



PRINCE GEORGE'S SOIL CONSERVATION DISTRICT

Conservation Plan Report

Farmer Norma

1234 Urban Farm Lane
Upper Marlboro MD 20772
123-456-7891

Objective(s)

Maximize productivity on vegetable and herb farm through soil health and erosion control measures; minimize ponding and stormwater runoff (especially near house)



Crop

Composting Facility

Construct structure for biological stabilization of organic waste material. For information on composting, please refer to the UAC Cooperator Resources Google Drive folder and UMD Extension's Home & Garden Information Center. There is additional information in the UAC Cooperator Resource Google drive folder.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	1 Quantity	12	2019		
Total:	1.00 Quantity				

Conservation Cover

BCWI: Establish and maintain perennial vegetation in areas that will not be used for agricultural production to reduce soil erosion, and improve water quality and wildlife habitat. Control competition until perennial vegetation is established. After cover is established, mow one-third of the field each year during the month of August if needed to prevent volunteer establishment of trees and shrubs. Refer to attached Job Sheet for additional details including fertility, site preparation, species selection, planting rates, planting dates, and maintenance. Establish a perennial vegetative cover of pollinator plants and natives to protect soil and water resources and to improve wildlife habitat. Refer to the Xerces Society's Pollinator Plant list for the Mid-Atlantic Region, "Landscaping with Native Plants" from the MD Native Plant Society, and/or NRCS Maryland's "Native Grass and Wildflower Mix" plant list for species. These resources can be found in the UAC Program Cooperator Resources folder on the Google Drive.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.01 Acres	12	2019		
Total:	0.01 Acres				

Conservation Cover

Establish a perennial vegetative cover of pollinator plants and natives to protect soil and water resources and to improve wildlife habitat. Refer to the Xerces Society's Pollinator Plant list for the Mid-Atlantic Region, "Landscaping with Native Plants" from the MD Native Plant Society, and/or NRCS

Maryland's "Native Grass and Wildflower Mix" plant list for species. See UAC Cooperator Resources Google Drive Folder "Pollinators" for additional resources.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area2	0.06 Acres	12	2019		
Total:	0.06 Acres				

Conservation Crop Rotation

Grow crops in a planned rotation for biodiversity and to provide adequate amounts of organic material for erosion reduction, nutrient balance and sustained soil organic matter. These fields and/or raised beds will be farmed in a three to four year crop rotation cycle (minimum) that reduces erosion, improves soil quality, and helps to break up pest cycles. Rotate crop families such as alliums (garlic, onions); legumes (peanuts, peas, potatoes, beans); brassicas (kale, cabbage, collards); lettuce; umbellifers (carrots, celeriac, cilantro & celery); amaranth family (beets, chard & spinach); Nightshades (tomatoes, eggplant, peppers); cucurbits (cukes, melons & squash); and summer cover crop. Refer to "Crop Rotation on Organic Farms: A Planning Manual Publication" by Charles Mohler and Sue Ellen Johnson (available free for download from SARE.org) for guidance. Refer to Conservation Cover narrative for winter cover crop suggestions.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	1	2020		
Total:	0.12 Acres				

Contour Farming

Perform tillage and planting operations on the contour to increase water infiltration and reduce concentrated water flow. SCD staff can assist with marking contours. Also, see "Stormwater Management" folder in UAC Cooperator Resources Google Drive Folder for more information.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Contour Orchard and Other Perennial Crops

1: Plant orchards, vineyards, or small fruits so that all cultural operations are done on the contour or as close to the contour as practical. Contour base line will be maintained for future guidance.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Cover Crop

Plant a cover crop to reduce sheet and rill erosion and to improve soil quality. Plant early enough to provide four inches of height or fifty percent canopy cover before winter or to provide adequate biomass before spring planting. Establish cover crop using no till establishment methods whenever possible. Guidance on planting dates, species selection, and harvesting information and seeding rates are found on the attached Job Sheet for Cover Crop.

