

Phase 1 WIP

Table 5.4-1 Current Progress and Projected Agriculture BMP Implementation Levels for 2017 and 2025 using P5.3 Model

Input Deck BMPs	2009 % Treatment	2017 Coverage Level	2025 Coverage Level
Forest Buffers Riparian Cropland and Specialty Crops	1.3 %	3 %	5 %
Forest Buffers Riparian Hay	0 %	1 %	5 %
Forest Buffers Riparian Pasture	8 %	10 %	10 %
Grass Buffers Riparian Cropland and Specialty Crops	9 %	30 %	90 %
Grass Buffers Riparian Hay	0 %	1 %	90 %
Grass Buffers Riparian Pasture	12 %	15 %	20 %
Land Retirement Ag	3 %	5 %	5 %
Upland Tree Planting Ag	0.7 %	5 %	5 %
Wetland Restoration	0.05 %	0.15 %	0.20 %
Continuous No-Till	11 %	35 %	60 %
Conservation Till (includes CNT acres)	57 %	80 %	90 %
Conservation Plan Cropland and Specialty Crops	60 %	65 %	95 %
Conservation Plan Hay	7 %	40 %	95 %
Conservation Plan Pasture	41 %	50 %	95 %
Cover Crop Standard planting	4 %	10 %	10 %
Cover Crop Early planting	3 %	10 %	20 %
Commodity Cover Crop Early planting	4 %	10 %	15 %
Stream Protection with Fencing (linear feet)	15 %	45 %	95 %
Alternative Water Pasture	2 %	2 %	0 %
Prescribed Grazing Pasture	20 %	40 %	60 %
Animal Waste Management System	25 %	34 %	95 %
Nutrient Management Cropland & Specialty Crops	59 %	90 %	95 %
Nutrient Management Hay	18 %	90 %	95 %
Nutrient Management Pasture	5 %	15 %	20 %
Non Urban Stream Restoration (linear feet)	0.02%	0.11%	0.22%
Poultry Mortality Composters	-	100%	100%
Swine Mortality Composters	-	95 %	95 %
Water Control Structures	-	-	1,000 acres
Manure Transport (Exported from Rockingham & Page to Outside Bay Watershed)	-	5,000 tons	75,000 tons
Manure Transport (Exported from Rockingham & Page but within Chesapeake Bay Watershed)	-	75,000 tons	75,000 tons
Poultry Phytase Phosphorus 30% Reduction in Broilers and Turkeys	60 %	100 %	100 %
Swine Phytase Phosphorus 35% Reduction	60 %	100 %	100 %
Precision / Decision Agriculture on Cropland	-	50,000 acres	50%
Container Nursery and Greenhouse Runoff / Leachate Recovery	-	-	95%