

## RUSLE2 Worksheet Erosion Calculation Record

Info: T 1022 F 1- 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 either fall no-till seeded or spring no-till seeded grass hay mix, Average soil loss rate is 2.40 T/A/yr if alfalfa/grass is spring seeded or 3.0 T/A/yr if it is fall planted.

**Inputs:**

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
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	18.0

**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; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	8.18	8.18	8.18	8.18
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)	8.18	8.18	8.18	8.18
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)	1.90	1.90	1.90	1.90
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)	0.150	0.150	0.149	0.149
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)	2.02	2.01	1.66	1.66