USDA NRCS Natural Resources Conservation Service

# RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of no-till corn and soybeans. Average soil loss rate is 1.3 T/A/yr.

**Inputs: Snyder T 497 F 1**

| *Owner name* | *Location* | -- |
|---|---|---|
| **J. Snyder** | **USA\Pennsylvania\Lycoming County** | |

| *Location* | *Soil* | *T value* | *Slope length (horiz)* | *Avg. slope steepness, %* |
|---|---|---|---|---|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\HhB Hartleton channery silt loam, 3 to 8 percent slopes\Hartleton Channery silt loam 75% | 3.0 | 50 | 18 |

**Outputs:**

| *Base management* | *Description* | *Contouring* | *Strips / barriers* | *Diversion/terrace, sediment basin* | *Soil loss erod. portion, t/ac/yr* | *Soil detachment, t/ac/yr* | *Cons. plan. soil loss, t/ac/yr* | *Sed. delivery, t/ac/yr* |
|---|---|---|---|---|---|---|---|---|
| CMZ 65\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; nt - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | (none) | (none) | 1.3 | 1.3 | 1.3 | 1.3 |

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# RUSLE2 Worksheet Erosion Calculation Record

Info: Minimum rotation to meet "T" is alternating years of no-till corn and soybeans. Average soil loss rate is 0.70 T/A/yr.

**Inputs: Snyder T 497 F 2**

| *Owner name* | *Location* | *--* |
|---|---|---|
| **J. Snyder** | **USA\Pennsylvania\Lycoming County** | |

| *Location* | *Soil* | *T value* | *Slope length (horiz)* | *Avg. slope steepness, %* |
|---|---|---|---|---|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\BeC Berks channery silt loam, 8 to 15 percent slopes\Berks Channery silt loam 85% | 2.0 | 90 | 13 |

**Outputs:**

| *Base management* | *Description* | *Contouring* | *Strips / barriers* | *Diversion/terrace, sediment basin* | *Soil loss erod. portion, t/ac/yr* | *Soil detachment, t/ac/yr* | *Cons. plan. soil loss, t/ac/yr* | *Sed. delivery, t/ac/yr* |
|---|---|---|---|---|---|---|---|---|
| CMZ 65\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; nt - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | (none) | (none) | 0.70 | 0.70 | 0.70 | 0.70 |