

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**
 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**
 Organic matter mineralization = 0.14 x 230 x 2 = **64.4 lbs. N/acre**
 Irrigation water nitrate = 12 ppm x 5 inches x 0.226 = **13.56 lbs. 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.