

**RUSLE2 Worksheet Erosion Calculation Record**

Info: T 1231 F 1 is farmed with all crops being no-till planted. Three years of spring plowed corn grain and five years of no-till spring planted alfalfa/grass mix has an average soil loss value of 3.06 T/A/yr., which can be rounded down to 3 T/A/yr. under the guidelines of RUSLE2.

**Inputs:**

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

<b>Location</b>	<b>Soil</b>	<b>T value</b>	<b>Slope length (horiz)</b>	<b>Avg. slope steepness, %</b>
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\HnC Hartleton channery silt loam, 8 to 15 percent slopes\Hartleton Channery silt loam 90%	3.0	50	25

**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 651a. Single Year/ Single Crop Templates\com grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	5.2	5.2	5.2	5.2
CMZ 651a. Single Year/ Single Crop Templates\com grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	5.2	5.2	5.2	5.2
CMZ 651a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 5yr; snt z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	1.2	1.2	1.1	1.1

**RUSLE2 Worksheet Erosion Calculation Record**

412 FQ

Info: T 1231 F 2A's farmed with all crops being no-till planted. Three years of spring plowed com grain and five years of no-till spring planted alfalfa/grass mix has an average soil loss value of 1.86 T/A/yr.

**Inputs:**

<b>Owner name</b>	<b>Location</b>	-
London	USA\Pennsylvania\Lycorning County	

<b>Location</b>	<b>Soil</b>	<b>T value</b>	<b>Slope length (horiz)</b>	<b>Avg. slope steepness, %</b>
USA\Pennsylvania\Lycorning County	Lycorning County, Pennsylvania\Bed Berks channery silt loam, 15 to 25 percent slopes\Berks Channery silt loam 85%	2.0	50	22

**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 651a. Single Year/ Single Crop Templates\com grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	3.8	3.8	3.8	3.8
CMZ 651a. Single Year/ Single Crop Templates\com grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	3.8	3.8	3.8	3.8
CMZ 651a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 5yr, snt z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	0.75	0.75	0.70	0.70