

RUSLE2 Worksheet Erosion Calculation Record

Info: T 486 F 1- The baseline rotation is one year of minimum till grain corn followed by one year of no-till soybeans, one year of no-till planted spring oats, one year of minimum till corn grain, and 5 years of spring planted alfalfa. Average soil loss rate over the rotation is 2.82 T/A/yr.

Inputs:

Owner name	Location	--
Snyder	USA\Pennsylvania\Lycoming County	

<i>Location</i>	<i>Soil</i>	<i>T value</i>	<i>Slope length (horiz)</i>	<i>Avg. slope steepness, %</i>
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\WbC Watson silt loam, 8 to 15 percent slopes\Watson silt loam 90%	3.0	150	15.0

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sdsHR - soyb, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	9.02	8.97	7.65	7.49
CMZ 65\a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	1.27	1.27	1.27	1.27
CMZ 65\a. Single Year/ Single Crop Templates\corn grain\Corn, grain; sds, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	6.86	6.86	6.86	6.86
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.392	0.392	0.389	0.389

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Info: T 486 F 2- The baseline rotation is one year of minimum till grain corn followed by one year of no-till soybeans, one year of no-till planted spring oats, one year of minimum till corn grain, and 5 years of spring planted alfalfa. Average soil loss rate over the rotation is 2.48 T/A/yr.

Inputs:

Owner name	Location	--		
Snyder	USA\Pennsylvania\Lycoming County			
<i>Location</i>	<i>Soil</i>	<i>T value</i>	<i>Slope length (horiz)</i>	<i>Avg. slope steepness, %</i>
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\BeC Berks channery silt loam, 8 to 15 percent slopes\Berks channery silt loam 100%	3.0	300	12.0

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sdsHR - soyb, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	8.29	8.21	6.91	6.75
CMZ 65\a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	1.03	1.03	1.03	1.03
CMZ 65\a. Single Year/ Single Crop Templates\corn grain\Corn, grain; sds, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	6.00	6.00	6.00	6.00
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.287	0.287	0.286	0.286

RUSLE2 Worksheet Erosion Calculation Record

Info: T 486 F 3- The baseline rotation is one year of minimum till grain corn followed by one year of no-till soybeans, one year of no-till planted spring oats, one year of minimum till corn grain, and 5 years of spring planted alfalfa. Average soil loss rate over the rotation is 1.92 T/A/yr.

Inputs:

Owner name	Location	--			
Snyder	USA\Pennsylvania\Lycoming County				
<i>Location</i>	<i>Soil</i>		<i>T value</i>	<i>Slope length (horiz)</i>	<i>Avg. slope steepness, %</i>
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\BeC Berks channery silt loam, 8 to 15 percent slopes\Berks channery silt loam 100%		3.0	300	10.0

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sdsHR - soyb, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	6.33	6.28	5.31	5.19
CMZ 65\a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.836	0.836	0.836	0.836
CMZ 65\a. Single Year/ Single Crop Templates\corn grain\Corn, grain; sds, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	4.61	4.61	4.61	4.61
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.235	0.235	0.234	0.234