

Final Report: One Page Summary
Agricultural BMPs in Cumberland County
Growing Greener Plus Document Number: 4100080380
Cumberland County Conservation District

PROJECT DESCRIPTION This grant included projects on three farming operations that had large brown concentrated animal feed areas where livestock would congregate most of the year. In order to reduce erosion and nutrient runoff on all three operations, the landowners agreed to install facilities that would accommodate their animals and store manure under roofs. Project timeframe: 10/6/2018-12/31/2020.

PROJECT GOALS Reduce sediment, nitrogen, and phosphorus nutrient runoff to the Conodoguinet Creek.

PROJECT RESULTS Consisted of three farms: Deliverable 1: Don McKeehan's Farm on Greason Road, which constructed a 15,960 cu.ft. waste storage facility (313), 11,032 sq.ft animal heavy use area (561), with roof over waste storage (367). Deliverable 2: Maystone Acres, constructed 21,187 cu.ft. waste storage facility (313) with roof (367), and 6,080 sq.ft. animal heavy use area (561). Deliverable #3: Toby Monismith constructed a 1,680 sq.ft. roof (367) over an existing waste storage facility (313) and heavy use area (561). These facilities will capture and store manure for use at appropriate times in conjuncture with the operator's respective nutrient management plans.

Nutrient Reductions				
Nutrient	Deliverable #1	Deliverable #2	Deliverable #3	Total
Sediment	1545.45 lbs	590.23 lbs	177.99 lbs	2,313.67 lbs
Nitrogen	2821.35 lbs	1873.25 lbs	11.97 lbs	4,706.57 lbs
Phosphorus	60.73 lbs	39.9 lbs	0.37 lbs	101.00 lbs

Nutrient Reductions calculated via FieldDoc.org

PICTURES



After: Maystone Acres. Roofed Waste Storage area and Heavy use area.



After: Monismith. Roofed heavy use area and waste storage facility.

PROJECT COSTS **\$ 176,291.26** Growing Greener Plus Grant Contributions
\$ 53,587.95 Local Landowner Contributions

LESSONS LEARNED Economic impacts of construction during a pandemic.

PARTNERS Cumberland County Conservation District, PA Dept. of Environmental Protection, and Natural Resource Conservation Service. Triple B Construction, was the contractor on all three projects.

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