Please refer to the UMD Extension publication, "Protect and Improve Your Soil with Cover Crops" and other documents in the UAC Program Cooperator Resources' "Soil Health" folder for cover crop ideas.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Integrated Pest Management

00N: Manage infestations of weeds, insects and disease to reduce adverse effects on plant growth, crop production and material resources. For more information on IPM, please refer to <https://extension.umd.edu/ipm> as well as the UAC Program Cooperator Resources Google Drive Folder on "Pest & Weed Management." Consider complimentary practices such as cover crops, crop rotation, conservation cover and mulching.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Mulching

Apply and anchor plant residues or other suitable material to the soil surface to conserve moisture, prevent compaction, reduce runoff, control weeds and help establish a living cover of plants. See resources in "Pest & Weed Management" folder in the UAC Program Cooperator Resources Google Drive.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Mulching

Apply and anchor plant residues or other suitable material to the soil surface to conserve moisture, prevent compaction, reduce runoff, control weeds and help establish a living cover of plants. If applying straw or hay, apply enough to achieve 85% ground cover. If using plastic mulch, follow manufacturers instructions regarding thickness and color selection, as well as, proper installation for designated crop. See UAC Cooperator Resources Google Drive folder "Pest & Weed Management" for additional mulching resources.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area2	0.06 Acres	12	2019		
Total:	0.06 Acres				

Nutrient Management

Manage the amount, form, placement and timing of plant nutrient application. This property may be exempt from legislation that requires the owner to obtain a Nutrient Management Plan (may not meet the gross sales threshold of \$2,500). However, soil tests and obtaining a Nutrient Management Plan are recommended to determine soil fertility and the proper application of amendments including lime, fertilizer, manure, and compost. Contact UMD Extension, Prince George's County at 301-868-8783 for further information. Please review UMD Extension Ag Nutrient Management site as well:

<https://extension.umd.edu/anmp> .

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
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Farmer_Norma_T123 4_Area1	0.12 Acres	12	2019		
Total:	0.12 Acres				

Nutrient Management

Manage the amount, source, placement, form, and timing of the application of nutrients and soil amendments to minimize agricultural non point source pollution to surface and ground water resources. All plant nutrients will be applied based on a nutrient management plan developed for the farm. Nutrients from all sources will be included. The plan will include field by field application rates and the season in which they will be applied. Nutrient management plan recommendations will integrate phosphorus considerations using the current phosphorous index. To be considered implemented, the producer is required to adhere to manure and fertilizer application rates, timing, setbacks, and conditions and keep records that include: annual crop yields, manure and fertilizer application rates, locations, and timing, soil test results (every three years), manure test results (annually per manure group). This property may be exempt from legislation that requires the owner to obtain a Nutrient Management Plan. However, soil tests and obtaining a Nutrient Management Plan are recommended to determine soil fertility and the proper application of amendments including lime, fertilizer, manure, and compost. Contact UMD Extension, Prince George's County at 301-868-8783 for further information. Also refer to UMD Extension's Agricultural Nutrient Management Program page:

<https://extension.umd.edu/anmp>

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area2	0.06 Acres	12	219		
Total:	0.06 Acres				

Rain Barrel

A structure or series of structures that will collect, control, and convey precipitation runoff from a roof. When using roof runoff structures to irrigate food crops, please be aware of food safety regulations. Refer to FSMA's Produce Safety Rule for regulations as well as best practices for irrigating food crops and testing agricultural waters (<https://www.fda.gov/food/food-safety-modernization-act-fsma/fsma-final-rule-produce-safety>). You may find additional resources through UMD Extension's Food Safety Program (<https://extension.umd.edu/foodsafety/food-safety-modernization-act-fsma-good-agricultural-practicesgood-handling-practices>). Their educators can refer you to designs for best management practices like first flush diverters or filtration systems. Also review NRCS standards and specifications for installation and maintenance of this practice. Prince George's County Rain Check Rebate - <https://cbtrust.org/grants/prince-georges-county-rain-check-rebate/> . Additional food safety resources can be found on the UAC Cooperator Resources Google Drive folder.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Area2	1 Quantity	12	2019		
Total:	1.00 Quantity				

Farmstead

Rain Barrel

A structure or series of structures that will collect, control, and convey precipitation runoff from a roof. When using roof runoff structures to irrigate food crops, please be aware of food safety regulations. Refer to FSMA's Produce Safety Rule for regulations as well as best practices for irrigating food crops and testing agricultural waters (<https://www.fda.gov/food/food-safety-modernization-act-fsma/fsma-final-rule-produce-safety>). You may find additional resources through UMD Extension's Food Safety Program (<https://extension.umd.edu/foodsafety/food-safety-modernization-act-fsma-good-agricultural-practicesgood-handling-practices>). Their educators can refer you to designs for best management practices like first flush diverters or filtration systems. Also review NRCS standards and specifications for installation and maintenance of this practice. Prince George's County Rain Check Rebate - <https://cbtrust.org/grants/prince-georges-county-rain-check-rebate> Additional food safety resources can be found on the UAC Cooperator Resources Google Drive folder.

