

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 2- Rotation needed to meet baseline for tillage is 4 years of plowed corn silage followed by 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 3.3 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\HeA Hagerstown silt loam, 0 to 3 percent slopes\Hagerstown Silt loam 85%	5.0	140	3.0

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 4 CS, 4 H		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	3.7	3.7	3.3	3.3

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 5- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain with manure, 1 year chisel plowed corn silage with manure and 4 years of alfalfa that is planted with a grain nurse crop that receives manure. Average soil loss rate is 4.8 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	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)	5.0	5.0	4.8	4.8

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 6 & 13- Rotation needed to meet baseline for tillage is 4 years of plowed corn silage followed by 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 4.6 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\Mn Melvin and Newark silt loams\Melvin Silt loam 40%	5.0	200	3.0

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 4 CS, 4 H		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	5.2	5.2	4.6	4.6

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 7- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year chisel plowed corn silage with manure and 4 years of alfalfa that is planted with a grain nurse crop that receives manure. Average soil loss rate is 3.2 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\HeB Hagerstown silt loam, 3 to 8 percent slopes\Hagerstown Silt loam 85%	5.0	150	6.0

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 3 CG, 1 CS, 4 A		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	3.4	3.4	3.2	3.2

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 8- Rotation needed to meet baseline for tillage is 4 years of no-till corn silage followed by 4 years of spring planted alfalfa that is planted with a grain nurse crop and receives manure. Average soil loss rate is 3.3 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 4 CS NT, 4 H		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	4.1	4.1	3.6	3.6

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 9- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain with manure, 1 year chisel plowed corn silage with manure and 4 years of alfalfa that is planted with a grain nurse crop that receives manure. Average soil loss rate is 4.6 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	80	14

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)	4.9	4.9	4.6	4.6

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 10- Rotation needed to meet baseline for tillage is 8 years of continuous spring planted no-till corn grain with manure. Average soil loss rate is 1.6 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\Pb Philo silt loam\Philo Silt loam 90%	5.0	100	1.0

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 CONT CG min		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	1.6	1.6	1.6	1.6

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 11- Rotation needed to meet baseline for tillage is 3 years of minimum tillage corn grain with manure, 1year minimum tillage corn silage with manure and 4 years of alfalfa that is 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\HeB Hagerstown silt loam, 3 to 8 percent slopes\Hagerstown Silt loam 85%	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)	4.5	4.5	4.2	4.2

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 12- Rotation needed to meet baseline for tillage is 4 years of plowed corn silage followed by 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 3.0 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\Pc Philo-Linden silt loams\Philo Silt loam 45%	5.0	100	3.0

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 4 CS, 4 H		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	3.4	3.3	3.0	2.9

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 14- Rotation needed to meet baseline for tillage is 10 years of spring planted alfalfa/grass hay that receives manure and 4 years of spring plowed corn grain receiving manure. Average soil loss 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\BeB Berks channery silt loam, 3 to 8 percent slopes\Berks Channery silt loam 75%	3.0	140	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)	1.4	1.4	1.3	1.2

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 579 F 15- Rotation needed to meet baseline for tillage is 8 years of continuous no-till plowed corn grain with manure. Average soil loss rate is 1 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\BuC Buchanan-Andover gravelly loams, 8 to 15 percent slopes\Buchanan Silt loam 60%	4.0	120	10

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\ a. Single Year/ Single Crop Templates\corn grain w/manure\liquid surface\Corn, grain, fmanl; nt, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	0.94	0.94	0.94	0.94