

## RUSLE2 Worksheet Erosion Calculation Record

Info: T 1437 F 1 & 4- One year of minimum till corn silage followed by four years of no-till spring planted alfalfa/grass mix has an average soil loss value of 2.13 T/A/yr.

**Inputs:**

|                   |                                  |    |
|-------------------|----------------------------------|----|
| <b>Owner name</b> | <b>Location</b>                  | -- |
| Gavitt            | USA\Pennsylvania\Lycoming County |    |

| Location                         | Soil   | T value | Slope length (horiz) | Avg. slope steepness, % |
|----------------------------------|--|---------|----------------------|-------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\LkB Leck kill channery silt loam, 3 to 8 percent slopes\Leck Kill Channery silt loam 85% | 4.0     | 200                  | 10.0                    |

**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\Corn, silage; sctw, z65  |             | d. relative row grade 2 percent of slope grade | Strip cropping\3-strip rotational 0-3-0 | (none)                            | 10.1                             | 10.1                     | 10.1                           | 10.1                   |
| CMZ 65\A. Single Year/ Single Crop Templates\forage systems\alfalfa grass sp seed & nurse grain\alfalfa grass ss nurgr 4yr; snt z65 |             | d. relative row grade 2 percent of slope grade | Strip cropping\3-strip rotational 0-3-0 | (none)                            | 0.147                            | 0.147                    | 0.135                          | 0.135                  |