

Chester County Agriculture Best Management Practices (BMPs) Proposed Implementation Rates

Best Management Practice	Amount	Units of Measure	Percent of Total Available Acres
Agriculture Compliance			
Soil Conservation and Water Quality Plans	26,210	Total Acres	~75%
Nutrient Management Core N	12,000	Total Acres	~30%
Nutrient Management Core P	8,000	Total Acres	~30%
Barnyard Runoff Control	20	New Acres	~75%
Soil Health			
Tillage Management-High Residue	11,000	Acres/Year	46%
Tillage Management-Conservation	8,000	Acres/Year	~35%
Cover Crop Traditional	6,000	Acres/Year	24%
Cover Crop Traditional with Fall Nutrients	12,500	Acres/Year	~50%
Commodity Cover Crops	300	Acres/Year	~2%
Prescribed Grazing	1,350	Total Acres	~25%
Horse Pasture Management	1,450	Total Acres	~25%
Expanded Nutrient Management			
Nutrient Management N Rate	5,000	Acres	~12%
Nutrient Management P Rate	5,000	Acres	~12%
Nutrient Management N Placement	4,000	Acres	~10%
Nutrient Management P Placement	4,000	Acres	~10%
Nutrient Management N Timing	4,000	Acres	~10%
Nutrient Management P Timing	4,000	Acres	~10%
Manure Storage Facilities			
Manure Storage Facilities	11,925	New AU's	N/A
Dairy Precision Feeding			
Dairy Cow Precision Feed Management	4,000	Dairy Cow AU's	52%
Integrated System for Elimination of Excess			
Manure Transport out of Chester County	1,000	Dry Tons/Year	N/A
Agriculture Riparian Zone			
Forest Buffer	300	New Acres	N/A
Forest Buffer-Streamside with Exclusion Fencing	300	New Acres	~21%
Forest Buffer-Narrow with Exclusion Fencing	200	New Acres	~15%
Grass Buffer	200	New Acres	N/A
Grass Buffer-Streamside with Exclusion Fencing	110	New Acres	~8%
Grass Buffer-Narrow with Exclusion Fencing	80	New Acres	~6%

The agriculture BMP implementation rates provided above are based on a combination of the state recommendations identified in the Chesapeake Bay Phase 3 Watershed Implementation Plan (WIP), engagements with local TSPs and agencies, and the Chester County Steering Committee.

**Chester County Stormwater Best Management Practices (BMPs)
Proposed Implementation Rates**

Best Management Practice	Amount	Units of Measure	Percent of Total Available Acres
Urban/Developed Areas Riparian Zone			
MS4 Riparian Forest Buffers	20	New Acres	~2%
Non-MS4 Forest Buffers	30	New Acres	~2%
Woods and Pollinator Habitat			
Conservation Landscaping	100	New Acres	N/A
Urban Forest Planting	20	New Acres	N/A
Urban Tree Canopy			
MS4 Urban Tree Canopy	10	New Acres	N/A
Forest, Farm, and Natural Areas Conservation			
Farmland Conservation	4,000	Total Acres	N/A
Forest Conservation	300	Total Acres	N/A
Wetland Conservation	20	Total Acres	N/A
Stream and Wetland Restoration			
Urban Stream Restoration	12,000	New Linear Feet	N/A
Non-urban Stream Restoration	22,430	New Linear Feet	N/A
Wetland Creation	15	New Acres	N/A
Wetland Restoration	30	New Acres	N/A
Control Measures for Illicit Discharges			
Advanced Grey Infrastructure IDD&E Control	3,000	Acres Treated	1%
Stormwater Control Measures			
Stormwater Performance Stds - RR	3,000	New Acres Treated	N/A
Stormwater Performance Stds - ST	89	New Acres Treated	N/A
Wet Ponds and Wetlands	50	New Acres Treated	N/A
Infiltration Practices	64	New Acres Treated	N/A
Bioretention/raingardens	58	New Acres Treated	N/A
Bioswales	25	New Acres Treated	N/A
Vegetated Open Channels	30	New Acres Treated	N/A
Filtering Practices	25	New Acres Treated	N/A
Industrial Stormwater			
Impervious Surface Reduction	4.00	Acres	N/A
Fertilizer Legislation			
Urban Nutrient Management	2,000	Acres	8%
Septic Systems			
Conventional Septic Denitrification	3,000	Systems	~18%
Septic System Pumping	6,000	Systems	~35%
Dirt & Gravel Road Program			
Driving Surface + Raising the Roadbed	2,000	Linear Feet	N/A

The stormwater BMP implementation rates provided above are based on a combination of the state recommendations identified in the Chesapeake Bay Phase 3 Watershed Implementation Plan (WIP), engagements with local agencies, and the Chester County Steering Committee.