

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3494 F 3- Rotation to meet "T" over the rotation is 5 years of spring disced corn silage with fall liquid manure and 5 years of spring no-till seeded alfalfa grass. Average soil loss is 2.06 t/ac/yr., which can be rounded down to 2.0 t/ac/yr. within the guidelines of RUSLE2.

Inputs:

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\WeC Weikert shaly silt loam, 8 to 15 percent slopes\Weikert channery silt loam 85%	2.0	150	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\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	4.04	4.04	4.04	4.04
CMZ 65\A. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	4.04	4.04	4.04	4.04
CMZ 65\A. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	4.04	4.04	4.04	4.04

CMZ 65\ a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	4.04	4.04	4.04	4.04
CMZ 65\ a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	4.04	4.04	4.04	4.04
CMZ 65\ a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 5yr; snt z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	0.100	0.100	0.0997	0.0997