

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 1 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.56 T/Ac/yr.

Inputs:

Owner name	Location	--
Barbour	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\LkD Leck kill channery silt loam, 15 to 25 percent slopes\Leck Kill channery silt loam 80%	4.0	49	21.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	2.05	2.05	1.56	1.56

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 2 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.04 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	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\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	4.0	99	12.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.36	1.36	1.04	1.04

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 3 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.62 T/Ac/yr.

Inputs:

Owner name	Location	--
Barbour	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\AIB Allenwood gravelly silt loam, 3 to 8 percent slopes\Allenwood gravelly silt loam 100%	4.0	140	7.00

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\forage systems\alfalfa grass sp seed\alfalfa grass ss 2yr; fp z65		d. relative row grade 2 percent of slope grade	(none)	(none)	1.62	1.62	1.62	1.62

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 4 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 0.945 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	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\WkE Weikert and Klinesville shaly silt loams, 25 to 80 percent slopes\Klinesville channery silt loam 35%	2.0	99	12.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.21	1.21	0.945	0.945

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 5 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.32 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	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\WkE Weikert and Klinesville shaly silt loams, 25 to 80 percent slopes\Klinesville channery silt loam 35%	2.0	49	19.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.70	1.70	1.32	1.32

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 6 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.1 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	USA\Pennsylvania\Lycoming County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	4.0	89	13.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.46	1.46	1.11	1.11

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 7 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.25 T/Ac/yr.

Inputs:

Owner name	Location	--
Barbour	USA\Pennsylvania\Lycoming County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	4.0	59	16.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.64	1.64	1.25	1.25

RUSLE2 Worksheet Erosion Calculation Record

Info: T 1684 F 10 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every three years results in an average soil loss rate of 2.08 T/Ac./yr., which can be rounded to 2.0 t/Ac./yr within the RUSLE2 guidelines.

Inputs:

Owner name	Location	--
Barbour	USA\Pennsylvania\Lycoming County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\WkE Weikert and Klinesville shaly silt loams, 25 to 80 percent slopes\Klinesville channery silt loam 35%	2.0	48	32.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 3yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	2.62	2.60	2.08	2.08

RUSLE2 Worksheet Erosion Calculation Record

Info: T 2220 F 1 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.56 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	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\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	4.0	49	21.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	2.05	2.05	1.56	1.56

RUSLE2 Worksheet Erosion Calculation Record

Info: T 2220 F 2 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 0.955 T/Ac./yr.

Inputs:

Owner name	Location	--
Barbour	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\LkC Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	4.0	110	11.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.25	1.25	0.955	0.955

RUSLE2 Worksheet Erosion Calculation Record

Info: T 2220 F 3 is used exclusively as a pasture. Worst case scenario of fall plowing and seeding every two years results in an average soil loss rate of 1.45 T/Ac/yr.

Inputs:

Owner name	Location	--
Barbour	USA\Pennsylvania\Lycoming County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\AbC Albrights silt loam, 8 to 15 percent slopes\Albrights Silt loam 85%	3.0	69	15.0

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\forage systems\alfalfa grass fall seed\alfalfa grass fs 2yr; fp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	1.89	1.88	1.45	1.45