**A652-25** (January 2026)

# North Dakota Sunflower

## *Variety Trial Results for 2025 and Selection Guide*

Ana Carcedo (North Dakota State University, Main Station); B. Hulke, B. Koehler, Z. Tarble (Sunflower Unit, U.S. Department of Agriculture-Agricultural Research Service, Fargo); Kristin Simons, Sam Richter (Carrington Research Extension Center); Leandro Bortolon, Alexius Holter, Austin Kraklau, Jayden Hansen (North Central Research Extension Center); Rutendo Nyamusamba, Lawrence Henry, Richard Duerr (Langdon Research Extension Center); John Rickertsen (Hettinger Research Extension Center); Pradhan, Gautam (Williston REC).

In 2025, North Dakota continued to lead the nation in sunflower production, with **approximately 538,372 acres planted** across the state; a substantial uptick in acreage compared with recent years and among the largest acreage totals in the U.S. sunflower belt. While this expansion reflected strong grower interest and favorable market signals into the season, several **key agronomic challenges** emerged. A delayed spring and uneven early planting conditions in parts of the Plains, including prevent-plant acreage reported in surrounding states, underscored the continued risk that cool, wet soils pose to sunflower stand establishment and uniform emergence. Additionally, growers have to navigate the lingering impacts of variable weather, including high winds and storm events that can cause lodging or harvest delay, as part of broader climatic volatility that affected many crops in North Dakota during 2025. Finally, although sunflower oil markets remain a driver of acreage, ongoing public discussion around seed-oil health claims adds an unusual layer of **market-related agronomic decision pressure** for producers as they balance production risk with end-use demand dynamics

### List of Tables



### About This Publication

Variety trial data from all North Dakota State University Research Extension Centers for all crops can be found at *www.ag.ndsu.edu/varietytrials* and the variety selection tool at *https://vt.ag.ndsu.edu/*.

The agronomic data presented in this publication are from replicated research plots using experimental designs that enable the use of statistical analysis. The least significant difference numbers beneath the columns in tables are derived from the statistical analyses. If the difference between two varieties exceeds the LSD value, it means that with

NDSU | EXTENSION NDSU | NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION

Fargo, North Dakota

90% probability (10% level), the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar.

The coefficient of variation (CV) is a measure of variability in the trial and is expressed as a percentage. Large CVs indicate substantial variation that cannot be attributed to differences among varieties. Only compare values within the table and look for trends for the desired trait among different experimental sites and years.

Sunflower harvest yields were adjusted to 10% moisture. Most of the tables have footnotes explaining information in the table under which they appear. Traits to consider when selecting a sunflower hybrid include yield potential in your area, oil content (for the oil types), test weight, reaction to problematic diseases and insects, maturity date, and the weed control system. When selecting a confection sunflower hybrid, the seed size is very important.

Among similar-yielding oilseed hybrids, select the one with the highest oil content. Oil content is intended to differentiate between hybrids at one location. LSD values should be used to determine differences between hybrids. The oilseed crushing market pays a premium for oilseed with more than 40% oil (at 10% moisture) and discounts for oilseed with less than 40% oil. Another factor to consider is the oil type. Hybrids are available with traditional (linoleic), midoleic (NuSun) and high-oleic oil compositions. Markets may pay a premium based on the composition of the oil produced by a particular hybrid.

Maturity is especially important if planting is delayed. Yield and oil content often are reduced when a hybrid is damaged by frost before it is fully mature. Often, with delayed planting, only an early hybrid will mature and exhibit its full yield potential. An early hybrid is likely to be drier at harvest than a later-maturing hybrid, thereby reducing drying costs.

The most economical and effective means of managing sunflower diseases and other pests is to plant resistant or tolerant hybrids and keep a minimum of four years of rotation between successive sunflower crops. Most commercial sunflower hybrids in the U.S. have resistance to downy mildew and rust. Some hybrids also may exhibit tolerance to Phomopsis stem canker or sunflower midge. Clearfield® and ExpressSun™ hybrids are resistant to Beyond Xtra® and Express® herbicides, respectively. Consult the seed company for information on how a particular hybrid reacts to diseases and other pests that may pose risks in your growing area.

