

RUSLE2 Worksheet Erosion Calculation Record

Info: T 706 F 2- Minimum rotation to meet "T" over the crop rotation is two years of no-till corn grain, one year of no-till beans, and four to five years of either fall no-till seeded or spring no-till seeded grass hay mix, Average soil loss rate is 0.77 t/A/yr if alfalfa/grass is spring seeded or 2.4 T/A/yr if it fall planted.

Inputs:

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

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\BeD Berks channery silt loam, 15 to 25 percent slopes\Berks channery silt loam 100%	3.0	150	21.0

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 grain\Corn, grain; nt, z65		d. relative row grade 2 percent of slope grade	(none)	(none)	0.730	0.730	0.730	0.730
CMZ 65\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; nt, z65		d. relative row grade 2 percent of slope grade	(none)	(none)	0.569	0.569	0.569	0.569
CMZ 65\A. Single Year/ Single Crop Templates\soybeans\soybeans drilled\soybeans, nr; nt, z65		d. relative row grade 2 percent of slope grade	(none)	(none)	3.20	3.20	3.20	3.20
CMZ 65\A. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 4yr; snt z65		d. relative row grade 2 percent of slope grade	(none)	(none)	0.224	0.224	0.224	0.224
CMZ 65\A. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 4yr; fcst z65		d. relative row grade 2 percent of slope grade	(none)	(none)	3.11	3.11	3.11	3.11