal : 60 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
2000		1	0	66	117	0						
Crop :												Rec Units:

Comments :

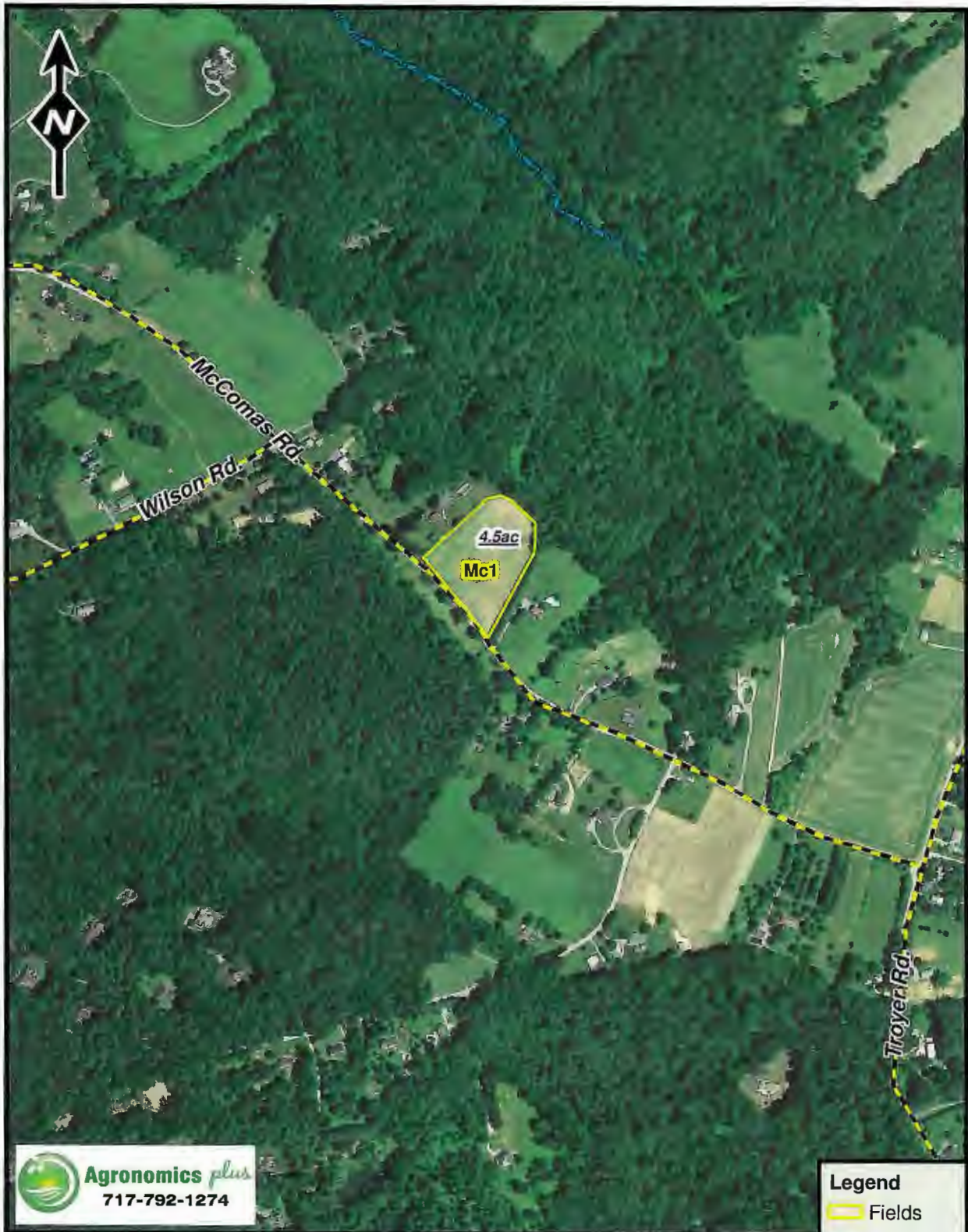
Soybeans


Limestone application is targeted to bring soil pH to 6.5.

- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.
- For soybeans on soils with a pH of 6.2 or less, apply limestone as recommended and plant seed treated with molybdenum. Apply 1-2 oz of sodium molybdate (0.4-0.8 oz of elemental molybdenum) per acre as a seed treatment.

My Lady's Manor

McComas Property



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0 305 610 1,220 1,830
Feet

Legend
Fields
Streams
Waterway
Roads

Report Number: 24-057-1197

Account Number: 27164



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White Hall MD 21161

Grower: MLMF
My Lady's Manor Farm

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
Mc1-Mccomas	08766	3.0 M		103	9 VL MD = 12			60 L MD = 37	133 H MD = 104	418 L MD = 26	10 VL	5.4	6.80	1.3	4.7
Troyer 1	08767	3.2 M		106	14 L MD = 18			163 VH MD = 104	202 VH MD = 156	616 M MD = 51	14 VL	6.7		0.2	5.4
MAP	08769	4.1 M		123	19 L MD = 23			186 VH MD = 119	214 VH MD = 165	743 M MD = 67	20 VL	7.1		0.0	6.1
Ax1	08770	2.8 M		98	11 VL MD = 14			114 M MD = 72	175 VH MD = 136	694 M MD = 61	9 VL	6.4		0.5	5.8
D Hay Mark D	08771	3.6 M		115	28 L MD = 33			51 L MD = 31	133 H MD = 104	572 M MD = 45	13 VL	6.0	6.85	0.8	5.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
Mc1-Mccomas	3.3	23.6	44.5	0.9	27.7		21 M	1.5 L	85 VH	127 VH	1.4 M	0.2 VL	
Troyer 1	7.7	31.2	57.0	1.1	3.7		12 L	7.1 H	53 VH	92 VH	1.4 M	0.3 VL	
MAP	7.8	29.2	60.9	1.4	0.0		13 L	4.2 H	102 VH	106 VH	1.9 H	0.5 L	
Ax1	5.0	25.1	59.8	0.7	8.6		10 L	2.2 L	68 VH	122 VH	1.1 M	0.3 VL	
D Hay Mark D	2.6	22.2	57.2	1.1	16.0		9 VL	2.2 L	50 H	170 VH	1.5 M	0.2 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson







My Lady's Manor Grimmel



 **Agronomics plus**
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0 150 300 600 900
Feet

Acct ID [REDACTED]

- Legend**
-  Grimmel Fields
 -  Grassed Waterway
 -  Roads
 -  Streams
 -  35' Setback_No Fert or Manure
 -  Pond

Report Number: 24-057-1192

Account Number: 27164



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Grower: MLMF
My Lady's Manor Farm

Farm: Grimmel

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	08733	3.1 M	MIN	103	20 L MD = 24			80 L MD = 50	225 VH MD = 173	887 M MD = 85	10 VL	7.0		0.0	6.6
2	08734	3.3 M	MIN	106	21 L MD = 25			144 H MD = 91	261 VH MD = 201	855 M MD = 81	15 VL	7.1		0.0	6.9
3	08736	3.8 M	MIN	116	36 M MD = 42			145 H MD = 92	207 VH MD = 160	797 M MD = 74	12 VL	6.3	6.86	0.7	6.8
4	08737	3.8 M	MIN	118	30 L MD = 35			170 VH MD = 108	190 VH MD = 147	652 M MD = 56	19 VL	6.8		0.2	5.6

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
1	3.1	28.4	67.2	0.7	0.0		11 L	2.4 M	103 VH	112 VH	1.1 M	0.3 VL	
2	5.4	31.5	62.0	0.9	0.0		10 L	2.5 M	54 VH	110 VH	1.3 M	0.3 VL	
3	5.5	25.4	58.6	0.8	10.3		14 L	5.6 H	73 VH	144 VH	1.4 M	0.3 VL	
4	7.8	28.3	58.2	1.5	3.6		11 L	6.6 H	84 VH	113 VH	1.3 M	0.3 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

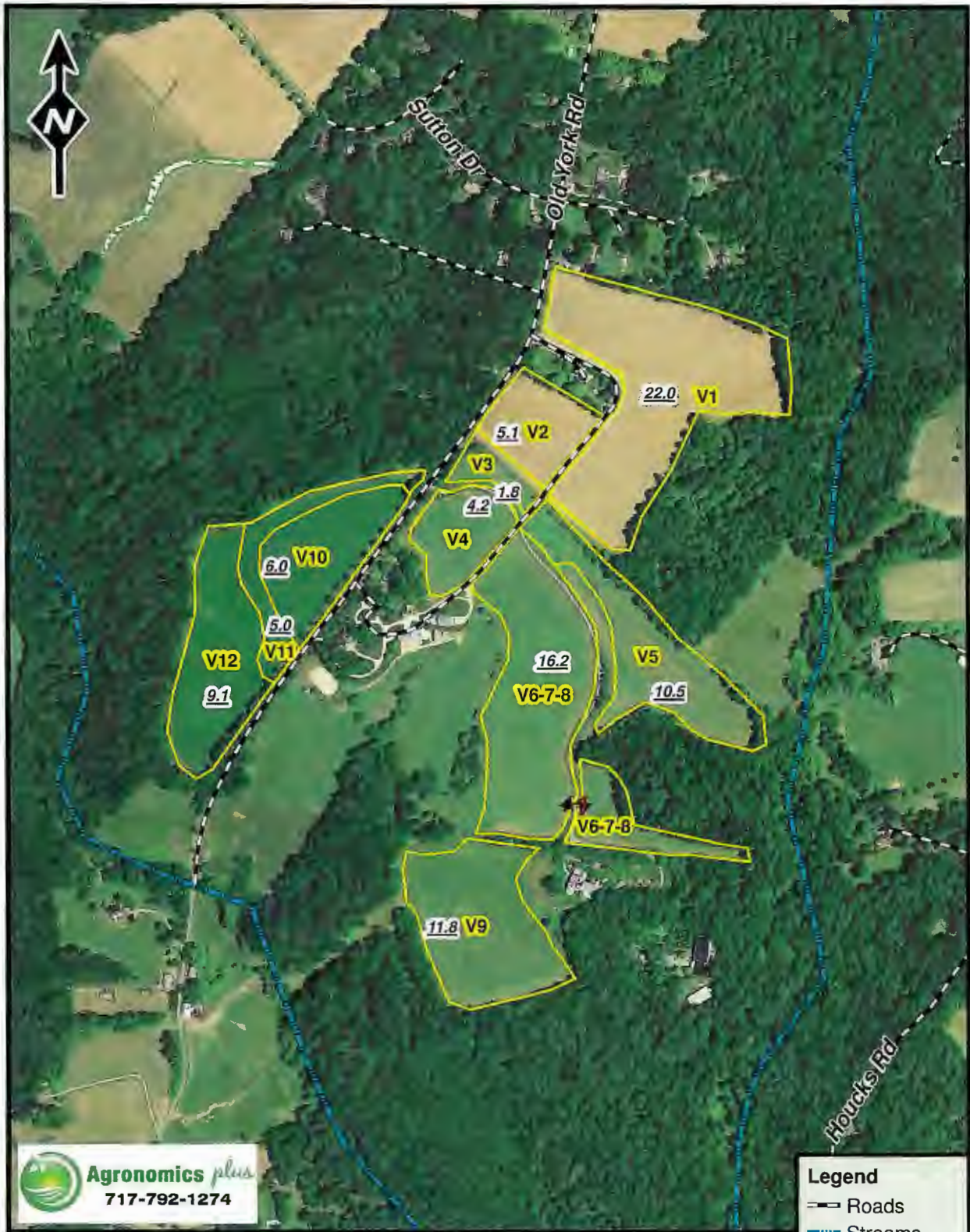
Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor

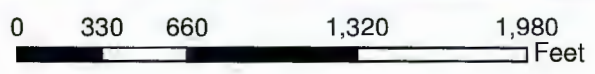
Ives & Turtle Gate



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Legend

- Roads
- Streams
- Waterway
- Home Fields



Report Number: 24-057-1191

Account Number: 27164



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Grower: MLMF
My Lady's Manor Farm

Farm: Ives

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
V1	08728	3.4 M	MIN	109	39 M MD = 45			178 VH MD = 114	234 VH MD = 180	834 M MD = 78	16 VL	7.1		0.0	6.6
V6-8	08729	4.6 M	MIN	134	12 VL MD = 16			76 L MD = 47	188 VH MD = 145	696 M MD = 61	12 VL	6.6		0.3	5.6
V5	08730	3.5 M	MIN	111	22 L MD = 26			94 M MD = 59	212 VH MD = 164	881 M MD = 84	12 VL	6.9		0.1	6.6
V9	08731	3.5 M	MIN	112	11 VL MD = 14			62 L MD = 38	159 VH MD = 123	628 M MD = 53	12 VL	6.3		0.6	5.3
V10-12	08732	3.2 M	MIN	106	15 L MD = 19			75 L MD = 47	177 VH MD = 137	705 M MD = 62	12 VL	6.5		0.4	5.6

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
V1	6.9	29.5	63.2	1.1	0.0		12 L	4.9 H	112 VH	131 VH	2.9 H	0.6 M	
V6-8	3.5	28.0	62.1	0.9	5.4		8 VL	2.0 L	113 VH	104 VH	1.6 H	0.6 M	
V5	3.7	26.8	66.7	0.8	1.5		9 VL	3.0 M	103 VH	104 VH	2.0 H	0.6 M	
V9	3.0	25.0	59.2	1.0	11.3		9 VL	2.1 L	87 VH	98 VH	1.5 M	0.3 VL	
V10-12	3.4	26.3	62.9	0.9	7.1		9 VL	3.9 H	76 VH	104 VH	2.1 H	0.8 M	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor

Perdue Farm



0 155 310 620 930 Feet

Account ID #



Report Number: 24-057-1196

Account Number: 27164



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Grower: MLMF
My Lady's Manor Farm

Farm: Perdue

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
P1	08763	3.6 M	MIN	111	73 H MD = 82			262 VH MD = 168	254 VH MD = 195	873 M MD = 83	21 VL	6.7		0.3	7.5
P2-3	08764	4.0 M	MIN	119	53 H MD = 60			242 VH MD = 155	253 VH MD = 195	872 M MD = 83	27 VL	6.8		0.2	7.4
P4	08765	3.8 M	MIN	116	65 H MD = 73			224 VH MD = 143	222 VH MD = 171	806 M MD = 75	23 VL	6.7		0.3	6.9

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
P1	9.0	28.2	58.2	1.2	4.0		14 L	5.4 H	43 H	205 VH	2.1 H	0.5 L			
P2-3	8.4	28.5	58.9	1.6	2.7		14 L	7.0 H	41 H	203 VH	2.1 H	0.5 L			
P4	8.3	26.8	58.4	1.4	4.3		11 L	6.6 H	40 H	184 VH	2.1 H	0.5 L			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

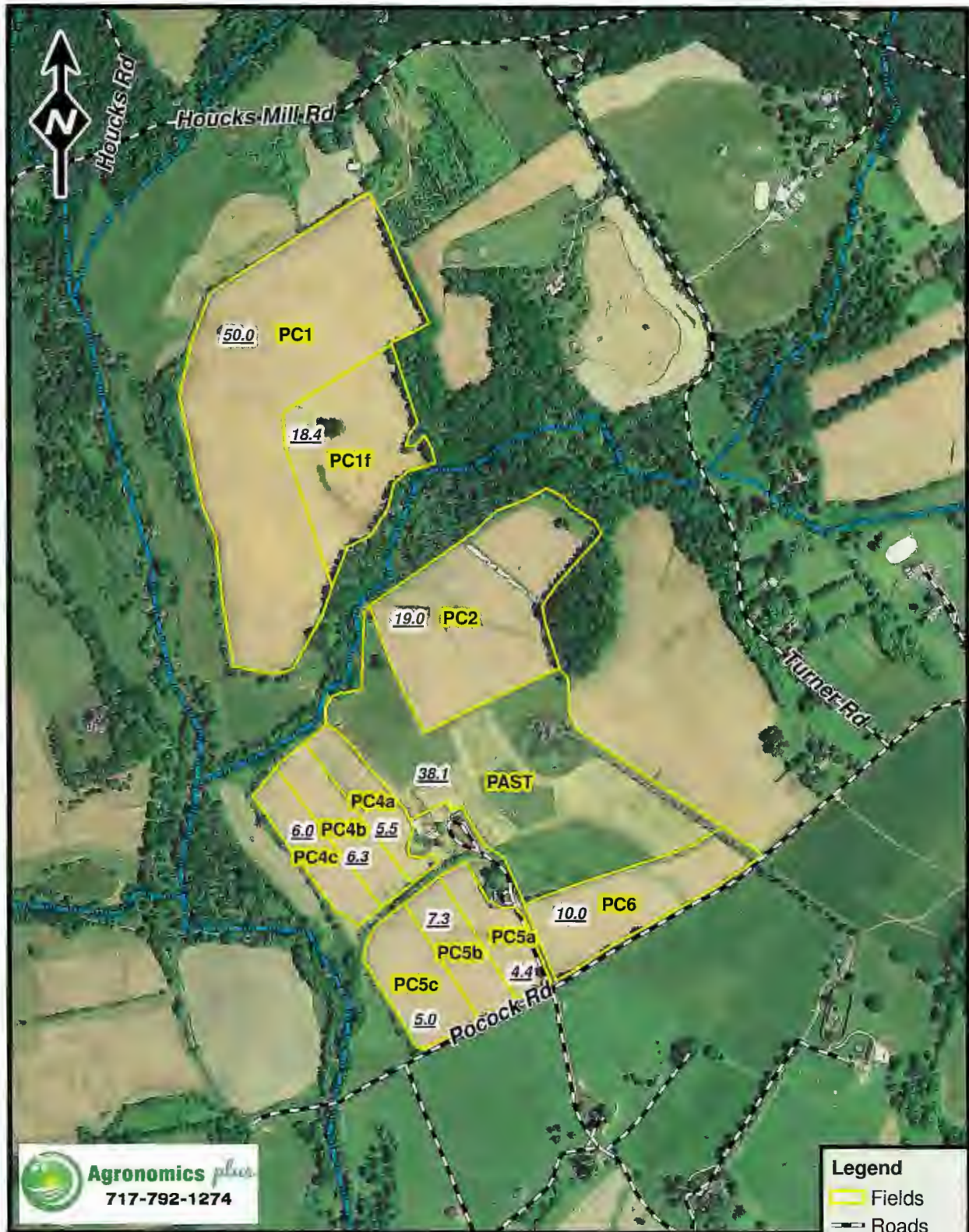
Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

My Lady's Manor

Pocock Farm



0 400 800 1,600 2,400
Feet

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 7 of 19
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Lab No: 00434

Field:

Sample ID: PC1

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity		
			Very Low	Low	Medium	Optimum	Very High	%sat	meq	
Soil pH	1:1	6.6						8.1 meq/100g		
Buffer pH								%Saturation		
Phosphorus (P)	M3	15 ppm						K	4.3	0.4
Potassium (K)	M3	137 ppm						Ca	64.8	5.3
Calcium (Ca)	M3	1050 ppm						Mg	20.7	1.7
Magnesium (Mg)	M3	201 ppm						H	9.9	0.8
Sulfur (S)								K/Mg Ratio: 0.20		
Boron (B)								Ca/Mg Ratio: 3.13		
Copper (Cu)										
Iron (Fe)										
Manganese (Mn)										
Zinc (Zn)										
Sodium (Na)										
Soluble Salts										
Organic Matter										
Estimated N Release										
Nitrate Nitrogen										

SOIL FERTILITY GUIDELINES

Prev Crop : Soybeans

Crop : Corn

Yield Goal : 225 bu/acre

Rec Units:

LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
0		0	275	122	92	0						
Crop :												Rec Units:

Comments :

Corn

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P2O5/Acre.
- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.

"Every acre...Every year"

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 8 of 19
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Lab No: 00435

Field:

Sample ID: PC2

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity	
			Vary Low	Low	Medium	Optimum	Very High	%sat	meq
Soil pH	1:1	6.3						7.7 meq/100g	
Buffer pH	BPH	6.31						%Saturation	
Phosphorus (P)	M3	13 ppm						K 3.9 0.3	
Potassium (K)	M3	118 ppm						Ca 59.7 4.6	
Calcium (Ca)	M3	920 ppm						Mg 20.2 1.6	
Magnesium (Mg)	M3	187 ppm						H 15.6 1.1	
Sulfur (S)								K/Mg Ratio: 0.19	
Boron (B)								Ca/Mg Ratio: 2.96	
Copper (Cu)									
Iron (Fe)									
Manganese (Mn)									
Zinc (Zn)									
Sodium (Na)									
Soluble Salts									
Organic Matter									
Estimated N Release									
Nitrate Nitrogen									

SOIL FERTILITY GUIDELINES Prev Crop : Soybeans

Crop : Corn

Yield Goal : 225 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
2000		1	275	126	105	0						
Crop :												Rec Units:

Comments :

Corn

Limestone application is targeted to bring soil pH to 6.5.

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P2O5/Acre.
- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.



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SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 9 of 19
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Lab No: 00436

Field:

Sample ID: PC3

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity	
			Very Low	Low	Medium	Optimum	Very High	meq/100g	%Sat
Soil pH	1:1	6.4						7.7 meq/100g	
Buffer pH	BPH	6.34						%Saturation	
Phosphorus (P)	M3	33 ppm						%sat	meq
Potassium (K)	M3	198 ppm						K	6.6 0.5
Calcium (Ca)	M3	907 ppm						Ca	58.9 4.5
Magnesium (Mg)	M3	197 ppm						Mg	21.3 1.6
Sulfur (S)								H	13.0 1.0
Boron (B)									
Copper (Cu)									
Iron (Fe)								K/Mg Ratio: 0.30	
Manganese (Mn)								Ca/Mg Ratio: 2.77	
Zinc (Zn)									
Sodium (Na)									
Soluble Salts									
Organic Matter									
Estimated N Release									
Nitrate Nitrogen									

SOIL FERTILITY GUIDELINES

Prev Crop : Soybeans

Crop : Corn

Yield Goal : 225 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
2000		1	275	94	40	0						

Crop :

Rec Units:

--	--	--	--	--	--	--	--	--	--	--	--	--

Comments :

Corn

Limestone application is targeted to bring soil pH to 6.5.

