

## RUSLE2 Worksheet Erosion Calculation Record

Info: 1560 F 1- One year of disced corn followed by no-till soybeans followed by four years of spring no-till planted alfalfa has an average soil loss rate of 3.24 T/A/yr., which rounds down to 3 t/A/yr. within the parameters of RUSLE2

**Inputs:**

<b>Owner name</b>	<b>Location</b>	--
Ulmer	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	200	16.0

**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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sdsHR - soyb, nr; nt, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	10.4	10.4	8.81	8.61
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 4yr; snt z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	0.451	0.451	0.449	0.449