

2022 ISU-INREC-Premier Crop Nitrogen Trials

Iowa State University, Iowa Nutrient Research and Education Council (INREC), and Premier Crop Systems are partnering to recruit Iowa farmers to help develop new tools for nitrogen recommendations for Iowa farmland. As a participant in the 2022 program, we are looking for the following qualifications and requirements.

Objective

Understand optimal nitrogen rate in historically low and high productivity environments on your own fields. Facilitate broader knowledge base creation to assist Iowa State University to develop new tools for statewide nitrogen recommendations.

Grower Requirements

1. Ability to supply one 1st year corn (Corn following soybeans) and/or one corn on corn field to host trials
2. Combine equipped with yield monitor
3. Ability to supply at least 1 year of past corn yield to inform trial placement
4. Ability to apply yourself or through your preferred retailer a variable rate nitrogen prescription containing trials. Rest of field can be flat rate or variable rate, your choice
5. Ability to supply current year detailed cropping plans as is typically collected by Premier Crop (planting data, crop protection, nutrient applications, yield data)
6. N product to be used is grower's choice
7. N rates to be tested can be grower choice, plus and minus at least 30 lbs N in trial area
8. Trials can be in fall applied or spring applied N application
9. Grower agrees to keep all other factors constant in 2-5 ac trial areas (same hybrid, no other variation in nutrient application rates or crop protection)
10. Grower agrees to allow project personnel on farm throughout season to collect soil samples around planting and take drone imagery of fields around V6, R1, and R5 growth stages. Project personnel will coordinate all field visits with grower prior to arriving, by phone or text

Contact information
for interested
farmers:

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