

RUSLE2 Erosion Calculation Record

Bishcroft Farm LLC T 6558

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
Bishcroft Farm LLC	Pennsylvania\Tioga County	F 1 A credits are generated by rye only. F 1 B credits are generated for conventional tillage, no-till and rye. Rotation for both fields is 5 years of corn and 3 years of hay.

<i>Field name</i>	<i>Soil</i>	<i>Slope T Value</i>	<i>Slope length, ft</i>	<i>Slope steepness, %</i>
1 A	Tioga County, Pennsylvania\MaC Mardin channery silt loam, 8 to 15 percent slopes\Mardin channery silt loam 85%	3.0	200	14
1 B	Tioga County, Pennsylvania\MaB Mardin channery silt loam, 3 to 8 percent slopes\Mardin channery silt loam 85%	3.0	150	6.0

Results:

<i>Field name</i>	<i>Description</i>	<i>Management</i>	<i>Contouring system</i>	<i>Support practices</i>	<i>Terrace/diversion system</i>	<i>Cons. plan. soil loss, t/ac/yr</i>	<i>Sed. delivery</i>	<i>Fuel cost, US\$/ac</i>
1 A	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 --	1 Diversion 2.0% grade in middle of RUSLE slope	1.6	1.6	112.3
1 B	Spring plowed corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs sp cs 3 yrs hay	b. absolute row grade 0.8 percent	-- none --	-- none --	2.4	2.4	172.7