

## RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 335 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 4.0 T/ac/yr.

**Inputs:**

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\Pb Philo silt loam\Philo Silt loam 90%	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)	4.3	4.3	4.0	4.0

## RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 335 F 2- 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 4.5 T/ac/yr.

**Inputs:**

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
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:**

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)	4.7	4.7	4.5	4.5

## RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 335 F 3- 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 4.2 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\HeC Hagerstown silt loam, 8 to 15 percent slopes\Hagerstown Gravelly silt loam 85%	5.0	90	13

**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)	4.4	4.4	4.2	4.2

## RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 335 F 4- 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 4.5 T/ac/yr., which can be rounded down to 4 T/A/yr. under the guidelines of RUSLE2.

**Inputs:**

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\BuC Buchanan-Andover gravelly loams, 8 to 15 percent slopes\Buchanan Silt loam 60%	4.0	50	18

**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)	4.7	4.7	4.5	4.5