When selecting a high-yielding and good-quality hybrid, use data that summarizes several years and locations. Choose the hybrid that, on average, performs the best at multiple locations near you over several years.

Research specialists and technicians contributed to the fieldwork and data compilation. Administrative assistants contributed to entering data into the respective sections of this document. We greatly appreciate the assistance provided by everyone involved.

**Table 1. Oil Type Sunflower** **Fargo, ND**

| Hybrid | Days to Flowering | Plant Height | Lodging Score | Oil Content | Test Weight | Yield |
|---|---|---|---|---|---|---|
| | DAP | inch | 1-9 | % | lb/bu | lb/ac |
| CP7919CL | 69 | 81 | 3.7 | 42 | 32 | 2738 |
| CP5249CL | 66 | 73 | 2.3 | 45 | 32 | 2624 |
| XH41H70 EX | 67 | 75 | 3.3 | 44 | 33 | 2607 |
| 559CL | 68 | 84 | 3.0 | - | 34 | 2602 |
| N4H470 CLP | 69 | 85 | 2.3 | 43 | 33 | 2428 |
| EXP 2624 E | 68 | 91 | 3.0 | 37 | 34 | 2333 |
| 8D310CL | 67 | 91 | 2.0 | 36 | 32 | 2273 |
| H49HO19 CL | 69 | 83 | 4.0 | 43 | 33 | 2268 |
| 2534 E | 68 | 83 | 4.0 | 42 | 35 | 2238 |
| XH41H90 EX | 69 | 81 | 4.0 | 41 | 34 | 2213 |
| 8D410CL | 67 | 87 | 3.3 | 38 | 33 | 2191 |
| 50068 CL | 67 | 81 | 1.7 | 40 | 34 | 2165 |
| CP455E | 67 | 81 | 5.0 | 40 | 33 | 2163 |
| CP4490E | 69 | 80 | 3.3 | 40 | 33 | 2122 |
| N4H462 E | 69 | 79 | 4.7 | 43 | 33 | 2096 |
| 8N270CLDM | 59 | 72 | 1.7 | - | 34 | 2080 |
| H47HO11 EX | 68 | 85 | 4.7 | 39 | 36 | 2025 |
| N4H422 CL | 67 | 84 | 4.7 | 41 | 35 | 2001 |
| N5MH493 CL | 69 | 84 | 4.0 | 31 | 31 | 1989 |
| 4425 CL | 67 | 87 | 3.0 | 38 | 33 | 1987 |
| N4H337 E | 67 | 76 | 6.0 | 41 | 35 | 1982 |
| H50HO20 CP | 69 | 84 | 3.0 | 43 | 33 | 1981 |
| XH41H56 CL | 55 | 62 | 1.7 | 39 | 34 | 1981 |
| EXP 2691 CP | 69 | 83 | 4.0 | 43 | 34 | 1971 |
| 2578 E | 67 | 75 | 4.3 | 44 | 32 | 1887 |
| XH41H54 CL | 67 | 87 | 5.0 | 40 | 36 | 1885 |
| Falcon | 68 | 77 | 4.0 | - | 35 | 1713 |
| CP4475E | 66 | 88 | 5.3 | 41 | 35 | 1711 |
| EXP 2625 E | 70 | 93 | 4.7 | 37 | 32 | 1710 |
| CP4255E | 67 | 83 | 5.3 | 40 | 35 | 1699 |
| N4H205 E | 68 | 79 | 5.7 | 42 | 33 | 1509 |
| H45HO10 EX | 67 | 76 | 5.3 | 41 | 32 | 1499 |
| Hybrid 894 | 66 | 82 | 4.7 | 41 | 34 | 1446 |
| CP4157E | 67 | 82 | 6.3 | 40 | 34 | 1421 |
| EXP 2609 E | 67 | 83 | 7.0 | 40 | 33 | 1375 |
| N4H490 E | 70 | 86 | 6.3 | 41 | 35 | 1306 |
| E-2446 E | 70 | 85 | 7.7 | 38 | 32 | 1021 |
| 4415 HO/DMR/Cl | 68 | 85 | 7.3 | 38 | 33 | 1017 |
| E-93 E | 68 | 86 | 7.7 | 40 | 33 | 789 |
| Trial Mean | 67 | 82 | 4.3 | 40 | 34 | 1924 |
| C.V. (%) | 4.0 | 7.1 | 38 | 6.4 | 3.7 | 23.7 |
| LSD (10%) | 1.1 | 13 | 2.5 | 1.3 | 1.0 | 813 |

