

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3486 F 1- The baseline rotation is one year of no-till grain corn followed by one year of no-till soybeans, one year of no-till planted spring oats, one year of minimum till corn grain, and 5 years of spring planted alfalfa. Average soil loss rate over the rotation is 1.52 T/A/yr.

Inputs:

Owner name	Location	--
Snyder	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	250	16.0

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; nt - soyb, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	1.18	1.18	1.18	1.18
CMZ 65\a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	1.35	1.35	1.35	1.35
CMZ 65\a. Single Year/ Single Crop Templates\corn grain\Corn, grain; sds, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	8.11	8.11	8.11	8.11
CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.375	0.375	0.375	0.375