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P2O5/Acre.
- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 10 of 19
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Lab No: 00438

Field:

Sample ID: PC4

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity		
			Very Low	Low	Medium	Optimum	Very High	%sat	meq	
Soil pH	1:1	6.6						6.9 meq/100g		
Buffer pH								%Saturation		
Phosphorus (P)	M3	17 ppm						K	5.0	0.3
Potassium (K)	M3	134 ppm						Ca	57.4	4.0
Calcium (Ca)	M3	792 ppm						Mg	25.7	1.8
Magnesium (Mg)	M3	213 ppm						H	11.6	0.8
Sulfur (S)								K/Mg Ratio: 0.19		
Boron (B)								Ca/Mg Ratio: 2.23		
Copper (Cu)										
Iron (Fe)										
Manganese (Mn)										
Zinc (Zn)										
Sodium (Na)										
Soluble Salts										
Organic Matter										
Estimated N Release										
Nitrate Nitrogen										

SOIL FERTILITY GUIDELINES Prev Crop : Soybeans

Crop : Corn Yield Goal : 225 bu/acre Rec Units: LB/ACRE

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
0		0	275	118	94	0						
Crop :												Rec Units:

Comments :

Corn

- Greater N efficiency for corn may be achieved by splitting the N application. Apply 1/4 to 1/3 of the N prior to or at planting and the remainder as sidedress when corn is 8-24 inches high.
- For early planted corn or no till corn, apply a starter fertilizer at least 2 inches from the seed at a rate of 10-20 lbs N/Acre and 30-60 lbs P2O5/Acre.
- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.

My Lady's Manor

Riepe, Bunting, Kirby, and Hanlon



0 385 770 1,540 2,310 Feet

- Legend**
- Roads
 - Streams
 - Waterway
 - Home Fields

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Grower: MLMF
 My Lady's Manor Farm

Farm: Riepe

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
BT1	08738	3.6 M		113	10 VL MD = 13			74 L MD = 46	179 H MD = 139	834 M MD = 78	10 VL	6.9		0.1	6.0
BT2	08739	5.4 H		149	13 VL MD = 17			87 L MD = 55	179 H MD = 139	799 M MD = 74	14 VL	6.5		0.5	6.3
HL23	08740	4.1 M		121	24 L MD = 29			277 VH MD = 178	246 VH MD = 189	963 M MD = 95	18 VL	7.0		0.0	7.7
HL1	08741	5.0 H		139	22 L MD = 26			270 VH MD = 173	257 VH MD = 198	950 M MD = 93	18 VL	7.0		0.0	7.7
KB1	08742	3.1 M		102	23 L MD = 27			164 VH MD = 104	240 VH MD = 185	870 M MD = 83	14 VL	6.9		0.1	6.9

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
BT1	3.2	24.9	69.5	0.7	1.7		8 VL	4.0 H	71 VH	96 VH	1.2 M	0.4 L	
BT2	3.5	23.7	63.4	1.0	7.9		8 VL	9.5 VH	48 H	108 VH	0.9 M	0.5 L	
HL23	9.2	26.6	62.5	1.0	0.0		12 L	7.0 H	79 VH	108 VH	1.8 H	0.7 M	
HL1	9.0	27.8	61.7	1.0	0.0		12 L	5.7 H	97 VH	113 VH	1.8 H	0.5 L	
KB1	6.1	29.0	63.0	0.9	1.4		11 L	4.8 H	117 VH	158 VH	2.3 H	0.6 M	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

Report Number: 24-057-1193

Account Number: 27164



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Farm: Riepe

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
R2A	08743	4.7 M	MIN	134	22 L MD = 26			136 H MD = 86	262 VH MD = 201	948 M MD = 93	14 VL	7.0		0.0	7.3
R2B	08744	4.3 M	MIN	126	24 L MD = 29			247 VH MD = 158	239 VH MD = 184	875 M MD = 84	27 VL	7.0		0.0	7.1
R2C	08745	5.0 H	MIN	139	16 L MD = 20			122 M MD = 77	247 VH MD = 190	910 M MD = 88	12 VL	6.6		0.4	7.4

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
R2A	4.8	29.9	64.9	0.8	0.0		11 L	4.1 H	96 VH	115 VH	1.6 H	0.7 M			
R2B	8.9	28.1	61.6	1.7	0.0		12 L	4.9 H	71 VH	100 VH	1.3 M	0.8 M			
R2C	4.2	27.8	61.5	0.7	5.4		10 L	3.6 H	80 VH	107 VH	1.6 H	1.1 M			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson


My Lady's Manor Swift Farm



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0 170 340 680 1,020
Feet



Legend	
	Roads
	Streams
	Swift Fields
	Waterway
	Pond
	Property Line

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 5 of 19
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Lab No: 00432

Field:

Sample ID: Swift

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity	
			Very Low	Low	Medium	Optimum	Very High	%sat	meq
Soil pH	1:1	7.0						5.4 meq/100g	
Buffer pH								%Saturation	
Phosphorus (P)	M3	18 ppm						%sat meq	
Potassium (K)	M3	99 ppm						K 4.7 0.3	
Calcium (Ca)	M3	671 ppm						Ca 62.1 3.4	
Magnesium (Mg)	M3	211 ppm						Mg 32.6 1.8	
Sulfur (S)								H 0.0 0.0	
Boron (B)								K/Mg Ratio: 0.14	
Copper (Cu)								Ca/Mg Ratio: 1.90	
Iron (Fe)									
Manganese (Mn)									
Zinc (Zn)									
Sodium (Na)									
Soluble Salts									
Organic Matter									
Estimated N Release									
Nitrate Nitrogen									

SOIL FERTILITY GUIDELINES

Prev Crop : Corn

Crop : Soybeans

Yield Goal : 60 bu/acre

Rec Units: LB/ACRE

(lbs)	LIME (tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
0	0	0	80	98	0						
Crop :											Rec Units:

Comments :

Soybeans

- Fertilizer recommendations provided for minerals that appear in the "very high" or "VH" designation are meant as an end of season fertilizer application and do not need to be applied prior to planting.
- For soybeans on soils with a pH of 6.2 or less, apply limestone as recommended and plant seed treated with molybdenum. Apply 1-2 oz of sodium molybdate (0.4-0.8 oz of elemental molybdenum) per acre as a seed treatment.

My Lady's Manor Voss Property



SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 16 of 19
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Lab No: 00444

Field:

Sample ID: V Hay

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
			Very Low	Low	Medium	Optimum	Very High	
Soil pH	1:1	6.1						6.6 meq/100g
Buffer pH	BPH	6.25						%Saturation
Phosphorus (P)	M3	22 ppm						%sat meq
Potassium (K)	M3	38 ppm						K 1.5 0.1
Calcium (Ca)	M3	907 ppm						Ca 68.7 4.5
Magnesium (Mg)	M3	71 ppm						Mg 9.0 0.6
Sulfur (S)								H 21.2 1.4
Boron (B)								
Copper (Cu)								
Iron (Fe)								K/Mg Ratio: 0.16
Manganese (Mn)								Ca/Mg Ratio: 7.63
Zinc (Zn)								
Sodium (Na)								
Soluble Salts								
Organic Matter								
Estimated N Release								
Nitrate Nitrogen								

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe

Crop :

Rec Units:

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Comments :

SOIL ANALYSIS

Client : Risser Grain 1196 Holtwood Rd. Holtwood PA 17532	Grower : My Lady's Manor Farm	Report No: 21-361-0505 Cust No: 04454 Date Printed: 12/28/2023 Date Received : 12/27/2023 PO: Page : 18 of 19
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Lab No: 00446

Field:

Sample ID: V 3 4

Test	Method	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity		
			Very Low	Low	Medium	Optimum	Very High	%sat	meq	
Soil pH	1:1	7.2						6.0 meq/100g		
Buffer pH								%Saturation		
Phosphorus (P)	M3	21 ppm						K	3.7	0.2
Potassium (K)	M3	86 ppm						Ca	71.9	4.3
Calcium (Ca)	M3	863 ppm						Mg	23.6	1.4
Magnesium (Mg)	M3	170 ppm						H	0.0	0.0
Sulfur (S)								K/Mg Ratio: 0.15		
Boron (B)								Ca/Mg Ratio: 3.05		
Copper (Cu)										
Iron (Fe)										
Manganese (Mn)										
Zinc (Zn)										
Sodium (Na)										
Soluble Salts										
Organic Matter										
Estimated N Release										
Nitrate Nitrogen										

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe

Crop :

Rec Units:

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Comments :

My Lady's Manor Wilson



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0 315 630 1,260 1,890 Feet

Acct ID [Redacted]

Legend

- Wilson Fields
- Streams
- Baltimore County Roads
- Roads
- Streams
- 35' Setback_No Fert or Manure

Report Number: 24-057-1188

Account Number: 27164

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Grower: MLMF
My Lady's Manor Farm

Farm: Wilson

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	08712	3.4 M	 MIN	109	84 H MD = 94			154 VH MD = 98	140 H MD = 109	748 M MD = 68	10 VL	6.0	6.83	1.0	6.3
2	08714	4.1 M	 MIN	124	56 H MD = 63			113 M MD = 71	136 H MD = 106	676 M MD = 59	9 VL	5.9	6.83	1.0	5.8
3	08715	6.4 H	 MIN	150	70 H MD = 79			146 VH MD = 93	103 H MD = 81	574 M MD = 46	9 VL	6.2		0.6	4.7
4	08716	3.2 M	 MIN	105	80 H MD = 89			95 M MD = 60	145 H MD = 113	778 M MD = 71	10 VL	6.2		0.7	6.1
5	08717	6.0 H	 MIN	150	44 M MD = 50			137 H MD = 87	155 H MD = 120	699 M MD = 61	9 VL	6.1	6.85	0.8	6.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
1	6.3	18.5	59.4	0.7	15.9		13 L	27.5 VH	109 VH	145 VH	2.9 H	0.4 L	
2	5.0	19.5	58.3	0.7	17.2		16 M	19.4 VH	66 VH	151 VH	2.5 H	0.3 VL	
3	8.0	18.3	61.1	0.8	12.8		9 VL	17.1 VH	62 VH	129 VH	2.0 H	0.3 VL	
4	4.0	19.8	63.8	0.7	11.5		14 L	20.6 VH	79 VH	175 VH	3.3 VH	0.3 VL	
5	5.9	21.5	58.3	0.7	13.3		14 L	21.1 VH	79 VH	137 VH	2.5 H	0.3 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

Report Number: 24-057-1188

Account Number: 27164

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Grower: MLMF
My Lady's Manor Farm

Farm: Wilson

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 02/26/2024

Date Of Analysis: 02/27/2024

Date Of Report: 02/27/2024

MD = Maryland Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	08718	3.1 M		103	44 M MD = 50			152 VH MD = 97	133 H MD = 104	796 M MD = 74	8 VL	6.2		0.8	6.3

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
6	6.2	17.6	63.2	0.6	12.7		13 L	8.9 VH	97 VH	134 VH	2.6 H	0.4 L	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Brandi Watson*

Brandi Watson

Date Received: 02/26/2024

Date Of Report: 02/27/2024

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal bu	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
6	Corn	200	0.0	244	73	73	0	28	0	0	0	0	1.2

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Recommendations using Organic Nutrient Sources

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025						
Street Address		4030 Houcks Road				MDA operator no.			4127						
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025						
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Nutrient Sources to be Applied						
						Leg.	Man.	Slu.	Organic Nutrient Sources				Commercial Fertilizer N-P2O5-K2O	Lime	
									Type / Source	Min. Rate	Applic. Rate [Time Inc.]	Organic Waste Applic- Basis			Available N-P2O5-K2O
Clifford	CL1 2025 [*]	5.60 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 131- 64 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 11- 0 #/A	0.0 t/A
Clifford	CL2 2025 [*]	6.50 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 131- 64 #/A	20 #/A	15 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	94- 11- 0 #/A	0.0 t/A
Clifford	CL3 2025 [*]	5.40 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 131- 64 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 11- 0 #/A	0.0 t/A
Clifford	CL4 2025 [*]	16.00 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 112- 0 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 0- 0 #/A	0.0 t/A
Clifford	CL5 2025 [*]	7.80 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 128- 0 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 8- 0 #/A	0.0 t/A
Clifford	CL6 2025 [*]	11.00 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 97- 0 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 0- 0 #/A	0.0 t/A
Clifford	CL7 2025 [*]	11.50 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 112- 0 #/A	20 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	89- 0- 0 #/A	0.0 t/A
Kirby	KB1 2025 [*]	11.30 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	28 T/A	176- 94- 0 #/A	0 #/A	15 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	100- 0- 0 #/A	0.0 t/A
Pierce	MP1 2025 [*]	14.50 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	28 T/A	176- 122- 0 #/A	40 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [No Till]	Preset Rate	61- 120- 164 #/A	55- 2- 0 #/A	0.0 t/A

Recommendations using Organic Nutrient Sources

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025						
Street Address		4030 Houcks Road				MDA operator no.			4127						
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025						
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Nutrient Sources to be Applied						
						Leg.	Man.	Slu.	Organic Nutrient Sources				Commercial Fertilizer N-P2O5-K2O	Lime	
									Type / Source	Min. Rate	Applic. Rate [Time Inc.]	Organic Waste Applic- Basis			Available N-P2O5-K2O
Riepe	R2A 2025	5.40 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 94- 51 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	124- 0- 0 #/A	0.0 t/A
Riepe	R2B 2025 [*]	12.50 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 91- 0 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	124- 0- 0 #/A	0.0 t/A
Riepe	R3 2025	4.40 Acres	2 Corn grain, conservation till 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 82- 62 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	129- 0- 0 #/A	0.0 t/A
Wilson	6 2025 [*]	19.10 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	200 Bu/A	200- 66- 47 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	139- 0- 0 #/A	1.4 t/A
Wilson	1 2025	40.00 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	200 Bu/A	200- 39- 46 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	139- 0- 0 #/A	2.1 t/A
Wilson	2 2025	34.50 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	200 Bu/A	200- 45- 67 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	139- 0- 0 #/A	2.4 t/A
Wilson	3 2025	14.80 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	200 Bu/A	200- 42- 50 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	139- 0- 0 #/A	1.4 t/A
Wilson	4 2025	13.10 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	200 Bu/A	200- 40- 77 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	139- 0- 0 #/A	1.4 t/A
Wilson	5 2025	15.10 Acres	2 Corn grain, conservation till 7 28 29 1 2 3 27 60 92 93	190 Bu/A	190- 60- 51 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	129- 0- 0 #/A	1.7 t/A

Recommendations using Organic Nutrient Sources

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025						
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City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025						
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Nutrient Sources to be Applied						
						Leg.	Man.	Slu.	Organic Nutrient Sources				Commercial Fertilizer N-P2O5-K2O	Lime	
									Type / Source	Min. Rate	Applic. Rate [Time Inc.]	Organic Waste Applic- Basis			Available N-P2O5-K2O
Bures	26 2025 [*]	5.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 33- 0 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	54- 0- 0 #/A	0.0 t/A
Grimmel	1 2025	13.10 Acres	5 Corn silage, conservation till 28 1 2 3 4 27 60 92 93	28 T/A	176- 97- 136 #/A	0 #/A	0 #/A	0 #/A	(2) Dairy S	0.35	12.0 tons/A [> 72 hr]	Preset Rate	89- 209- 324 #/A	87- 0- 0 #/A	0.0 t/A
Grimmel	2 2025	8.20 Acres	5 Corn silage, conservation till 28 1 2 3 4 27 60 92 93	28 T/A	176- 94- 86 #/A	0 #/A	5 #/A	0 #/A	(2) Dairy S	0.35	12.0 tons/A [> 72 hr]	Preset Rate	89- 209- 324 #/A	82- 0- 0 #/A	0.0 t/A
Grimmel	3 2025	18.00 Acres	5 Corn silage, conservation till 7 28 1 2 3 4 27 60 92 93	28 T/A	176- 82- 86 #/A	0 #/A	5 #/A	0 #/A	(2) Dairy S	0.35	12.0 tons/A [> 72 hr]	Preset Rate	89- 209- 324 #/A	82- 0- 0 #/A	1.0 t/A
Grimmel	4 2024 [*]	17.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	28 T/A	176- 87- 0 #/A	0 #/A	15 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	100- 0- 0 #/A	0.0 t/A
Hammerstein	70 2025 [*]	36.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 54- 0 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	54- 0- 0 #/A	0.0 t/A
Hanna	14 2025 [*]	53.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 36- 73 #/A	0 #/A	25 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	34- 0- 0 #/A	0.0 t/A
Home	1 2025 [*]	18.00 Acres	4 Corn silage, conven. till. 28 29 1 2 3 27 60 92 93	28 T/A	176- 87- 109 #/A	0 #/A	35 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	80- 0- 0 #/A	0.0 t/A
Home	28 2025 [*]	6.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 25- 0 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	54- 0- 0 #/A	0.0 t/A

Recommendations using Organic Nutrient Sources

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025						
Street Address		4030 Houcks Road				MDA operator no.			4127						
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025						
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O	Nitrogen Credits			Nutrient Sources to be Applied						
						Leg.	Man.	Slu.	Organic Nutrient Sources				Commercial Fertilizer N-P2O5-K2O	Lime	
									Type / Source	Min. Rate	Applic. Rate [Time Inc.]	Organic Waste Applic- Basis			Available N-P2O5-K2O
Home	3 2025 [*]	11.40 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 0- 42 #/A	0 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	39- 0- 0 #/A	0.0 t/A
Home	6 2025 [*]	3.90 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 0- 42 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	59- 0- 0 #/A	0.0 t/A
Home	8 2025 [*]	20.20 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 0- 42 #/A	0 #/A	5 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	54- 0- 0 #/A	0.0 t/A
Home	9 2025 [*]	15.40 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	9.0 T/A	120- 43- 25 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	59- 0- 0 #/A	0.0 t/A
Ives	V1 2025 [*]	22.00 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	28 T/A	176- 79- 0 #/A	0 #/A	15 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	100- 0- 0 #/A	0.0 t/A
Ives	V10 2025 [*]	6.00 Acres	36 Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint. 7 28 29 4 18 38	7.0 T/A	245- 85- 357 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [No Till]	Preset Rate	61- 120- 164 #/A	0- 0- 193 #/A	0.8 t/A
Ives	V11 2025 [*]	5.00 Acres	36 Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint. 7 28 29 4 18 38	7.0 T/A	245- 85- 357 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A []	Preset Rate	61- 120- 164 #/A	0- 0- 193 #/A	0.8 t/A
Ives	V12 2025 [*]	9.10 Acres	36 Alf. & Alf.-Grass mix for Organ. Waste Util.; Maint. 7 28 29 4 18 38	7.0 T/A	245- 85- 357 #/A	0 #/A	0 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A []	Preset Rate	61- 120- 164 #/A	0- 0- 193 #/A	0.8 t/A
Ives	V2 2025 [*]	5.10 Acres	5 Corn silage, conservation till 28 29 1 2 3 4 27 60 92 93	28 T/A	176- 79- 0 #/A	0 #/A	20 #/A	0 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]	Preset Rate	61- 120- 164 #/A	95- 0- 0 #/A	0.0 t/A

Recommendations using Organic Nutrient Sources with Split Applications

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025							
Street Address		4030 Houcks Road				MDA operator no.			4127							
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025							
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O (Lbs./Acre)	Nitrogen Credits (lbs/A)			Nutrient Sources to be Applied						Com Fert N-P-K	Lime
						Leg.	Man.	Slu.	Method	N-P2O5-K2O	Organic Sources					
											Type / Source	Min. Rate	Applic. Rate [Days Inc.]	Organic Waste Applic- Basis		
Pierce	MP1 2025	14.50 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 69- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [No Till]			
Bures	26 2025	5.00 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 25- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Hammerstein	70 2025	36.00 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 49- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Hanna	14 2025	53.00 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 26- 25 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			

Recommendations using Organic Nutrient Sources with Split Applications

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025							
Street Address		4030 Houcks Road				MDA operator no.			4127							
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025							
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O (Lbs./Acre)	Nitrogen Credits (lbs/A)			Nutrient Sources to be Applied						Com Fert N-P-K	Lime
						Leg.	Man.	Slu.	Method	N-P2O5-K2O	Organic Sources					
											Type / Source	Min. Rate	Applic. Rate [Days Inc.]	Organic Waste Applic- Basis		
Home	28 2025	6.00 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 25- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Home	3 2025	11.40 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 0- 25 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Home	6 2025	3.90 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 0- 25 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Home	8 2025	20.20 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 0- 25 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			

Recommendations using Organic Nutrient Sources with Split Applications

Farmer/Operator		My Ladys Manor, Inc.				Plan Year			2025							
Street Address		4030 Houcks Road				MDA operator no.			4127							
City, State, Zip, County		Monkton, MD 21111 Harford				Date Plan Prepared			2-9-2025							
Tract No. / Farm Name	Field No.	Area	Crops & Note Numbers	Yield Goal	Plant Nutrients Needed N-P2O5-K2O (Lbs./Acre)	Nitrogen Credits (lbs/A)			Nutrient Sources to be Applied						Com Fert N-P-K	Lime
						Leg.	Man.	Slu.	Method	N-P2O5-K2O	Organic Sources					
											Type / Source	Min. Rate	Applic. Rate [Days Inc.]	Organic Waste Applic- Basis		
Home	9 2025	15.40 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 35- 25 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Ives	V1 2025	22.00 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 30- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Sterrett	27 2025	4.20 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 48- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			
Wagenfuhr	W1 2025 [*]	10.70 Acres	260 Small grain for silage 28 29 3 4 6 228	9.0 T/A	100- 65- 0 #/A	0 #/A	0 #/A	0 #/A	Total	61- 120- 164 #/A				Preset Rate	39-0-0 #/A	0.0 t/A
									tpdrs-greenup	61- 120- 164 #/A	(1) Dairy L	0.35	7500 gal/A [> 72 hr]			

Additional Plan Notes

Farmer/Operator: Smith

1. To satisfy TOTAL recommendation for many crops, it may be necessary to adjust SUGGESTED TIMING AND METHODS of application, (i.e. broadcast, topdress, sidedress, row, etc.) to be compatible with available equipment and materials.
2. These recommendations assume that the highest level of N management will be utilized and that N losses due to leaching, volatilization and denitrification are minimized due to best management practices.
3. For conventional tillage, ag-lime recommendations are based upon the amount of oxides required for the surface 8" of soil. Lime should be thoroughly mixed with the soil by plowing and disking. If recommended amount of oxides exceeds 1.5 tons of lime per acre (assuming 50% total oxides), ½ should be plowed down and the remainder applied after plowing and disking in thoroughly.
4. If topdressing ag-lime without tillage, reduce the total amount of oxides recommended by 50 percent. When topdressing ag-lime, and soil mixing is not possible, do not apply more than 1500 lbs per acre of oxides in any one application. The balance can be applied the next year. It would be best to do a soil test before making the second application.
5. Split-application of nitrogen is required for optimal production and nitrogen use efficiency of small grain crops and canola and for the protection of ground water resources.
6. Split-application of nitrogen is required for optimal production and nitrogen use efficiency of established pasture and hay land and for the protection of ground water resources.
7. When applying organic nutrient sources such as manures and sewage sludge/biosolids on alfalfa and clover, the optimal split- application is ½ the total rate in early spring (March) and ½ after the first cutting. If wet spring conditions eliminate the early spring application, apply ½ the total rate after the first cutting and 1/4 the total rate after both the third and fourth cuttings.
8. A starter fertilizer is normally suggested for corn, even on those soils testing high to very high in phosphate and/or potash, and where little to no total P ₂ O ₅ & K ₂ O is recommended by a soil test. A starter is often beneficial in stimulating early plant growth, especially on cold, wet soil. A good starter fertilizer should supply 15-30 lbs/A of N, P ₂ O ₅ , and K ₂ O.
9. Proper timing of nutrient applications is important. Apply nutrient sources as close to planting or nutrient demand as possible so that nutrients are absorbed by plants quickly and not allowed to runoff into surface water or leach into ground water.
10. When applying liquid wastes, application rate should not exceed the soil's infiltration rate.
11. When potash recommendations for alfalfa/alfalfa-grass mixes and clover/clover-grass mixes are 300 lbs per acre or more, apply half after the first cutting and half after the 4th cutting (late August or early September).
12. For the maintenance of cool-season grasses (4 tons per acre yield goal), such as orchardgrass, bromegrass, tall fescue, reed canary grass and perennial ryegrass, the TOTAL N recommendation ranges from 150-160 lbs per acre. Fifty to 60 lbs per acre should be topdressed in February or March and additional 50 lbs per acre topdressed after the first cutting or grazing cycle and again in August.
13. For the maintenance of cool-season grasses, such as orchardgrass, bromegrass, tall fescue, reed canary grass and perennial ryegrass (5 tons per acre yield goal), the TOTAL N recommendation ranges from 195-205 lbs per acre. Sixty five to 75 lbs per acre should be topdressed in February or March and additional 65 lbs per acre topdressed after the first cutting or grazing cycle and again in August.
14. For the maintenance of cool-season grasses, orchardgrass, bromegrass, tall fescue, reed canary grass and perennial ryegrass (6 tons per acre yield goal) the TOTAL N recommendation ranges from 240-250 lbs per acre. Eighty to 90 lbs per acre should be topdressed in February or March and additional 80 lbs per acre topdressed after the first cutting or grazing cycle and again in August.
15. Split application of nitrogen is required for optimal production and nitrogen use efficiency of summer annual forages, like forage-type sorghums, sudangrass, sorghum-sudangrass hybrids and millet, and for the protection of ground water resources.
16. To avoid possible boron toxicity damage to crops, apply boron in the broadcast fertilizer rather than in bands or as a sidedressing. Boron

may be broadcast pre-plant as a soluble spray alone or with other compatible soluble chemicals.

