

## RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of no-till corn grain and no-till soybeans. The average soil loss rate is 1.0 T/Ac/yr.

**Inputs: Snyder T 3482 F 1**

<i>Owner name</i>	<i>Location</i>	<i>--</i>
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\WeD Weikert channery silt loam, 15 to 25 percent slopes\Weikert Channery silt loam 85%	1.0	50	20

**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\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; nt, z65		b. absolute row grade 2 percent	(none)	(none)	0.47	0.47	0.47	0.47
CMZ 65\A. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	1.6	1.6	1.6	1.6

**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 1.66 T/Ac/yr.

**Inputs: Snyder T 3482 F 2**

<b>Owner name</b>	<b>Location</b>	--
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	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\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	2.4	2.4	2.4	2.4
CMZ 65\A. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	(none)	(none)	0.92	0.92	0.92	0.92

**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 3.15 T/Ac/yr.

**Inputs: T 3482 F 3**

<b>Owner name</b>	<b>Location</b>	--
Snyder	USA\Pennsylvania\Lycoming County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\WbC Watson silt loam, 8 to 15 percent slopes\Watson Silt loam 90%	4.0	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\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; scswp, z65		b. absolute row grade 2 percent	(none)	(none)	4.5	4.5	4.5	4.5
CMZ 65\A. 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