

RUSLE2 Worksheet Erosion Calculation Record

Info: Schrack T 641 F 1- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year of spring plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 1.6 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\HIB Hazleton-Clymer channery loams, 3 to 8 percent slopes\Hazleton Channery sandy loam 40% | 3.0 | 130 | 9.0 |

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, 1 CS, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 1.6 | 1.6 | 1.6 | 1.6 |

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Info: Schrack T 641 F 3 & 4- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year of spring plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 1.8 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\HIC Hazleton-Clymer channery loams, 8 to 15 percent slopes\Hazleton Channery sandy loam 40% | 3.0 | 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, 1 CS, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 1.8 | 1.8 | 1.8 | 1.8 |

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Info: Schrack T 641 F 5- Rotation needed to meet baseline for tillage is 3 years of spring plowed corn grain with manure, 1 year of spring plowed corn silage with manure, and 4 years of spring no-till planted alfalfa planted with a grain nurse crop that receives manure. Average soil loss rate is 2.7 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\HID Hazleton-Clymer channery loams, 15 to 25 percent slopes\Hazleton Channery sandy loam 40% | 3.0 | 50 | 19 |

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, 1 CS, 4 A | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 2.8 | 2.8 | 2.7 | 2.7 |