17. The late summer topdress application for fescue, orchardgrass, reed canarygrass, bromegrass, timothy and perennial ryegrass, should be applied between mid-August and early September, depending on the sufficient rainfall to move the N into the soil.

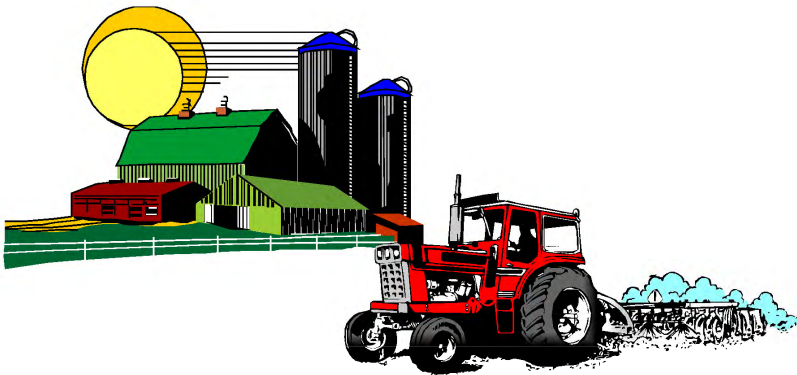
18. Late fall nitrogen application (mid to late October in the mountains of western Maryland and late October to mid November elsewhere in Maryland {approximately the killing frost date}) stimulates root growth and leads to a more vigorous stand. This application must be a commercial nitrogen source where all N is readily available, manure or other organic sources of nitrogen are not recommended for the late fall application. If late fall application is not made, add 40-50 lb.N/ac to the greenup application

19. For wheat, barley; and wheat and barley double cropped with soybeans, the fall nitrogen rate depends on the residual soil nitrate concentration. Consult University of Maryland Extension Brief, EBR-15 for more details. If the Fall Soil Nitrate Test indicates nitrogen insufficiency, up to 30 pounds of nitrogen may be applied.

20. When surface applying the following nitrogen fertilizers, adjust rates as follows: if UAN is surface broadcast, increase rate by 15-20%; if UAN is dribbled or streamed, increase rate by 5-10%; if granulated urea is broadcast, increase rate by 25%.

ITEMS Farmer Needs For Nutrient Mgmt Inspections

ITEM	“ ✓ ”
All nutrient management plans and updates for the last 3 years.	
A record of crops and actual yields for the last 5 years.	
Analysis of nutrients (all forms) applied to plants and/or crop acreage.	
Soil analysis results for the entire agricultural operation.	
Receipts related to the purchase of nutrients.	
Documentation of when and where nutrients were applied to specified fields; in reference to amounts, farm, and field location.	
Documentation to justify any changes from the Nutrient Management Plan as written.	
Documentation of manure spreader calibrations; how and when each spreader was calibrated.	
A current Annual Implementation Report (AIR) filed with the Department of Agriculture.	
If operator is an applicator of nutrients to 10 acres or more; operator must hold a current Maryland Nutrient Applicator's Voucher.	





Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Ladys Manor59
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	T59

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	200	4.5
2	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.5
3	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	100	6.0
4	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.0
5	soils\SSURGO\Harford County Area, Maryland\CcC2 Chester silt loam, 8 to 15 percent slopes\Chester Silt loam 80	5.0	170	6.0
6	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	100	6.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	(none)	contour-systems/a. rows up-and-down hill	-- none --	-- none --	5.3	5.3	0.036	11	0	0

2	(none)	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.7	5.7	0.0019	11	0	0
3	(none)	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.2	5.2	0.045	11	0	0
4	(none)	contour-systems\b. absolute row grade 1 percent	-- none --	-- none --	5.6	5.6	0.015	11	0	0
5	(none)	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.6	5.6	0.015	11	0	0
6	(none)	contour-systems/default	-- none --	-- none --	5.7	5.7	0.0048	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor Farm T55 T12065

Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Harford County	Tract 55, Tract 12065

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
4, 9	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.0
1, 3	soils\SSURGO\Harford County Area, Maryland\CcC2 Chester silt loam, 8 to 15 percent slopes\Chester Silt loam 80	5.0	150	6.5
1, 3, 4, 6	soils\SSURGO\Harford County Area, Maryland\CcC2 Chester silt loam, 8 to 15 percent slopes\Chester Silt loam 80	5.0	150	6.0
2	soils\SSURGO\Harford County Area, Maryland\CcC2 Chester silt loam, 8 to 15 percent slopes\Chester Silt loam 80	5.0	120	8.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
4, 9	Tract 55	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	4.6	4.6	0.089	11	0	0
1, 3	Tract 55	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.0	5.0	0.058	11	0	0
1, 3, 4, 6	Tract 12065	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	4.9	4.9	0.069	11	0	0
2	Tract 55	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	0.68	0.68	0.53	0.60	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor Farm T64
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Harford County	Tract 64

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1, 2, 3	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	120	7.0
5, 8	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	100	8.0
7	soils\SSURGO\Harford County Area, Maryland\MbB2 Manor loam, 3 to 8 percent slopes, moderately eroded\Manor Loam 85	5.0	100	6.0
16	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	100	6.5

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1, 2, 3	None	contour-systems\b. absolute row grade 0.5 percent	-- none - -	-- none --	5.1	5.1	0.055	11	0	0
5, 8	None	contour-systems\b. absolute row grade 0.5 percent	-- none - -	-- none --	5.4	5.4	0.032	11	0	0
7	None	contour-systems\b. absolute row grade 0.5 percent	-- none - -	-- none --	4.1	4.1	0.13	11	0	0
16	None	contour-systems\b. absolute row grade 0.5 percent	-- none - -	-- none --	5.0	5.0	0.061	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor Farm 65
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Harford County	Tract 65

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	150	7.0
2	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	100	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.4	5.4	0.031	11	0	0
2	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	3.9	3.9	0.14	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\MyLady'sManor72
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Harford County	Tract 72

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.5
2	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	120	9.0
3	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	150	8.0
4	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	100	8.0
5	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	170	5.0
6	soils\SSURGO\Harford County Area, Maryland\MbB2 Manor loam, 3 to 8 percent slopes, moderately eroded\Manor Loam 85	5.0	150	5.0
7	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	200	5.0
8	soils\SSURGO\Harford County Area, Maryland\MbB2 Manor loam, 3 to 8 percent slopes, moderately eroded\Manor Loam 85	5.0	75	8.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.7	5.7	0.0019	11	0	0
2	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.7	5.7	0.0043	11	0	0
3	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	6.0	6.0	-0.018	11	0	0
4	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.9	5.9	-0.013	11	0	0
5	None	contour-systems\a. rows up-and-down hill	-- none --	-- none --	4.9	4.9	0.071	11	0	0
6	None	contour-systems\a. rows up-and-down hill	-- none --	-- none --	4.7	4.7	0.083	11	0	0
7	None	contour-systems\b. absolute row grade 0.2 percent	-- none --	-- none --	4.0	4.0	0.14	11	0	0

8	None	contour-systems\b. absolute row grade 5 percent	-- none --	-- none --	5.9	5.9	-0.012	11	0	0
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The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor T1175
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, INC.	USA\Maryland\Baltimore County	Tract 1175

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1, 4	soils\SSURGO\Baltimore County, Maryland\GdC Glenelg loam, 8 to 15 percent slopes\Glenelg Loam 90%	5.0	100	8.0
2	soils\SSURGO\Baltimore County, Maryland\GdB Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85%	5.0	200	6.5
6	soils\SSURGO\Baltimore County, Maryland\MbC Manor channery loam, 8 to 15 percent slopes\Manor Channery loam 85%	5.0	120	8.0
3	soils\SSURGO\Baltimore County, Maryland\GdB Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85%	5.0	150	7.5

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1, 4	None	contour-systems\b. absolute row grade 4 percent	-- none --	-- none --	5.5	5.5	0.025	11	0	0
2	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.2	5.2	0.049	11	0	0
6	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.5	5.5	0.023	11	0	0
3	None	contour-systems\a. rows up-and-down hill	-- none --	-- none --	5.5	5.5	0.026	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor Farm T3390

Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Baltimore County	Tract 3390

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Baltimore County, Maryland\GdA Glenelg loam, 0 to 3 percent slopes\Glenelg Loam 85%	4.0	150	3.0
3	soils\SSURGO\Baltimore County, Maryland\GdA Glenelg loam, 0 to 3 percent slopes\Glenelg Loam 85%	4.0	100	4.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 5 percent	-- none --	-- none --	2.4	2.4	0.26	11	0	0
3	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	0.29	0.29	0.56	0.60	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor Farm T4355

Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Baltimore County	Tract 4355

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Baltimore County, Maryland\GhB Glenville silt loam, 3 to 8 percent slopes\Glenville Silt loam 75%	4.0	100	4.5

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\a. rows up-and-down hill	-- none --	-- none --	4.5	4.5	0.10	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor 10285
Access Group: R2_NRCS_Fld_Office

Inputs:

Owner name	Location	Info
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	Tract 10285

R Factor	Annual precip	10-yr 24-hr rainfall	In Req area?
180	44.6	5.1	No

Field name	Soil	Slope T Value	Slope length, ft	Slope steepness, %
1	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	100	6.0

Results:

Field name	Description	Contouring system	Support practices	Terrace/diversion system	Cons. plan. soil loss, t/ac/yr	Sed. delivery, t/ac/yr	Soil conditioning index (SCI)	STIR value	Wind & irrigation-induced erosion for SCI	Fuel cost
1		contour-systems\b. absolute row grade 0.3 percent	-- none --	-- none --	4.0	4.0	0.14	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\MyLady'sManor2256
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Baltimore County	Tract 2256

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	220	6.5
2	soils\SSURGO\Baltimore County, Maryland\GdB Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85%	5.0	100	6.0
3	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	170	8.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 0.25 percent	-- none --	-- none --	4.8	4.8	0.080	11	0	0
2	None	contour-systems\b. absolute row grade 0.6 percent	-- none --	-- none --	3.1	3.1	0.21	11	0	0
3	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.7	5.7	0.0056	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\Mylady'sManor66
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm	USA\Maryland\Harford County	T66

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.5
2	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.0
3	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	4.0
4	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	250	5.2
5	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.0
6	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	150	6.0
7	soils\SSURGO\Harford County Area, Maryland\GcB2 Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85	5.0	80	8.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.6	5.6	0.012	11	0	0
2	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.9	5.9	-0.014	11	0	0
3	None	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	1.2	1.2	0.45	3.3	0	0
4	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.4	5.4	0.031	11	0	0
5	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.9	5.9	-0.014	11	0	0
6	None	contour-systems\b. absolute row grade 4 percent	-- none --	-- none --	5.5	5.5	0.023	11	0	0
7	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.6	5.6	0.016	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's ManorT1217
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, INC.	USA\Maryland\Baltimore County	T1217

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
3	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	120	10
4	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	120	10
8	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	120	10

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
3	None	contour-systems\b. absolute row grade 0.1 percent	-- none --	-- none --	5.5	5.5	0.021	11	0	0

4	None	contour-systems/b. absolute row grade 0.1 percent	-- none --	-- none --	5.5	5.5	0.021	11	0	0
8	None	contour-systems/b. absolute row grade 0.25 percent	-- none --	-- none --	5.7	5.7	0.0090	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's ManorT1218
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, INC.	USA\Maryland\Baltimore County	T1218

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	120	10
2	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	150	10
3	soils\SSURGO\Baltimore County, Maryland\GhB Glenville silt loam, 3 to 8 percent slopes\Glenville Silt loam 75%	4.0	120	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 0.1 percent	-- none --	-- none --	5.5	5.5	0.021	11	0	0

2	None	contour-systems/b. absolute row grade 0.1 percent	-- none --	-- none --	5.9	5.9	-0.011	11	0	0
3	None	contour-systems/b. absolute row grade 0.25 percent	-- none --	-- none --	4.9	4.9	0.069	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor 1253
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My lady's Manor Farm	USA\Maryland\Harford County	T1253

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	150	6.0
2	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	170	6.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1		contour-systems/b. absolute row grade 2 percent	-- none --	-- none --	5.9	5.9	-0.014	11	0	0
2		contour-systems/b. absolute row grade 1 percent	-- none --	-- none --	5.9	5.9	-0.0084	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's ManorT2145
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, INC.	USA\Maryland\Baltimore County	T2145

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.4	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Baltimore County, Maryland\MaC Manor loam, 8 to 15 percent slopes\Manor Loam 85%	5.0	150	6.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversi on system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.2	5.2	0.048	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\MyLady'sManor10019
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, Inc.	USA\Maryland\Harford County	T10019

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\GgC2 Glenelg gravelly loam, 8 to 15 percent slopes, moderately eroded\Glenelg Gravelly loam 100	5.0	220	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	(none)	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	5.5	5.5	0.019	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Ladys Manor 11025
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	T11025

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	200	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	(none)	contour-systems\b. absolute row grade 1 percent	-- none --	-- none --	5.2	5.2	0.049	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.



Rusle Program Version:
 Rusle Science Version:
 Data Base:

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor11764
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm, INC.	USA\Maryland\Harford County	T11764, T11765, T11766, T11767

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1, 8	soils\SSURGO\Harford County Area, Maryland\McB2 Manor channery loam, 3 to 8 percent slopes, moderately eroded\Manor Channery loam 85	5.0	100	10
2, 3, 5	soils\SSURGO\Harford County Area, Maryland\MbC Manor loam, 8 to 15 percent slopes\Manor Loam 85	5.0	100	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversi on system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1, 8	None	contour-systems\b. absolute row grade 0.1 percent	-- none --	-- none --	5.9	5.9	-0.0077	11	0	0
2, 3, 5	None	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	3.9	3.9	0.15	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

1	(none)	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.6	5.6	0.015	11	0	0
2	(none)	contour-systems\b. absolute row grade 0.5 percent	-- none --	-- none --	5.8	5.8	-0.00043	11	0	0
3	(none)	contour-systems\b. absolute row grade 0.25 percent	-- none --	-- none --	5.9	5.9	-0.012	11	0	0
4	(none)	contour-systems\b. absolute row grade 0.25 percent	-- none --	-- none --	4.7	4.7	0.086	11	0	0
6, 11, 12	(none)	contour-systems\b. absolute row grade 0.25 percent	-- none --	-- none --	4.3	4.3	0.12	11	0	0
8	(none)	contour-systems\b. absolute row grade 1 percent	-- none --	-- none --	5.6	5.6	0.015	11	0	0
7	(none)	contour-systems\b. absolute row grade 1 percent	-- none --	-- none --	5.9	5.9	-0.0084	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance

between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor T946
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
7	soils\SSURGO\Baltimore County, Maryland\GeB Glenelg channery loam, 3 to 8 percent slopes\Glenelg Channery loam 75%	5.0	120	8.0
5, 6	soils\SSURGO\Baltimore County, Maryland\GeC Glenelg channery loam, 8 to 15 percent slopes\Glenelg Channery loam 85%	4.0	100	8.5
4	soils\SSURGO\Baltimore County, Maryland\GdC Glenelg loam, 8 to 15 percent slopes\Glenelg Loam 90%	5.0	75	9.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
7	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 1 percent	-- none - -	-- none --	5.2	5.2	0.043	11	0	0
5, 6	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 0.2 percent	-- none - -	-- none --	4.8	4.8	0.076	11	0	0
4	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 4 percent	-- none - -	-- none --	4.8	4.8	0.075	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor T949
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
3	soils\SSURGO\Baltimore County, Maryland\GdC Glenelg loam, 8 to 15 percent slopes\Glenelg Loam 90%	5.0	150	7.0
4	soils\SSURGO\Baltimore County, Maryland\GdB Glenelg loam, 3 to 8 percent slopes\Glenelg Loam 85%	5.0	120	7.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
3	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	4.5	4.5	0.10	11	0	0
4	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 2 percent	-- none --	-- none --	4.8	4.8	0.076	11	0	0

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

RUSLE2 Erosion Calculation Record

File: plans\My Lady's Manor T11024
Access Group: R2_NRCS_Fld_Office

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
My Lady's Manor Farm Inc.	USA\Maryland\Harford County	

<i>R Factor</i>	<i>Annual precip</i>	<i>10-yr 24-hr rainfall</i>	<i>In Req area?</i>
180	44.6	5.1	No

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1	soils\SSURGO\Harford County Area, Maryland\CcB2 Chester silt loam, 3 to 8 percent slopes\Chester Silt loam 80	5.0	120	5.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>	<i>Soil conditioning index (SCI)</i>	<i>STIR value</i>	<i>Wind & irrigation-induced erosion for SCI</i>	<i>Fuel cost</i>
1	cs-nt, sg-vt 3yr; alfalfa ss 5yr	contour-systems\b. absolute row grade 2 percent	-- none - -	-- none --	4.7	4.7	0.084	11	0	0

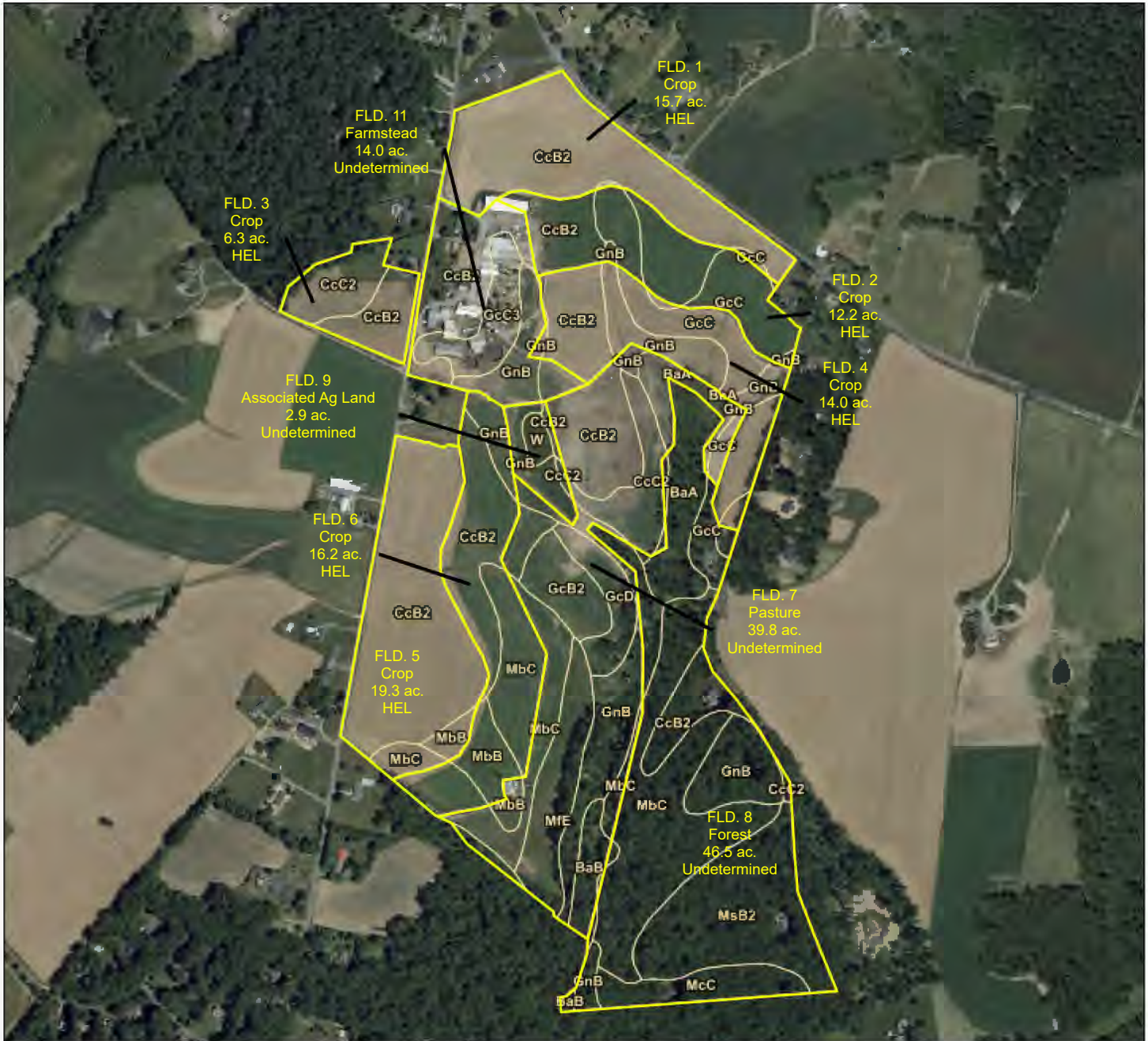
The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Location: Tract #59
Harford County, Maryland
Approximate Acres: 186.88
Land Units: Tract 59, Fields 1,11,2,3,4,5,6,7,8,9

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: BaA--Baile silt loam, 0 to 3 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural

drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: CcC2--Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated

land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GcC3--Glenelg loam, 8 to 15 percent slopes, severely eroded

Component: Glenelg, severely eroded (100%)

The Glenelg, severely eroded component makes up 100 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit: GcD--Glenelg loam, 15 to 25 percent slopes

Component: Glenelg (80%)

The Glenelg component makes up 80 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Manor (10%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of

60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: McC--Manor channery loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the

F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit: MsB2--Montalto silt loam, 3 to 8 percent slopes, moderately eroded

Component: Montalto (85%)

The Montalto component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, piedmonts. The parent material consists of clayey residuum weathered from gabbro. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Legore (10%)

Generated brief soil descriptions are created for major soil components. The Legore soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas soil is a minor component.