*Confectionery trial in Fargo was unable to be harvested because of early season*

**DAP = Days after planting.*

Planting date: 6/5/2025

**Table 2. Sunflower - Fatty Acid Trial - Fargo - Authors, B. Hulke, B. Koehler, and Z.Tarble**

| Company | Hybrid | Type[1] | Palmitic | Stearic | Oleic | Linoleic |
|---|---|---|---|---|---|---|
| | | | ---------- % ± SEM ---------- | | | |
| CHS | 8D310CL | HO | 3.9 ± 0.1 | 2 ± 0.1 | 71 ± 2.8 | 23 ± 2.7 |
| CHS | 8D410CL | HO | 3.4 ± 0.1 | 3.2 ± 0.2 | 82 ± 1.7 | 12 ± 1.5 |
| Proseed | 2578 E | HO | 3.7 ± 0.1 | 1.7 ± 0.1 | 78 ± 2.9 | 16 ± 2.8 |
| Proseed | EXP 2609 E | HO | 3.5 ± 0.1 | 3.2 ± 0.1 | 91 ± 0.3 | 2.7 ± 0.2 |
| Proseed | EXP 2624 E | HO | 3.5 ± 0.1 | 3.9 ± 0.1 | 84 ± 2.7 | 8.4 ± 2.6 |
| Proseed | EXP 2625 E | HO | 3.8 ± 0.1 | 3.4 ± 0.1 | 85 ± 1.4 | 7.4 ± 1.3 |

[1] *HO = high oleic, NS = NuSun.*

**Table 3. Oil Type Sunflower** **Carrignton, ND**

**Yield data were excluded from this report due to high variability caused by adverse weather conditions; the full report is available on the CREC website.**

