

C Slope Options - 7T
 (to be used when revising systems that are applied & maintained.)

IOWA RUSLE2 COMPLIANCE PLAN

RUSLE2 SOFTWARE DETAILS

- Program version: Nov 13 2006
- Database name: RUSLE2 1.26 May 10 Jasper mores
- 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\162C2 Downs silt loam, 5 to 9 percent slopes, moderately eroded\Downs silt loam moderately eroded 100%	5.0	200	7.0

Results:

Field name	Description	Management	Contouring system	Support practices	Terrace/diversion system	Cons. plan. soil loss, t/ac/yr
#1	Corn stalks will be tilled leaving at least 40% of the ground covered by residue after planting. SB stubble will be tilled leaving at least 20% 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, fld cult both crops, with anhydrous, straight row, C slope	a. rows up-and-down hill	-- none --	-- none --	7.0
#2	Corn stalks will be tilled leaving at least 40% of the ground covered by residue after planting. SB stubble will be tilled leaving at least 20% of the ground covered by residue after planting. Anhydrous may be applied in the fall. Contour at 2% Row Grade	CMZ 04\c.Other Local Mgt Records\CB, fld cult both crops, with anhydrous, straight row, C slope	b. absolute row grade 2 percent	-- none --	-- none --	6.1
#3	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.	CMZ 04\c.Other Local Mgt Records\CB, fld cult SB stubble, with anhydrous, contour C slope	a. rows up-and-down hill	-- none --	-- none --	6.5

<p><i>*4</i></p>	<p>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.</p>	<p>CMZ 04\c.Other Local Mgt Records\CB corn stalks tilled 40/50 residue</p>	<p>a. rows up-and-down hill</p>	<p>-- none --</p>	<p>-- none --</p>	<p>6.0</p>
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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