

Berks County Agriculture Best Management Practices (BMPs) Proposed BMP Implementation Rates

Best Management Practice	Amount	Units of Measure	Percent of Total Available Acres
Agriculture Compliance			
Soil Conservation and Water Quality Plans	14,809	Total Acres	~81%
Nutrient Management Core N	12,068	Total Acres	~57%
Nutrient Management Core P	5,436	Total Acres	~25%
Barnyard Runoff Control	2	New Acres	~100%
Loafing Lot Management	2	New Acres	N/A
Soil Health			
Tillage Management-High Residue	6,600	Total Acres/Year	48%
Tillage Management-Conservation	6,145	Total Acres/Year	42%
Cover Crop Traditional	4,714	Total Acres/Year	~32%
Cover Crop Traditional with Fall Nutrients	4,500	Total Acres/Year	~32%
Cover Crop-Commodity	550	Total Acres/Year	~4%
Prescribed Grazing	717	Total Acres	~42%
Pasture Alt. Watering	400	Total Acres	~24%
Horse Pasture Management	20	Total Acres	~1%
Expanded Nutrient Management			
Nutrient Management N Rate	2,700	Acres	14%
Nutrient Management P Rate	2,700	Acres	14%
Nutrient Management N Placement	3,400	Acres	17%
Nutrient Management P Placement	2,700	Acres	14%
Nutrient Management N Timing	3,800	Acres	19%
Nutrient Management P Timing	2,700	Acres	14%
Manure Storage Facilities			
Manure Storage Facilities	6,320	New AU's	N/A
Dairy Precision Feeding			
Dairy Cow Precision Feed Management	2,300	Dairy Cow AU's	N/A
Integrated System for Elimination of Excess			
Manure Transport out of Berks County	2,000	Dry Tons/Year	N/A
Manure Incorporation	700	Acres	N/A
Poultry Mortality Composting	2	Systems	N/A
Agriculture Riparian Zone			
Forest Buffer	300	New Acres	N/A
Forest Buffer-Streamside with Exclusion Fencing	50	New Acres	N/A
Forest Buffer-Narrow with Exclusion Fencing	50	New Acres	N/A
Grass Buffer	300	New Acres	N/A
Grass Buffer-Streamside with Exclusion Fencing	10	New Acres	N/A
Grass Buffer-Narrow with Exclusion Fencing	10	New Acres	N/A

The agriculture BMP implementation rates provided above are a combination of the state recommendations identified in the Chesapeake Bay Phase 3 Watershed Implementation Plan (WIP), engagements with local stakeholders and agencies, and the Berks County Management Team

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

Best Management Practice	Amount	Units of Measure	Percent of Total Available Acres
Urban/Developed Areas Riparian Zone			
MS4 Riparian Forest Buffers	5	New Acres	N/A
Non-MS4 Forest Buffers	15	New Acres	~4%
Woods and Pollinator Habitat			
Conservation Landscaping	40	New Acres	~<1%
Urban Forest Planting	10	New Acres	N/A
Urban Tree Canopy			
MS4 Urban Tree Canopy	1	New Acres	N/A
Forest, Farm, and Natural Areas Conservation			
Farmland Conservation	492	Total Acres	N/A
Forest Conservation	293	Total Acres	N/A
Wetland Conservation	15	Total Acres	N/A
Stream and Wetland Restoration			
Urban Stream Restoration	1,500	New Linear Feet	N/A
Non-urban Stream Restoration	3,500	New Linear Feet	N/A
Wetland Restoration	28	Total Acres	N/A
Wetland Creation	12	Total Acres	N/A
Stormwater Control Measures			
Runoff Reduction Performance Standards	400	New Acres Treated	~4%
SW Treatment Performance Standards	200	New Acres Treated	~2%
Extended Dry Ponds	50	New Acres Treated	~<1%
Infiltration Practices	40	New Acres Treated	~<1%
Bioretention/rain gardens	25	New Acres Treated	~<1%
Vegetated Open Channel	25	New Acres Treated	~<1%
Control Measures for Illicit Discharges			
Advanced Grey Infrastructure IDD&E Control	140	Acres Treated	2%
Industrial Stormwater			
Impervious Surface Reduction	0.24	Acres	N/A
Fertilizer Legislation			
Urban Nutrient Management	650	Acres	9%
Septic Systems			
Septic Denitrification-Conventional	150	Systems	N/A
Septic System Pumping	300	Systems	N/A
Septic Connections	75	Total Systems	N/A
Dirt & Gravel Road Program			
Driving Surface + Raising the Roadbed	750	New Linear Feet	N/A

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