| Company | Hybrid | Oil Type | Trait [1] | DM Resist. | Days to Flower | Days to Maturity | Plant Height | Oil Content | Test Weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | DAP | DAP | inch | % | lb/bu |
| USDA | Hybrid 894 | | | | 65 | 114 | 70 | 38.9 | 33.7 |
| USDA | 559CL | | | | 71 | 120 | 82 | 39.6 | 34.3 |
| USDA | 8N270CLDM | | | | 65 | 117 | 73 | 37.4 | 33.7 |
| Winfield Un./Croplan | CP4255E | HO | EX | Yes | 68 | 131 | 71 | 36.6 | 33.2 |
| Winfield Un./Croplan | CP4475E | HO | EX | Yes | 68 | 124 | 77 | 37.5 | 32.2 |
| Winfield Un./Croplan | CP4490E | HO | EX | Yes | 73 | 126 | 75 | 36.3 | 30.4 |
| Winfield Un./Croplan | CP455E | HO | EX | Yes | 69 | 127 | 77 | 36.7 | 32.7 |
| Winfield Un./Croplan | CP5249CL | HO | CL | Yes | 67 | 119 | 69 | 43.3 | 31.3 |
| Winfield Un./Croplan | CP7919CL | HO | CL | - | 71 | 127 | 71 | 39.8 | 32 |
| Nuseed | N4H422 CL | HO | CL | Yes | 69 | 121 | 81 | 38.2 | 33.9 |
| Nuseed | N4H470 CLP | HO | CP | Yes | 71 | 124 | 79 | 40.5 | 33 |
| Nuseed | N4H490 E | HO | EX | Yes | 71 | 121 | 76 | 40.1 | 34.4 |
| Nuseed | N4H205 E | HO | EX | Yes | 70 | 115 | 72 | 41.3 | 31.6 |
| Nuseed | N5H493 CL | HO | CL | No | 71 | 119 | 77 | 28.5 | 29.3 |
| Nuseed | N4H337 E | HO | EX | Yes | 70 | 118 | 76 | 40.1 | 33.9 |
| Nuseed | N4H462 E | HO | EX | Yes | 72 | 121 | 77 | 40.7 | 32.8 |
| Thunder Seed | TSU1561H | HO | EX | Yes | 70 | 116 | 72 | 40.7 | 32.3 |
| Thunder Seed | TSU1582H | HO | EX | Yes | 71 | 124 | 79 | 39.6 | 33.9 |
| Thunder Seed | TSU1512H | HO | EX | No | 69 | 122 | 80 | 38.4 | 32.2 |
| Thunder Seed | TSU1592N | NS | EX | No | 71 | 123 | 76 | 38.4 | 35.4 |
| Thunder Seed | TCP1533H | HO | CP | Yes | 71 | 123 | 76 | 40.7 | 34 |
| Limagrain | LG50459 SX | HO | EX | Yes | 72 | 122 | 78 | 35 | 33.2 |
| Limagrain | LG50487 CLP | HO | CP | Yes | 67 | 119 | 75 | 37.7 | 32.3 |
| Limagrain | LG50540 CLP | HO | CP | Yes | 67 | 121 | 73 | 36.1 | 31.4 |
| Proseed | 50068CL | HO | CL | Yes | 69 | 124 | 78 | 38.1 | 34.1 |
| Proseed | E-93 E | HO | EX | - | 72 | 123 | 82 | 38.3 | 32.5 |
| Proseed | E-2446 E | HO | EX | - | 73 | 117 | 87 | 37 | 32.1 |
| Proseed | EXP2609 E | HO | EX | - | 69 | 116 | 83 | 38.1 | 32.4 |
| Proseed | EXP2624 E | HO | EX | - | 72 | 124 | 85 | 33.9 | 30.6 |
| Proseed | EXP2625 E | HO | EX | - | 73 | 126 | 88 | 34.1 | 29.3 |
| Proseed | 2578 E | HO | EX | Yes | 71 | 116 | 68 | 40.2 | 32.1 |
| Proseed | 2534 E | HO | EX | Yes | 72 | 123 | 78 | 40.2 | 34.3 |
| Proseed | EXP 2691 CP | HO | CP | Yes | 70 | 125 | 75 | 40.6 | 34.2 |
| Advanta Seeds | ADV 5205CLHO | HO | CL | Yes | 74 | 125 | 84 | 37.4 | 33.1 |
| Nutrien/Dyna-Gro | XH41H56 CL | HO | CL | Yes | 63 | 118 | 56 | 35.6 | 30.7 |
| Nutrien/Dyna-Gro | H49HO19 CL | HO | CL | Yes | 73 | 122 | 78 | 39.2 | 32.8 |
| Nutrien/Dyna-Gro | H50HO20 CP | HO | CP | Yes | 71 | 123 | 78 | 40.6 | 34.6 |
| Nutrien/Dyna-Gro | H45HO10 EX | HO | EX | No | 70 | 121 | 79 | 38.8 | 31.1 |
| Nutrien/Dyna-Gro | H47HO11 EX | HO | EX | Yes | 70 | 131 | 83 | 37 | 34.9 |
| Nutrien/Dyna-Gro | XH41H90 EX | HO | EX | Yes | 71 | 122 | 79 | 40.1 | 33.4 |
| Nutrien/Dyna-Gro | XH41H54 CL | HO | CL | Yes | 68 | 121 | 79 | 39.3 | 34.7 |
| Sunrich Products | 4425CL | MO | CL | No | 67 | 121 | 76 | 34.1 | 31.8 |
| Sunrich Products | 4415HO/DMR/CLP | HO | CP | Yes | 70 | 120 | 77 | 36.9 | 33 |
| Advanta Seeds | ADV 5310CL | Trad. | CL | Yes | 73 | 122 | 77 | 42.3 | 32.9 |
| Advanta Seeds | ADV 5407CL | Trad. | CL | Yes | 73 | 117 | 77 | 43.8 | 31.3 |
| Advanta Seeds | Hysun 182IT | Trad. | CL | Yes | 69 | 118 | 77 | 36.4 | 33.6 |
| Advanta Seeds | Hysun 302IT | Trad. | CL | Yes | 72 | 120 | 80 | 36.7 | 33.7 |
| Advanta Seeds | ADV 5420CL | Trad. | CL | Yes | 74 | 126 | 75 | 43.4 | 32.3 |
| Trial Mean | | | | | 70 | 122 | 77 | 38.4 | 32.8 |
| C.V. (%) | | | | | 2 | 2 | 6 | 2.3 | 3 |
| LSD (10%) | | | | | 2 | 3 | 5 | 1 | 1.2 |

