

RUSLE2 Profile Erosion Calculation Record

Info: T4316- 72, 109

File: Cold Springs Farm 238-08012A

Inputs:

Location: Illinois\Jo Daviess County

Soil: 274E2 Seaton silt loam, 15 to 25 percent slopes, eroded\Seaton silt loam 100%

Slope length (horiz): 49 ft

Avg. slope steepness: 18 %

<i>Management</i>	<i>Vegetation</i>	<i>Yield units</i>	<i>Yield (# of units)</i>
CMZ 04\c.Other Local Mgt Records\corn grain,;FC, st pt, fcult, NH, Manurez4 JoDaviess	Corn, grain	bushels	172.00

Contouring: e. relative row grade 50 percent of slope grade

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: 4.8 t/ac/yr

Detachment on slope: 4.8 t/ac/yr

Soil loss for cons. plan: 4.8 t/ac/yr

Sediment delivery: 4.8 t/ac/yr

Crit. slope length: 49 ft

Surf. cover after planting: 53 %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
5/5/0	Fert. applic. anhyd knife 30 in		66
5/10/0	Cultivator, field 6-12 in sweeps		53
5/10/0	planter, double disk opnr	Corn, grain	53
10/20/0	Harvest, killing crop 50pct standing stubble		85
10/30/0	Manure spreader, solid and semi-solid		97
11/1/0	Chisel plow, coulter, st. pts.		69