

## 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 1.37 T/Ac/yr.

**Inputs: T 3780 F 1**

<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\WkE Weikert and Klinessville shaly silt loams, 25 to 80 percent slopes\Klinessville Channery silt loam 35%	2.0	50	19

**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; nt, z65		b. absolute row grade 1 percent	(none)	(none)	0.40	0.40	0.40	0.40
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)	0.91	0.91	0.91	0.91
CMZ 65\a. Single Year/ Single Crop Templates\sorghum\grain sorghum\sorghum, gr, wr; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.5	1.5	1.5	1.5

## 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 0.85 T/A/yr.

**Inputs: T 3780 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\WkE Weikert and Klinesville shaly silt loams, 25 to 80 percent slopes\Klinesville Channery silt loam 35%	2.0	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; nt, z65		b. absolute row grade 1 percent	(none)	(none)	0.26	0.26	0.26	0.26
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)	0.66	0.66	0.66	0.66
CMZ 65\a. Single Year/ Single Crop Templates\sorghum\grain sorghum\sorghum, gr, wr; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.0	1.0	1.0	1.0