

COMET-Planner Report: Approximate Carbon Sequestration and Greenhouse Gas Emission Reductions

Project Name: Montgomery FY22 BMPS

State: Maryland

County: Montgomery

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NRCS Conservation Practices	Acreage	Carbon Dioxide	Nitrous Oxide	Methane	Total CO2 Equivalent
Add Non-Legume Seasonal Cover Crop (with 25% Fertilizer N Reduction) to Non-Irrigated Cropland	18384	3654	-79	0	3575
Improved N Fertilizer Management on Non-Irrigated Croplands - Reduce Fertilizer Application Rate by 15%	16052	N.E.**	-121	0	-121
Intensive Till to Reduced Till on Non-Irrigated Cropland	26257	6373	220	0	6593
Reduced Till to No Till or Strip Till on Non-Irrigated Cropland	7147	2681	266	0	2947
Grazing Management to Improve Rangeland or Non-Irrigated Pasture Condition	345.2	14	-36	0	-22
Convert Non-Irrigated Cropland to Permanent Unfertilized Grass/Legume Cover	89.1	91	12	0	103
Convert Strips of Non-Irrigated Cropland to Permanent Unfertilized Grass/Legume Cover	5.19	5	1	0	6
Convert Strips of Non-Irrigated Cropland to Permanent Unfertilized Grass/Legume Cover	5.25	5	1	0	6
Restore Highly Disturbed Areas by Planting Permanent Vegetative Cover	4.72	9	0	N.E.**	9
Totals	68289.46	12832	264	0	13096

*Negative values indicate a loss of carbon or increased emissions of greenhouse gases

**Values were not estimated due to limited data on reductions of greenhouse gas emissions from this practice

For more information on how these estimates were generated, please visit www.comet-planner.com.