

RUSLE2 Erosion Calculation Record

Bishcroft Farm LLC T 3628

Inputs:

Owner name	Location	Info
Bishcroft Farm LLC	Pennsylvania\Lycoming County	F 2, 3, 4, 5, and 6 credits are generated for rye. No-till corn is needed to meet "T". Fields 2, 3, 4 and 6 have a rotation of 5 years corn and 3 years of hay. Field 5 has a rotation of 4 years of corn and 4 years of hay.

Field name	Soil	Slope T Value	Slope length, ft	Slope steepness, %
2 and 3	Lycoming County, Pennsylvania\OgB Oquaga channery loam, 3 to 8 percent slopes\Oquaga channery loam 85%	3.0	200	10
4	Lycoming County, Pennsylvania\MoB Morris channery silt loam, 3 to 8 percent slopes\Morris channery silt loam 80%	3.0	250	5.0
5	Lycoming County, Pennsylvania\WeC Weikert shaly silt loam, 8 to 15 percent slopes>Weikert channery silt loam 85%	2.0	250	13
6	Lycoming County, Pennsylvania\WeB Weikert shaly silt loam, 3 to 8 percent slopes>Weikert channery silt loam 85%	2.0	250	6.0

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
2 and 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 1 percent	-- none --	-- none --	2.5	2.5	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 1 percent	-- none --	-- none --	2.0	2.0	112.3
5	No-till corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 4 yrs nt cs 4 yrs hay	b. absolute row grade 1 percent	Strip cropping\4-strip	-- none --	1.9	1.9	127.0

6	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 1 percent	-- none --	-- none --	1.4	1.4	112.3
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