

RUSLE2 Worksheet Erosion Calculation Record

Info: T 554 F 1- "T" can be met by moldboard plowing any combination of vegetable crops.

Inputs:

| | | |
|-------------------|----------------------------------|----|
| Owner name | Location | -- |
| JRT Farms | USA\Pennsylvania\Lycoming County | |

| Location | Soil | T value | Slope length (horiz) | Avg. slope steepness, % |
|----------------------------------|--|---------|----------------------|-------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\Ln Linden loam, occasionally flooded\Linden loam 90% | 4.0 | 100 | 2.00 |

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\va. Single Year/ Single Crop Templates\corn grain\Corn, grain; sp, rc2, z65 | | d. relative row grade 1 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 1.06 | 1.06 | 1.06 | 1.06 |
| 0.705 | | d. relative row grade 1 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.26 | 3.26 | 3.26 | 3.26 |
| CMZ 65\va. Single Year/ Single Crop Templates\vegetables\pumpkins\pumpkin, rc2; sp, z65 | | d. relative row grade 1 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 1.58 | 1.58 | 1.58 | 1.58 |
| CMZ 65\va. Single Year/ Single Crop Templates\vegetables\snap beans\Snap beans, early; sp, z65 | | d. relative row grade 1 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 3.81 | 3.81 | 3.81 | 3.81 |
| CMZ 65\va. Single Year/ Single Crop Templates\vegetables\strawberries\strawberries, 3 yr harv, rc2; sp, z65 | | d. relative row grade 1 percent of slope grade | Strip cropping\2strip rotational 0-1 | (none) | 0.717 | | 0.537 | 0.525 |