**NDSU**

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## North Dakota State University

### Carrington Research Extension Center

#### North Dakota Agricultural Experiment Station

*663 Hwy. 281 North, P.O. Box 219*

*Carrington, ND 58421-0219*

February 12, 2021

To: Potential Cooperators in Sunflower Performance Tests

Re: 2021 Entry Form for Carrington Research Extension Center

 On behalf of the NDSU Carrington Research Extension Center, we would like to extend an invitation to your seed company to submit entries in our performance tests of sunflower hybrids for the 2021 season.

 During the 2021 growing season the Carrington REC will again conduct two different sunflower hybrid evaluations. These trials will be designated the “Oil Hybrid” and the “Non-Oil (Confectionary) Hybrid” performance tests. The oil hybrid trial will include all Nusun, High Oleic, and traditional oil type hybrids. We ask that you include notation on the entry forms of the specific type of oil for your hybrids so that appropriate oil content determinations may be made. We also would ask for other information related to your hybrids that you may wish to share that better describes the hybrid’s characteristics.

 Results from trials under our leadership 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-652. Experimental line data will not be published in Bulletin A-652 but will be included in all CREC-based publications.

 The Oil Hybrid and Non-Oil Hybrid performance tests will be established on ground that was planted to a cereal grain in 2020. Each trial is managed utilizing the best management practices appropriate for each sunflower type. The hybrids are planted using four (4) replicates with individual plots established as 2 rows wide by 30 feet in length. All plots are over-planted and then promptly hand thinned to the final desired stand and spacing.

 The sunflower performance tests coordinated among the NDSU Research Extension Centers are conducted with a uniform fee that will continue to be two hundred fifty dollars ($250 US) per hybrid per test location in 2021.

Attached is an entry form contract that must be completed indicating sunflower hybrid entries and hybrid information. 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** name and **Hybrid** designation.

**Hybrid Status**: Commercially available (CA), Experimental line (Exp)

**Performance Test:** Oil hybrid (Oil), Non-Oil/Confection hybrid (Non-oil)

**Oil Type**: Nusun (NS), High Oleic (HO), Mid Oleic (MO), Traditional (Trad)

**Conoil:** Yes or No

**Herbicide Trait:** Clearfield (CL), Clearfield Plus (CP), ExpressSun (EX), Conventional (Conv)

**Downy Mildew Resistant:** Yes or No

 Return of the completed contract form, **200 grams of seed**, and payment must be received no later than April 16, 2021 for inclusion in these trials. Seed should be shipped to our Agronomy Laboratory at 671 Hwy. 281 NE, Carrington, ND 58421. If seed supplies are limited, please contact me and I will discuss specific seed number requirements. We are looking forward to another successful growing season and year of evaluation in 2021.

 There will be no refunds in the event of a natural disaster such as flooding, hail or blizzard snow pack that renders plots unharvestable.

Respectfully,

 

Blaine G. Schatz Mike Ostlie

Director/Agronomist Research Agronomist

Attachment

# Sunflower Hybrid Testing Contract

**North Dakota State University**

**Agricultural Experiment Station**

**Sunflower Hybrid Performance Testing Contract No. 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 200 grams of seed for each of the following hybrids to be entered at each of the following locations.

## Identification of Hybrid

(Supplementary entry list may be attached)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Brand** | **Hybrid** | **Hybrid Status** | **Hybrid Test** | **Oil Type** | **Conoil** | **Herbicide Trait** | **Downy Mildew Resistant** |
|  |  | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. |
|  |  | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. |
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|  |  | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. |

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 16, 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: