



Management Area Rules and Regulations

Phase I Requirements –

All operators within the district are subject to the requirements of Phase I.

1. ***Fall Applied Anhydrous Ammonia***
Application of anhydrous ammonia before November 1 is prohibited.
2. ***Pre-Plant Liquid or Dry Nitrogen Formulations***
Pre-plant nitrogen applications in liquid or dry forms are **prohibited** before March 1.

Exemptions to Items 1 & 2

- The application of nitrogen fertilizer for any purpose other than fertilizing spring planted crops.
- The application of nitrogen fertilizer for spring planted small grains such as barley, oats and rye.
- The application of fertilizer that is not considered a “nitrogen fertilizer” as defined in Rule 5 of the District Groundwater Management Rules and Regulations.
- The spreading of manure, sewage and other by-products, conducted in compliance with state laws and regulations.

Phase II Requirements –

All operators of land within district Management Zones 1, 2, 3, 4, 5, 6, and 11 are subject to the requirements of Phase II. Refer to the map on page 3 for management areas. Phase II operators are required to follow all Phase I requirements in addition to the following:

1. ***Nitrogen Certification Training***
Farm operators must attend a nitrogen certification training once every 4 years.

Irrigation Scheduling

Irrigation scheduling equipment is required in at least one field in a Phase II area. The equipment should be installed in the largest field you operate. Examples are:

- Capacitance Probes
- Resistance Blocks
- Other methods approved by the District

2. ***Soil Sampling Requirements***

Soil samples are required in years when corn or sorghum will be grown following a non-legume crop and/or when livestock, municipal or industrial waste has been applied within the last 12 months.

A minimum of:

- 1 composite 0-8” sample per field analyzed for organic matter and residual nitrogen, and
- 1 composite 8-24” sample per field analyzed for residual nitrogen is required.

For soil sampling purposes, a field is defined as one where the crop and irrigation practices are the same.

3. ***University of Nebraska Lincoln (UNL) Recommended Nitrogen Fertilizer Application Rate***

Prior to applying nitrogen fertilizers, the operator must calculate the recommended application rate based on UNL’s nitrogen fertilizer recommendation equation. The UNL nitrogen recommendation equation takes into account the residual soil nitrogen from your soil analysis and other nitrogen credits.

4. ***Reporting Requirement***

Every year, a report is required for all dryland and irrigated fields by April 1. The report steps you through UNL’s Nitrogen Recommendation Equation. A copy of your soil analysis must accompany the report.

Phase III Requirements –

All operators of land within district Management Zone 5, 6, and 11 are subject to the requirements of Phase III. Phase III operators must follow all Phase I and II requirements, as well as the following.

1. Soil Sampling Requirements

Soil samples are required in years when corn or sorghum will be grown following a non-legume crop and/or when livestock, municipal or industrial waste have been applied within the last 12 months. A minimum of:

- 1 composite 0-8” sample per **40 acres** or any portion thereof, analyzed for organic matter and residual nitrogen

- 1 composite 8-24” sample per **40 acres** or any portion thereof, analyzed for residual nitrogen is required.

2. Irrigation Water Sampling

All irrigation wells must be sampled and tested for nitrate once every 3 years. You are free to use any lab you wish, but the NRD offers nitrate testing free of charge.

3. Fall and Winter Application of Anhydrous Ammonia

All anhydrous ammonia applied between the dates of November 1 and March 1 must be applied with a district approved nitrification inhibitor. Active ingredients include: Nitropyrin, Pronitridine, and Dicyandiamide. A receipt as proof of purchase **must** accompany your annual report. ♦♦♦

These requirements are according to Rule 5 of the District Ground Water Management Rules and Regulations Chapters 18- 22

