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Crop Rotation / Residue Management / Gully Treatment

Nebraska Conservation Planning Sheet 18

USDA Natural Resources Conservation Service
Lincoln, NE

Revised August 2012

Name: C. J Worker

Date: August 16, 2012

Legal Description:

Crop Rotation Requirements

Tract(s)	Field #(s)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
888	777	Corn	Soybeans	Corn					

The appropriate crop is listed for each year of the rotation and starts over at Year 1 after the last year. Obtain Nebraska Planning Sheet No. 5 for additional information and allowed crop substitutes.

Other Requirements: Incidental grazing of corn stalks is allowed; do not graze after soybean harvest.

(Gully Treatment options and requirements are explained on Page 2 of this planning sheet)

Ground Cover/Planting/Tillage Requirements

Tract(s)	Field #(s)	1/ Crop	2/ Previous Crop	3/ Tillage/ Planting System	% Ground (Residue) Cover	Ridge Height (in.)	Row Width (in.)	Row Direction	4/ Strip Width	Time Frame
888	777	Oats cover crop	Sod	ST	0	-	-	-	-	Breakout year. Drill oats by April 15th
"	"	Corn	Oats cover	NT	-	-	-	-	-	Terminate oats at 6-8 in
888	777	Soybeans	Corn	NT	45	-	-	-	-	After Planting
888	777	Corn	Soybeans	NT	45	-	-	-	-	After Planting
888	777	Corn	Corn	NT	45	-	-	-	-	After Planting

Footnote explanations are on Page 2 of this planning sheet

Ground Cover/Planting/Tillage Requirements

Tract(s)	Field #(s)	1/ Crop	2/ Previous Crop	3/ Tillage/ Planting System	% Ground (Residue) Cover	Ridge Height (in.)	Row Width (in.)	Row Direction	4/ Strip Width	Time Frame

Ephemeral / Classic Gully Control Measures

- Crop Rotation/Ground Cover/Planting/Tillage Requirements will be implemented as described on page 1. [5/]
- For Sodbuster Plans the conservation system applied must control and contain sedimentation until critically eroding areas are stabilized. This may require utilization of temporary practices.
- For Sodbuster Plans, concentrated flow/ ephemeral gully erosion **must be controlled** and will be identified using aerial photography and on-site investigation to determine appropriate treatment measures.
- For all other plans concentrated flow/ephemeral gully erosion will be controlled on all HEL fields to eliminate offsite damage. Aerial photography, supplemented by on-site investigations if necessary, can be used to identify areas requiring treatment.
- Check the practices below that will be implemented to control concentrated flow/ephemeral gully erosion and **identify where the practices are to be installed on the attached plan map**.

☒	**Practice Name (Practice Code)**	**Implementation Notes**	**Timeframe**
☒	Continuous No-till (329)	Implement according to Nebraska Agronomy Technical Note No. NE-109 [6/]	2012 and thereafter
☐	Mulch (484) in conjunction with continuous no-till [6/]	Must be applied annually or as specified. Type: Rate: Method:	
☒	Cover crop (340) in conjunction with continuous no-till [6/]	Must be applied annually or as specified. Type: cereal rye Seeding Rate: 2 bu. per acre	Drill rye by Oct. 15 following soybeans
☐	Conservation Cover (327)	Maintain existing perennial grass in concentrated flow/critical areas as identified.	2011
☒	Critical Area Seeding (342)	Obtain design specifications from NRCS prior to establish perennial grass per FOTG 342DP Section B.	2011-seed designated areas prior to corn planting
☐	Grassed Waterway (412) ☐ Mulch (484) ☐ Cover Crop (340) ☐ Critical Area Seeding (342)	Obtain design specifications from NRCS prior to installing including dimensions, shaping, seeding, grass mixtures, mulching, cover crops and other requirements per FOTG 412 and 342DP Sec. B.	
☐	Diversion (362) ☐ Terrace (600)	Where indicated on the plan map. Obtain design specifications prior to installing.	Refer to the narrative conservation plan for installation schedule
☐	Water and Sediment Control Basin (638) ☐ Other:		
	Additional notes: Do not destroy cover crops until they have realized 6 – 8 inches of growth. During earthmoving, shape concentrated flow areas to be as broad and shallow as the topography allows. Maintain existing vegetation where indicated. When ephemeral gullies occur in concentrated flow areas they must be maintained by shaping and planting a cover crop immediately following harvest. Additional practices may be required as per bullet 5 above.		

Footnotes:

1/ Crop column is for the crop being planted; it can also be fallow.

2/ Previous crop column is for the prior year's crop (residue). If the field was in fallow the previous year, indicate the fallow type (wheat fallow, corn fallow, etc.)

3/ Tillage/Planting System Types:

ST = Spring Mulch Tillage NONE = Tillage not allowed *NT = No Till
FT = Fall Mulch Tillage SP = Spring Plow *STP = Strip Till (Till-Plant)
MT = Mulch Tillage FP = Fall Plow RT = Ridge Till RC = Row Cultivation allowed
* Row Cultivation is not allowed with continuous No-Till or Strip-Till Systems.

4/ Strip Width is the distance between wind strips, windbreaks, trap strips, wind barriers, contour strips, or contour buffer-strips.

5/ The Ephemeral Gully Erosion Prediction worksheet (FOTG: Sec. IV: Tools) or The Ephemeral Gully Erosion look-up tables (FOTG: Sec. I: Erosion Prediction) will be used to determine if the planned Residue Management/Cropping system is sufficient to control ephemeral gullies.

6/ Refer to Nebraska Agronomy Technical Note No. NE-109: Planning Considerations for Establishing Continuous No-till Cropping Systems on Highly Erodible Land.

I/we concur to immediately implement the crop rotation/residue management requirements and all other requirements specified in this plan and maintain them on a continuing basis.

Owner/Operator Date

Designated Conservationist Date

Approved by Natural Resources District Date