

## RUSLE2 Worksheet Erosion Calculation Record

Info: Basic rotation to meet "T" is one year of spring plowed corn silage, one year of no-till spring oats, and five years of spring no-till planted alfalfa/grass mixed hay. Average soil loss is 1.33 T/Ac/yr.

**Inputs: T 1828 F 1**

<i>Owner name</i>	<i>Location</i>	<i>--</i>
McCoy	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\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill channery silt loam 80%	4.0	100	9.0

**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\A. Single Year/Single Crop Templates\corn silage\Corn, silage; sp, rc2, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	7.7	7.7	7.7	7.7
CMZ 65\A. Single Year/Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	1.0	1.0	1.0	1.0
CMZ 65\A. Single Year/Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.31	0.31	0.28	0.28

## RUSLE2 Worksheet Erosion Calculation Record

Info: Basic rotation to meet "T" is one year of spring plowed corn silage, one year of not-tilled spring oats followed by 5 years of no-till spring planted alfalfa grass. Average soil loss rate over the rotation is 0.92 T/Ac/yr.

**Inputs: McCoy T 1828 F 2**

<b>Owner name</b>	<b>Location</b>	--
McCoy	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 80%	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 silage\Corn, silage; sp, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	5.1	5.1	5.1	5.1
CMZ 65\A. Single Year/Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	1.1	1.1	1.1	1.1
CMZ 65\A. Single Year/Single Crop Templates\forage systems\alfalfa grass seed\alfalfa grass ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.0032	0.0032	0.0032	0.0032