*Planting Date = June 6; Harvest Date = November 6 and 12; Previous Crop = Durum*

*Storms with strong winds were prevalent during dry-down and resulted in uneven lodging significantly affecting yield.*

**DAP = Days after planting.*

[1] *Type: TR-Traditonal, NS-NuSun, MO-Mid Oleic, HO-High Oleic, CL=Clearfield, CP=Clearfield Plus, EX=ExpressSun.*

**Table 4. Oil Type Sunflower** **Minot, ND**

| Company | Variety | Days to Flowering | Days to Mature | Plant Height | Test Weight | Oil Content | Yield | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2023 | 2024 | 2025 | 2-yr avg | 3-y avg |
| | | DAP | DAP | inch | lb/bu | % | lb/ac | | | | |
| Croplan | CP4255E | 69 | 134 | 62 | 30.9 | 35.7 | 2407 | 2162 | 2515 | 2339 | 2361 |
| Croplan | CP4475E | 67 | 131 | 67 | 30.3 | 37.6 | 3260 | 2875 | 2961 | 2918 | 3032 |
| Croplan | CP4490E | 72 | 133 | 69 | 29.4 | 36.3 | -- | -- | 2351 | -- | -- |
| Croplan | CP455E | 68 | 129 | 64 | 30.4 | 36.3 | 3223 | 2539 | 3207 | 2873 | 2990 |
| Croplan | CP5249CL | 66 | 131 | 59 | 27.8 | 37.2 | 2909 | 3035 | 2446 | 2740 | 2797 |
| Croplan | CP7919CL | 72 | 134 | 60 | 28.8 | 38.8 | 3497 | 4118 | 3224 | 3671 | 3613 |
| Nuseed | N4H205 E | 70 | 126 | 66 | 28.4 | 39.2 | -- | -- | 2752 | -- | -- |
| Nuseed | N4H422 CL | 70 | 133 | 66 | 29.4 | 36.7 | -- | 2309 | 2565 | 2437 | -- |
| Nuseed | N4H470 CLP | 68 | 132 | 67 | 31.2 | 37.6 | -- | 3006 | 2371 | 2689 | -- |
| Nuseed | N4H490 E | 71 | 129 | 69 | 30.8 | 38.2 | -- | 2730 | 2512 | 2621 | |
| Proseed | 2534 E | 72 | 131 | 65 | 31.8 | 38 | -- | -- | 2897 | -- | -- |
| Proseed | 2578 E | 69 | 128 | 57 | 30.3 | 37.4 | -- | -- | 2602 | -- | -- |
| Proseed | 50068 CL | 69 | 132 | 67 | 29.7 | 36.7 | 2868 | 3377 | 2897 | 3137 | 3047 |
| Proseed | E-2446 E | 72 | 132 | 65 | 31.2 | 36.6 | -- | 1475 | 3087 | 1475 | |
| Proseed | E-93 E | 72 | 132 | 75 | 29.2 | 36.1 | -- | -- | 2694 | -- | -- |
| Sunrich Products | 4415HO/DMR/CLP | 70 | 129 | 63 | 29.4 | 35.3 | 2717 | 3547 | 2964 | 3256 | 3076.0 |
| Sunrich Products | 4425CL | 69 | 133 | 70 | 26.7 | 31.7 | 3684 | 3025 | 3003 | 3014 | 3237.0 |
| Thunder Seed | TCP1533H | 72 | 132 | 63 | 30.5 | 41.2 | -- | -- | 2920 | -- | -- |
