

RUSLE2 Erosion Calculation Record

Bishcroft T 4884

Inputs:

<i>Owner name</i>	<i>Location</i>	<i>Info</i>
Bishcroft Farm LLC	Pennsylvania\Tioga County	F 1, 2, 4 and 6 credits are generated for rye. Fields 3, 4 A and 5 generate credits for conservation tillage, no-till and rye. Rotation is 5 years of corn and 3 years of hay for fields 1 and 2, 4 A, 5 and 6. Fields 3 and 4 have a rotation of 4 years of corn and 4 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 and 2	Tioga County, Pennsylvania\LaB Lackawanna channery loam, 3 to 12 percent slopes\Lackawanna channery loam 100%	3.0	150	6.0
3	Tioga County, Pennsylvania\WeB Wellsboro channery loam, 3 to 8 percent slopes\Wellsboro channery loam 80%	3.0	240	6.0
4	Tioga County, Pennsylvania\LoB Lordstown channery loam, 3 to 12 percent slopes\Lordstown channery loam 100%	3.0	240	12
4 A	Tioga County, Pennsylvania\WeA Wellsboro channery loam, 0 to 3 percent slopes\Wellsboro channery loam 85%	3.0	150	3.0
5	Tioga County, Pennsylvania\WeB Wellsboro channery loam, 3 to 8 percent slopes\Wellsboro channery loam 80%	3.0	150	5.0
6	Tioga County, Pennsylvania\WeC Wellsboro channery loam, 8 to 15 percent slopes\Wellsboro channery loam 85%	3.0	170	10

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 and 2	No-ill corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs nt cs 3 yrs hay	b. absolute row grade 0.8 percent	-- none --	-- none --	1.4	1.4	112.3

3	Spring plowed corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 4 yrs sp cs 4 yr hay	b. absolute row grade 0.8 percent	-- none --	-- none --	2.1	2.1	175.3
4	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 0.8 percent	Strip cropping\4-strip rotational 0-3-0-3	-- none --	1.3	1.3	127.0
4 A	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 2 percent	-- none --	-- none --	1.8	1.8	172.7
5	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 2 percent	-- none --	-- none --	2.6	2.6	172.7
6	No-ill corn meets "T"	CMZ 65\c.Other Local Mgt Records\Bish man 5 yrs nt cs 3 yrs hay	a. rows up-and-down hill	-- none --	-- none --	1.7	1.7	112.3