USDA NRCS Natural Resources Conservation Service

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 10492 F 1- Rotation needed to meet baseline for tillage is 10 years of spring planted alfalfa/grass hay planted with a grain nurse crop receiving manure and 2 years of spring plowed corn grain with manure. Average soil loss rate is 1.3 T/ac/yr.

Inputs:

Owner name	*Location*	--
Schrack	**USA\Pennsylvania\Clinton County**	

Location	*Soil*	*T value*	*Slope length (horiz)*	*Avg. slope steepness, %*
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\HeB Hagerstown silt loam, 3 to 8 percent slopes\Hagerstown Silt loam 85%	5.0	100	7.0

Outputs:

Base management	*Description*	*Contouring*	*Strips / barriers*	*Diversion/terrace, sediment basin*	*Soil loss erod. portion, t/ac/yr*	*Soil detachment, t/ac/yr*	*Cons. plan. soil loss, t/ac/yr*	*Sed. delivery, t/ac/yr*
CMZ 65\c.Other Local Mgt Records\Schrack 10 A/G, 2 CG		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	1.5	1.5	1.3	1.3

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RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 10492 F 3- Rotation needed to meet baseline for tillage is 10 years of spring planted alfalfa/grass hay planted with a grain nurse crop receiving manure and 2 years of spring plowed corn grain with manure. Average soil loss rate is 1.7 T/ac/yr.

Inputs:

Owner name	*Location*	*--*
Schrack	**USA\Pennsylvania\Clinton County**	

Location	*Soil*	*T value*	*Slope length (horiz)*	*Avg. slope steepness, %*
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\HeB Hagerstown silt loam, 3 to 8 percent slopes\Hagerstown Silt loam 85%	5.0	130	9.0

Outputs:

Base management	*Description*	*Contouring*	*Strips / barriers*	*Diversion/terrace, sediment basin*	*Soil loss erod. portion, t/ac/yr*	*Soil detachment, t/ac/yr*	*Cons. plan. soil loss, t/ac/yr*	*Sed. delivery, t/ac/yr*
CMZ 65\c.Other Local Mgt Records\Schrack 10 A/G, 2 CG		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	2.0	2.0	1.7	1.7