Map Unit: W--Water

Component: Water (100%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: CcC2--Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: Cu--Codorus silt loam

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e.

This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report




Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 42.10

Assisted By: MALIK BAKERGORE
NRCS
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root

restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

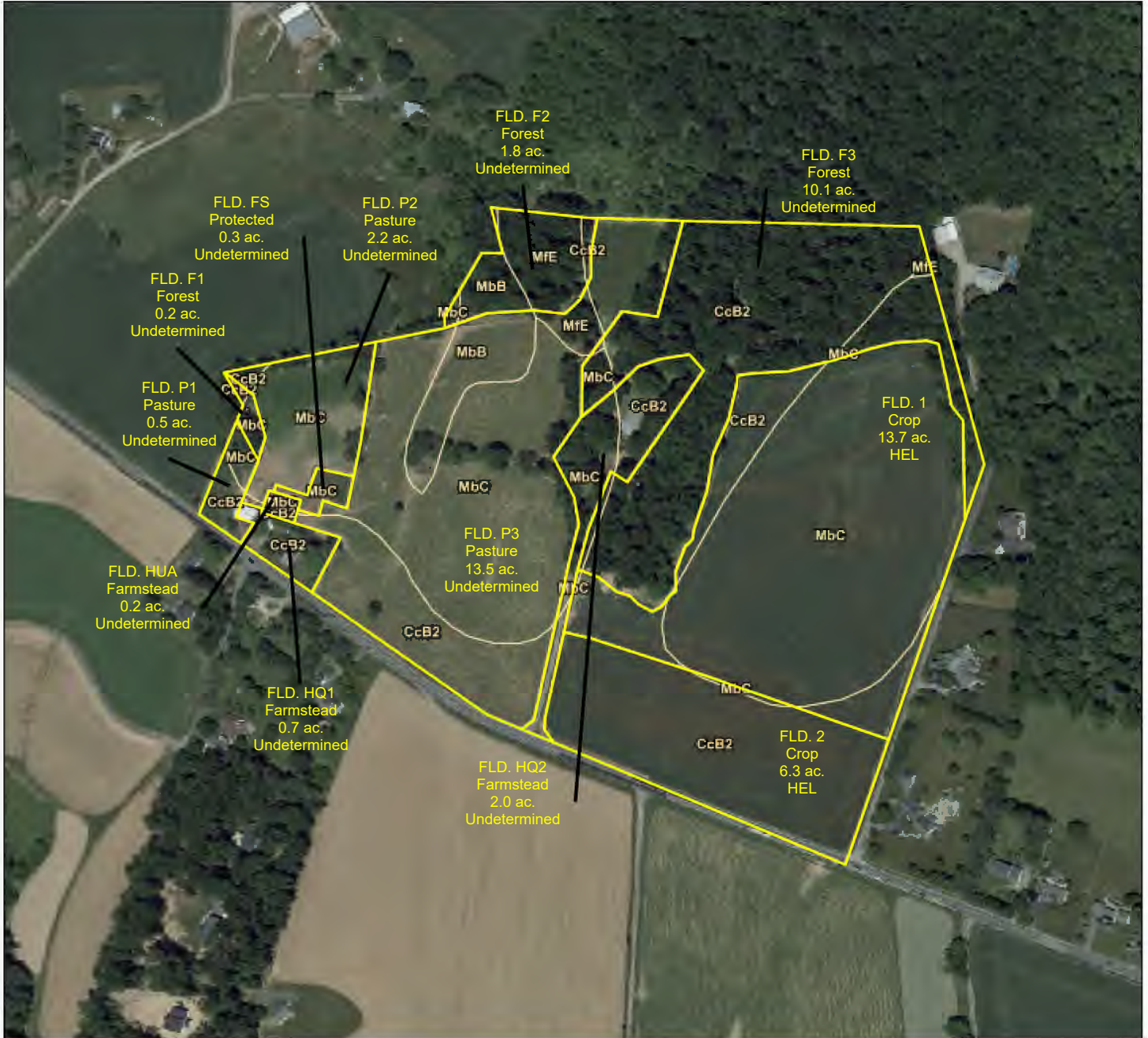
Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

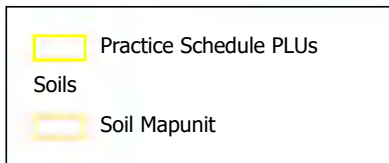
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 51.50

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 65, Fields 1,2,F1,F2,F3,FS,HQ1,HQ2,HUA,P1,P2,P3



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

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The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

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The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: CcC2--Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: Cu--Codorus silt loam

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: EhB2--Elioak silt loam, 3 to 8 percent slopes, moderately eroded

Component: Elioak (85%)

The Elioak component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, interfluves, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability

classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: EhC2--Elioak silt loam, 8 to 15 percent slopes, moderately eroded

Component: Elioak (85%)

The Elioak component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GcC3--Glenelg loam, 8 to 15 percent slopes, severely eroded

Component: Glenelg, severely eroded (100%)

The Glenelg, severely eroded component makes up 100 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-

swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Map Unit: McD--Manor channery loam, 15 to 25 percent slopes**Component:** Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes**Component:** Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit: MsB2--Montalto silt loam, 3 to 8 percent slopes, moderately eroded**Component:** Montalto (85%)

The Montalto component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, piedmonts. The parent material consists of clayey residuum weathered from gabbro. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Legore (10%)

Generated brief soil descriptions are created for major soil components. The Legore soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas soil is a minor component.

Map Unit: NsC--Neshaminy and Montalto very stony silt loams 0 to 15 percent slopes**Component:** Neshaminy (51%)

The Neshaminy component makes up 51 percent of the map unit. Slopes are 0 to 15 percent. This component is on hills, piedmonts. The parent material consists of silty residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 99 inches. The natural drainage class is well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Montalto (49%)

The Montalto component makes up 49 percent of the map unit. Slopes are 0 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of clayey residuum weathered from diabase and/or clayey residuum weathered from gabbro. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

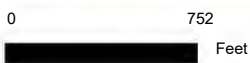
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 165.80

Assisted By: MALIK BAKERGORE
NRCS
HARFORD COUNTY SERVICE CENTER



Source: Esri, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo and the GIS User Community, USDA-NRCS-NGCE

Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: Cu--Codorus silt loam

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This

soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: Hb--Hatboro silt loam

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: McD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 101.30

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 1175, Fields 1,2,3,4,5,6,7



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: GhC--Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood -

Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Baile (5%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MaD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbC--Manor channery loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MdE--Manor-Brinklow complex, 25 to 45 percent slopes, very rocky

Component: Manor (55%)

The Manor component makes up 55 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum derived from phyllite and/or loamy residuum derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Brinklow (30%)

The Brinklow component makes up 30 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, hillslopes, piedmonts. The parent material consists of gravelly residuum weathered from schist and/or gravelly residuum weathered from phyllite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 33 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Rock outcrop (5%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

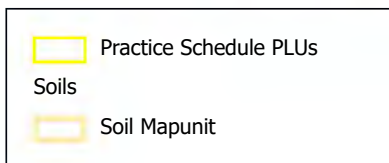
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 28.97

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 1217, Fields 3,4,8



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GaB--Gaila loam, 3 to 8 percent slopes

Component: Gaila (85%)

The Gaila component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, interfluves, piedmonts. The parent material consists of loamy residuum weathered from quartz muscovite schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Manor (5%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA

Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MaD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MdE--Manor-Brinklow complex, 25 to 45 percent slopes, very rocky

Component: Manor (55%)

The Manor component makes up 55 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum derived from phyllite and/or loamy residuum derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological

site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Brinklow (30%)

The Brinklow component makes up 30 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, hillslopes, piedmonts. The parent material consists of gravelly residuum weathered from schist and/or gravelly residuum weathered from phyllite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 33 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Rock outcrop (5%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Location: Tract 1218
Baltimore County, Maryland
Approximate Acres: 86.47
Land Units: Tract 1218, Fields 1,2,3,4,6

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service



Practice Schedule PLUs
Soils
Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GaB--Gaila loam, 3 to 8 percent slopes

Component: Gaila (85%)

The Gaila component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, interfluves, piedmonts. The parent material consists of loamy residuum weathered from quartz muscovite schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Manor (5%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly

level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: GhC--Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Baile (5%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: HbA--Hatboro silt loams, 0 to 3 percent slopes

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained.

Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: MaB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MaD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the

F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MdE--Manor-Brinklow complex, 25 to 45 percent slopes, very rocky

Component: Manor (55%)

The Manor component makes up 55 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum derived from phyllite and/or loamy residuum derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Brinklow (30%)

The Brinklow component makes up 30 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, hillslopes, piedmonts. The parent material consists of gravelly residuum weathered from schist and/or gravelly residuum weathered from phyllite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 33 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Rock outcrop (5%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit: W--Water

Component: Water (100%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Harford County Area, Maryland

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: Hb--Hatboro silt loam

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

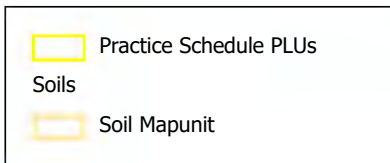
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 50.80

Assisted By: MALIK BAKERGORE
NRCS
HARFORD COUNTY SERVICE CENTER



Source: Esri, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo and the GIS User Community

Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 20.60




Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 2145, Fields 1,5



Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GaB--Gaila loam, 3 to 8 percent slopes

Component: Gaila (85%)

The Gaila component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, interfluves, piedmonts. The parent material consists of loamy residuum weathered from quartz muscovite schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Manor (5%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA

Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MaD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

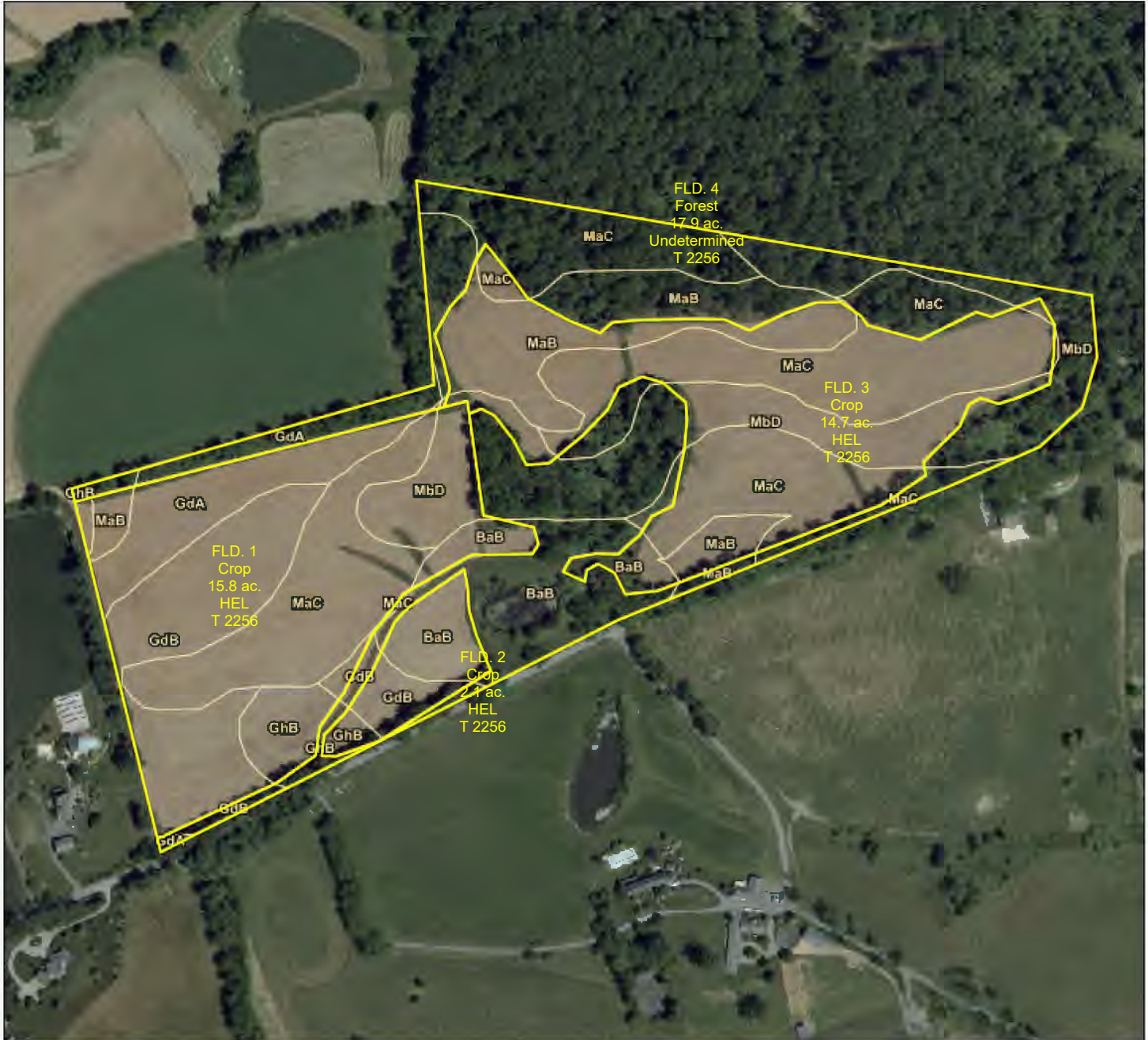
Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

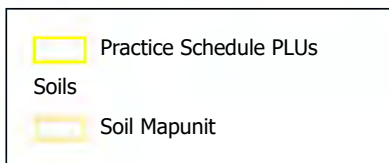
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 50.50

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 2256, Fields 1,2,3,4



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water

movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MaB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability

classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 19.84




Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 3390, Fields 1,2,3



Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

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The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

Date: 11/7/2024

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 19.90

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 4355, Fields 1,2,3



Prepared with assistance from USDA-Natural Resources Conservation Service

USDA is an equal opportunity provider, employer, and lender



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

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The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: HbA--Hatboro silt loams, 0 to 3 percent slopes

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w.

This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report

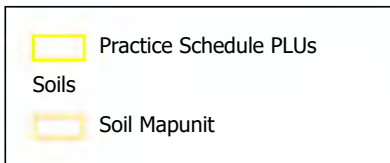
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 11.64

Assisted By: MALIK BAKERGORE
NRCS
HARFORD COUNTY SERVICE CENTER



Sources: Esri, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo and the GIS User Community, USDA-NRCS-NGCE

Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: NeB2--Neshaminy silt loam, 3 to 8 percent slopes, moderately eroded

Component: Neshaminy, very deep over gabbro (85%)

The Neshaminy, very deep over gabbro component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from gabbro. Depth to a root restrictive layer, bedrock, lithic, is 60 to 99 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Montalto (10%)

Generated brief soil descriptions are created for major soil components. The Montalto soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

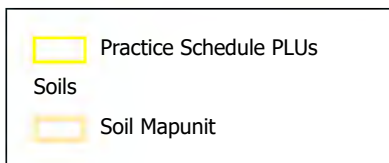
Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 22.62

Assisted By: MALIK BAKERGORE
NRCS
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: BaB--Baile silt loam, 3 to 8 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most

restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This

soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: McD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit: NeB2--Neshaminy silt loam, 3 to 8 percent slopes, moderately eroded

Component: Neshaminy, very deep over gabbro (85%)

The Neshaminy, very deep over gabbro component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from gabbro. Depth to a root restrictive layer, bedrock, lithic, is 60 to 99 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY026PA Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Montalto (10%)

Generated brief soil descriptions are created for major soil components. The Montalto soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

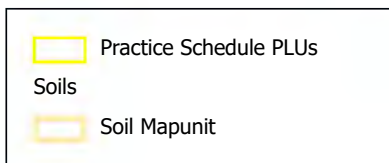
Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Location: Tract 11159, Tract 12066
Harford County, Maryland
Approximate Acres: 34.90
Land Units: Tract 11159, Fields 16,4 Tract 12066, Fields 22

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Map Unit: CcC2--Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GcB2--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: MbC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MbD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in

the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 11.13

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 11764, Fields 8 Tract 11765, Fields 18,2 Tract 11766, Fields 19,3,5 Tract 11767, Fields 1



Prepared with assistance from USDA-Natural Resources Conservation Service



Legend:

- Practice Schedule PLUs (Yellow outline)
- Soils (Light yellow fill)
- Soil Mapunit (Light orange fill)



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MbB--Manor loam, 3 to 8 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes

on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 60 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: McC--Manor channery loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 155.45

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 10019, Fields 1 Tract 11808, Fields 1,11,12,2,3,4,6,8 Tract 11809, Fields 7



Prepared with assistance from USDA-Natural Resources Conservation Service



	Practice Schedule PLUs
	Soils
	Soil Mapunit



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: CfA--Codorus silt loams, 0 to 3 percent slopes

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: GhA--Glenville silt loam, somewhat poorly drained, 0 to 3 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium

derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Component: Glenelg (5%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: HbA--Hatboro silt loams, 0 to 3 percent slopes

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: MaC--Manor loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: MaD--Manor loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate.

Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Harford County Area, Maryland

Map Unit: BaA--Baile silt loam, 0 to 3 percent slopes

Component: Baile (85%)

The Baile component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Glenville (15%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Map Unit: CcC2--Chester silt loam, 8 to 15 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell

potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (10%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Map Unit: Cu--Codus silt loam

Component: Codorus (85%)

The Codorus component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from phyllite, schist, diabase and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY027PA Moist, Piedmont - felsic, Riparian Zone, Ecotonal Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hatboro (15%)

Generated brief soil descriptions are created for major soil components. The Hatboro soil is a minor component.

Map Unit: EsA--Elsinboro loam, 0 to 2 percent slopes

Component: Elsinboro (85%)

The Elsinboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces, river valleys. The parent material consists of loamy alluvium derived from phyllite and/or loamy alluvium derived from mica schist and/or loamy alluvium derived from quartzite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Delanco, Piedmont (10%)

Generated brief soil descriptions are created for major soil components. The Delanco, Piedmont soil is a minor component.

Component: Glenelg (5%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: GcC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e.

This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GgB2--Glenelg channery loam, 3 to 8 percent slopes

Component: Glenelg (75%)

The Glenelg component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 56 to 98 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gladstone (10%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Component: Brinklow (5%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: GgC2--Glenelg gravelly loam, 8 to 15 percent slopes, moderately eroded

Component: Glenelg, moderately eroded (100%)

The Glenelg, moderately eroded component makes up 100 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map Unit: GgD2--Glenelg gravelly loam, 15 to 25 percent slopes, moderately eroded

Component: Glenelg, moderately eroded (100%)

The Glenelg, moderately eroded component makes up 100 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit: GgD3--Glenelg gravelly loam, 15 to 25 percent slopes, severely eroded

Component: Glenelg, severely eroded (100%)

The Glenelg, severely eroded component makes up 100 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the

most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Map Unit: GnB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: Hb--Hatboro silt loam

Component: Hatboro (85%)

The Hatboro component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, river valleys. The parent material consists of loamy alluvium derived from greenstone, quartzite, phyllite, schist and/or diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY030PA Hydric, Piedmont - felsic, Riparian Zone, Swamp Meadow-Shrub-Forest ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Codorus (15%)

Generated brief soil descriptions are created for major soil components. The Codorus soil is a minor component.

