USDANRCSgif

**RUSLE2 Worksheet Erosion Calculation Record**

Info: T 409 F 2-3- Rotation to meet "T" over the rotation is 5 years of no-till corn silage with fall liquid manure and 5 years of spring no-till seeded alfalfa grass. Average soil loss is 1.55 t/ac/yr.

# 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\BeB Berks channery silt loam, 3 to 8 percent slopes\Berks channery silt loam 100% | 3.0 | 150 | 8.00 |

**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, fmanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.02 | 3.02 | 3.02 | 3.02 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.02 | 3.02 | 3.02 | 3.02 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.02 | 3.02 | 3.02 | 3.02 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.02 | 3.02 | 3.02 | 3.02 |
| CMZ 65\a. Single Year/ Single Crop Templates\corn silage nr w/manure\liquid surface\Corn, silage, nr, fmanl; nt, z65 |  | d. relative row grade 2 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.02 | 3.02 | 3.02 | 3.02 |
| 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) | 0.0749 | 0.0749 | 0.0738 | 0.0738 |