

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 649 F2- Rotation needed to meet baseline for tillage is 1 yr. no-till soybeans, one yr. spring plowed corn grain, 1 yr. spring plowed corn silage, 1 yr. of fall plowed rye, and 1 yr. of spring plowed corn grain. Average soil loss rate is 5.38 T/ac/yr., which can be rounded down to 5 T/A/yr. under the guidelines of RUSLE2.

Inputs:

Owner name	Location	--
Schrack	USA\Pennsylvania\Clinton County	

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Clinton County	Clinton County, PA 2014\UnB Ungers loam, 3 to 8 percent slopes\Ungers Loam 75%	5.0	130	8.0

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\soybeans\soybeans drilled\soybeans, nr; nt, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	1.7	1.7	1.7	1.7
CMZ 65\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	5.6	5.6	5.6	5.6
CMZ 65\A. Single Year/ Single Crop Templates\corn silage\Corn, silage; sp, rc2, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	10	10	10	10
CMZ 65\A. Single Year/ Single Crop Templates\small grains\winter small grain\Rye,w; fp, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	4.0	4.0	4.0	4.0
CMZ 65\A. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	5.6	5.6	5.6	5.6