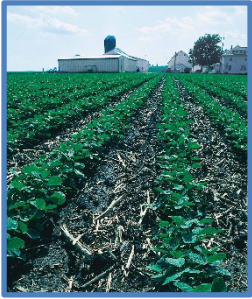


328 – Conservation Crop Rotation Implementation Requirements

Producer: _____
Location: _____
Farm Name: _____

Project or Contract: _____
County: _____
Tract Number: _____

Practice Lifespan – 1 year



Practice Purpose(s): (check all that apply)

- (1) Reduce sheet, rill and wind erosion.
- (2) Maintain or increase soil health and organic matter content.
- (3) Reduce water quality degradation due to excess nutrients.
- (4) Improve soil moisture efficiency.
- (5) Reduce the concentration of salts and other chemicals from saline seeps.
- (6) Reduce plant pest pressures.
- (7) Provide feed and forage for domestic livestock.
- (8) Provide food and cover habitat for wildlife, including pollinator forage, and nesting.
- (9) Other: (Specify)

Description of work:

NRCS Review Only

Designed By:	Date	
Checked By:	Date	
Approved By:	Date	

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GENERAL CRITERIA:

Crops shall be grown in a planned sequence as outlined in Specifications. The crop rotation shall include a minimum of two different crops. For purposes of these criteria a cover crop is considered a different crop. Where applicable, plan suitable crop substitutions when the planned crop cannot be planted due to weather, soil conditions, or other local situations.

Additional Criteria to Reduce Sheet, Rill and Wind Erosion

(check if applicable)

Select crops, a tillage system, and cropping sequences that will produce sufficient and timely quantities of biomass or crop residue which, in conjunction with other practices in the management system, will reduce sheet, rill and wind erosion to within the soil loss tolerance (T) or any other planned soil loss objective. Determine the amount of biomass or crop residue needed by using current approved erosion prediction technology.

Additional Criteria to Maintain or Increase Soil Health and Organic Matter Content

(check if applicable)

Grow crops that will produce a positive trend in the Organic Matter (OM) subfactor value over the life of the rotation, as determined by the Soil Conditioning Index. Make appropriate adjustments for additions to or subtractions from biomass.

Additional Criteria to Reduce Water Quality Degradation Due to Excess Nutrients

(check if applicable)

To recover excess nutrients from the soil profile, use crops with:

- Quick germination and root system formation,
- A rooting depth sufficient to reach the nutrients not removed by the previous crop, and
- Nutrient requirements that readily utilize the excess nutrients.
- Credit nutrients provided by legumes and manure/compost.

Additional Criteria to Reduce Plant Pest Pressures

(check if applicable)

Design the crop sequence to suppress the pest(s) lifecycle of concern, which may include weeds, insects, and pathogens. Use land grant university or industry standards to determine a suitable crop sequence. One website is the University of Vermont (UVM) Forages Home Page -

<http://pss.uvm.edu/vtcrops/?Page=pest.html>

Additional Criteria to Provide Feed and Forage for Domestic Livestock

(check if applicable)

Select crops that balance the feed supply with livestock numbers. Determine the required amount of selected crops using an approved forage-livestock balance procedure and can be planned in conjunction with the Comprehensive Nutrient Management Plan (CNMP).

Additional Criteria to Provide Food and Habitat for Wildlife, Including Pollinator Forage, and Nesting

(check if applicable)

Select the crops and crop management activities that provide either food or cover for the targeted wildlife species using an approved habitat evaluation procedure and habitat management plan, as per practice standards 644 – Wetland Wildlife Habitat Management and 645 – Upland Wildlife Habitat Management.

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SPECIFICATIONS:

Complete the following tables displaying crop rotation design,
or attach the erosion prediction output table showing crop rotation sequence by field.

Tract/Field(s)	Acres	Purpose(s) of Crop Rotation	Crops To Be Grown	Type of Primary Tillage	Time of Primary Tillage
<i>Example:</i> T- 24987 F- 5, 8, 14, 22	36	1, 2, 3, 7	Legume/Cool Season Grass mix (H) Silage corn (C) Winter Cereal Rye Cover Crop (CC)	Spring Disk	May 1

Tract/Field(s)	Length (Years) of Each Crop Grown In the Rotation	Crop Sequence	Length (years) of Rotation	Planned Average Annual Soil Loss (Rotation)	SCI Factor (OM) *
<i>Example:</i> T- 24987 F- 5, 8, 14, 22	Legume/CS Grass - 5 Years Silage Corn w/Fall CC - 3 Years	Year: 1 2 3 4 5 6 7 8 1 2 3 Crop: H H H H H C-CC C-CC C-CC H H H	8	3.2 T/A/Y	

* If a stated practice purpose is (2) Soil Health/Organic Matter, the planned SCI value must be higher than benchmark OM

328 – Conservation Crop Rotation Implementation Requirements

Provide suitable crop substitutions to address weather, soil conditions, market, or other situations that may prevent the planned crop from being planted.

Tract/Field(s)	Planned Crop	Substitute Crop	Additional Criteria (e.g. field may need a cover crop)
<i>Example:</i> T- 24987 F- 5, 8, 14, 22	Silage corn, Winter Cereal Rye Cover Crop, Legume/Cool Season Grass mix	Forage Sorghum, Winter Cereal Rye Cover Crop, Legume/Cool Season Grass mix	N/A

OPERATION AND MAINTENANCE:

- Rotations shall provide for acceptable substitute crops in case of crop failure or shift in planting intentions for weather related or economic reasons. Acceptable substitutes are crops having similar properties that will accomplish the purpose of the original crop.
- Evaluate the rotation and the crop sequence to determine if the planned system is meeting the planned purposes.

Specific Additional Operation and Maintenance Requirements For Your Practice:

A map(s) showing all fields planned for Conservation Crop Rotation is attached.

If you have questions about this planned **Conservation Crop Rotation** practice contact:

Name:		Tel:		Email:	
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328 – Conservation Crop Rotation Implementation Requirements

For NRCS Use Only:

PRACTICE CHECKOUT AND CERTIFICATION: *Certifying official completes 'Check Out information'*

Recommendation: Attach digital photograph(s) to document practice installation and illustrate practice before and after effects.

CHECK OUT INFORMATION:

Certification of this practice is eligible once the new rotation has begun. Example: In a 'Corn-Hay' rotation, it is when the hay portion of the rotation is planted.

Crop Year: _____

CIN # (if applicable): _____

Amount Completed: Number of Fields: _____ Total Acres: _____

* Mark the completed field locations on the conservation plan map.

Remarks:

Certification Statement:

I certify that implementation of this conservation practice is complete, meets criteria for the stated purpose(s), and meets the NRCS conservation practice standard and specifications.

This practice meets NRCS standards and specifications Yes No

Check out and Certification by: _____ Date: _____
Planner/Technical Service Provider Signature

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