

Nebraska Nitrogen Use Efficiency (NUE) Program Application

There is a limit of 160 acres of corn per application, but you may have more than one application*

Name & Address of Producer: _____

Primary Contact: _____

Primary Contact Phone Number: _____

Primary Contact Email (if available): _____

Name of Natural Resources District (NRD): _____

Legal Description (Submit one application per field): _____

Field Name(s): _____

Crop Year: 2026 Total Acres to Be Enrolled* (Limit of 160 acres per application): _____

Total Number of Dryland Acres: _____ Total Number of NRD Certified Irrigated Acres: _____

NUE Will be Calculated by Using this Equation:

$$NUE = \frac{(Applied\ N + Credited\ N) \left(\frac{lbs}{acres} \right)}{Grain\ yield \left(\frac{bu}{acre} \right)}$$

Example 1: Corn /Corn Rotation, Non-Irrigated

- Yield: 200 bu/acre
- Residual Soil N: 5ppm
- Organic Matter: 2%
- Total Nitrogen Applied:
 - Manure (cattle slurry): 10,000 Gallons/acre with 0.021 lbs. N/gal
 - Synthetic: 20 lbs.

Nitrogen Credits:

Residual soil nitrate-N = 5 ppm x 8 lbs./ac/ppm = **40 lbs. N/acre**

N/acre

Organic matter mineralization = 0.14 x 200 x 2 = **56lbs. N/acre**

Manure = 10,000 Gallons x 0.021 lbs. N x 0.4 = **84 lbs. N/acre**

Total non-fertilizer credits = 40 + 56 + 84 = **180 lbs. N/acre**

NUE Calculation: (180 +20) / 200 = ~ **1.0 NUE**

Example 2: Corn /Soybean Rotation, Irrigated

- Yield: 230 bu/acre
- Residual Soil N: 5ppm
- Organic Matter: 2%
- Total Nitrogen Applied:
 - Synthetic: 45 lbs.
- Irrigation Water: 5 in. at 12ppm

Nitrogen Credits:

Residual soil nitrate-N = 5 ppm x 8 lbs./ac/ppm = **40 lbs. N/acre**

N/acre

Organic matter mineralization = 0.14 x 230 x 2 = **64.4 lbs. N/acre**

N/acre

Irrigation water nitrate = 12 ppm x 5 inches x 0.226 = **13.56 lbs. N/acre**

N/acre

Legume credit = **45 lbs.**

Total non-fertilizer credits = 40 + 64.4 + 13.56 + 45 = **162.96 lbs. N/acre**

NUE Calculation: (45 + 162.96) / 230 = ~ **0.90 NUE**

Documentation of Soil and Water samples are required to NRDs before payment if NUE is achieved.

- **Soil Sample per District Guidance**
 - Sample needs to be taken prior to planting
- **Irrigation Water Sample (if applicable)**
 - Water sample needs to be taken during the irrigation season
- **Manure Sample District Guidance (if applicable)**
 - Sample needs to be taken prior to planting

Receive information about enrolling your fields in Nitrogen research trials?

☐Yes

☐No

Were these fields enrolled in the Nitrogen Reduction Incentive Act (NiRIA) Program?

☐Yes

☐No

Applicant Signature (Receiving 1099)*: _____ Date: _____

NRD Signature: _____ Date: _____

*By participating in this program, I acknowledge that the data I provide may be shared with the local NRD, the Corn Board, and DWEE for the purpose of program administration, resource management, and reporting.