USDANRCSgif

**RUSLE2 Worksheet Erosion Calculation Record**

Info: T 3494 F 3- Rotation to meet "T" over the rotation is 5 years of spring disced corn silage with fall liquid manure and 5 years of spring no-till seeded alfalfa grass. Average soil loss is 2.06 t/ac/yr., which can be rounded down to 2.0 t/ac/yr. within the guidelines of RUSLE2.

**Inputs:**

| ***Owner name*** | ***Location*** | ***--*** |
| --- | --- | --- |
| **Fogleman** | **USA\Pennsylvania\Lycoming County** |  |

| *Location* | *Soil* | *T value* | *Slope length (horiz)* | *Avg. slope steepness, %* |
| --- | --- | --- | --- | --- |
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\WeC Weikert shaly silt loam, 8 to 15 percent slopes\Weikert channery silt loam 85% | 2.0 | 150 | 13.0 |

**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\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 4.04 | 4.04 | 4.04 | 4.04 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 4.04 | 4.04 | 4.04 | 4.04 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 4.04 | 4.04 | 4.04 | 4.04 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 4.04 | 4.04 | 4.04 | 4.04 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, smanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 4.04 | 4.04 | 4.04 | 4.04 |
| CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed\alfalfa grass ss 5yr; snt z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 0.100 | 0.100 | 0.0997 | 0.0997 |