

RUSLE2 Worksheet Erosion Calculation Record

Info: T 401 F 3 Rotation to meet "T" over the rotation is 5 years of spring plowed corn silage with fall liquid manure and 5 years of spring no-till seeded alfalfa grass. Average soil loss rate is 2.7 t/ac/yr.

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\HhC Hartleton channery silt loam, 8 to 15 percent slopes\Hartleton channery silt loam 80%	3.0	150	8.00

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\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; sp, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	5.37	5.37	5.37	5.37
CMZ 65\A. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; sp, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	5.37	5.37	5.37	5.37
CMZ 65\A. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; sp, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	5.37	5.37	5.37	5.37

CMZ 65\ a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; sp, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	5.37	5.37	5.37	5.37
CMZ 65\ a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; sp, z65		d. relative row grade 2 percent of slope grade	Strip cropping\2strip rotational 0-1	(none)	5.37	5.37	5.37	5.37
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)	0.0447	0.0447	0.0441	0.0441