

**RUSLE2 Worksheet Erosion Calculation Record**

Info: P185C These pastures are used exclusively as pastures. The average soil loss based on rotational grazing of warm season grasses that are reseeded with spring plowing every 10 years is 1.44 T/A/yr.

**Inputs:**

Owner name	Location
Reitz	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\WB Alvira silt loam, 3 to 8 percent slopes\Alvira Silt loam 82%	3.0	150	6.00

**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\pasture, cool season grass\cool season grass rotational grazing 65-85% canopy z65		default	(none)	(none)	0.00445	0.00445	0.00445	0.00445
CMZ 65\A. Single Year/ Single Crop Templates\forage systems\pasture, warm season grass\warmgrass rotational ss 10yr; sp z65		default	(none)	(none)	1.44	1.44	1.44	1.44

**RUSLE2 Worksheet Erosion Calculation Record**

Info: P3 & P3 . These pastures are used exclusively as pastures. The average soil loss based on rotational grazing of warm season grasses that are reseeded with spring plowing every 10 years is 1.79 T/A/yr.

**Inputs:**

Owner name	Location
Reitz	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\HhC Hartleton channery silt loam, 8 to 15 percent slopes\Hartleton Channery silt loam 90%	3.0	59	17.0

**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\pasture, cool season grass\cool season grass rotational grazing 65-85% canopy z65		default	(none)	(none)	0.00731	0.00731	0.00731	0.00731
CMZ 65\A. Single Year/ Single Crop Templates\forage systems\pasture, warm season grass\warmgrass rotational ss 10yr, sp z65		default	(none)	(none)	1.79	1.79	1.79	1.79

**RUSLE2 Worksheet Erosion Calculation Record**

Info: P 5 A 4.55 These pastures are used exclusively as pastures. The average soil loss based on rotational grazing of warm season grasses that are reseeded with spring plowing every 10 years is 1.68 T/A/yr.

**Inputs:**

Owner name	Location
Reitz	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\ShA Shelmadine silt loam, 0 to 3 percent slopes\Shelmadine silt loam 90%	3.0	140	7.00

**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\pasture, cool season grass\cool season grass rotational grazing 65-85% canopy z65		default	(none)	(none)	0.00469	0.00469	0.00469	0.00469
CMZ 65\ a. Single Year/ Single Crop Templates\forage systems\pasture, warm season grass\warmgrass rotational ss 10yr. sp z65		default	(none)	(none)	1.68	1.68	1.68	1.68

**RUSLE2 Worksheet Erosion Calculation Record**

Info: **PC**- This pasture is used exclusively as pasture. The average soil loss based on rotational grazing of warm season grasses that are reseeded with spring plowing every 10 years is 2.82 T/A/yr.

**Inputs:**

Owner name	Location
Reitz	USA Pennsylvania Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA Pennsylvania Lycoming County	Lycoming County, Pennsylvania WbB Watson silt loam, 3 to 8 percent slopes Watson silt loam 90%	3.0	120	10.0

**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 pasture, cool season grass cool season grass rotational grazing 65-85% canopy z65		default	(none)	(none)	0.00806	0.00806	0.00806	0.00806
CMZ 65 a. Single Year/ Single Crop Templates forage systems pasture, warm season grass warmgrass rotational ss 10yr; sp z65		default	(none)	(none)	2.82	2.82	2.82	2.82