

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 583 F 1- Rotation needed to meet baseline for tillage is 3 years of minimum tillage corn grain with manure, 1year minimum tillage corn silage with manure and 4 years of alfalfa that is planted with a grain nurse crop that receives manure. Average soil loss rate is 5.9 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\HeB Hagerstown silt loam, 3 to 8 percent slopes\Hagerstown Silt loam 85%	5.0	150	6.0

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\c.Other Local Mgt Records\Schrack8 CS, 4 A		b. absolute row grade 2 percent	Strip cropping\2strip rotational 0-1	(none)	6.1	6.1	5.9	5.9