| Thunder Seed | TSU1512H | 68 | 131 | 62 | 27.2 | 37.6 | | | 2901 | | |
| Thunder Seed | TSU1561H | 72 | 126 | 64 | 28.2 | 39.8 | -- | -- | 2582 | -- | -- |
| Thunder Seed | TSU1582H | 74 | 131 | 63 | 30.5 | 39.2 | -- | -- | 3061 | -- | -- |
| Thunder Seed | TSU1592N | 70 | 131 | 61 | 31.1 | 36.5 | -- | -- | 2597 | -- | -- |
| Long Term Check | Hybrid 894 | 68 | 130 | 60 | 31 | 34 | 1747 | 2345 | 2045 | 2195 | 2046 |
| Early Maturity Check | Honeycomb | 70 | 131 | 65 | 30.3 | 37.8 | 1594 | 1571 | 2492 | 2032 | 1886.0 |
| Med Maturity Check | 8N270CLDM | 61 | 130 | 61 | 30.9 | 36.2 | 2441 | 2886 | 1648 | 2267 | 2325 |
| Late Maturity Check | CP559CL | 67 | 131 | 70 | 32.1 | 38.7 | 2510 | 3614 | 2873 | 3244 | 2999 |
| Trial Mean | -- | 70 | 131 | 65 | 29.8 | 37.0 | 2548 | 2564 | 2704 | -- | -- |
| C.V. (%) | -- | 3.2 | 1.3 | 6.5 | 5.7 | 4.5 | 7.6 | 12.9 | 11.9 | -- | -- |
| LSD (10%) | -- | 3 | 2 | 6 | 2.3 | 2.3 | 272 | 450 | 440 | -- | -- |

**DAP = Days after planting.*

*Planting date: June 4, 2025*

*Harvest date: November 4, 2025*

*Seeding rate: 21,000 live seeds/acre*

*Previous crop: wheat*

*Tillage system: no-till*

*Soil type: Williams loam*

*Row spacing: 30"*

**Table 5. Non-Oil Type Sunflower** **Minot, ND**

| Company | Variety | Days to Flowering | Days to Mature | Plant Height | Test Weight | Yield 2023 | Yield 2024 | Yield 2025 | 2-yr avg | 3-y avg |
|---|---|---|---|---|---|---|---|---|---|---|
| | | DAP | DAP | inch | lb/bu | lb/a | lb/a | lb/a | | |
| Royal Hybrid | RH1121 | 66 | 132 | 64 | 26.3 | -- | 4232 | 4081 | 4157 | -- |
| Royal Hybrid | RH609CLP | 69 | 131 | 67 | 20.9 | -- | 3190 | 3068 | 3129 | -- |
| Royal Hybrid | RRC2319 | 70 | 133 | 78 | 21.5 | -- | 2962 | 3354 | 3158 | -- |
| Royal Hybrid | RRC2414 | 71 | 135 | 67 | 23.3 | -- | 3436 | 3751 | 3594 | -- |
| USDA | Hybrid 924 | 70 | 131 | 72 | 22.2 | 1487 | 2129 | 2440 | 2285 | 2019 |
| Trial Mean | -- | 79 | 141 | 55 | 28.7 | 2155 | 2548 | 2564 | -- | -- |
| C.V. (%) | -- | 3.2 | 1.9 | 9.3 | 8.8 | 12.6 | 7.6 | 12.9 | -- | -- |
| LSD (10%) | -- | 3 | 3 | 7 | 3.4 | 369 | 272 | 450 | -- | -- |

