

## RUSLE2 Worksheet Erosion Calculation Record

Info: T 1744 F 4- One year of spring plowed corn grain with followed by one year of no-till soybeans followed by four years of no-till spring planted alfalfa has an average soil loss value of 1.94 T/A/yr.

**Inputs:**

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

| Location                         | Soil  | T value | Slope length (horiz) | Avg. slope steepness, % |
|----------------------------------|---|---------|----------------------|-------------------------|
| USA\Pennsylvania\Lycoming County | Lycoming County, Pennsylvania\KIB Klinesville shaly silt loam, 3 to 8 percent slopes\Klinesville channery silt loam 90% | 2.0     | 250                  | 7.00                    |

**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\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)                            | 6.54                             | 6.44                     | 5.28                           | 5.12                   |
| CMZ 65\a. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 4yr; snt z65 |             | b. absolute row grade 2 percent | Strip cropping\2strip rotational 0-1 | (none)                            | 0.275                            | 0.275                    | 0.270                          | 0.270                  |