

## RUSLE2 Worksheet Erosion Calculation Record

Info: Rotation is one year of no-till corn grain, one year of no-till spring oats, and one year of no-till sorghum grain. The average soil loss rate over the rotation is 1.56 T/A/yr.

**Inputs: T 4026 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\LkD Leck kill channery silt loam, 15 to 25 percent slopes\Leck Kill Channery silt loam 80%	4.0	50	27

**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 1 percent	(none)	(none)	0.61	0.61	0.61	0.61
CMZ 65\A. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.4	1.4	1.4	1.4
CMZ 65\A. Single Year/ Single Crop Templates\sorghum\grain sorghum\sorghum, gr, wr; nt, z65		b. absolute row grade 1 percent	(none)	(none)	2.6	2.6	2.6	2.6

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Info: Rotation is one year of spring disced corn grain, one year of no-till spring oats, and one year of no-till sorghum grain. The average soil loss rate over the rotation is 2.56 T/A/yr.

**Inputs: T 4026 F 2**

<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 90%	3.0	100	12

**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; sdos, z65		b. absolute row grade 1 percent	(none)	(none)	5.4	5.4	5.4	5.4
CMZ 65\A. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	0.88	0.88	0.88	0.88
CMZ 65\A. Single Year/ Single Crop Templates\sorghum\grain sorghum\sorghum, gr, wr; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.4	1.4	1.4	1.4

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Info: Rotation is one year of spring disced corn grain, one year of no-till spring oats, and one year of no-till sorghum grain. The average soil loss rate over the rotation is 3.00 T/A/yr.

**Inputs: T 4026 F 3**

<b>Owner name</b>	<b>Location</b>	--
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 90%	3.0	50	18

**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; sdos, z65		b. absolute row grade 1 percent	(none)	(none)	6.3	6.3	6.3	6.3
CMZ 65\A. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.0	1.0	1.0	1.0
CMZ 65\A. Single Year/ Single Crop Templates\sorghum\grain sorghum\sorghum, gr, wr; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.8	1.8	1.8	1.8