

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 693 F 1- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain, 1 year of chisel plowed corn silage and 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 4.6 T/ac/yr., which can be rounded down to 4 T/A/yr. under the guidelines of RUSLE2.

Inputs:

| <i>Owner name</i> | <i>Location</i> | <i>--</i> |
|-------------------|---------------------------------|-----------|
| Schrack | USA\Pennsylvania\Clinton County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|---------------------------------|---|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Clinton County | Clinton County, PA 2014\LaC Laidig gravelly loam, 8 to 15 percent slopes\Laidig Gravelly loam 80% | 4.0 | 90 | 13 |

Outputs:

| <i>Base management</i> | <i>Description</i> | <i>Contouring</i> | <i>Strips / barriers</i> | <i>Diversion/terrace, sediment basin</i> | <i>Soil loss erod. portion, t/ac/yr</i> | <i>Soil detachment, t/ac/yr</i> | <i>Cons. plan. soil loss, t/ac/yr</i> | <i>Sed. delivery, t/ac/yr</i> |
|--|--------------------|---------------------------------|--------------------------------------|--|---|---------------------------------|---------------------------------------|-------------------------------|
| CMZ 65\c.Other Local Mgt Records\Schrack 3 CG mt, 1 CS mt, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 4.8 | 4.8 | 4.6 | 4.6 |

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 693 F 2- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain, 1 year of chisel plowed corn silage and 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 4.1 T/ac/yr., which can be rounded down to 4 T/A/yr. under the guidelines of RUSLE2.

Inputs:

| | | |
|-------------------|---------------------------------|----|
| Owner name | Location | -- |
| Schrack | USA\Pennsylvania\Clinton County | |

| Location | Soil | T value | Slope length (horiz) | Avg. slope steepness, % |
|---------------------------------|---|---------|----------------------|-------------------------|
| USA\Pennsylvania\Clinton County | Clinton County, PA 2014\BuB Buchanan-Andover gravelly loams, 3 to 8 percent slopes\Buchanan Silt loam 45% | 4.0 | 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\c.Other Local Mgt Records\Schrack 3 CG mt, 1 CS mt, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 4.3 | 4.3 | 4.1 | 4.1 |

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 693 F 3- Rotation needed to meet baseline for tillage is 3 years of chisel plowed corn grain, 1 year of chisel plowed corn silage and 4 years of spring plowed hay that is planted with a grain nurse crop with manure. Average soil loss rate is 3.2 T/ac/yr.

Inputs:

| | | |
|-------------------|---------------------------------|----|
| Owner name | Location | -- |
| Schrack | USA\Pennsylvania\Clinton County | |

| Location | Soil | T value | Slope length (horiz) | Avg. slope steepness, % |
|---------------------------------|---|---------|----------------------|-------------------------|
| USA\Pennsylvania\Clinton County | Clinton County, PA 2014\BuB Buchanan-Andover gravelly loams, 3 to 8 percent slopes\Buchanan Silt loam 45% | 4.0 | 120 | 10 |

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\c.Other Local Mgt Records\Schrack 3 CG mt, 1 CS mt, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 3.3 | 3.3 | 3.2 | 3.2 |