

Water Quality Enhancement Activity – WQL05 – Apply Nutrients No More Than 30 Days Prior to Planned Planting Date



Enhancement Name

Apply nutrients (fertilizer, manure, etc.) no more than 30 days prior to the planned planting date of the crop.

Land Use Applicability

This enhancement is applicable on cropland.

Benefits

Nutrient application timing is critical in order for nutrients to be available during critical crop growth stages and to meet crop yield goals. Nutrients that

are land applied in excess of 30 days prior to the planned crop planting date are potentially lost to the environment causing water quality concerns and potential soil emissions of nitrous oxide, a potent greenhouse gas.

Criteria

Implementation of this enhancement requires:

- 1) Fertilizer, manure or any other organic by-products, regardless of form or application method must be applied no more than 30 days prior to the planned crop planting date, or after crop planting.
- 2) The producer must have a current soil test (no more than 3 years old).
- 3) Nutrient application rates must be within the Land Grant University (LGU) recommendations based on soil testing and established yield goals and considering all nutrient sources.
- 4) Soil surface disturbance must be minimized.

Documentation Requirements for Applying Nutrients (fertilizer, manure, etc.) no more than 30 days prior to the planned planting date of the crop:

- 1) Documentation required for each year of this enhancement:
 - Treatment acres
 - Target (planned) crop
 - Planned planting date
 - Actual planting date and crop planted
 - Soil test results
 - Crop yields (both yield goals and measured yield)



- Nutrient application rates/amounts and application dates for each treatment area
- 2) A map showing where the activities are applied.



United States Department of Agriculture
Natural Resources Conservation Service

NE-WQL05

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State Criteria

- Fertilizer, regardless of form (i.e. commercial fertilizer, manure or any other organic by-product), must be applied no more than 30 days prior to planned planting date or after crop planting.
- Nutrient application rates are within University of Nebraska recommendations based on soil tests and established yield goals considering all nutrient sources (refer to Practice Standard 590 and Practice Specification (S-590) for Nutrient Management).
- All soil samples must be taken prior to applying fertilizer or manure.
- Soils shall be sampled and analyzed in accordance with Practice Specification for Nutrient Management (S-590) or NebGuide “Guidelines for Soil Sampling” (G1740).
- If applicable, manure shall be sampled and analyzed annually in accordance with Practice Standard 633 – Waste Utilization and Nebfact “Manure Testing: What to Request” (NF02-507).
- Minimize soil surface disturbance.

Documentation Requirements

1. Provide a map indicating where the activities were applied.
2. Provide copies of soil test results.
3. Provide copies of manure analysis, if applicable.
4. Complete the nutrient and fertilizer application table on the following page.

I certify that the following information meets specifications and has been provided to NRCS:

1. Written documentation of the activity performed per documentation requirements.
2. Copies of dated receipts for equipment or services purchased.

I understand that it is my responsibility to obtain all necessary permits and to comply with all laws, regulations and ordinances pertaining to the application of these activities.

Certified by: _____ **Date:** _____



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Field Information		Crop Information		Commercial Fertilizer and Manure Information										
Tract & Field	Acres	Planned Planting Date (m/d/yr)	Actual Planting Date (m/d/yr)	Crop & Yield		Date Applied (m/d/yr)	Form of Commercial Fert. or Manure	Rate (lb/a)	Application Method	If Manure, Days to Incorp.	N Avail. (lb/a)	P Avail. (lb/a)	Total N Avail. (lb/a)	Total P Avail. (lb/a)
T1234 & f1	79.8	5/1/09	4/30/09	Crop	4/1/09	82-0-0 gas	150 lb	injection	na	123		134	39	
				Yield	4/30/09	10-34-0 liquid	10 gal	At planting	na	11.4	39			
				Crop										
				Yield										
				Crop										
				Yield										
				Crop										
				Yield										