



**Soil Erosion Enhancement Activity – SOE04 - Continuous no-till**

**State Criteria (same as NATIONAL CRITERIA)**

**Must also meet the criteria for Conservation Practice Standard 329, Residue and Tillage Management No-till/Strip till/Direct Seed**

- Seedbed preparation, planting method and fertilizer placement will not disturb more than one-third of the row width
- No row cultivation is allowed
- Fertilizer and manure placement shall be limited to low disturbance methods such as surface application or injection with narrow knives on 30 inch spacing or wider.

**High Residue Producing Annual Crops**

Corn (Grain or Seed corn)	Grain Sorghum (Milo)	Millet (all types for grain)
Small Grains (Winter or Spring Wheat, Oats, Rye, Barley, Triticale)	Forage Sorghums, Cane, Sudangrass or similar forage crops with 18 inches or more of re-growth after forage harvest (prior to a killing frost)	Canola (rapeseed)

- Removal of stover by baling or other methods is not allowed except as indicated in the National Criteria.
- Removal of straw following small grains is allowed when at least 10 inches of stubble height is maintained after removal.
- Incidental grazing is allowed when managed to maintain 50% or more crop residue ground cover after grazing.

**Low Residue Crops (must be followed by a cover crop)**

Sunflowers	Soybeans	Edible beans (all types)
Popcorn	Sweet corn	Corn or Sorghum silage/green chop
Chickpea/Garbanzo	Flax	Mustard
Safflower	Millet, hay	Buckwheat
all high residue crops that have excessive residue removed by grazing or baling that does not maintain at least 50% ground cover or required stubble height.		

- All low residue crops must be direct harvested (e.g. edible beans)
- Cover crop must be planted without tillage prior to planting

**Cover Crop Requirements**

- Cover crops must follow planting dates, seeding rates, method of planting and other requirements in Conservation Practice Standard [340](#), Cover Crop. Specifications will be provided on the Cover Crop Worksheet ([NE-CPA-7](#)).
- Cover crops cannot be harvested or grazed
- Cover crops which winter kill must be planted at least 8 weeks prior to the average date of the first killing frost.
- Cover crops which over winter must have at least 4 weeks of spring growth before termination.
- Winter annual cover crops planted following a low residue crop must have a minimum of 6-8" of growth before they are terminated.
- Cover crop must contain a least one different crop type than the previous crop



- Additional cover crop requirements following fall harvested crops:
  - Cover crop must be winter annual small grain or/ winter annual small grain with legume.
  - Winter annual cover crops include cereal rye, triticale or winter wheat.

**Documentation Requirements (SEE NATIONAL ENHANCEMENT ACTIVITY JOBSHEET)**

Complete the Tables 1 & 2 below to document the planned crop rotation and cover crop management.

Complete the attached Field Operations Worksheet.

**Table 1: Crop rotation documentation.**

To be completed by NRCS and Producer during planning					To be completed by Producer during certification process			
1	2	3	4	5	6	7	8	9
Tract	Field(s)	Existing Rotation	Rotation Planned	Acres Planned	Rotation Applied	Planting Method	Other Field Operations	Acres Applied
<i>Ex.1</i>	<i>1</i>	<i>C-B</i>	<i>C-B-cc</i>	<i>100</i>	<i>C-B-cc</i>	<i>No-till</i>		<i>100</i>

EX= EXAMPLE, COLUMNS 1-5 NRCS COMPLETES, COLUMNS 6-9 PRODUCER COMPLETES

C=Corn; B=soybeans/edible beans; W=Wheat; M=Milo; A=Alfalfa; O=Oats; cc=cover crop;

Others=\_\_\_\_\_

**Table 2: Cover crop documentation.**

Tract	Field(s)	Previous Crop	Cover Crop	Date Planted	Planned Date of Termination	Method of Termination
<i>EX. 1</i>	<i>1</i>	<i>Soybeans</i>	<i>Cereal rye</i>	<i>Oct. 1</i>	<i>April 15</i>	<i>herbicide</i>

**In addition:**

Complete, sign, and attach Cover Crop Worksheet ([NE-CPA-7](#)).

**I certify that the enhancement criteria have been met and the required documentation provided to NRCS.**

Certified by: \_\_\_\_\_ Date: \_\_\_\_\_

**Field Operations Worksheet**



United States Department of Agriculture  
 Natural Resources Conservation Service

NE-SOE04 2012 Ranking Period 1

For each crop in the rotation show the crop being grown, the previous crop, and the date or dates for each operation normally used from harvest of the previous crop through harvest of the crop being grown (annual harvesting operations are assumed for crops other than alfalfa). For alfalfa use one column to show the operations for seeding alfalfa, one column to show the number of years alfalfa is grown and the number of harvest operations, and one column to show the operations used to break out the alfalfa and plant an annual crop. Use additional sheets if needed.

<b>Crop being grown (list actual crop rotation):</b>						
<b>Previous crop (residue type):</b>						
<b>Field Operation</b>	<b>Date(s)</b>	<b>Date(s)</b>	<b>Date(s)</b>	<b>Date(s)</b>	<b>Date(s)</b>	<b>Date(s)</b>
Bale crop or crop residue						
Graze stubble or residue						
Shredder, flail or rotary						

Fertilizer application – Anhydrous, 30 inch spacing						
Fertilizer application, strip till						
Manure injector, 30 inch spacing						

Drill or airseeder, single disk openers						
Drill or airseeder, double disk openers						
Drill or airseeder, double disk openers w/ coulters						
Drill or air seeder, hoe/chisel openers						
Planter, double disk openers						
Planter, ridge till, strip till, or double disk openers with residue managers						

Spraying operations						
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Harvest operation(s)						
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**Other operations:**

Other operation – please describe (use additional sheet if necessary)						
Other operation – please describe (use additional sheet if necessary)						
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Other operation – please describe (use additional sheet if necessary)						