

## RUSLE2 Worksheet Erosion Calculation Record

Info: T 1022 F 5- Minimum rotation to meet "T" over the crop rotation is two years of spring no-till corn silage, one year of no-till beans, and four to five years of spring no-till seeded grass hay mix, Average soil loss rate is 3.0 T/A/yr if alfalfa/grass is spring seeded or 4.1 T/A/yr if it is fall planted.

**Inputs:**

<i>Owner name</i>	<i>Location</i>	<i>--</i>
Koons	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\BeD Berks channery silt loam, 15 to 25 percent slopes\Berks channery silt loam 100%	3.0	150	20.0

**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; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	9.78	9.78	9.78	9.78
CMZ 65\a. Single Year/ Single Crop Templates\corn silage\Corn, silage; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	9.78	9.78	9.78	9.78
CMZ 65\a. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	2.18	2.18	2.18	2.18
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 4yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.166	0.166	0.165	0.165
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 4yr; fcst z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	2.26	2.25	1.86	1.86