



RUSLE2 Worksheet Erosion Calculation Record

Info: Rotation is one year of spring plowed corn silage, one year of no-till spring oats, and 5 years of fall planted no-till seeded alfalfa grass mix. The average soil loss rate over the rotation is 1.00 T/A/yr.

Inputs: T 162.551 ← 162.5 FI

Owner name	Location
McCoy	USAIPennsylvaniaLycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USAIPennsylvaniaLycoming County	Lycoming County, PennsylvaniaKUC Klinesville shaly silt loam, 8 to 15 percent slopesKlinesville Channery silt loam 90%	2.0	70	15

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 651a. Single Year/ Single Crop Templates\corn silage\Corn, silage; sp, z65		b. absolute row grade 1 percent	(none)	(none)	4.5	4.5	4.5	4.5
CMZ 651a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	0.80	0.80	0.80	0.80
CMZ 651a. Single Year/ Single Crop Templates\forage systems\alfalfa grass fall seed\alfalfa grass fs 5yr; fnt z65		b. absolute row grade 1 percent	(none)	(none)	0.0048	0.0048	0.0048	0.0048



RUSLE2 Worksheet Erosion Calculation Record

Info: Rotation of one year spring plowed corn silage, one year of no-till spring oats, and 5 years of fall planted no-till seeded alfalfa grass mix. The average soil loss rate over the rotation is 1.29 T/A/yr.

Inputs: I 1625.F.2

Owner name	Location
McCoy	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\LK Leck kill channery silt loam, 8 to 15 percent slopes\Leck Kill Channery silt loam 90%	3.0	50	23

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\1a. Single Year/ Single Crop Templates\corn silage\Corn, silage; sp, z65		b. absolute row grade 1 percent	(none)	(none)	7.8	7.8	7.8	7.8
CMZ 65\1a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.2	1.2	1.2	1.2
CMZ 65\1a. Single Year/ Single Crop Templates\forage systems\alfalfa grass fall seed\alfalfa grass fs 5yr; fnt z65		b. absolute row grade 1 percent	(none)	(none)	0.0093	0.0093	0.0093	0.0093



RUSLE2 Worksheet Erosion Calculator Record

Info: Basic rotation to meet "T" is one year of no-till corn silage, one year of no-till planted spring oats, and one year of no-till sorghum silage. The average soil loss for this rotation is 3.5 T/Ac/yr.

Inputs: T 1625 F 3

Owner name	Location
McCoy	USAIPennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USAIPennsylvania\Lycoming County	Lycoming County, Pennsylvania\Bd Basher silt loam, occasionally flooded\Basher Silt loam 90%	5.0	150	6.0

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 651a. Single Year/ Single Crop Templates\corn silage\Corn, silage; nt, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	3.3	3.3	3.3	3.3
CMZ 651a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	0.95	0.95	0.95	0.95
CMZ 651a. Single Year/ Single Crop Templates\sorghum\silage sorghum\sorghum silage; wr; nt, z65		b. absolute row grade 4 percent	Strip cropping\2strip rotational 0-1	(none)	6.3	6.3	6.3	6.3



RUSLE2 Worksheet Erosion Calculation Record

Info: Permanent pasture. Average soil loss rate is 0.0084 T/Ac/yr.

Inputs: T 1625 F 4

Owner name	Location
McCoy	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\Bd Basher silt loam, occasionally flooded\Basher Silt loam 90%	5.0	140	7.0

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\1a. Single Year/ Single Crop Templates\forage systems\pasture, warm season grass\warmgrass intensive rotational ss 10yr; snt z65		b. absolute row grade 1 percent	(none)	(none)	0.0084	0.0084	0.0084	0.0084



RUSLE2 Worksheet Erosion Calculation Record

Info: Rotation is one year of spring plowed corn silage, one year of no-till spring oats, and 5 years of fall planted no-till seeded alfalfa grass mix. The average soil loss rate over the rotation is 1.29 T/A/yr.

Inputs: I_1625 F 5

Owner name	Location
McCoy	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\Lc Leck kill channery silt loam, 8 to 15 percent slopes\Lc Leck Kill Channery silt loam 90%	3.0	50	23

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 65a. Single Year/ Single Crop Templates\corn silage\Corn, silage; sp, z65		b. absolute row grade 1 percent	(none)	(none)	7.8	7.8	7.8	7.8
CMZ 65a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	(none)	(none)	1.2	1.2	1.2	1.2
CMZ 65a. Single Year/ Single Crop Templates\forage systems\alfalfa,grass fall seed\alfalfa grass fs 5yr; frt z65		b. absolute row grade 1 percent	(none)	(none)	0.0093	0.0093	0.0093	0.0093



RUSLE2 Worksheet Erosion Calculation Record

Info: Permanent pasture. The average soil loss rate over the rotation is 0.017 T/A/yr.

Inputs: T 1625 F 42

Owner name	Location
McCoy	USA Pennsylvania Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA Pennsylvania Lycoming County	Lycoming County, Pennsylvania KID Klinesville shaly silt loam, 15 to 25 percent slopes Klinesville Chanerly silt loam, 100%	2.0	50	25

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 warm season grass warmgrass ss 10yr. snt z65		b. absolute row grade 1 percent	(none)	(none)	0.017	0.017	0.017	0.017



RUSLE2 Worksheet Erosion Calculation Record

Info: Permanent pasture. The average soil loss rate over the rotation is 0.027 T/A/yr.

Inputs: I_1625 Horse Pasture

Owner name	Location
McCoy	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (feet)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\Bd Basher silt loam, occasionally flooded\Basher Silt loam 90%	5.0	50	25

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 65a. Single Year/ Single Crop Templates\forage systems\warm season grass\warmgrass ss 10yr; snt z65		b. absolute row grade 1 percent	(none)	(none)	0.027	0.027	0.027	0.027