Map Unit: McC--Manor channery loam, 8 to 15 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: McD--Manor channery loam, 15 to 25 percent slopes

Component: Manor (85%)

The Manor component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 59 to 100 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Gaila (5%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Map Unit: MfE--Manor soils, 25 to 45 percent slopes

Component: Manor (100%)

The Manor component makes up 100 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite and/or loamy residuum weathered from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
 Location: Tract# 59
 Harford County, Maryland
 Approximate Acres: 186.88
 Land Units: Tract 59, Fields 1,11,2,3,4,5,6,7,8,9

Assisted By: JACK MCCULLOUGH
 HARFORD COUNTY SERVICE CENTER



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Prepared with assistance from USDA-Natural Resources Conservation Service



<ul style="list-style-type: none"> Conservation Practice Points Waste Storage Facility (313) Roof Runoff Structure (558) Structure for Water Control (587) Watering Facility (614) 	<ul style="list-style-type: none"> Waste Transfer (634) Water Well (642) Stream Crossing (578) Comprehensive Nutrient Management Plan - Written (102) 	<ul style="list-style-type: none"> Comprehensive Nutrient Management Plan - Applied (103) Conservation Practice Lines Fence (382) Livestock Pipeline (516) Access Road (560) Trails and Walkways (575) 	<ul style="list-style-type: none"> Underground Outlet (620) Conservation Practice Polygons Riparian Forest Buffer (391) Heavy Use Area Protection (561) Practice Schedule PLUs
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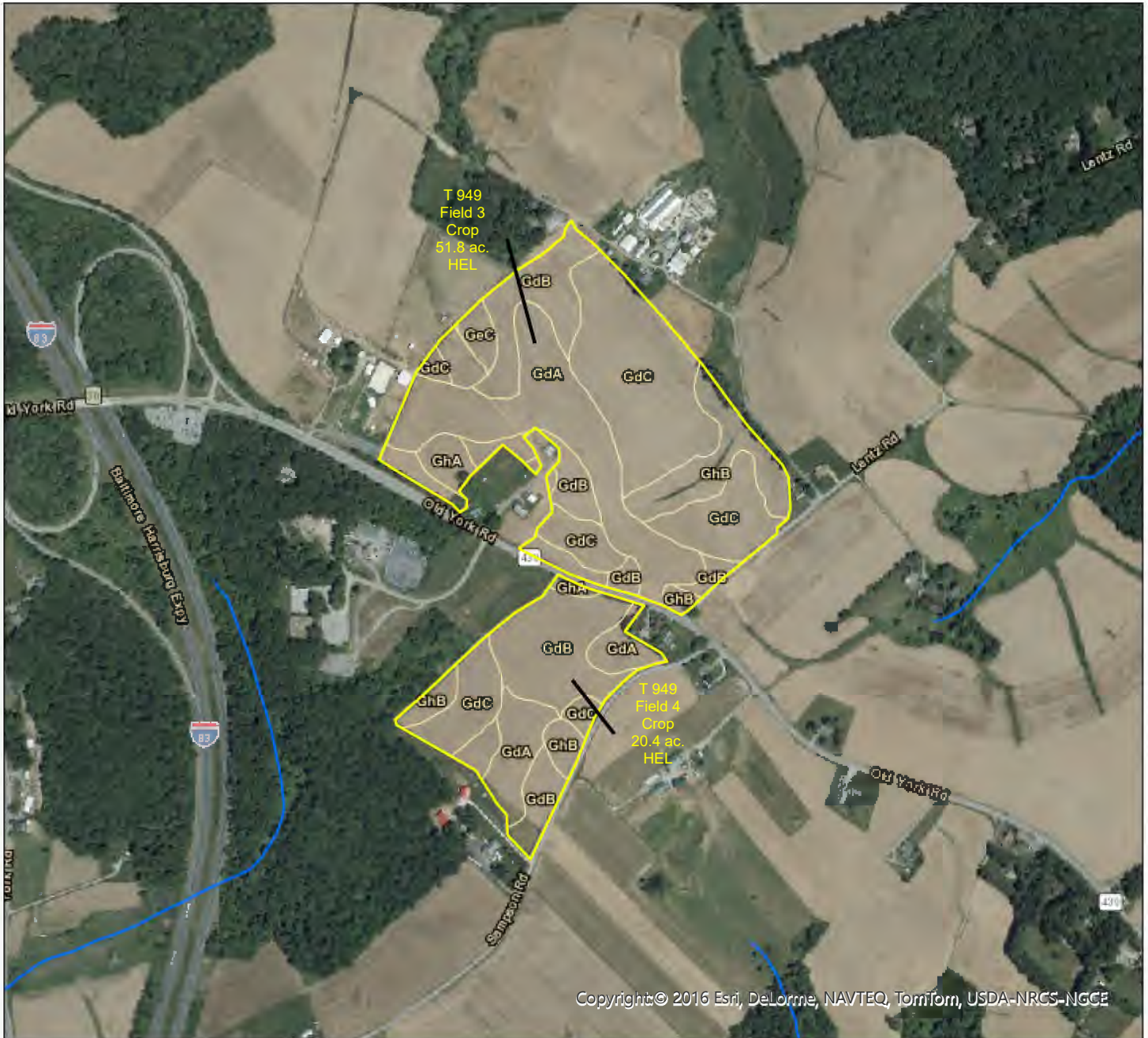


Soils Map and Report Tract 949

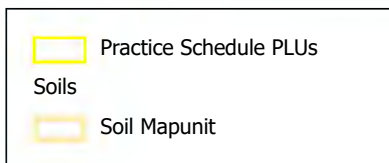
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 72.20

Assisted By: JACK MCCULLOUGH
NRCS
BALTIMORE COUNTY SERVICE CENTER
BALTIMORE COUNTY SCD

Land Units: Tract 949, Fields 3,4



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

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The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: BhD--Brinklow channery loam, 15 to 25 percent slopes

Component: Brinklow (80%)

The Brinklow component makes up 80 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on piedmonts. The parent material consists of gravelly residuum weathered from phyllite and/or gravelly residuum weathered from schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica

schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GeC--Glenelg channery loam, 8 to 15 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Manor (5%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GhA--Glenville silt loam, somewhat poorly drained, 0 to 3 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Component: Glenelg (5%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024

Soils Map and Report Tract 11024

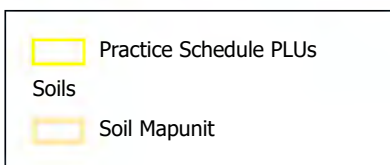
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 9.30

Assisted By: JACK MCCULLOUGH
NRCS
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 11024, Fields 1



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Harford County Area, Maryland

Map Unit: CcB2--Chester silt loam, 3 to 8 percent slopes

Component: Chester (80%)

The Chester component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Glenville (10%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Mt. Airy (5%)

Generated brief soil descriptions are created for major soil components. The Mt. Airy soil is a minor component.

Component: Gladstone (5%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Data Source Information

Soil Survey Area: Harford County Area, Maryland

Survey Area Data: Version 18, Sep 06, 2024

Soils Map and Report Tract# 946

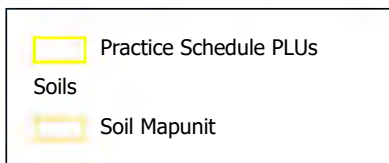
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 87.70

Assisted By: JACK MCCULLOUGH
NRCS
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 946, Fields 4,5,6,7



Prepared with assistance from USDA-Natural Resources Conservation Service



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Baltimore County, Maryland

Map Unit: BhC--Brinklow channery loam, 8 to 15 percent slopes

Component: Brinklow (85%)

The Brinklow component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on piedmonts. The parent material consists of gravelly residuum weathered from phyllite and/or gravelly residuum weathered from schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Map Unit: BhD--Brinklow channery loam, 15 to 25 percent slopes

Component: Brinklow (80%)

The Brinklow component makes up 80 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on piedmonts. The parent material consists of gravelly residuum weathered from phyllite and/or gravelly residuum weathered from schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of

60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: GdA--Glenelg loam, 0 to 3 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GdC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GeB--Glenelg channery loam, 3 to 8 percent slopes

Component: Glenelg (75%)

The Glenelg component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 56 to 98 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gladstone (10%)

Generated brief soil descriptions are created for major soil components. The Gladstone soil is a minor component.

Component: Brinklow (5%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Component: Blocktown (5%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Map Unit: GeC--Glenelg channery loam, 8 to 15 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum weathered from phyllite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Manor (5%)

Generated brief soil descriptions are created for major soil components. The Manor soil is a minor component.

Map Unit: GhB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: GhC--Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes

Component: Glenville, somewhat poorly drained (85%)

The Glenville, somewhat poorly drained component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on drainageways, piedmonts. The parent material consists of schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Glenelg (10%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Component: Baile (5%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: MdE--Manor-Brinklow complex, 25 to 45 percent slopes, very rocky

Component: Manor (55%)

The Manor component makes up 55 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, piedmonts. The parent material consists of loamy residuum derived from phyllite and/or loamy residuum derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY024PA Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Brinklow (30%)

The Brinklow component makes up 30 percent of the map unit. Slopes are 25 to 45 percent. This component is on hillslopes, hillslopes, piedmonts. The parent material consists of gravelly residuum weathered from schist and/or gravelly residuum weathered from phyllite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 33 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F148XY021PA Dry, Piedmont - felsic, Upland, Mixed Oak Heath / Oak-Pine Woodland ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Blocktown (10%)

Generated brief soil descriptions are created for major soil components. The Blocktown soil is a minor component.

Component: Rock outcrop (5%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 19, Sep 06, 2024



HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 59 is their home farm where the milk cows and waste storage structures are located. Additionally, the crop fields on this tract receive manure for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Associated Ag Land

Tract: 59

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
9	1608.00 Ft	02	2024	1608.00 Ft	05/09/2015
Total:	1608.00 Ft	--	--	1608.00 Ft	--

Crop

Tract: 59

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
3	6.3 Ac	12	2025	--	--
Total:	83.7 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	11	2025	--	--
2	12.2 Ac	11	2025	--	--
3	6.3 Ac	11	2025	--	--
4	14.0 Ac	11	2025	--	--
5	19.3 Ac	11	2025	--	--
6	16.2 Ac	11	2025	--	--
Total:	83.7 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	12	2024	--	--
2	12.2 Ac	12	2024	--	--
3	6.3 Ac	12	2024	--	--
4	14.0 Ac	12	2024	--	--
5	19.3 Ac	12	2024	--	--
6	16.2 Ac	12	2024	--	--
Total:	83.7 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.7 Ac	06	2025	--	--
2	12.2 Ac	06	2025	--	--
3	6.3 Ac	06	2025	--	--
4	14.0 Ac	06	2025	--	--
5	19.3 Ac	06	2025	--	--
6	16.2 Ac	06	2025	--	--
Total:	83.7 Ac	--	--	--	--

Farmstead

Tract: 59

Access Road (560)

Access Road - Construct a fixed route for vehicular travel to allow management of timber, livestock, agriculture, wildlife habitat, and other conservation enterprises. Control, divert and direct water flow off the road; install surface treatment if required by traffic needs.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	150.00 Ft	08	2025	--	--
Total:	150.00 Ft	--	--	--	--

Comprehensive Nutrient Management Plan (102)

Utilize a certified Technical Service Provider (TSP) to develop a Comprehensive Nutrient Management Plan that addresses the handling, storage, and application of animal waste in an environmentally safe manner. The CNMP CPA 102 includes the inventory of natural resources at the farmstead and land treatment areas. Both farmstead and land treatment areas are planned to meet planning criteria for water quality, air quality and soil erosion by wind and water. Risk assessment tools are completed to advise on conservation alternatives. Client decisions are recorded. CPA will include primary practices that treat a resource concern and may include supporting practices. Includes a combination of conservation practices and management activities and the planned schedule of implementation.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	12	2024	--	--
Total:	1.00 No	--	--	--	--

Comprehensive Nutrient Management Plan - Applied (103)

All planned practices contained in the written Comprehensive Nutrient Management Plan are applied according to NRCS standards and specifications.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	12	2030	--	--
Total:	1.00 No	--	--	--	--

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	2397.00 Ft	02	2024	2397.00 Ft	07/09/2000
11	314.00 Ft	04	2024	314.00 Ft	04/15/2024
11	212.00 Ft	05	2024	212.00 Ft	05/15/2024
11	75.00 Ft	05	2024	75.00 Ft	05/15/2024
11	52.00 Ft	05	2024	52.00 Ft	05/15/2024
11	385.00 Ft	06	2026	--	--
11	140.00 Ft	10	2026	--	--
11	140.00 Ft	10	2026	--	--
Total:	3715.00 Ft	--	--	3050.00 Ft	--

Heavy Use Area Protection (561)

Stabilization - Stabilize or protect an intensively used area.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1006.00 SqFt	04	2024	1006.00 SqFt	04/15/2024
11	986.00 SqFt	05	2024	986.00 SqFt	05/15/2024
11	108.00 SqFt	05	2024	180.00 SqFt	05/15/2024
Total:	2100.00 SqFt	--	--	2172.00 SqFt	--

Livestock Pipeline (516)

Livestock Pipeline - Install a pipeline to convey water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	691.00 Ft	11	2002	691.00 Ft	11/01/2002
Total:	691.00 Ft	--	--	691.00 Ft	--

Roof Runoff Structure (558)

Roof Gutter - Install a structure that will collect, control, and convey precipitation runoff from a roof.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	02	2024	--	--
11	1.00 No	02	2024	1.00 No	05/09/2000
11	1.00 No	02	2024	1.00 No	08/09/2000
11	1.00 No	02	2024	1.00 No	08/09/2000
11	1.00 No	02	2024	1.00 No	11/01/2000
Total:	5.00 No	--	--	4.00 No	--

Structure for Water Control (587)

Water Control - Construct or install a structure in a water management system that conveys water, controls the direction of flow, rate of flow, maintains a desired water surface elevation, or measures water.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	01	2030	--	--
Total:	1.00 No	--	--	--	--

Trails and Walkways (575)

Trail or Walkway - Construct a trail with a vegetated or earthen surface or a walkway with an artificial surface to facilitate the movement of animals, people, or off-road vehicles.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	140.00 Ft	10	2026	--	--
Total:	140.00 Ft	--	--	--	--

Underground Outlet (620)

Underground Outlet - Install a conduit or system of conduits beneath the surface of the ground to convey surface water to a suitable outlet.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	106.00 Ft	10	2026	110.00 Ft	11/09/2018
Total:	106.00 Ft	--	--	110.00 Ft	--

Waste Storage Facility (313)

Waste Storage Facility - Make an agricultural waste storage impoundment or containment by constructing an embankment, excavating a pit or dugout, or by fabricating a structure.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	01	2001	1.00 No	06/01/2001
11	1.00 No	01	2001	1.00 No	06/01/2000
11	1.00 No	06	2026	--	--
Total:	3.00 No	--	--	2.00 No	--

Waste Transfer (634)

Waste Transfer - Install a system using structures, pipes or conduits to convey wastes or waste byproducts from the agricultural production site to storage/treatment or application site.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	06	2010	1.00 No	08/09/2010
11	1.00 No	04	2024	1.00 No	05/15/2024
11	1.00 No	05	2024	1.00 No	05/15/2024
Total:	3.00 No	--	--	3.00 No	--

Water Well (642)

Well - Install a water well into an aquifer for water supply.

Field	Planned Amount	Month	Year	Applied Amount	Date
11	1.00 No	06	1985	1.00 No	11/09/1985
11	1.00 No	06	1994	1.00 No	04/09/1994
11	1.00 No	06	2004	1.00 No	03/09/2004
Total:	3.00 No	--	--	3.00 No	--

Forest

Tract: 59

Forest Stand Improvement (666)

Forest Stand Improvement - Treat species composition, stand structure or density by cutting or killing selected trees or understory vegetation to achieve desired forest conditions or obtain ecosystem services.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	46.5 Ac	01	2032	--	--
Total:	46.5 Ac	--	--	--	--

Pasture

Tract: 59

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	2533.00 Ft	02	2024	2533.00 Ft	05/09/2015
7	4628.00 Ft	09	2025	--	--
Total:	7161.00 Ft	--	--	2533.00 Ft	--

Heavy Use Area Protection (561)

Stabilization - Stabilize or protect an intensively used area.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	253.00 SqFt	08	2025	--	--
Total:	253.00 SqFt	--	--	--	--

Livestock Pipeline (516)

Livestock Pipeline - Install a pipeline to convey water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	867.00 Ft	08	2025	--	--
Total:	867.00 Ft	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	28.0 Ac	05	2025	--	--
Total:	28.0 Ac	--	--	--	--

Pasture and Hay Planting (512)

Forage Planting - Establish adapted and/or compatible species, varieties, or cultivars of herbaceous species suitable for pasture, hay or biomass production to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	28.0 Ac	09	2029	--	--
Total:	28.0 Ac	--	--	--	--

Riparian Forest Buffer (391)

Riparian Forest Buffer - Establish, restore or enhance woody plant communities located adjacent to watercourses or water bodies.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	2.5 Ac	09	2025	--	--
7	2.6 Ac	09	2025	--	--
7	0.9 Ac	09	2025	--	--
Total:	6.0 Ac	--	--	--	--

Stream Crossing (578)

Access to Land - Provide a stabilized area or structure constructed across a stream to provide access to another land unit for livestock grazing, cropping, or haying.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	1.00 No	06	2000	1.00 No	11/09/2002
Total:	1.00 No	--	--	1.00 No	--

Watering Facility (614)

Watering Facility - Install a watering facility to provide drinking water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	1.00 No	11	2002	1.00 No	11/09/2002
7	1.00 No	08	2025	--	--
Total:	2.00 No	--	--	1.00 No	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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USDA Office of the Assistant Secretary for Civil Rights

1400 Independence Avenue, SW.

Washington, DC 20250-9410

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Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Location: Tract 55, Tract 12065
Harford County, Maryland
Approximate Acres: 63.47
Land Units: Tract 55, Fields 1,2,3,4,9,P1 Tract 12065, Fields 1,21,3,4,6

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER



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Prepared with assistance from USDA-Natural Resources Conservation Service



Conservation Practice Polygons

- Critical Area Planting (342)
- Practice Schedule PLUs





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 55 & Tract 12065 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 55

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
2	6.0 Ac	06	2025	--	--
3	4.7 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
9	10.0 Ac	06	2025	--	--
Total:	47.4 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	11	2025	--	--
2	6.0 Ac	11	2025	--	--
3	4.7 Ac	11	2025	--	--
4	11.6 Ac	11	2025	--	--
9	10.0 Ac	11	2025	--	--
Total:	47.4 Ac	--	--	--	--

Critical Area Planting (342)

Stabilize sites - Establish permanent vegetation on sites known to have high erosion rates or conditions that prevent the establishment of vegetation with normal seed/planting methods.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	0.1 Ac	03	2015	--	--
1	0.2 Ac	03	2015	--	--
1	0.6 Ac	04	2015	--	--
Total:	0.9 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
2	6.0 Ac	06	2025	--	--
3	4.7 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
9	10.0 Ac	06	2025	--	--
Total:	47.4 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	12	2024	--	--
2	6.0 Ac	12	2024	--	--
3	4.7 Ac	12	2024	--	--
4	11.6 Ac	12	2024	--	--
9	10.0 Ac	12	2024	--	--
Total:	47.4 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
2	6.0 Ac	06	2025	--	--
3	4.7 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
9	10.0 Ac	06	2025	--	--
Total:	47.4 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
2	6.0 Ac	06	2025	--	--
3	4.7 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
9	10.0 Ac	06	2025	--	--
Total:	47.4 Ac	--	--	--	--

Tract: 12065

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	06	2025	--	--
3	1.4 Ac	06	2025	--	--
4	0.9 Ac	06	2025	--	--
6	2.6 Ac	06	2025	--	--
Total:	7.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	11	2025	--	--
3	1.4 Ac	11	2025	--	--
4	0.9 Ac	11	2025	--	--
6	2.6 Ac	11	2025	--	--
Total:	7.6 Ac	--	--	--	--

Critical Area Planting (342)

Stabilize sites - Establish permanent vegetation on sites known to have high erosion rates or conditions that prevent the establishment of vegetation with normal seed/planting methods.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	0.6 Ac	03	2015	--	--
1	0.2 Ac	03	2015	--	--
Total:	0.8 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	06	2025	--	--
3	1.4 Ac	06	2025	--	--
4	0.9 Ac	06	2025	--	--
6	2.6 Ac	06	2025	--	--
Total:	7.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	12	2024	--	--
3	1.4 Ac	12	2024	--	--
4	0.9 Ac	12	2024	--	--
6	2.6 Ac	12	2024	--	--
Total:	7.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	06	2025	--	--
3	1.4 Ac	06	2025	--	--
4	0.9 Ac	06	2025	--	--
6	2.6 Ac	06	2025	--	--
Total:	7.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	2.7 Ac	06	2025	--	--
3	1.4 Ac	06	2025	--	--
4	0.9 Ac	06	2025	--	--
6	2.6 Ac	06	2025	--	--
Total:	7.6 Ac	--	--	--	--

Pasture

Tract: 55

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	3.8 Ac	12	2024	--	--
Total:	3.8 Ac	--	--	--	--

Prescribed Grazing (528)

Prescribed Grazing - Manage the harvest of vegetation with grazing and/or browsing animals with the intent to achieve specific ecological, economic and management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	3.8 Ac	09	2025	--	--
Total:	3.8 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

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USDA Office of the Assistant Secretary for Civil Rights

1400 Independence Avenue, SW.

Washington, DC 20250-9410

Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Conservation Plan Map

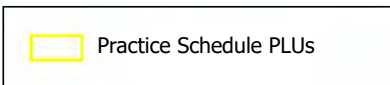
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 42.10

Assisted By: MALIK BAKER-GORE
NRCS
HARFORD COUNTY SERVICE CENTER



Source: Esri, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo and the GIS User Community, USDA-NRCS-NGCE

Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 64 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 64

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	06	2025	--	--
16	6.1 Ac	06	2025	--	--
2	10.5 Ac	06	2025	--	--
3	3.9 Ac	06	2025	--	--
5	9.2 Ac	06	2025	--	--
7	2.5 Ac	06	2025	--	--
8	2.0 Ac	06	2025	--	--
Total:	42.1 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	11	2025	--	--
16	6.1 Ac	11	2025	--	--
2	10.5 Ac	11	2025	--	--
3	3.9 Ac	11	2025	--	--
5	9.2 Ac	11	2025	--	--
7	2.5 Ac	11	2025	--	--
8	2.0 Ac	11	2025	--	--
Total:	42.1 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	06	2025	--	--
16	6.1 Ac	06	2025	--	--
2	10.5 Ac	06	2025	--	--
3	3.9 Ac	06	2025	--	--
5	9.2 Ac	06	2025	--	--
7	2.5 Ac	06	2025	--	--
8	2.0 Ac	06	2025	--	--
Total:	42.1 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	12	2024	--	--
16	6.1 Ac	12	2024	--	--
2	10.5 Ac	12	2024	--	--
3	3.9 Ac	12	2024	--	--
5	9.2 Ac	12	2024	--	--
7	2.5 Ac	12	2024	--	--
8	2.0 Ac	12	2024	--	--
Total:	42.1 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to

provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	06	2025	--	--
16	6.1 Ac	06	2025	--	--
2	10.5 Ac	06	2025	--	--
3	3.9 Ac	06	2025	--	--
5	9.2 Ac	06	2025	--	--
7	2.5 Ac	06	2025	--	--
8	2.0 Ac	06	2025	--	--
Total:	42.1 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	7.9 Ac	06	2025	--	--
16	6.1 Ac	06	2025	--	--
2	10.5 Ac	06	2025	--	--
3	3.9 Ac	06	2025	--	--
5	9.2 Ac	06	2025	--	--
7	2.5 Ac	06	2025	--	--
8	2.0 Ac	06	2025	--	--
Total:	42.1 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0578-0013. The time required to complete this information collection is estimated to average 45/0.75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection information.

PRIVACY ACT

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USDA Office of the Assistant Secretary for Civil Rights

1400 Independence Avenue, SW.

Washington, DC 20250-9410

Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 51.50

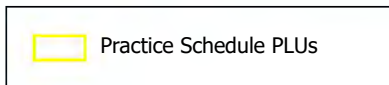
Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 65, Fields 1,2,F1,F2,F3,FS,HQ1,HQ2,HUA,P1,P2,P3



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Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 65 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 65

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Conservation Crop Rotation (328)

These fields will be farmed using a combination of conservation practices that reduce soil erosion to within acceptable limits. Lime and fertilizer will be applied according to your Nutrient Management Plan. All pesticides will be applied in accordance with the manufacturer's recommendations on the label and Maryland State law. Follow a rotation of corn, soybeans; corn, corn, soybeans; corn, small grain, soybeans; continuous corn; hay and cover crops may be added at any time.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2019	--	--
2	6.3 Ac	05	2019	--	--
Total:	20.0 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	11	2025	--	--
2	6.3 Ac	11	2025	--	--
Total:	20.0 Ac	--	--	--	--

Critical Area Planting (342)

Maintain grass cover in all natural drainage ways. Maintain a minimum width of 20 ft. Care will be taken to avoid spraying or tilling these areas.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	0.5 Ac	01	1980	--	--
Total:	0.5 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	12	2024	--	--
2	6.3 Ac	12	2024	--	--
Total:	20.0 Ac	--	--	--	--

Nutrient Management (590)

The amount, form, placement, and timing of applications of plant nutrients will be managed on all farmland. Plant nutrients to be managed include organic wastes, commercial fertilizers, legume crops, and crop residues. Nutrients shall be applied according to crop needs and soil test results. Contact the CES Nutrient Management Consultant for a detailed nutrient management plan.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2017	--	--
2	6.3 Ac	05	2017	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Implement a reduced-tillage system to maintain at least 30% surface residue after planting for all crops grown on these fields. Mulch-tillage will help to control erosion, improve water quality, and improve soil organic matter.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2018	--	--
2	6.3 Ac	05	2018	--	--
Total:	20.0 Ac	--	--	--	--

Farmstead

Tract: 65

Heavy Use Area Protection (561)

This area includes residential areas, access roads, barns and misc. areas. The landowner will maintain these areas to minimize erosion and enhance water quality.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ1	4356.00 SqFt	05	2015	--	--
HQ2	8712.00 SqFt	05	2015	--	--
Total:	13068.00 SqFt	--	--	--	--

Heavy Use Area Protection (561)

Construct an animal feeding area where indicated on the plan map to minimize soil erosion and to protect animal health. The heavy use area will be designed and installed according to NRCS standards and specifications, and will be maintained according to the attached Operation and Maintenance plan. This is a CBWI contract item.