**DAP = Days after planting.*

*Planting date: June 4, 2025*
*Harvest date: November 4, 2025*
*Seeding rate: 21,000 live seeds/acre*
*Previous crop: wheat*
*Tillage system: no-till*
*Soil type: Williams loam*
*Row spacing: 30"*

**Table 6. Oil Type Sunflower** **Hettinger, ND**

| Company | Hybrid | Oil Type & Traits[1] | Days to Flowering | Plant Height | Test Weight | Oil Content | Grain Yield 2025 | Grain Yield 2-Year | Grain Yield 3-Year |
|---|---|---|---|---|---|---|---|---|---|
| | | | DAP | inch | lb/bu | % | --------lb/ac-------- | | |
| Advanta | ADV 5205CLHO | Trad. CL | 76 | 78 | 29.3 | 38.9 | 1783 | -- | -- |
| Advanta | ADV 5310CL | Trad. CL | 75 | 68 | 30.2 | 38.8 | 1785 | -- | -- |
| Advanta | ADV 5407CL | HO CL | 75 | 69 | 27.0 | 41.3 | 1852 | -- | -- |
| Advanta | ADV 5420CL | Trad. CL | 76 | 74 | 30.5 | 39.1 | 2175 | -- | -- |
| Advanta | Hysun 182IT | Trad. CL | 74 | 64 | 28.7 | 38.1 | 2076 | -- | -- |
| Advanta | Hysun 302IT | Trad. CL | 76 | 75 | 31.5 | 36.7 | 2676 | -- | -- |
| Croplan | CP4255E | HO EX | 70 | 62 | 32.2 | 38.8 | 2413 | 1961 | -- |
| Croplan | CP4490E | HO CP | 75 | 71 | 29.6 | 38.5 | 2189 | -- | -- |
| Croplan | CP455E | HO CP | 71 | 64 | 28.8 | 38.6 | 2254 | 1873 | 2307 |
| Croplan | CP5249CL | HO CL | 70 | 65 | 30.9 | 41.3 | 2063 | 1788 | -- |
| Croplan | CP7919CL | HO CP | 74 | 66 | 30.3 | 38.9 | 2842 | -- | -- |
| Dyna-Gro | H45HO10EX | HO EX | 71 | 66 | 29.7 | 38.6 | 1873 | 1651 | 1913 |
| Dyna-Gro | H47HO11EX | HO EX | 70 | 69 | 29.5 | 37.7 | 2105 | 1821 | 2129 |
| Dyna-Gro | H49HO19CL | HO EX | 75 | 72 | 29.5 | 39.0 | 1969 | 1805 | 2223 |
| Dyna-Gro | H50HO20CP | HO EX | 72 | 70 | 30.3 | 40.3 | 1958 | 1708 | -- |
| Dyna-Gro | XH41H54CL | HO CL | 72 | 74 | 29.9 | 38.4 | 1713 | -- | -- |
| Dyna-Gro | XH41H56CL | HO EX | 61 | 49 | 30.1 | 37.6 | 1346 | 1437 | -- |
| Dyna-Gro | XH41H90EX | HO EX | 74 | 71 | 28.2 | 38.1 | 2140 | 1725 | -- |
| Limagrain | LG50459 SX | HO EX | 72 | 72 | 31.1 | 37.5 | 2063 | -- | -- |
| Limagrain | LG50487 CLP | HO EX | 71 | 72 | 30.5 | 38.6 | 2209 | -- | -- |
| Limagrain | LG50540 CLP | HO EX | 69 | 58 | 29.1 | 37.7 | 2024 | -- | -- |
