

RUSLE2 Profile Erosion Calculation Record

Info: T4316-8, 9,12, 24

File: Cold Springs Farm 238-07012A

Inputs:

Location: Illinois\Jo Daviess County

Soil: 274F Seaton silt loam, 25 to 45 percent slopes\Seaton silt loam 100%

Slope length (horiz): 48 ft

Avg. slope steepness: 27 %

<i>Management</i>	<i>Vegetation</i>	<i>Yield units</i>	<i>Yield (# of units)</i>
CMZ 04\A.Single Year/Single Crop Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4	Grass, cool season pasture, regrowth after grazing	ton	0.60000
CMZ 04\A.Single Year/Single Crop Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4	Grass, cool season pasture, regrowth after grazing	ton	0.60000
CMZ 04\A.Single Year/Single Crop Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4	Grass, cool season pasture, regrowth after grazing	ton	0.60000
CMZ 04\A.Single Year/Single Crop Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4	Grass, cool season pasture, regrowth after grazing	ton	0.50000
CMZ 04\A.Single Year/Single Crop Templates\Pasture\Pasture Rotational 2-3 Ton, CMZ4	Grass, cool season pasture, regrowth after grazing	ton	0.50000

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: 4.5 t/ac/yr

Detachment on slope: 4.5 t/ac/yr

Soil loss for cons. plan: 4.5 t/ac/yr

Sediment delivery: 4.5 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