Field	Planned Amount	Month	Year	Applied Amount	Date
HUA	8712.00 SqFt	06	2011	8712.00 SqFt	03/15/2012
Total:	8712.00 SqFt	--	--	8712.00 SqFt	--

Watering Facility (614)

Install a livestock watering trough for farm animal use.

Field	Planned Amount	Month	Year	Applied Amount	Date
HUA	1.00 No	03	2012	1.00 No	03/15/2012
Total:	1.00 No	--	--	1.00 No	--

Forest

Tract: 65

Forest Stand Improvement (666)

Woods are made up of various deciduous trees. Remove dead and diseased trees for firewood. Make sure to leave some dead trees for wildlife to use as dens or roosts. You can obtain a woodland management plan from DNR forestry at 410-836-4551.

Field	Planned Amount	Month	Year	Applied Amount	Date
F1	0.2 Ac	05	2017	--	--
F2	1.8 Ac	05	2017	--	--
F3	10.1 Ac	05	2017	--	--
Total:	12.1 Ac	--	--	--	--

Pasture

Tract: 65

Diversion (362)

The diversion shown on the plan map were constructed in prior years. Maintain good stand of grass and inspect annually for signs of erosion.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	700.00 Ft	01	1980	700.00 Ft	01/15/1980
Total:	700.00 Ft	--	--	700.00 Ft	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	0.5 Ac	06	2025	--	--
P2	2.2 Ac	06	2025	--	--
P3	13.5 Ac	06	2025	--	--
Total:	16.2 Ac	--	--	--	--

Nutrient Management (590)

The amount, form, placement, and timing of applications of plant nutrients will be managed on all farmland. Plant nutrients to be managed include organic wastes, commercial fertilizers, legume crops, and crop residues. Nutrients shall be applied according to crop needs and soil test results. Contact the CES Nutrient Management Consultant for a detailed nutrient management plan.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	13.5 Ac	12	2024	--	--
P1	0.5 Ac	12	2025	--	--
P2	2.2 Ac	12	2025	--	--
Total:	16.2 Ac	--	--	--	--

Prescribed Grazing (528)

Prescribed Grazing - Manage the harvest of vegetation with grazing and/or browsing animals with the intent to achieve specific ecological, economic and management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	0.5 Ac	05	2017	--	--
P1	0.5 Ac	05	2025	--	--
P2	2.2 Ac	06	2025	--	--
P3	13.5 Ac	06	2025	--	--
Total:	16.7 Ac	--	--	--	--

Water Well (642)

Install a well to provide water to cattle.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	1.00 No	03	2003	1.00 No	05/09/2003
Total:	1.00 No	--	--	1.00 No	--

Watering Facility (614)

Install a livestock watering trough for farm animal use.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	1.00 No	06	1996	1.00 No	06/28/1996
P3	1.00 No	06	1996	1.00 No	06/28/1996
P3	1.00 No	03	2003	1.00 No	05/09/2003
Total:	3.00 No	--	--	3.00 No	--

Protected

Tract: 65

Fence (382)

Install a fence to protect the filter strip.

Field	Planned Amount	Month	Year	Applied Amount	Date
FS	476.00 Ft	01	2012	476.00 Ft	07/13/2012
Total:	476.00 Ft	--	--	476.00 Ft	--

Filter Strip (393)

Plant a grass filter strip or strips to capture sediment and/or uptake nutrients. This is a CBWI contract item.

Field	Planned Amount	Month	Year	Applied Amount	Date
FS	0.3 Ac	01	2012	0.3 Ac	07/13/2012
Total:	0.3 Ac	--	--	0.3 Ac	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Conservation Plan Map

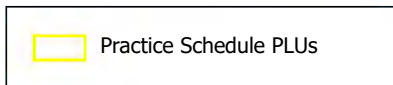
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 122.95

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 66, Fields 1,2,3,4,5,6,7,HQ,P1,W1



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 66 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 65

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Conservation Crop Rotation (328)

These fields will be farmed using a combination of conservation practices that reduce soil erosion to within acceptable limits. Lime and fertilizer will be applied according to your Nutrient Management Plan. All pesticides will be applied in accordance with the manufacturer's recommendations on the label and Maryland State law. Follow a rotation of corn, soybeans; corn, corn, soybeans; corn, small grain, soybeans; continuous corn; hay and cover crops may be added at any time.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2019	--	--
2	6.3 Ac	05	2019	--	--
Total:	20.0 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	11	2025	--	--
2	6.3 Ac	11	2025	--	--
Total:	20.0 Ac	--	--	--	--

Critical Area Planting (342)

Maintain grass cover in all natural drainage ways. Maintain a minimum width of 20 ft. Care will be taken to avoid spraying or tilling these areas.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	0.5 Ac	01	1980	--	--
Total:	0.5 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	12	2024	--	--
2	6.3 Ac	12	2024	--	--
Total:	20.0 Ac	--	--	--	--

Nutrient Management (590)

The amount, form, placement, and timing of applications of plant nutrients will be managed on all farmland. Plant nutrients to be managed include organic wastes, commercial fertilizers, legume crops, and crop residues. Nutrients shall be applied according to crop needs and soil test results. Contact the CES Nutrient Management Consultant for a detailed nutrient management plan.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2017	--	--
2	6.3 Ac	05	2017	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	06	2025	--	--
2	6.3 Ac	06	2025	--	--
Total:	20.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Implement a reduced-tillage system to maintain at least 30% surface residue after planting for all crops grown on these fields. Mulch-tillage will help to control erosion, improve water quality, and improve soil organic matter.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	13.7 Ac	05	2018	--	--
2	6.3 Ac	05	2018	--	--
Total:	20.0 Ac	--	--	--	--

Farmstead

Tract: 65

Heavy Use Area Protection (561)

This area includes residential areas, access roads, barns and misc. areas. The landowner will maintain these areas to minimize erosion and enhance water quality.

Field	Planned Amount	Month	Year	Applied Amount	Date
HQ1	4356.00 SqFt	05	2015	--	--
HQ2	8712.00 SqFt	05	2015	--	--
Total:	13068.00 SqFt	--	--	--	--

Heavy Use Area Protection (561)

Construct an animal feeding area where indicated on the plan map to minimize soil erosion and to protect animal health. The heavy use area will be designed and installed according to NRCS standards and specifications, and will be maintained according to the attached Operation and Maintenance plan. This is a CBWI contract item.

Field	Planned Amount	Month	Year	Applied Amount	Date
HUA	8712.00 SqFt	06	2011	8712.00 SqFt	03/15/2012
Total:	8712.00 SqFt	--	--	8712.00 SqFt	--

Watering Facility (614)

Install a livestock watering trough for farm animal use.

Field	Planned Amount	Month	Year	Applied Amount	Date
HUA	1.00 No	03	2012	1.00 No	03/15/2012
Total:	1.00 No	--	--	1.00 No	--

Forest

Tract: 65

Forest Stand Improvement (666)

Woods are made up of various deciduous trees. Remove dead and diseased trees for firewood. Make sure to leave some dead trees for wildlife to use as dens or roosts. You can obtain a woodland management plan from DNR forestry at 410-836-4551.

Field	Planned Amount	Month	Year	Applied Amount	Date
F1	0.2 Ac	05	2017	--	--
F2	1.8 Ac	05	2017	--	--
F3	10.1 Ac	05	2017	--	--
Total:	12.1 Ac	--	--	--	--

Pasture

Tract: 65

Diversion (362)

The diversion shown on the plan map were constructed in prior years. Maintain good stand of grass and inspect annually for signs of erosion.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	700.00 Ft	01	1980	700.00 Ft	01/15/1980
Total:	700.00 Ft	--	--	700.00 Ft	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	0.5 Ac	06	2025	--	--
P2	2.2 Ac	06	2025	--	--
P3	13.5 Ac	06	2025	--	--
Total:	16.2 Ac	--	--	--	--

Nutrient Management (590)

The amount, form, placement, and timing of applications of plant nutrients will be managed on all farmland. Plant nutrients to be managed include organic wastes, commercial fertilizers, legume crops, and crop residues. Nutrients shall be applied according to crop needs and soil test results. Contact the CES Nutrient Management Consultant for a detailed nutrient management plan.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	13.5 Ac	12	2024	--	--
P1	0.5 Ac	12	2025	--	--
P2	2.2 Ac	12	2025	--	--
Total:	16.2 Ac	--	--	--	--

Prescribed Grazing (528)

Prescribed Grazing - Manage the harvest of vegetation with grazing and/or browsing animals with the intent to achieve specific ecological, economic and management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
P1	0.5 Ac	05	2017	--	--
P1	0.5 Ac	05	2025	--	--
P2	2.2 Ac	06	2025	--	--
P3	13.5 Ac	06	2025	--	--
Total:	16.7 Ac	--	--	--	--

Water Well (642)

Install a well to provide water to cattle.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	1.00 No	03	2003	1.00 No	05/09/2003
Total:	1.00 No	--	--	1.00 No	--

Watering Facility (614)

Install a livestock watering trough for farm animal use.

Field	Planned Amount	Month	Year	Applied Amount	Date
P3	1.00 No	06	1996	1.00 No	06/28/1996
P3	1.00 No	06	1996	1.00 No	06/28/1996
P3	1.00 No	03	2003	1.00 No	05/09/2003
Total:	3.00 No	--	--	3.00 No	--

Protected

Tract: 65

Fence (382)

Install a fence to protect the filter strip.

Field	Planned Amount	Month	Year	Applied Amount	Date
FS	476.00 Ft	01	2012	476.00 Ft	07/13/2012
Total:	476.00 Ft	--	--	476.00 Ft	--

Filter Strip (393)

Plant a grass filter strip or strips to capture sediment and/or uptake nutrients. This is a CBWI contract item.

Field	Planned Amount	Month	Year	Applied Amount	Date
FS	0.3 Ac	01	2012	0.3 Ac	07/13/2012
Total:	0.3 Ac	--	--	0.3 Ac	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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PRIVACY ACT

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1400 Independence Avenue, SW.

Washington, DC 20250-9410

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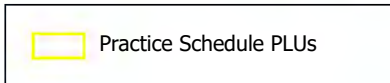
Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 165.80

Assisted By: MALIK BAKER-GORE
NRCS
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 72 has been identified as a potential location to receive manure from their home farm, Tract 59, for use in their permanent hay field.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 72

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	8.4 Ac	06	2025	--	--
3	11.4 Ac	06	2025	--	--
Total:	19.8 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	8.4 Ac	11	2025	--	--
3	11.4 Ac	11	2025	--	--
Total:	19.8 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.4 Ac	06	2025	--	--
2	8.4 Ac	06	2025	--	--
3	11.4 Ac	06	2025	--	--
4	9.6 Ac	06	2025	--	--
5	15.5 Ac	06	2025	--	--
6	10.9 Ac	06	2025	--	--
7	4.4 Ac	06	2025	--	--
8	3.7 Ac	06	2025	--	--
Total:	65.3 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.4 Ac	12	2024	--	--
2	8.4 Ac	12	2024	--	--
3	11.4 Ac	12	2024	--	--
4	9.6 Ac	12	2024	--	--
5	15.5 Ac	12	2024	--	--
6	10.9 Ac	12	2024	--	--
7	4.4 Ac	12	2024	--	--
8	3.7 Ac	12	2024	--	--
Total:	65.3 Ac	--	--	--	--

Pasture and Hay Planting (512)

Forage Planting - Establish adapted and/or compatible species, varieties, or cultivars of herbaceous species suitable for pasture, hay or biomass production to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.4 Ac	06	2025	--	--
4	9.6 Ac	06	2025	--	--
5	15.5 Ac	06	2025	--	--
6	10.9 Ac	06	2025	--	--
7	4.4 Ac	06	2025	--	--
8	3.7 Ac	06	2025	--	--
Total:	45.5 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	8.4 Ac	06	2025	--	--
3	11.4 Ac	06	2025	--	--
Total:	19.8 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.4 Ac	06	2025	--	--
2	8.4 Ac	06	2025	--	--
3	11.4 Ac	06	2025	--	--
4	9.6 Ac	06	2025	--	--
5	15.5 Ac	06	2025	--	--
6	10.9 Ac	06	2025	--	--
7	4.4 Ac	06	2025	--	--
8	3.7 Ac	06	2025	--	--
Total:	65.3 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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Conservation Plan Map

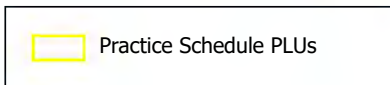
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 101.30

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 1175, Fields 1,2,3,4,5,6,7



Prepared with assistance from USDA-Natural Resources Conservation Service





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 1175 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 1175

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	06	2025	--	--
2	17.7 Ac	06	2025	--	--
3	12.3 Ac	06	2025	--	--
4	8.1 Ac	06	2025	--	--
5	0.6 Ac	06	2025	--	--
6	12.4 Ac	06	2025	--	--
Total:	67.9 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	11	2025	--	--
2	17.7 Ac	11	2025	--	--
3	12.3 Ac	11	2025	--	--
4	8.1 Ac	11	2025	--	--
5	0.6 Ac	11	2025	--	--
6	12.4 Ac	11	2025	--	--
Total:	67.9 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	06	2025	--	--
2	17.7 Ac	06	2025	--	--
3	12.3 Ac	06	2025	--	--
4	8.1 Ac	06	2025	--	--
5	0.6 Ac	06	2025	--	--
6	12.4 Ac	06	2025	--	--
Total:	67.9 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	12	2024	--	--
2	17.7 Ac	12	2024	--	--
3	12.3 Ac	12	2024	--	--
4	8.1 Ac	12	2024	--	--
5	0.6 Ac	12	2024	--	--
6	12.4 Ac	12	2024	--	--
Total:	67.9 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	06	2025	--	--
2	17.7 Ac	06	2025	--	--
3	12.3 Ac	06	2025	--	--
4	8.1 Ac	06	2025	--	--
5	0.6 Ac	06	2025	--	--
6	12.4 Ac	06	2025	--	--
Total:	67.9 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	16.8 Ac	06	2025	--	--
2	17.7 Ac	06	2025	--	--
3	12.3 Ac	06	2025	--	--
4	8.1 Ac	06	2025	--	--
5	0.6 Ac	06	2025	--	--
6	12.4 Ac	06	2025	--	--
Total:	67.9 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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Conservation Plan Map

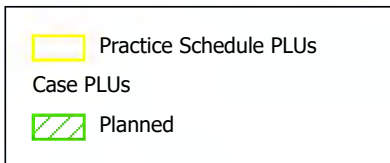
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 28.97

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 1217, Fields 3,4,8



Prepared with assistance from USDA-Natural Resources Conservation Service





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 1217 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 1217

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	10.0 Ac	06	2025	--	--
Total:	10.0 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	10.0 Ac	11	2025	--	--
Total:	10.0 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	10.0 Ac	06	2025	--	--
Total:	10.0 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient

recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	14.3 Ac	12	2024	--	--
4	4.7 Ac	12	2024	--	--
8	10.0 Ac	12	2024	--	--
Total:	29.0 Ac	--	--	--	--

Pasture and Hay Planting (512)

Forage Planting - Establish adapted and/or compatible species, varieties, or cultivars of herbaceous species suitable for pasture, hay or biomass production to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	14.3 Ac	06	2025	--	--
4	4.7 Ac	06	2025	--	--
Total:	19.0 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	10.0 Ac	06	2025	--	--
Total:	10.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	14.3 Ac	06	2025	--	--
4	4.7 Ac	06	2025	--	--
8	10.0 Ac	06	2025	--	--
Total:	29.0 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 86.47

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 1218, Fields 1,2,3,4,6



Prepared with assistance from USDA-Natural Resources Conservation Service



Conservation Practice Points		Conservation Practice Lines	
	Watering Facility (614)		Fence (382)
	Stream Crossing (578)		Practice Schedule PLUs





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 1218 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Pasture

Tract: 1218

Fence (382)

Fence - Install fence to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	1944.00 Ft	04	2000	--	--
6	933.00 Ft	04	2000	--	--
6	3914.00 Ft	04	2000	3914.00 Ft	07/07/2000
Total:	6791.00 Ft	--	--	3914.00 Ft	--

Stream Crossing (578)

Access to Land - Provide a stabilized area or structure constructed across a stream to provide access to another land unit for livestock grazing, cropping, or haying.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	1.00 No	04	2000	1.00 No	07/09/2000
6	1.00 No	06	2000	1.00 No	07/09/2000
Total:	2.00 No	--	--	2.00 No	--

Watering Facility (614)

Watering Facility - Install a watering facility to provide drinking water for livestock or wildlife.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	1.00 No	04	2000	1.00 No	07/09/2000
Total:	1.00 No	--	--	1.00 No	--



CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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Washington, DC 20250-9410

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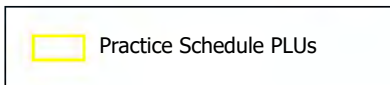
Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 50.80

Assisted By: MALIK BAKER-GORE
NRCS
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 1253 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 1253

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	19.5 Ac	12	2024	--	--
1	5.6 Ac	06	2025	--	--
Total:	25.1 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	19.5 Ac	09	2025	--	--
1	5.6 Ac	11	2025	--	--
Total:	25.1 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	19.5 Ac	12	2024	--	--
1	5.6 Ac	06	2025	--	--
Total:	25.1 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	12	2024	--	--
2	19.5 Ac	12	2024	--	--
Total:	25.1 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	19.5 Ac	12	2024	--	--
1	5.6 Ac	06	2025	--	--
Total:	25.1 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	19.5 Ac	12	2024	--	--
1	5.6 Ac	06	2025	--	--
Total:	25.1 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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Conservation Plan Map

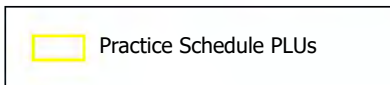
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 20.60

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 2145, Fields 1,5



Prepared with assistance from USDA-Natural Resources Conservation Service





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 2145 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 2145

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	06	2025	--	--
Total:	11.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	11	2025	--	--
Total:	11.6 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	06	2025	--	--
Total:	11.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient

recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	12	2024	--	--
Total:	11.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	06	2025	--	--
Total:	11.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	11.6 Ac	06	2025	--	--
Total:	11.6 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Conservation Plan Map

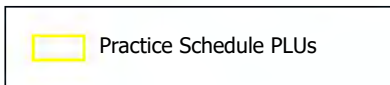
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 50.50

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 2256, Fields 1,2,3,4



Prepared with assistance from USDA-Natural Resources Conservation Service





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 2256 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 2256

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	06	2025	--	--
2	2.1 Ac	06	2025	--	--
3	14.7 Ac	06	2025	--	--
Total:	32.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	11	2025	--	--
2	2.1 Ac	11	2025	--	--
3	14.7 Ac	11	2025	--	--
Total:	32.6 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	06	2025	--	--
2	2.1 Ac	06	2025	--	--
3	14.7 Ac	06	2025	--	--
Total:	32.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	12	2024	--	--
2	2.1 Ac	12	2024	--	--
3	14.7 Ac	12	2024	--	--
Total:	32.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	06	2025	--	--
2	2.1 Ac	06	2025	--	--
3	14.7 Ac	06	2025	--	--
Total:	32.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.8 Ac	06	2025	--	--
2	2.1 Ac	06	2025	--	--
3	14.7 Ac	06	2025	--	--
Total:	32.6 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Washington, DC 20250-9410

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Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 19.84


Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 3390, Fields 1,2,3



Prepared with assistance from USDA-Natural Resources Conservation Service



 Practice Schedule PLUs





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 3390 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 3390

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	06	2025	--	--
3	3.0 Ac	06	2025	--	--
Total:	15.7 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	11	2025	--	--
3	3.0 Ac	11	2025	--	--
Total:	15.7 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	06	2025	--	--
3	3.0 Ac	06	2025	--	--
Total:	15.7 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	12	2024	--	--
3	3.0 Ac	12	2024	--	--
Total:	15.7 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	06	2025	--	--
3	3.0 Ac	06	2025	--	--
Total:	15.7 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	12.7 Ac	06	2025	--	--
Total:	12.7 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

<p>_____</p> <p>MY LADY'S MANOR FARM INC</p>	<p>_____</p> <p>DATE</p>
--	--------------------------

CERTIFICATION OF:

<p>_____</p> <p>PLANNER</p>	<p>_____</p> <p>DATE</p>
-----------------------------	--------------------------

<p>_____</p> <p>CERTIFIED PLANNER</p>	<p>_____</p> <p>DATE</p>
---------------------------------------	--------------------------

<p>CONSERVATION DISTRICT</p>	
<p>_____</p> <p>BALTIMORE COUNTY SCD</p>	<p>_____</p> <p>DATE</p>

<p>NRCS</p>
<p>_____</p> <p>DATE</p>

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Washington, DC 20250-9410

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Conservation Plan Map

Date: 11/7/2024

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland

Assisted By: JACK MCCULLOUGH
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 4355, Fields 1,2,3



 Practice Schedule PLUs



Prepared with assistance from USDA-Natural Resources Conservation Service

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BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 4355 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 4355

Conservation Crop Rotation (328)

Grow crops in a planned rotation that reduces erosion, improves soil quality, and helps break up pest cycles. Manage infestations of weeds, insects, and disease to reduce adverse effects on plant growth and crop production when economically viable. Follow the recommendations of the University of Maryland Extension - Baltimore County (410-771-1761) or a certified pest scout. All chemicals shall be applied in accordance with label recommendations and Maryland state law. Noxious weeds are required to be controlled by Maryland state law. Use a crop rotation of: SB, corn, SG

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
Total:	15.1 Ac	--	--	--	--

Cover Crop (340)

Temporary cover crops will be established to provide seasonal erosion protection, improve soil quality and for nutrient management purposes. Temporary cover establishment shall be in accordance with a seeding plan developed for these fields that details the cover crop, seeding rate, seeding dates, method of establishment, and kill-down. Cereal grains used for cover crops are not to be grown to full maturity and harvested for grain.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	09	2025	--	--
Total:	15.1 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
Total:	15.1 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	12	2024	--	--
Total:	15.1 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

Crops will be planted using No-Till methods in these fields.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
Total:	15.1 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	15.1 Ac	06	2025	--	--
Total:	15.1 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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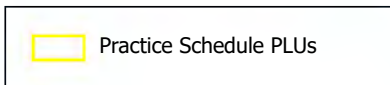
Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 11.64