| Nuseed | N4H205 E | HO CP | 71 | 67 | 29.0 | 39.6 | 1965 | 1667 | -- |
| Nuseed | N4H337 E | MO CL | 72 | 70 | 31.3 | 39.2 | 2292 | 1849 | -- |
| Nuseed | N4H422 CL | HO CP | 73 | 72 | 30.7 | 38.7 | 2266 | 2030 | 2253 |
| Nuseed | N4H462 E | HO EX | 72 | 72 | 30.5 | 41.1 | 2552 | 2012 | -- |
| Nuseed | N4H470 CLP | HO EX | 73 | 72 | 30.9 | 41.3 | 2027 | 1770 | 2183 |
| Nuseed | N4H490 E | HO EX | 74 | 70 | 30.4 | 38.8 | 1990 | 1655 | -- |
| Proseed | 2534 E | NS EX | 73 | 71 | 30.5 | 38.3 | 2048 | 1775 | -- |
| Proseed | 2578 E | HO CP | 71 | 70 | 30.3 | 40.1 | 1936 | -- | -- |
| Proseed | 50068 CL | HO EX | 73 | 73 | 31.1 | 38.5 | 1861 | 1672 | -- |
| Proseed | E-2446 E | HO EX | 73 | 66 | 31.0 | 37.7 | 2327 | 1824 | -- |
| Proseed | E-93 E | HO EX | 73 | 74 | 30.6 | 38.4 | 1726 | -- | -- |
| Proseed | EXP2609 E | HO CL | 70 | 68 | 29.9 | 38.7 | 1997 | -- | -- |
| Proseed | EXP2691 CP | HO CL | 72 | 73 | 30.4 | 40.6 | 1841 | -- | -- |
| Sunrich | 4415 HO/CLP | HO CL | 70 | 71 | 31.4 | 37.9 | 2302 | -- | -- |
| Sunrich | 4425 CL | HO CL | 72 | 73 | 29.6 | 36.4 | 2187 | 1886 | 2194 |
| Thunder | TCP1533H | HO CP | 73 | 74 | 29.6 | 41.2 | 1834 | -- | -- |
| Thunder | TSU1512H | HO EX | 70 | 68 | 26.8 | 39.5 | 1718 | -- | -- |
| Thunder | TSU1561H | HO EX | 71 | 64 | 29.6 | 40.5 | 1971 | -- | -- |
| Thunder | TSU1582H | HO EX | 73 | 75 | 31.1 | 39.5 | 2104 | -- | -- |
| Thunder | TSU1592N | HO CL | 74 | 62 | 30.5 | 37.3 | 1932 | -- | -- |
| USDA (Check) | 894 | TR | 69 | 66 | 29.1 | 37.3 | 1619 | 1488 | 1738 |
| CROPLAN (Check) | 559CL | NS CL | 73 | 76 | 30.3 | 39.2 | 2538 | 2038 | 2449 |
| AAFC/USDA (Check) | Honeycomb | NS | 67 | 60 | 30.0 | 39.8 | 1666 | 1396 | 1412 |
| Trial Mean | | | 72 | 69 | 30.0 | 38.9 | 2050 | 1785 | 2172 |
| C.V. (%) | | | 1.6 | 5.5 | 3.4 | 3.0 | 9.9 | -- | -- |
| LSD (10%) | | | 1.1 | 3.5 | 0.9 | 1.1 | 185 | -- | -- |

[1] *Type: TR-Traditonal, NS-NuSun, MO-Mid Oleic, HO-High Oleic, CL=Clearfield, CP=Clearfield Plus, EX=ExpressSu*

*Planting Date: June 4* *Harvest Date: November 6* *Previous Crop: Corn*



350-1-26