

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1232 F 2 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 1.55 T/A/yr.

Inputs:

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

<i>Strip cropping\2strip rotational 0-1Location</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\BeC Berks channery silt loam, 8 to 15 percent slopes\Berks Channery silt loam 85%	2.0	50	(none)

Outputs:

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1231 F 3 & 4 are 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 1.96 T/A/yr.

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>--</i>
London	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 85%	2.0	50	23

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\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	4.0	4.0	4.0	4.0
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	4.0	4.0	4.0	4.0
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	4.0	4.0	4.0	4.0
CMZ 65\va. 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)	0.78	0.78	0.73	0.73

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1232 F 6 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 2.40 T/A/yr., which can be rounded down to 2 T/A/yr. under the guidelines of RUSLE2.

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>--</i>
London	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 85%	2.0	50	27

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\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	5.0	5.0	5.0	5.0
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	5.0	5.0	5.0	5.0
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	5.0	5.0	5.0	5.0
CMZ 65\va. 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)	0.90	0.90	0.84	0.84

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1231 F 7 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 1.51 T/A/yr.

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>--</i>
London	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 85%	2.0	60	17

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\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	3.1	3.1	3.1	3.1
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	3.1	3.1	3.1	3.1
CMZ 65\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 0.1 percent	Strip cropping\2strip rotational 0-1	(none)	3.1	3.1	3.1	3.1
CMZ 65\va. 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)	0.60	0.60	0.56	0.56