Assisted By: MALIK BAKER-GORE
NRCS
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 10285 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 10285

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	06	2025	--	--
Total:	5.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	11	2025	--	--
Total:	5.6 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	06	2025	--	--
Total:	5.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient

recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	12	2024	--	--
Total:	5.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	06	2025	--	--
Total:	5.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.6 Ac	06	2025	--	--
Total:	5.6 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

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Conservation Plan Map

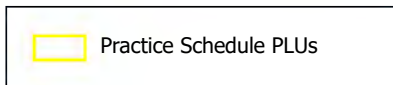
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 22.62

Assisted By: MALIK BAKER-GORE
NRCS
HARFORD COUNTY SERVICE CENTER
HARFORD SCD

Land Units: Tract 11025, Fields 1,HQ,W1



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tract 11025 has been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 11025

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	06	2025	--	--
Total:	5.1 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	11	2025	--	--
Total:	5.1 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	06	2025	--	--
Total:	5.1 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient

recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	12	2024	--	--
Total:	5.1 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	06	2025	--	--
Total:	5.1 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	5.1 Ac	06	2025	--	--
Total:	5.1 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Washington, DC 20250-9410

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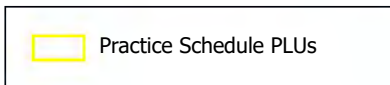
Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Location: Tract 11159, Tract 12066
Harford County, Maryland
Approximate Acres: 34.90
Land Units: Tract 11159, Fields 16,4 Tract 12066, Fields 22

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. Tract 11159 and Tract 12066 have been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 11159

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	06	2025	--	--
4	29.2 Ac	06	2025	--	--
Total:	33.3 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	11	2025	--	--
4	29.2 Ac	11	2025	--	--
Total:	33.3 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	06	2025	--	--
4	29.2 Ac	06	2025	--	--
Total:	33.3 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	12	2024	--	--
4	29.2 Ac	12	2024	--	--
Total:	33.3 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	06	2025	--	--
4	29.2 Ac	06	2025	--	--
Total:	33.3 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
16	4.1 Ac	06	2025	--	--
4	29.2 Ac	06	2025	--	--
Total:	33.3 Ac	--	--	--	--

Tract: 12066

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	06	2025	--	--
Total:	1.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	11	2025	--	--
Total:	1.6 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	06	2025	--	--
Total:	1.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	12	2024	--	--
Total:	1.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	06	2025	--	--
Total:	1.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
22	1.6 Ac	06	2025	--	--
Total:	1.6 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Conservation Plan Map

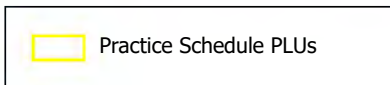
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 11764, Fields 8 Tract 11765, Fields 18,2 Tract 11766, Fields 19,3,5 Tract 11767, Fields 1



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 11764

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	12	2024	--	--
Total:	1.0 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	11	2011	1.0 Ac	11/01/2011
8	1.0 Ac	09	2025	--	--
Total:	2.0 Ac	--	--	1.0 Ac	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	12	2024	--	--
Total:	1.0 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	06	2012	1.0 Ac	06/28/2012
8	1.0 Ac	12	2024	--	--
Total:	2.0 Ac	--	--	1.0 Ac	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	12	2024	--	--
Total:	1.0 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
8	1.0 Ac	12	2024	--	--
Total:	1.0 Ac	--	--	--	--

Tract: 11765

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	12	2024	--	--
Total:	3.2 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	11	2011	3.2 Ac	11/01/2011
2	3.2 Ac	09	2025	--	--
Total:	6.4 Ac	--	--	3.2 Ac	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	12	2024	--	--
Total:	3.2 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	06	2012	3.2 Ac	06/28/2012
2	3.2 Ac	12	2024	--	--
Total:	6.4 Ac	--	--	3.2 Ac	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	12	2024	--	--
Total:	3.2 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	3.2 Ac	12	2024	--	--
Total:	3.2 Ac	--	--	--	--

Tract: 11766

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	12	2024	--	--
5	0.4 Ac	12	2024	--	--
Total:	2.2 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	11	2011	1.8 Ac	11/01/2011
5	0.4 Ac	11	2011	0.4 Ac	11/01/2011
3	1.8 Ac	09	2025	--	--
5	0.4 Ac	09	2025	--	--
Total:	4.4 Ac	--	--	2.2 Ac	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	12	2024	--	--
5	0.4 Ac	12	2024	--	--
Total:	2.2 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	06	2012	1.8 Ac	06/28/2012
5	0.4 Ac	06	2012	0.4 Ac	06/28/2012
3	1.8 Ac	12	2024	--	--
5	0.4 Ac	12	2024	--	--
Total:	4.4 Ac	--	--	2.2 Ac	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	12	2024	--	--
5	0.4 Ac	12	2024	--	--
Total:	2.2 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	1.8 Ac	12	2024	--	--
5	0.4 Ac	12	2024	--	--
Total:	2.2 Ac	--	--	--	--

Tract: 11767

Conservation Crop Rotation (328)

These fields will be farmed using a combination of conservation practices that reduce soil erosion to within acceptable limits. Lime and fertilizer will be applied according to your Nutrient Management Plan. All pesticides will be applied in accordance with the manufacturer's recommendations on the label and Maryland State law. Follow a rotation of corn, soybeans; corn, corn, soybeans; corn, small grain, soybeans; continuous corn; cover crops and hay may be used at any time.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	12	2024	--	--
Total:	4.2 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	09	2025	--	--
Total:	4.2 Ac	--	--	--	--

Cover Crop (340)

Plant a cover crop to halt erosion and limit leaching of nutrients in this field.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	06	2011	13.1 Ac	11/01/2011
Total:	4.2 Ac	--	--	13.1 Ac	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	12	2024	--	--
Total:	4.2 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	12	2024	--	--
Total:	4.2 Ac	--	--	--	--

Nutrient Management (590)

The amount, form, placement, and timing of applications of plant nutrients will be managed on all farmland. Plant nutrients to be managed include organic wastes, commercial fertilizers, legume crops, and crop residues. Nutrients shall be applied according to crop needs and soil test results. Contact the CES Nutrient Management Consultant for a detailed nutrient management plan.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	05	2012	13.1 Ac	06/28/2012
Total:	4.2 Ac	--	--	13.1 Ac	--

Residue and Tillage Management, No Till (329)

Manage organic residue so maximum amounts are left on the soil surface on a year-round basis. Plant crops in narrow slots or narrow tilled strips in previously untilled soil.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	12	2024	--	--
Total:	4.2 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	4.2 Ac	12	2024	--	--
Total:	4.2 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

PUBLIC BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0578-0013. The time required to complete this information collection is estimated to average 45/0.75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection information.

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Conservation Plan Map

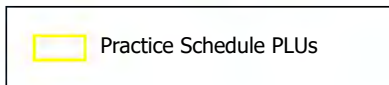
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 155.45

Assisted By: JACK MCCULLOUGH
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 10019, Fields 1 Tract 11808, Fields 1,11,12,2,3,4,6,8 Tract 11809, Fields 7



Prepared with assistance from USDA-Natural Resources Conservation Service





HARFORD COUNTY SERVICE CENTER
 2205 COMMERCE ROAD
 FOREST HILL, MD 21050
 (410) 838-3950

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County Maryland. Tracts 11808, 11809, & 10019 have been identified as receiving manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 10019

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	06	2025	--	--
Total:	18.6 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	11	2025	--	--
Total:	18.6 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	06	2025	--	--
Total:	18.6 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	12	2024	--	--
Total:	18.6 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	06	2025	--	--
Total:	18.6 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	18.6 Ac	06	2025	--	--
Total:	18.6 Ac	--	--	--	--

Tract: 11808

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	06	2025	--	--
11	5.1 Ac	06	2025	--	--
12	6.9 Ac	06	2025	--	--
2	11.5 Ac	06	2025	--	--
3	7.2 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
6	6.2 Ac	06	2025	--	--
8	17.0 Ac	06	2025	--	--
Total:	119.5 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	11	2025	--	--
11	5.1 Ac	11	2025	--	--
12	6.9 Ac	11	2025	--	--
2	11.5 Ac	11	2025	--	--
3	7.2 Ac	11	2025	--	--
4	11.6 Ac	11	2025	--	--
6	6.2 Ac	11	2025	--	--
8	17.0 Ac	11	2025	--	--
Total:	119.5 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	06	2025	--	--
11	5.1 Ac	06	2025	--	--
12	6.9 Ac	06	2025	--	--
2	11.5 Ac	06	2025	--	--
3	7.2 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
6	6.2 Ac	06	2025	--	--
8	17.0 Ac	06	2025	--	--
Total:	119.5 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	12	2024	--	--
11	5.1 Ac	12	2024	--	--
12	6.9 Ac	12	2024	--	--
2	11.5 Ac	12	2024	--	--
3	7.2 Ac	12	2024	--	--
4	11.6 Ac	12	2024	--	--
6	6.2 Ac	12	2024	--	--
8	17.0 Ac	12	2024	--	--
Total:	119.5 Ac	--	--	--	--

Residue and Tillage Management, No Till (329)

No-till - Minimize soil disturbance by limiting tillage to only planting and manage the amount, orientation and distribution of all residues to provide cover on the soil surface throughout the year.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	06	2025	--	--
11	5.1 Ac	06	2025	--	--
12	6.9 Ac	06	2025	--	--
2	11.5 Ac	06	2025	--	--
3	7.2 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
6	6.2 Ac	06	2025	--	--
8	17.0 Ac	06	2025	--	--
Total:	119.5 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	54.0 Ac	06	2025	--	--
11	5.1 Ac	06	2025	--	--
12	6.9 Ac	06	2025	--	--
2	11.5 Ac	06	2025	--	--
3	7.2 Ac	06	2025	--	--
4	11.6 Ac	06	2025	--	--
6	6.2 Ac	06	2025	--	--
8	17.0 Ac	06	2025	--	--
Total:	119.5 Ac	--	--	--	--

Tract: 11809

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	17.4 Ac	06	2025	--	--
Total:	17.4 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	17.4 Ac	12	2024	--	--
Total:	17.4 Ac	--	--	--	--

Pasture and Hay Planting (512)

Forage Planting - Establish adapted and/or compatible species, varieties, or cultivars of herbaceous species suitable for pasture, hay or biomass production to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	17.4 Ac	06	2025	--	--
Total:	17.4 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	17.4 Ac	06	2025	--	--
Total:	17.4 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

By Robert E. Weaver 11-13-24
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

PLANNER DATE

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
Luella C. Smith 11/13/24
DATE

NRCS
Robert Weaver 11/13/24
DATE

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USDA Office of the Assistant Secretary for Civil Rights

1400 Independence Avenue, SW.

Washington, DC 20250-9410

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PLANNER DATE

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CONSERVATION DISTRICT
Luella C. Smith 11/13/24
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Conservation Plan Map

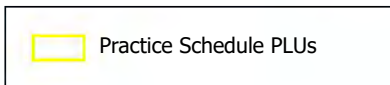
Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 87.70

Assisted By: JACK MCCULLOUGH
NRCS
BALTIMORE COUNTY SERVICE CENTER

Land Units: Tract 946, Fields 4,5,6,7



Prepared with assistance from USDA-Natural Resources Conservation Service





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. My Lady's Manor Farm leases the crop fields on Tract 946. Historically manure has not been applied to these fields, but based on their current management Tract 946 would be available to apply manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 946

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
4	1.7 Ac	05	2025	--	--
5	35.4 Ac	05	2025	--	--
6	20.4 Ac	05	2025	--	--
7	30.2 Ac	05	2025	--	--
Total:	87.7 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
4	1.7 Ac	09	2025	--	--
5	35.4 Ac	09	2025	--	--
6	20.4 Ac	09	2025	--	--
7	30.2 Ac	09	2025	--	--
Total:	87.7 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
4	1.7 Ac	06	2025	--	--
5	35.4 Ac	06	2025	--	--
6	20.4 Ac	06	2025	--	--
7	30.2 Ac	06	2025	--	--
Total:	87.7 Ac	--	--	--	--

Grassed Waterway (412)

Waterway - Establish a shaped or graded channel with suitable vegetation to convey surface water at a nonerosive velocity using a broad and shallow cross section to a stable outlet.

Field	Planned Amount	Month	Year	Applied Amount	Date
7	0.5 Ac	10	1989	--	--
Total:	0.5 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
4	1.7 Ac	03	2025	--	--
5	35.4 Ac	03	2025	--	--
6	20.4 Ac	03	2025	--	--
7	30.2 Ac	03	2025	--	--
Total:	87.7 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

CERTIFICATION OF PARTICIPANTS

Mary O. Smith 3/13/25
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF

Robert Weaver 3/13/25
CERTIFIED PLANNER DATE

CONSERVATION DISTRICT
BALTIMORE COUNTY SCD DATE

NRCS

DATE

Field	Planned Amount	Month	Year	Applied Amount	Date
4	1.7 Ac	08	2025	--	--
5	35.4 Ac	08	2025	--	--
6	20.4 Ac	08	2025	--	--
7	30.2 Ac	08	2025	--	--
Total:	87.7 Ac	--	--	--	--

PUBLIC BURDEN STATEMENT

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To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint](#) and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410, (2) fax: (202) 690-7442, or (3) email: program.intake@usda.gov.

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Conservation Plan Map

Client(s): MY LADY'S MANOR FARM INC
Baltimore County, Maryland
Approximate Acres: 72.20

Assisted By: JACK MCCULLOUGH
NRCS
BALTIMORE COUNTY SERVICE CENTER
BALTIMORE COUNTY SCD




Land Units: Tract 949, Fields 3,4



Prepared with assistance from USDA-Natural Resources Conservation Service



Conservation Practice Polygons

-  Critical Area Planting (342)
-  Grassed Waterway (412)
-  Practice Schedule PLUs





BALTIMORE COUNTY SERVICE CENTER
 1114 SHAWAN ROAD, SUITE 4
 COCKEYSVILLE, MD 21030-1385
 (410) 527-5920

Conservation Plan

MY LADY'S MANOR FARM INC
 4030 HOUCKS RD
 MONKTON, MD 21111

OBJECTIVE(S)

My Lady's Manor Farm is a dairy and cropland operation on several tracts in Harford and Baltimore County, Maryland. My Lady's Manor Farm leases the crop fields on Tract 949. Historically manure has not been applied to these fields, but based on their current management Tract 949 would be available to apply manure from their home farm, Tract 59, for use in the crop rotation of corn, soybeans, small grain for silage, and alfalfa.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 949

Conservation Crop Rotation (328)

Crop Rotation - Plan a sequence of crops grown on the same ground over a period of time to maintain or increase soil health, organic matter content, reduce erosion losses and reduce water quality degradation.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	51.8 Ac	05	2025	--	--
4	20.4 Ac	05	2025	--	--
Total:	72.2 Ac	--	--	--	--

Cover Crop (340)

Basic cover crop- Planting grasses, legumes, and/or forbs for seasonal vegetative cover- post harvest of the cash crop- to address natural resource concerns. Termination of the cover crop is timed to reduce delay of planting the next cash crop.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	51.8 Ac	09	2025	--	--
4	20.4 Ac	09	2025	--	--
Total:	72.2 Ac	--	--	--	--

Critical Area Planting (342)

Stabilize sites - Establish permanent vegetation on sites known to have high erosion rates or conditions that prevent the establishment of

vegetation with normal seed/planting methods.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	0.3 Ac	04	2022	--	--
Total:	0.3 Ac	--	--	--	--

Forage Harvest Management (511)

Forage Harvest - Cut and remove forages from the fields as hay, green-chop or silage in a timely manner in order to meet management objectives.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	51.8 Ac	06	2025	--	--
4	20.4 Ac	06	2025	--	--
Total:	72.2 Ac	--	--	--	--

Grassed Waterway (412)

Waterway - Establish a shaped or graded channel with suitable vegetation to convey surface water at a nonerosive velocity using a broad and shallow cross section to a stable outlet.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	0.5 Ac	05	1991	--	--
Total:	0.5 Ac	--	--	--	--

Nutrient Management (590)

NM Level 1 - Apply nutrients based on right source, rate, time, and place (4Rs) not to exceed Land Grant University nutrient recommendations or equivalent, utilizing soil testing and other nutrient monitoring to manage nutrient application for the crop rotation.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	51.8 Ac	03	2025	--	--
4	20.4 Ac	03	2025	--	--
Total:	72.2 Ac	--	--	--	--

Residue and Tillage Management, Reduced Till (345)

Reduced tillage - Minimize soil disturbance by reducing the number and type of yearly tillage operations to manage the amount, orientation and distribution of crop and plant residues.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	51.8 Ac	06	2025	--	--
4	20.4 Ac	06	2025	--	--
Total:	72.2 Ac	--	--	--	--

CERTIFICATION OF PARTICIPANTS

Mary O. Smith 3/13/25
MY LADY'S MANOR FARM INC DATE

CERTIFICATION OF:

CERTIFIED PLANNER DATE

CONSERVATION DISTRICT

BALTIMORE COUNTY SCD DATE

NRCS
Robert W. New 3/13/25
DATE

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Conservation Plan Map

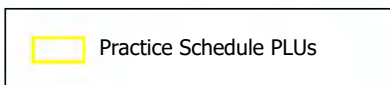
Client(s): MY LADY'S MANOR FARM INC
Harford County, Maryland
Approximate Acres: 9.30

Assisted By: JACK MCCULLOUGH
NRCS
HARFORD COUNTY SERVICE CENTER

Land Units: Tract 11024, Fields 1



Prepared with assistance from USDA-Natural Resources Conservation Service



REQUIRED RECORD KEEPING

*(SEE THE TEMPLATES
WHICH FOLLOW)*

Documentation of Records

Operators should maintain the following records to document plan implementation, as applicable.

Record	Description	Agency Requiring
Animal Mortality & Disposal	Date and number of dead animals collected and disposal method.	MDE
Documentation of Manure Storage Conditions	Design volume and days of capacity; any deficiencies in the manure handling system and actions taken to correct (for example: damage due to fire or storm, date occurred, how damage was fixed and date of repair)	MDE
Documentation of Discharges	Date, time, and estimated quantity of any discharges and steps taken to correct	MDE
Manure Available for Use and/or Removal	Estimate of removal of manure from poultry house (crust-out, total cleanout, center cut, etc) and destination (manure shed or export)	MDA/MDE
Manure Analysis	Copy of laboratory nutrient analysis of sample of manure produced on-farm (taken annually)	MDA/MDE
Animal Information	Type and number of animals kept on-farm and any changes in animal numbers	MDA/MDE
Manure Export/Transfer	Record of manure that leaves the farm – date, quantity (tons/gallons), and destination (Name/Address)	MDA/MDE
Comprehensive Nutrient Management Plan (CNMP)	Retain approved CNMP and documentation related to updates or changes to your CNMP	MDA/MDE
Nutrient Management Plan (NMP)	Retain certified Maryland NMP and documentation related to updates or changes to your NMP for a minimum of 3 years.	MDA/MDE
Calibration Record for Spreading Equipment	Time of year, calibration method used (load area, weight area). Must calibrate annually.	MDA
Soil test results	Who collected the samples and when, appropriate mgt. units	MDA/MDE
Results of Pre-Side Dress Nitrogen, Fall Nitrate Test, and/or Tissue Testing	Any alternative sampling technique used to address specific crop requirements that lead to a change in the applied amounts should be documented.	MDA
Crop records	Crops planted and planting/harvesting dates by field.	MDA
Nutrient Application Summary by Field	Nutrient Application records for each application event, including commercial fertilizers that are applied to supplement manure.	MDA
Reviews by third parties	Records associated with any reviews by NRCS, third-party consultants, or representatives of regulatory agencies.	MDE
Annual Implementation Report	Annual reports which summaries nutrient application activities	MDA/MDE



Oil Spill Prevention, Control, and Countermeasure (SPCC) Program: Information for Farmers

This fact sheet will assist you, as a farmer, in understanding your obligations under the SPCC Program.

What is SPCC?

The goal of the SPCC program is to prevent oil spills into waters of the United States and adjoining shorelines. Oil spills can cause injuries to people and damage to the environment. A key element of this program calls for farmers and other facilities to have an oil spill prevention plan, called an **SPCC Plan**. These Plans can help farmers prevent oil spills which can damage water resources needed for farming operations.

What is considered a farm under SPCC?

Under SPCC, a farm is: "a facility on a tract of land devoted to the production of crops or raising of animals, including fish, which produced and sold, or normally would have produced and sold, \$1,000 or more of agricultural products during a year."

Is my farm covered by SPCC?

SPCC applies to a farm which:

- Stores, transfers, uses, or consumes **oil or oil products**, such as diesel fuel, gasoline, lube oil, hydraulic oil, adjuvant oil, crop oil, vegetable oil, or animal fat; **and**
- Stores more than **1,320 US gallons** in aboveground containers or more than **42,000 US gallons** in completely buried containers; **and**
- Could **reasonably be expected to discharge oil to waters** of the US or adjoining shorelines, such as interstate waters, intrastate lakes, rivers, and streams.

if your farm meets all of these criteria, then your farm is covered by SPCC.

TIPS:

** Count only containers of oil that have a storage capacity of 55 US gallons and above.*

** Adjacent or non-adjacent parcels, either leased or owned, may be considered separate facilities for SPCC purposes. Containers on separate parcels (that the farmer identifies as separate facilities based on how they are operated) do not need to be added together in determining whether the 1,320-gallon applicability threshold is met.*

If my farm is covered by SPCC, what should I do?

The SPCC program requires you to prepare and implement an SPCC Plan. If you **already have a Plan**, maintain it. **If you do not have a Plan**, you should prepare and implement one. Many farmers will need to have their Plan certified by a Professional Engineer ("PE"). However, you may be eligible to self-certify your amended Plan if:

- Your farm has a total oil storage capacity between 1,320 and 10,000 gallons in aboveground containers, and the farm has a good spill history (as described in the SPCC rule), you may prepare and self-certify your own Plan. (However, if you decide to use certain alternate measures allowed by the federal SPCC Rule, you will need a PE.)
- Your farm has storage capacity of more than 10,000 gallons, or has had an oil spill you may need to prepare an SPCC Plan **certified by a PE**.

TIP: *If you are eligible to self certify your Plan, and no aboveground container at your farm is greater than 5,000 gallons in capacity, then you may use the Plan template that is available to download from EPA's Web site at: <http://www.epa.gov/oem/content/spcc/tier1temp.htm>*

When should I prepare and implement a Plan?

Farms in operation on or before August 16, 2002, must maintain or amend their existing Plan by **May 10, 2013**. Any farm that started operation after August 16, 2002, but before May 10, 2013, must prepare and use a Plan on or before **May 10, 2013**.

Note: If your farm was in operation before August 16, 2002, and you do not already have a Plan, you must prepare a Plan now. **Do not wait until May 10, 2013.**

What information will I need to prepare an SPCC Plan for my farm?