Field	Planned Amount	Planned Month	Planned Year	Applied Amount	Date
Farmer_Norma_T123 4_Farmstead	1 Quantity	12	2019		
Total:	1.00 Quantity				

This Conservation Plan was developed by the Prince George’s Soil Conservation District’s Urban Agricultural Conservation Program. Provided that any conservation practice(s) included in this plan are not under contract with NRCS, this is a living document that may be amended at any time per the request of the Cooperator or at the suggestion of the Planner (with consent from the Cooperator).

Urban farms are subject to zoning and other regulations per CB-14-2019. Please be mindful that before beginning your construction project and/or implementing any conservation practices that involve digging, contact Miss Utility at 811 or <https://www.missutility.net/maryland/> . If you plan to disturb more than 5,000 sq ft of soil, a Sediment Erosion Control Plan (<https://mde.maryland.gov/programs/Water/StormwaterManagementProgram/Pages/erosionsedimentcontrol.aspx>) and additional permits will be required by the State and/or County. For more information about permits for buildings and other structures, contact the Department of Permits, Inspections & Enforcement. Visit DPIE’s website at <https://www.princegeorgescountymd.gov/1024/Permitting-Inspections-and-Enforcement> .

If you have questions or concerns regarding your conservation plan or any of the suggested practices, please contact Kim Rush Lynch at 301.574.5162 x3 or karlynch@co.pg.md.us. For additional resources for your urban farm, please visit the Urban Agricultural Conservation Program page on the District’s website, <https://www.pgscd.org/urban-agricultural-conservation/> . The link to the UAC Program Cooperator Resources is bit.ly/UAC-Resources.

CERTIFICATION OF PARTICIPANTS

Norma Farms	
_____	_____
Nornma Cooperator	DATE

CERTIFICATION OF:

Prince George’s Conservation District	
_____	_____
Steve Darcey District Manger	DATE

Prince George’s Soil Conservation District	
_____	_____
Kim Rush Lynch Urban Ag Conservation Planner	DATE

Urban Farm Conservation Plan Map

Date: 12/1/2020

Plan ID: CP-33-00000 | Operator: Farmer Norma | Address: 1234 Urban Farm Lane, Upper Marlboro MD 20772

Customer: Kim Rush Lynch
District: Prince George's Soil Conservation District
Approx Acres: 0.27
Tract(s): 1234 Farm: 1234


Field Office: Prince George's County Service Center
Assisted By: Kim Rush Lynch, Urban Ag Conservation Planner
Zone: Rural-Residential, Priority Funding Area




Urban Farmer Norma Conservation Plan Map Legend


Business Data

BMP Points

 317: Composting Facility - Planned

 PA06: Rain Barrel - Planned

BMP Polygons


 317: Composting Facility - Planned


Land Units




Land Unit Labels

BMP Points

 317: Composting Facility - Planned

 PA06: Rain Barrel - Planned

BMP Polygons

 317: Composting Facility - Planned

Land Unit Boundaries



Conservation Plans



Reference Layers

Soil Map Units



MD Parcel Boundaries

Parcel Boundaries



PG Atlas Environmental

Soil (NRCS)



MoD—Marr-Dodon-Urban land complex, 5 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2p283

Elevation: 10 to 200 feet
Mean annual precipitation: 40 to 50 inches
Mean annual air temperature: 52 to 57 degrees F
Frost-free period: 180 to 210 days
Farmland classification: Not prime farmland

Map Unit Composition

Marr and similar soils: 40 percent
Dodon and similar soils: 30 percent
Urban land: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Soils, Slope and 2ft Contour

