

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3512 P 3A and 3B are both permanent pastures. The worst case scenario soil loss rate is 0.790 T/A/yr. based on reseeding every two years with spring plowing and reseeding of an alfalfa/grass mix.

Inputs:

Owner name	Location
Sherman	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\AIB Allenwood gravelly silt loam, 3 to 8 percent slopes\Allenwood gravelly silt loam 100%	4.0	75	5.00

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\1a. Single Year/ Single Crop Templates\forage systems\pasture, cool season grass\cool season grass rotational grazing 65-85% canopy z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-2	(none)	0.00342	0.00342	0.00342	0.00342
CMZ 65\1a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 2yr, sp z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-2	(none)	0.790	0.790	0.790	0.790