## North Dakota State University

### Carrington Research Extension Center

#### North Dakota Agricultural Experiment Station

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**NDSU**

February 8, 2021

To: Potential Cooperators in Soybean Performance Tests.

Re: 2021 Entry Form for NDSU Carrington Research Extension Center directed evaluations.

 On behalf of the NDSU Carrington Research Extension Center (CREC), we would like to extend an invitation to your seed company or authorized representative to submit entries into our soybean performance tests for the 2021 season. The CREC conducts soybean performance tests on-site at the Carrington Center that includes our “Dryland” and “Irrigated” environments. Other CREC coordinated soybean performance tests include four off-station locations. These locations are based at our research sites east of Dazey in northern Barnes County, east of LaMoure in LaMoure County, west of Wishek at the Tri-County site, and at the CREC’s Oakes Irrigation Research Site in Dickey County.

 Two separate soybean performance tests will be conducted at all locations: a “Conventional” trial and a “Roundup Ready/Glyphosate” trial. The “Conventional” trial will include both Conventional (Conv) and Liberty Link (LL) varieties. An additional test option includes an organic trial for conventional soybean varieties managed on land certified as organic at the CREC. A map of North Dakota is included that identifies the location of the CREC research sites for your convenience.

 Each of the performance tests is typically established on ground that was planted to a small grain or corn the year before. Each trial is managed utilizing the localized best management practices. Sending treated seed as it is marketed is allowed as long as all products are registered in North Dakota. No additional seed treatments will be applied other than an inoculation of all plots with a granular inoculum at planting. A full range of data are collected including yield, test weight, seed weight, seed protein, oil content, heights, lodging, and crop maturation data. In 2021, varieties will again be screened for iron chlorosis by Dr. Carrie Miranda of the NDSU Plant Science Department.

 The research sites under our coordination will allow us to best represent potential soybean variety performance in Central, South-Central, East-Central, and Irrigated (high yield) North Dakota environments. Preliminary reports are e-mailed as early as possible after trial harvest to our cooperators and are also posted on the CREC website: http:www.ag.ndsu.edu/CarringtonREC. Research results from our trials are published in the Carrington Research Extension Center’s annual report and in State Extension Bulletin A-843. Data from experimental lines will not be published in Bulletin A-843 but will be included in all CREC-based publications.

 The soybean performance tests coordinated among the NDSU Research Extension Centers are conducted with a uniform fee that continues to be two hundred fifty dollars ($250 US) per variety, per test location in 2021. Attached is an entry form contract that must be completed indicating soybean variety entries and associated information for trials under CREC research leadership. Please provide the following information for each entry by filling in the text form fields and clicking on the drop boxes on the contract form.

**Brand** and **Cultivar** id. **Cultivar Status**: Commercially available (CA), Experimental line (Exp) **Maturity**.

**Cultivar Trait:** Conventional (Conv), Glyphosate (GT), Roundup Ready (RR), Roundup Ready 2 Yield (RR2Y), Roundup Ready 2 Yield Xtend-Dicamba (RR2X), Roundup Ready 2 Yield Xtendflex-LL-Dicamba (RR2XF), Liberty Link (LL), Liberty Link/GT/HPPD Inhibitors (LLGT27), Glyphosate, Glufosinate, 2-4-D Choline (E3), and Glyphosate/HPPD Inhibitors (GT27).

**Location:** Carrington Dryland, Carrington Irrigated, Barnes County, LaMoure County, Tri-County, Oakes Irrigated, Carrington Organic (separate form).

 The return of the completed contract form and payment must be received by April 5, 2021 for inclusion in these trials. Receipt of **2 pounds of seed per test site** must be received no later than April 16, 2021. Seed should be shipped to our Agronomy Laboratory at 671 Hwy. 281 NE, Carrington, ND 58421. An indication of seed count and germination percentage for each of the seedlots submitted for these tests would be appreciated. We will return a copy of the completed contract upon receipt of entry fees.

Respectfully,

 

Blaine G. Schatz Mike Ostlie, Ph.D.

Director/Agronomist Research Agronomist

Attachments

**2021 Carrington REC Soybean Cultivar Testing Locations**



**Soybean Cultivar Testing Contract**

**North Dakota State University**

**Agricultural Experiment Station**

**Soybean Cultivar Performance Testing Contract 2021** between the Agricultural Experiment Station *Carrington Research Extension Center* at PO Box 219, Carrington, ND 58421 and       at      . The Seed Supplier agrees to furnish **2 lbs. of seed per test location** for each of the following cultivars to be entered at each of the following locations.

## Identification of Cultivar

(See supplementary entry list on next page)

|  |  |  |  |  |  |
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|  |  |  |  |  | **---------- Location ----------** |
| **Brand** | **Cultivar** | **Cultivar Trait\*** | **Cultivar Status** | **Maturity Group** | **Carrington Dryland** | **Carrington Irrigated** | **Barnes County** | **LaMoure County** | **Oakes Irrigated** | **Tri-County** |
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\* Please indicate Conventional (Conv); Glyphosate (GT); Roundup Ready (RR); Roundup Ready 2 Yield (RR2Y); Roundup Ready 2 Yield Xtend-Dicamba (RR2X); Roundup Ready 2 Yield Xtendflex-LL-Dicamba (RR2XF); Liberty Link (LL); Liberty Link/GT/HPPD Inhibitors (LLGT27); Glyphosate, Glufosinate, 2-4-D Choline (E3); and Glyphosate/HPPD Inhibitors (GT27).

The Seed Supplier also agrees to pay a total amount of $     , based on a unit charge of $250.00 (US) per entry for each location, on or before April 5, 2021 for testing during the 2021 Crop Growing Season. Please make checks payable to the Carrington Research Extension Center in U.S. funds and return with this entry form.

The Experiment Station will plant, maintain and harvest all plantings in a manner consistent with accepted practices for a given crop. Observations to be made by investigator will include planting and harvesting dates, crop maturity, yields, climatic data and such other information that may be mutually agreed upon between investigator and supplier of seed. All data collected will be published in an appropriate North Dakota Agricultural Experiment Station and/or Extension publication on a timely basis. Data from these North Dakota Agricultural Experiment Station trials shall not be used in advertising to indicate North Dakota Agricultural Experiment Station recommendation of any specific cultivar or hybrids.

SEED SUPPLIER AGRICULTURAL EXPERIMENT STATION

Authorized Representative: Investigator:

E-mail:

(results will be e-mailed, please write legibly)

Date:      Date:

## Identification of Cultivar

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|  |  |  |  |  | **---------- Location ----------** |
| **Brand** | **Cultivar** | **Cultivar Trait\*** | **Cultivar Status** | **Maturity Group** | **Carrington Dryland** | **Carrington Irrigated** | **Barnes County** | **LaMoure County** | **Oakes Irrigated** | **Tri-County** |
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