

RUSLE2 Profile Erosion Calculation Record

Info: T4316- 18

File: Cold Springs Farm 238-08012A

Inputs:

Location: Illinois\Jo Daviess County

Soil: 53D Bloomfield loamy fine sand, 7 to 15 percent slopes\Bloomfield loamy fine sand 100%

Slope length (horiz): 120 ft

Avg. slope steepness: 10 %

<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
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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: 0.79 t/ac/yr

Detachment on slope: 0.79 t/ac/yr

Soil loss for cons. plan: 0.79 t/ac/yr

Sediment delivery: 0.79 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

