

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 343 F 1- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain with manure, 1 year of chisel plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 3.7 T/ac/yr.

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>--</i>
Schrack	USA\Pennsylvania\Clinton County	

<i>Location</i>	<i>Soil</i>	<i>T value</i>	<i>Slope length (horiz)</i>	<i>Avg. slope steepness, %</i>
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\HeC Hagerstown silt loam, 8 to 15 percent slopes\Hagerstown Gravelly silt loam 85%	5.0	60	17

Outputs:

<i>Base management</i>	<i>Description</i>	<i>Contouring</i>	<i>Strips / barriers</i>	<i>Diversion/terrace, sediment basin</i>	<i>Soil loss erod. portion, t/ac/yr</i>	<i>Soil detachment, t/ac/yr</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>
CMZ 65\c.Other Local Mgt Records\Schrack 3 CG mt, 1 CS mt, 4 A		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	3.8	3.8	3.7	3.7

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Info: Schrack F 343 F 2- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year of spring plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 3.5 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\MuD Murrill silt loam, 15 to 25 percent slopes\Murrill Silt loam 80%	5.0	100	12

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 3 CG mt, 1 CS mt, 4 A		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	3.7	3.7	3.5	3.5

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Info: Schrack T 343 F 4- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year of spring plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 4.8 T/ac/yr.

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>--</i>
Schrack	USA\Pennsylvania\Clinton County	

<i>Location</i>	<i>Soil</i>	<i>T value</i>	<i>Slope length (horiz)</i>	<i>Avg. slope steepness, %</i>
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\HeC Hagerstown silt loam, 8 to 15 percent slopes\Hagerstown Gravelly silt loam 85%	5.0	60	16

Outputs:

<i>Base management</i>	<i>Description</i>	<i>Contouring</i>	<i>Strips / barriers</i>	<i>Diversion/terrace, sediment basin</i>	<i>Soil loss erod. portion, t/ac/yr</i>	<i>Soil detachment, t/ac/yr</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery, t/ac/yr</i>
CMZ 65\c.Other Local Mgt Records\Schrack 3 CG, 1 CS, 4 A		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	4.9	4.9	4.8	4.8