

IOWA RUSLE2 COMPLIANCE PLAN

RUSLE2 SOFTWARE DETAILS

- Program version: Nov 13 2006
- Database name: RUSLE2 1.26 May 10 Jasper moses

File: plans\Iowa Compliance Plan

Inputs:

Owner name	Location	Tract #
	Iowa\Jasper County	

Field name	Soil	Slope T Value	Slope length, ft	Slope steepness, %
	Jasper County, Iowa\20D2 Killduff silty clay loam, 9 to 14 percent slopes, moderately eroded\Killduff silty clay loam moderately eroded 100%	5.0	150	12

Results:

Field name	Description	Management	Contouring system	Support practices	Terrace/diversion system	Cons. plan. soil loss, t/ac/yr
#1	Rotation: Corn Soybean Tillage: Corn will be no-tilled into SB stubble leaving at least 40% of the ground covered by residue after planting. Soybeans will be no-tilled into corn stalks leaving at least 60% of the ground covered by residue after planting. Anhydrous may be applied in the fall. Contour 2% Row Grade	CMZ 04\c.Other Local Mgt Records\CB no-till, anhydrous 40/60, contour 2% RG	b. absolute row grade 2 percent	-- none --	-- none --	4.3
#2	Rotation: Corn Soybean Tillage: Corn will be no-tilled into SB stubble leaving at least 40% of the ground covered by residue after planting. Soybeans will be no-tilled into corn stalks leaving at least 60% of the ground covered by residue after planting. Anhydrous may be applied in the fall. Straight Row	CMZ 04\c.Other Local Mgt Records\CB no-till, anhydrous 40/60, straight row	a. rows up-and-down hill	-- none --	-- none --	5.4
#3	Rotation: Continuous Corn Tillage: Corn stalks will be tilled leaving at least 60% residue on the surface after planting. Anhydrous may be applied in the fall. Straight row.	CMZ 04\c.Other Local Mgt Records\CC - anhydrous, high residue - 60%	a. rows up-and-down hill	-- none --	-- none --	4.1



D Slope Options with terraces - 5T

IOWA RUSLE2 COMPLIANCE PLAN

RUSLE2 SOFTWARE DETAILS

- Program version: Nov 13 2006
- Database name: RUSLE2 1.26 May 10 Jasper moses

File: plans\Iowa Compliance Plan

Inputs:

Owner name	Location	Tract #
	Iowa\Jasper County	

Field name	Soil	Slope T Value	Slope length, ft	Slope steepness, %
	Jasper County, Iowa\20D2 Killduff silty clay loam, 9 to 14 percent slopes, moderately eroded\Killduff silty clay loam moderately eroded 100%	5.0	120	12

Results:

Field name	Description	Management	Contouring system	Support practices	Terrace/diversion system	Cons. plan. soil loss, t/ac/yr
#4	Rotation: Corn Soybean Tillage: Corn stalks will be tilled leaving at least 40% residue after planting. Corn will be no-tilled into SB stubble leaving 50% residue after planting. Anhydrous may be applied in the fall. Contour 2% Row Grade with terrace on bottom of RUSLE2 slope.	CMZ 04\c.Other Local Mgt Records\CB corn stalks tilled 40/50 residue	b. absolute row grade 2 percent	-- none --	1 Parallel Tile Outlet terrace 2.0% grade at bottom of RUSLE slope	5.3
#5	Rotation: Corn Soybean Tillage: Soybeans will be no-tilled into corn stalks leaving at least 70% of the ground covered by residue after planting. Soybean stubble will be tilled leaving at least 30% of the ground covered by residue after planting. Anhydrous may be applied in the fall. Contour at 2% Row grade with terrace on the bottom of the RUSLE2 slope.	CMZ 04\c.Other Local Mgt Records\CB, fld cult SB stubble, with anhydrous, contour, D Slope	b. absolute row grade 2 percent	-- none --	1 Parallel Tile Outlet terrace 2.0% grade at bottom of RUSLE slope	5.7

Ephemeral gullies are concentrated flow channels formed when rills converge to form shallow channels. They are alternately filled with soil by tillage operations and re-formed in the same general location by subsequent runoff events. Ephemeral gully erosion **must be controlled** in all fields in order to remain eligible for Farm Program benefits.

The following practices can control ephemeral erosion when established and maintained in the proper location: Your local NRCS staff will provide assistance with layout and design of these practices upon request.

- **Field Border:** a strip of permanent vegetation established at the edge or around the perimeter of a field
- **Grassed Waterway:** a natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff
- **Terrace:** an earth embankment, or a combination ridge and channel constructed across the field slope
- **Water and Sediment Control Basin:** an earth embankment or a combination ridge and channel generally constructed across the slope and minor watercourses to form sediment trap and water detention basin

Participant Signature

Date

Designated Conservationist

Date

SWCD Commissioner

Date