- A list of the oil containers at the farm by parcel (including the contents and location of each container);
- A brief description of the procedures that you will use to prevent oil spills. For example, steps you use to transfer fuel from a storage tank to your farm vehicles that reduce the possibility of a fuel spill;
- A brief description of the measures you installed to prevent oil from reaching water (see next section);
- A brief description of the measures you will use to contain and cleanup an oil spill to water; and
- A list of emergency contacts and first responders.

What spill prevention measures should I implement and include in my SPCC Plan?

- **Use** containers suitable for the oil stored. For example, use a container designed for flammable liquids to store gasoline;
- **Identify** contractors or other local personnel who can help you clean up an oil spill;
- **Provide overfill prevention** for your oil storage containers. You could use a high-level alarm, or audible vent, or establish a procedure to fill containers;
- **Provide effective, sized secondary containment** for bulk storage containers, such as a dike or a remote impoundment. The containment must be able to hold the full capacity of the container plus possible rainfall. The dike may be constructed of earth or concrete. A double-walled tank may also suffice;
- **Provide effective, general secondary containment** to address the most likely discharge where you transfer oil to and from containers and for mobile refuelers, such as fuel nurse tanks mounted on trucks or trailers. For example, you may use sorbent materials, drip pans or curbing for these areas; and
- **Periodically inspect and test pipes and containers.** You should visually inspect aboveground pipes and inspect aboveground containers following industry standards. You must "leak test" buried pipes when they are installed or repaired. EPA recommends you keep a written record of your inspections.

How and when do I maintain my SPCC Plan?

Amend and update your SPCC Plan when changes are made to the farm, for example, if you add new storage containers (e.g. tanks) that are 55 gallons or larger, or if you purchase or lease parcels with containers that are 55 gallons or larger. You must review your Plan every five years to make sure it includes any changes in oil storage at your farm.

What should I do if I have an oil spill?

- Activate your SPCC Plan procedures to prevent the oil spill from reaching a creek or river.
- Implement spill cleanup and mitigation procedures outlined in your Plan.
- **Notify the National Response Center (NRC) at 800-424-8802** if you have an oil discharge to waters or adjoining shorelines.
- If the amount of oil spilled to water is more than 42 gallons on two different occasions within a 12-month period or more than 1,000 gallons to water in a single spill event, then notify your EPA Regional office in writing.

For More Information**Read the SPCC rule and additional resources:**

<http://www.epa.gov/emergencies/spcc>

Call or send an e-mail to the EPA Ag Compliance Assistance Center: 1-888-663-2155

<http://www.epa.gov/agculture/agctr.html>

Call the Superfund, TRI, EPCRA, RMP, and Oil Information Center:

(800) 424-9346 or (703) 412-9810

TDD (800) 553-7672 or (703) 412-3323

<http://www.epa.gov/superfund/resources/infocenter>

In Case of an Emergency Storage Facility Spill, Leak, or Failure:

Implement the following first containment steps and where containment material is located:

This plan will be implemented in the event that animal by-products from your operation are leaking, overflowing, running off site or there is imminent danger that such may occur from damage or failure of the system or a threatening natural occurrence, such as a hurricane. You should not wait until manure reaches surface waters or leaves your property to consider that you have a problem. You should make every effort to ensure that this does not happen. This plan should be posted in an accessible location for all employees at the facility. The following are some action items you should take in the event of an emergency:

Action Plan

In case of an emergency; including a spill, leak, or failure:

Spills during transportation on public roadways:

1. Coordinate efforts with local law enforcement and emergency personnel.
2. Contain spill and divert waste away from watercourses;
3. Call for additional assistance, equipment, and supplies, as appropriate;
4. Remove spill with appropriate equipment such as: vacuum tank, front-end loader and spreader, or other method as directed by local or state authorities.

Spill area clean up:

1. Break down dike.
2. Dry out sand bags.
3. Properly discard any absorbent pads used.
4. Level any soil disturbance and incorporate residue.
5. Re-vegetate disturbed area.

If manure is spilled directly into waters of the state, it can create an environmental or public health hazard. Contact MDE as soon as possible within 24 hours after a spill.

Provide the following information:

1. Name and identification of the farm;
2. A description of the discharge and cause, including a description of the flow path to the receiving waters, and an estimate of the volume discharged;
3. Any obvious damage, such as a fish kill or property damage;
4. The period of discharge, including exact dates and times, and, if not corrected, the anticipated time the discharge is expected to continue;
5. Describe the steps being taken to reduce, eliminate, and prevent recurrence of the discharge.

Threatening Natural Occurrences

Prevent or minimize damage caused by threatening natural occurrences, such as hurricanes or strong storms associated with approaching fronts - actions include:

1. Do not spread manure on fields just prior to an approaching storm.
2. Do not spread manure on fields that flood during high rainfall events.
3. Notify State Veterinary Office - Animal Emergency Response Coordinator (See Table below) or Local Animal Emergency Response Coordinator for relocation of animals if needed.

Personal injury

1. Stop all other activities to deal with the emergency.
2. Call for help (See Emergency Contact Information).

Catastrophic deaths – Disease Related

1. Notify State Veterinary Office.
2. Limit exposure to other animals.
3. Prevent visitation by unnecessary people.
4. Dead animals should be moved into a DHEC approved transport vehicle or a DHEC approved storage area or bin.
5. Record date of catastrophic deaths, number of deaths, method and location of disposal.

Catastrophic deaths – Disaster Related

1. Notify State Veterinary Office - Animal Emergency Response Coordinator immediately. (See Emergency Contact Information)
2. Remove mortality from the barns/houses.
3. Dispose of mortality in the manner given in this CNMP for emergency dead animal disposal.
4. Record date of catastrophic deaths, number of deaths, method and location of disposal.

Manure Removal

1. Place manure in stacking structure if available. Do not stack old manure next to new or wet manure next to dry.
2. Records should be kept for any manure which is transported off the farm site.

Fire

1. Stop all other activities to deal with the emergency.
2. Try to extinguish the fire with the appropriate rated fire extinguishers.
3. If fire cannot be contained, call for help (See Emergency Contact Information)

Assess the extent of the spill and note any obvious damages

1. Did the by-product reach any surface waters?
2. Approximately how much was released and for what duration?
3. Any damage noted, such as employee injury, fish kills, or property damage?
4. Did the spill leave the property?
5. Did the spill have the potential to reach surface waters?
6. Could a future rain event cause the spill to reach surface waters?
7. Are potable water wells in danger (either on or off of the property)?
8. How much reached surface waters?

Provide the following information when reporting an emergency

1. Your name and phone number.
2. Directions to the farm.
3. Description of emergency.
4. Estimate of the amounts, area covered, and distance traveled.
5. Has manure reached surface waters or major field drains?
6. Is there any obvious damage: employee injury, fish kill, or property damage?
7. What activities are currently in progress to contain situation?

Implement procedures as advised by MD NRCS and technical assistance agencies to rectify the damage, repair the system, and reassess the manure management plan to keep problems with release of manure from happening again.

Documentation

The following items shall be documented in writing and filed with your farm operation records for future reference and emergency response training:

1. Date and time, location of spill, affected landowners.
2. Affect of manure spill on any surface water body or potable water well.
3. Approximately how much manure was released and for what duration.
4. Amount of manure, if any, which left the farm property.
5. Any damage, such as personal injury, fish kill, property damage.
6. Cause of the spill.
7. Procedure to handle the emergency.
8. Clean up efforts.
9. List of authorities called, those that responded, and the time it took for them to respond.
10. Recommendations to prevent a reoccurrence.

In Case of a Chemical Handling Emergency

Chemical Handling

This section contains information on using pesticides safely, emergency contact information, spill information and the proper disposal of pesticide containers. For further information, please contact the Maryland Department of Agriculture Pesticide Regulation Program.

USE PESTICIDES SAFELY

1. Check the label - Be sure the pest you need to control is listed on the label.
2. Buy only enough pesticide for one or, at most, two years. Pesticides stored longer may degrade and become less active.
3. Always wear long trousers, a long-sleeved shirt, socks, and shoes when applying any pesticide. Other protective equipment, such as a respirator, goggles, impermeable gloves and boots maybe necessary or desirable for extra protection.
4. Do not wear leather shoes, boots, or gloves while handling pesticides. Leather absorbs pesticides and cannot be decontaminated easily.
5. Take care to avoid pesticides coming into contact with your eyes, mouth, or skin.
6. Wash your hands with soap and water immediately after applying a pesticide. Shower as soon as possible.
7. Stand upwind while mixing and applying pesticides.
8. Unless the label specifically allows such use, never apply a pesticide where it could contact water sources, and avoid applying to bare ground.
9. Never apply a pesticide at a higher rate than the label directs.
10. Wash all clothing worn during mixing and application separately from household laundry. Use a heavy duty detergent and hot water. Dry the clothes in a hot dryer or outside in the sun.
11. Store pesticides only in their original containers. Keep them away from food, feed, seed, and fertilizers in a locked building or cabinet.
12. Dispose of empty pesticide containers in accordance with label directions and state and local requirements. See Disposal of Pesticide Containers

DISPOSAL OF PESTICIDE CONTAINERS

Pesticides (herbicides, insecticides, fungicides, etc.) are designed to be toxic. Improper disposal of pesticides or their containers can lead to environmental contamination and may incur both civil and criminal penalties. There is usually no safe and legal way to dispose of leftover pesticide; all of the chemical must be used up on registered sites or crops according to directions on the label. The Environmental Protection Agency (EPA) has accepted certain procedures, outlined below, which are designed to remove as much residue from the container as possible. Only after following these procedures may pesticide containers be deposited in a licensed sanitary landfill.

Containers of Liquid Formulations

1. Triple rinse the container immediately after emptying it into the spray tank:
Fill the container 1/4 full with the proper diluent (usually water or oil). Replace the closure or plug the opening. Rotate the container. Add rinsate to the spray tank. Repeat this procedure 2 more times
2. Puncture the top and bottom of the container to prevent its reuse.
3. Deposit the empty container in a licensed sanitary landfill.

Containers of Dry Formulations

1. Empty the contents into the tank, shaking the container to remove as much residue as possible. Take care not to inhale any dust.
2. Open both ends of the container to help remove residue and to prevent reuse.
3. Deposit the empty container in a licensed sanitary landfill.

If checked, the indicated measures will be taken to prevent chemicals and other contaminants from contaminating process waste water or storm water storage and treatment systems.

√	<i>Measure</i>
√	All chemicals are stored in proper containers. Expired chemicals and empty containers are properly disposed of in accordance with state and federal regulations. Pesticides and associated refuse are disposed of in accordance with the FIFRA label.
	Chemical storage areas are self-contained with no drains or other pathways that will allow spilled chemicals to exit the storage area.
√	Chemical storage areas are covered to prevent chemical contact with rain or snow.
	Emergency procedures and equipment are in place to contain and clean up chemical spills.
√	Chemical handling and equipment wash areas are designed and constructed to prevent contamination of surface waters and waste water and storm water storage and treatment systems.
	All chemicals are custom applied and no chemicals are stored at the operation. Equipment wash areas are designed and constructed to prevent contamination of surface waters and waste water and storm water storage and treatment systems.

EMERGENCY CONTACTS:

For individuals exposed to chemicals the following are the telephone numbers for emergency treatment centers and the telephone number for the nearest poison control center.

1. Maryland Poison Control Center 1-800-222-1222
2. Maryland Department of Agriculture (Pesticide Section), 410-841-2721
3. Delaware Department of Agriculture (Pesticide Section), 302-698-4570
4. CHEMTREC Emergency Hotline, 1-800-424-9300
5. Local Police/Fire 911
6. National Pesticide Information Center (NPIC), 1-800-858-7387, Monday - Friday, 6:30 a.m. to 4:30 p.m. Pacific Time

EMERGENCY SPILLS:

1. Fires, spills or other incidents of pesticide release to the environment must be reported immediately to the Maryland Department of the Environment (MDE), Emergency Response at: 1-866-633-4686 or 1-866 MDE-GOTO (24 hours a day, 7 days a week)
2. Fires, spills or other incidents of pesticide release to the environment can also be reported immediately to the State of Maryland Department of Agriculture: 1-410-841-5710 or 1-800-492-5590 (8:00 AM to 4:30 PM - Monday through Friday)
3. The 24-hour CHEMTRAC telephone number for emergency assistance is: 1-800-424-9300

Record Keeping - Monthly Animal & Mortality Count

Animal/Type:

Year:

Production Phase:

Month	Animal Count and Weight	Mortality	Mortality %	Comments
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				



Daily Water Line Inspection Log Sheet

Facility Name: _____ NPDES Permit No.: _____

Instructions:

- Initial the form *each day* after the inspection is complete
- If a leak is detected, place a check in the “leak detected” column

January, 20__		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

14		
15		
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23		
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25		
26		
27		
28		

29		
30		
31		
February, 20__		
Day	Initials	√ if Leak Detected
1		
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4		
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10		

11		
12		
13		
14		
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22		
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26		
27		
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29		
March, 20____		
Day	Initials	√ if Leak Detected
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30		
31		
April, 20____		
Day	Initials	√ if Leak Detected

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May, 20__		
Day	Initials	√ if Leak Detected
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25		
26		
27		
28		
29		
30		
31		
June, 20__		
Day	Initials	√ if Leak Detected
1		
2		
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7		
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11		
12		
13		
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20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
July, 20__		
Day	Initials	√ if Leak Detected
1		
2		
3		
4		
5		
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8		
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30		
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August, 20__

Day	Initials	√ if Leak Detected
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30		
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September, 20__

Day	Initials	√ if Leak Detected
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29		
30		

October, 20__		
Day	Initials	√ if Leak Detected
1		
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30		
31		
November, 20__		
Day	Initials	√ if Leak Detected
1		
2		
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10		
11		
12		
13		
14		
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22		
23		
24		
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26		
27		
28		
29		
30		
December, 20__		
Day	Initials	√ if Leak Detected
1		
2		
3		
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Manure, Litter, and Wastewater Storage Structures Documentation

Facility Name: _____ NPDES Permit No.: _____

Instructions:

For each storage structure, provide the following information in the table below:

- Structure Type: the type of storage structure (e.g. roofed storage shed, storage pond, anaerobic lagoon...)
- Total Design Storage Volume: the total capacity the storage structure was designed to hold (e.g. 100 ft³ or 1000 gallons)
- Design Treatment Volume: (*N/A for dry manure storage) the treatment capacity the structure was designed to treat
- Days of Storage Capacity: (*N/A for dry manure storage) the number of days the structure can accommodate its contents at the rate the operation places waste in it
- Volume for Solids Accumulation: the capacity of the structure available to accumulate solids

Structure Type	Total Design Storage Volume	Design Treatment Volume (N/A for dry manure storage)	Days of Storage Capacity (N/A for dry manure storage)	Volume for Solids Accumulation



Manure, Litter, and Wastewater Transfer Record Keeping Form

Facility Name: _____ NPDES Permit No.: _____

Use this sheet any time that manure or poultry litter is removed from a production or storage area and transferred to other persons (not under the control of your CAFO). Use additional sheets as necessary.

Date of Transfer (indicate whether import or export)	Manure Type (e.g. litter, wastewater)	Name and Address of Person(s) Received From or Transferred To	Quantity Transported (tons/gallons)



Nutrient Land Application Log Sheet

Facility Name: _____ **NPDES Permit No.:** _____

Instructions:

For each land application for each field, provide the following information in the table below:

- **Date:** the date you applied the manure/litter/process wastewater to the field
- **Field ID:** the field where you applied manure/litter/process wastewater. Use the same field identification that is used in your nutrient management plan
- **Method:** how you applied the manure/litter/process wastewater (e.g. surface w/incorporation, surface w/out incorporation, subsurface injection...)
- **Application Rate:** the number of tons or gallons *actually* applied per acre
- **Acres Applied:** the number of acres the manure/litter/process wastewater was applied to on the field
- **Total N:** the total amount of nitrogen you applied to the field from animal waste
- **Total P:** the total amount of phosphorous you applied to the field from animal waste

Date	Field ID	Method	Actual Application Rate	Acres Applied	Total N	Total P



Weekly Storage and Containment Structure Inspections Log Sheet

Facility Name: _____ NPDES Permit No.: _____

Instructions:

Use this form to keep records of weekly visual inspections of the structures you use to store or contain manure/litter/process wastewater. Use a separate form for each structure.

**Any deficiencies observed must be corrected within 30 days*

Storage or Containment Structure: _____

	Date	Initials	Depth Marker Reading (N/A for dry manure handling)	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						
Week 6						
Week 7						

			Depth Marker Reading (N/A for dry manure handling)	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
	Date	Initials				
Week 8						
Week 9						
Week 10						
Week 11						
Week 12						
Week 13						
Week 14						
Week 15						
Week 16						
Week 17						
Week 18						
Week 19						

			Depth Marker Reading (N/A for dry manure handling)	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Date	Initials					
Week 20						
Week 21						
Week 22						
Week 23						
Week 24						
Week 25						
Week 26						
Week 27						
Week 28						
Week 29						
Week 30						
Week 31						

			Depth Marker Reading (N/A for dry manure handling)	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
	Date	Initials				
Week 32						
Week 33						
Week 34						
Week 35						
Week 36						
Week 37						
Week 38						
Week 39						
Week 40						
Week 41						
Week 42						
Week 43						

			Depth Marker Reading (N/A for dry manure handling)	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
	Date	Initials				
Week 44						
Week 45						
Week 46						
Week 47						
Week 47						
Week 49						
Week 50						
Week 51						
Week 52						



Weekly Wastewater Facilities Inspections Log Sheet

Facility Name: _____ NPDES Permit No.: _____

Instructions:

Use this form to keep records of weekly visual inspections of your wastewater facilities (including pumps, storm water and runoff diversion devices, and devices used to channel contaminated storm water to a wastewater storage or containment structure).

**Any deficiencies observed must be corrected within 30 days*

List the items that need to be inspected below:

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 1					
Week 2					
Week 3					
Week 4					
Week 5					
Week 6					

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 7					
Week 8					
Week 9					
Week 10					
Week 11					
Week 12					
Week 13					
Week 14					
Week 15					
Week 16					
Week 17					
Week 18					
Week 19					
Week 20					

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 21					
Week 22					
Week 23					
Week 24					
Week 25					
Week 26					
Week 27					
Week 28					
Week 29					
Week 30					
Week 31					
Week 32					
Week 33					
Week 34					

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 35					
Week 36					
Week 37					
Week 38					
Week 39					
Week 40					
Week 41					
Week 42					
Week 43					
Week 44					
Week 45					
Week 46					
Week 47					
Week 48					

	Date	Initials	OK (√ if no problems)	Description of any Deficiencies Observed (put "N/A" if none observed)	Date Deficiency Corrected*
Week 49					
Week 50					
Week 51					
Week 52					

Appendix: Additional Supporting Information



AFO RESOURCE CONCERNS EVALUATION WORKSHEET

Name:	My Lady's Manor		Agency Interest #:	84136	
Planner:	David D. Kann		Farm # / Tract #:	T59	
Site Visit Date:	11/27/2024		Total Acres:	190	
County:	Harford		Production Area Acres:	14 acres	
RESOURCE CONCERN			YES	NO	ASSESSMENT
a.	Biosecurity measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All precautionary measures are in place and being followed. Visitor restrictions.	
b.	Chemical handling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All chemicals are stored in an appropriate designated storage area.	
c.	Cultural resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The production area is established and there are no proposed ground disturbance activities scheduled beyond this farmstead footprint or the current production area.	
d.	Feedlot area	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	A feedlot, located at the south end of the animal housing, is currently exposed to storm events, but all surface runoff is directed to manure storage.	
e.	Floodplains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	This is an existing operation and the production area is not located in the FEMA-100 year floodplain as per online mapping resources.	
f.	Gully erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No gully erosion was identified in the production area or associated water conveyances.	
g.	Livestock travel lanes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	
h.	Nutrient discharge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Opportunities or nutrient movement from the animal concentration area & production areas.	
i.	Objectionable odors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No unusual or excessive odors were observed during the site visit.	
j.	Particulate matter emissions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Through ventilation fans, typical levels. Grass filters in place to harbor and treat emissions.	
k.	Ponding, flooding, seasonal high water table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No issues were identified during the site visit.	
l.	Sediment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No obvious and observable sediment discharges are occurring from the production areas.	
m.	Streambank/shoreline erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None present.	
n.	Threatened/endangered species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No geospatial indicators have been identified on the production area.	
o.	Waste storage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Storage(s) for the primary dairy are in good condition. There needs to be additional storage for winter months and adverse weather time frames.	
p.	Waterways	<input type="checkbox"/>	<input checked="" type="checkbox"/>	In good vigorous sod. All water conveyances are being managed appropriately.	
q.	Wetlands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Avoidance measures are in place. The production area is either 100 feet from wetlands or skirted with vegetation and the required setbacks are in place to protect these resources.	

Online References

Maryland Department of the Environment (MDE) Regulations and General Permit for Animal Feeding Operations (AFO)

http://www.mde.state.md.us/programs/Land/SolidWaste/CAFOMAFO/Pages/Programs/LandPrograms/Solid_Waste/cafo/index.aspx

Environmental Protection Agency (EPA) Concentrated Animal Feeding Operations (CAFO) - Final Rule

<http://cfpub.epa.gov/npdes/afo/cafofinalrule.cfm>

Crop Fertilizer Recommendations

"Soil Fertility Management," Maryland Cooperative Extension, SFM-1, Oct. 2002

http://www.anmp.umd.edu/Pubs/Pubs_Crops.cfm

Nutrient Management Information Sheets

<http://www.anmp.umd.edu/Pubs/index.cfm>

Manure Nutrient Availability

Maryland Department of Agriculture, COMAR 15.20.08.05

http://www.mda.state.md.us/resource_conservation/nutrient_management/manual/estimated_mineralization_rates.php

Calibrating Manure Spreaders

University of Maryland Extension Fact Sheet 416 and Worksheets

http://www.anmp.umd.edu/Pubs/Pubs_Manure.cfm

http://www.anmp.umd.edu/Pubs/Pubs_Equip.cfm

Phosphorus Assessment

"The Maryland Phosphorus Site Index: An Overview," Maryland Cooperative Extension SFM-6, April 2005

<http://www.anmp.umd.edu/files/SFM-6.pdf>

"The Maryland Phosphorus Site Index: Technical Users Guide," Maryland Cooperative Extension SFM-7, April 2005

<http://www.anmp.umd.edu/files/SFM-7.pdf>

Mid-Atlantic Nutrient Management Handbook

<http://www.mawaterquality.org/Publications/pubs/manhcomplete.pdf>

Maryland Pesticide Regulation

http://www.mda.state.md.us/plants-pests/pesticide_regulation/index.php

Maryland Practice Standards eFOTG Section IV — Practice Standards and Specifications

<http://www.nrcs.usda.gov/technical/efotg/>