

## RUSLE2 Profile Erosion Calculation Record

Info: T4316- 19

**File:** Cold Springs Farm 238-08012A

**Inputs:**

Location: Illinois\Jo Daviess County

Soil: 274D2 Seaton silt loam, 10 to 15 percent slopes, eroded\Seaton silt loam 100%

Slope length (horiz): 120 ft

Avg. slope steepness: 12 %

| <i>Management</i>  | <i>Vegetation</i>                                     | <i>Yield units</i> | <i>Yield (# of units)</i> |
|--|---|--------------------|---------------------------|
| CMZ 04\A.Single Year/Single Crop<br>Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4 | Grass, cool season pasture,<br>regrowth after grazing | ton                | 0.60000                   |
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Contouring: a. rows up-and-down hill

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 10% more than normal

**Outputs:**

T value: 5.0 t/ac/yr

Soil loss erod. portion: 2.6 t/ac/yr

Detachment on slope: 2.6 t/ac/yr

Soil loss for cons. plan: 2.6 t/ac/yr

Sediment delivery: 2.6 t/ac/yr

Crit. slope length: -- ft

Surf. cover after planting: -- %

| <i>Date</i> | <i>Operation</i>                      | <i>Vegetation</i>                                  | <i>Surf. res. cov. after op, %</i> |
|-------------|---------------------------------------|--|------------------------------------|
| 5/1/0       | Graze, rotational                     | Grass, cool season pasture, regrowth after grazing | 6.1                                |
| 6/15/0      | Graze, rotational                     | Grass, cool season pasture, regrowth after grazing | 6.2                                |
| 7/30/0      | Graze, rotational                     | Grass, cool season pasture, regrowth after grazing | 8.2                                |
| 7/30/0      | Manure spreader, solid and semi-solid |  | 8.2                                |
| 9/15/0      | Graze, rotational                     | Grass, cool season pasture, regrowth after grazing | 6.7                                |
| 10/15/0     | Graze, rotational                     | Grass, cool season pasture, regrowth after grazing | 6.6                                |

