

RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring plowed corn grain and no-till soybeans. The average soil loss rate is 2.54 T/Ac/yr.

Inputs: T 3820 F 1

Owner name	Location
Snyder	USAIPennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USAIPennsylvania\Lycoming County	Lycoming County, Pennsylvania\LKB Leck kill channery silt loam, 3 to 8 percent slopes\Lack Kill Channery silt loam 85%	3.0	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 651a. Single Year/ Single Crop Templates\corn grain\Corn, grain, sp, z65		b. absolute row grade 2 percent	(none)	(none)	4.3	4.3	4.3	4.3
CMZ 651a. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr, nt, z65		b. absolute row grade 2 percent	(none)	(none)	0.78	0.78	0.78	0.78

RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring chiseled corn grain and no-till soybeans. The average soil loss rate is 2.3 T/Ac/yr.

Inputs: T 3820 F 2

Owner name	Location
Snyder	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	3.0	110	11

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\Corn, grain; scswp. z65		b. absolute row grade 2 percent	(none)	(none)	3.4	3.4	3.4	3.4
CMZ 65\A. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.2	1.2	1.2	1.2

RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring chiseled corn grain and no-till soybeans. The average soil loss rate is 3.1 T/Ac/yr., which can be rounded down to 3 T/Ac/yr. within the guidelines of RUSLE2.

Inputs: I 3820 F 3

Owner name	Location
Snyder	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\AvB Alvira silt loam, 3 to 8 percent slopes\Alvira Silt loam 82%	3.0	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\1a. Single Year/ Single Crop Templates\corn grain\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	4.4	4.4	4.4	4.4
CMZ 65\1a. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.8	1.8	1.8	1.8



RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring chiseled corn grain and no-till soybeans. The average soil loss rate is 2.1 T/Ac/yr.

Inputs: T 3820 F 4

Owner name	Location
Snyder	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\LkB Leck kill channery silt loam, 3 to 8 percent slopes\Leck Kill Channery silt loam 85%	3.0	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\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	3.1	3.1	3.1	3.1
CMZ 65/a. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.1	1.1	1.1	1.1

RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring chiseled corn grain and no-till soybeans. The average soil loss rate is 1.9 T/A/yr.

Inputs: T 3820 F 5

Owner name	Location
Snyder	USAIPennsylvaniaLycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USAIPennsylvaniaLycoming County	Lycoming County, Pennsylvania\kC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	3.0	60	11

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 651a. Single Year/ Single Crop Templates\corn grain\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	2.7	2.7	2.7	2.7
CMZ 651a. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.1	1.1	1.1	1.1

RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of spring chiseled corn grain and no-till soybeans. The average soil loss rate is 2.0 T/Ac/yr.

Inputs: T_3820 F_6

Owner name	Location
Snyder	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\AvB Alvira silt loam, 3 to 8 percent slopes\Alvira Silt loam 82%	3.0	130	8.0

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\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	2.9	2.9	2.9	2.9
CMZ 65\A. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.1	1.1	1.1	1.1