

RUSLE2 Erosion Calculation Record

Bishcroft Farm LLC T 6355

Inputs:

Owner name	Location	Info
Bishcroft Farms LLC	PennsylvaniaTioga County	F 1, 2 and 7 credits are generated for no-till only. Field 3 and 4 credits are generated for rye only. Rotation for all fields is 5 years of corn and 3 years of hay.

Field name	Soil	Slope T Value	Slope length, ft	Slope steepness, %
1, 2 and 7	Tioga County, Pennsylvania\LoB Lordstown channery loam, 3 to 12 percent slopes\Lordstown channery loam 100%	3.0	150	5.0
3	Tioga County, Pennsylvania\LoC Lordstown channery loam, 12 to 20 percent slopes\Lordstown channery loam 100%	3.0	300	10
4	Tioga County, Pennsylvania\VoC Volusia channery silt loam, 8 to 15 percent slopes\Volusia channery silt loam 80%	3.0	300	10

Results:

Field name	Description	Management	Contouring system	Support practices	Terrace/diversion system	Cons. plan. soil loss, t/ac/yr	Sed. delivery	Fuel cost, US\$/ac
1, 2 and 7	Spring disced corn with rye meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs sdos cs/rye 3 yrs hay	a. rows up-and-down hill	-- none --	-- none --	2.3	2.3	143.2
3	No-till corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs nt cs 3 yrs hay	b. absolute row grade 2 percent	-- none --	-- none --	2.1	2.1	112.3
4	No-till corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs nt cs 3 yrs hay	b. absolute row grade 2 percent	-- none --	-- none --	1.8	1.8	112.3