

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3123 F 4- One year of spring plowed corn followed by no-till soybeans has an average soil loss rate of 2.0 T/A/yr.

Inputs:

| | | |
|-------------------|----------------------------------|-----------|
| Owner name | Location | -- |
| Ulmer | USA\Pennsylvania\Lycoming County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|----------------------------------|--|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Bb Barbour fine sandy loam, occasionally flooded\Barbour Fine sandy loam 90% | 5.0 | 200 | 3.0 |

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sp - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 2.6 | 2.6 | 2.0 | 1.9 |

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3123 F 5- One year of spring plowed corn followed by no-till soybeans has an average soil loss rate of 2.6 T/A/yr.

Inputs:

| | | |
|-------------------|----------------------------------|-----------|
| Owner name | Location | -- |
| Ulmer | USA\Pennsylvania\Lycoming County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|----------------------------------|--|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Bb Barbour fine sandy loam, occasionally flooded\Barbour Fine sandy loam 90% | 5.0 | 180 | 4.0 |

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\b.Mullti-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sp - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 3.4 | 3.4 | 2.6 | 2.5 |

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3123 F 6- One year of spring plowed corn followed by no-till soybeans has an average soil loss rate of 1.2 T/A/yr.

Inputs:

| | | |
|-------------------|----------------------------------|----|
| <i>Owner name</i> | <i>Location</i> | -- |
| Ulmer | USA\Pennsylvania\Lycoming County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|----------------------------------|--|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Wy Wyoming gravelly sandy loam, occasionally flooded\Wyoming Gravelly sandy loam occasionally flooded 100% | 3.0 | 180 | 4.0 |

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\b.Multi-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sp - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 1.6 | 1.6 | 1.2 | 1.2 |

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3123 F 7- One year of spring plowed corn followed by no-till soybeans has an average soil loss rate of 1.3 T/A/yr.

Inputs:

| | | |
|-------------------|----------------------------------|-----------|
| Owner name | Location | -- |
| Ulmer | USA\Pennsylvania\Lycoming County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|----------------------------------|--|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Wy Wyoming gravelly sandy loam, occasionally flooded\Wyoming Gravelly sandy loam occasionally flooded 100% | 3.0 | 200 | 3.0 |

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\b.Multi-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sp - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 1.3 | 1.3 | 0.98 | 0.94 |

RUSLE2 Worksheet Erosion Calculation Record

Info: T 3123 F 8- One year of spring plowed corn followed by no-till soybeans has an average soil loss rate of 1.9 T/A/yr.

Inputs:

| | | |
|-------------------|----------------------------------|----|
| Owner name | Location | -- |
| Ulmer | USA\Pennsylvania\Lycoming County | |

| <i>Location</i> | <i>Soil</i> | <i>T value</i> | <i>Slope length (horiz)</i> | <i>Avg. slope steepness, %</i> |
|----------------------------------|--|----------------|-----------------------------|--------------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Wy Wyoming gravelly sandy loam, occasionally flooded\Wyoming Gravelly sandy loam occasionally flooded 100% | 3.0 | 140 | 7.0 |

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\b.Multi-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sp - soyb, nr; nt, z65 | | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none) | 2.4 | 2.4 | 1.9 | 1.9 |