

## RUSLE2 Erosion Calculation Record

Bishcroft Farm LLC T 7311

**Inputs:**

| <i>Owner name</i>  | <i>Location</i>           | <i>Info</i>  |
|--------------------|---------------------------|--|
| Bishcroft Farm LLC | Pennsylvania\Tioga County | F 1, 2, 3 and 5 credits are generated for rye. All fields have a rotation of 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 and 2           | Tioga County, Pennsylvania\MoB Morris gravelly silt loam, 3 to 8 percent slopes\Morris gravelly silt loam 77% | 3.0                  | 130                     | 6.0                       |
| 3                 | Tioga County, Pennsylvania\OgB Oquaga channery loam, 3 to 12 percent slopes\Oquaga channery loam 100%         | 3.0                  | 150                     | 8.0                       |
| 5                 | Tioga County, Pennsylvania\WeC Wellsboro channery loam, 8 to 15 percent slopes\Wellsboro channery loam 85%    | 3.0                  | 170                     | 12                        |

**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-till 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 --                      | 1.5                                   | 1.5                  | 112.3                     |
| 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 --                      | 1.8                                   | 1.8                  | 112.3                     |
| 5                 | No-till 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 --                      | 2.3                                   | 2.3                  | 112.3                     |