**A-1124** (Revised)

# 2007 Canola Variety Trials

**Compiled by:**

**Hans Kandel**
Extension Agronomist
Department of Plant Sciences

NDSU

**N.D. Agricultural Experiment Station**
**NDSU Extension Service**

North Dakota State University, Fargo, North Dakota 58105

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**Introduction update**

Canola is an expanding crop in the northern Great Plains and in North Dakota. In 2007, North Dakota accounted for approximately 91 percent of the canola acreage planted in the United States. This report summarizes canola variety performance at the various North Dakota State University Research Extension Centers in North Dakota. Give special attention to yield results of those trials nearest to your production area when evaluating varieties or hybrids in these trials. Also, attempt to view yield averages of several years rather than using only one year's data as a determining factor. In addition, also review other agronomic characteristics, such as maturity, lodging score and oil percentages, if available.

We wish to thank the following NDSU Research Extension Center agronomists for their time, labor and efforts in providing the data from the 2007 canola trials:


| | |
|---|---|
| Bryan Hanson | Langdon Research Extension Center,<br>North Dakota State University, Langdon, ND 58249 |
| Blaine Schatz and Steve Zwinger | Carrington Research Extension Center,<br>North Dakota State University, Carrington, ND 58421 |
| Mark Halvorson | North Central Research Extension Center,<br>North Dakota State University, Minot, ND 58701 |
| Neil Riveland | Williston Research Extension Center,<br>North Dakota State University, Williston, ND 58801 |
| Eric Eriksmoen | Hettinger Research Extension Center,<br>North Dakota State University, Hettinger, ND 58639 |
| Marcelo Melani | North Dakota State University, Fargo, ND 58105 |


**Canola Production, North Dakota 1995-2007.**

| Year | Acres Planted | Acres Harvested | Yield Per Acre | Production |
|---|---|---|---|---|
| | ----------(1,000 Acres)---------- | | (lb) | (1,000 lb) |
| 1995 | 215 | 211 | 1,220 | 257,420 |
| 1996 | 220 | 217 | 1,380 | 299,460 |
| 1997 | 460 | 430 | 1,180 | 507,400 |
| 1998 | 800 | 775 | 1,480 | 1,147.000 |
| 1999 | 855 | 835 | 1,300 | 1,085,500 |
| 2000 | 1,270 | 1,250 | 1,320 | 1,650,000 |
| 2001 | 1,300 | 1,285 | 1,400 | 1,799,000 |
| 2002 | 1,300 | 1,160 | 1,210 | 1,403,600 |
| 2003 | 970 | 960 | 1,410 | 1,353,600 |
| 2004 | 780 | 750 | 1,630 | 1,222,500 |
| 2005 | 1,040 | 1,015 | 1,440 | 1,461,600 |
| 2006 | 940 | 935 | 1,370 | 1,280,950 |
| 2007 | 1,080 | 1,050 | 1,310 | 1,375,500 |

Source: North Dakota Agricultural Statistics Service – USDA

## 2007 Growing Season Update

Canola fieldwork began at the end of April. Planting was done fairly quickly during late April and early May. By mid-May, rainfall was recorded across North Dakota. By early June, many areas received more than 5 inches of rain. The early canola stands varied across the region, but the excess moisture stressed the plants and reduced stands in lower areas of the fields. Some of the applied fertilizer may have leached due to water movement through the soil profile and the saturated soil conditions. At the beginning of July, the canola looked healthy and plants started to bloom. In early July, the North Dakota Agricultural Statistics Service reported the canola crop condition mostly "good to excellent."

Dry conditions were experienced in July and August. The hot and dry conditions during the bloom and grain fill period, with occasional temperatures above 100 degrees Fahrenheit, reduced canola yield potential. Hot and dry conditions in August pushed the crop along quickly to maturity. Due to the quick dry-down of the crop, a number of growers straight combined the canola instead of swathing. Overall, the summer was the 25th warmest on record. The projected average North Dakota canola yield is 1,310 pounds per acre, which is slightly lower than the last 10-year average of 1,374 pounds per acre. However, southwestern North Dakota planted the crop early and escaped the hot conditions during flowering, resulting in higher yields than the state average.

**April-September 2007 average temperature and precipitation rankings for select North Dakota locations.**

| City | Temperature Ranking | Precipitation Ranking |
|---|---|---|
| Bowman | 11th Warmest | 19th Wettest |
| Bismarck | 10th Warmest | 7th Wettest |
| Fargo | 6th Warmest | 14th Wettest |
| Minot Exp. Station | 13th Warmest | 15th Wettest |
| Pembina | 22nd Warmest | 7th Wettest |
| Williston Exp. Station | 5th Warmest | 25th Driest |
| North Dakota Average | **25th Warmest (113 years)** | **31st Wettest (114 years)** |

Source: Adnan Akyuz, NDSU, North Dakota state climatologist.

**About this publication**

Information about canola variety performance also can be accessed on the Web at *www.ag.ndsu.edu/variety/canola.htm*. Whenever possible, research plot data was analyzed using statistical methods. The LSD (Least Significant Difference) numbers beneath the columns should be used only for the column in which they appear. If the difference between two varieties exceeds the LSD value, we can state that we are 95 percent sure (LSD probability 0.05) that the higher-yielding variety has a significant yield advantage. If the difference is less than the LSD value, the variety difference is mostly due to environmental factors. An "NS" notation in the column indicates no significant difference for that trait. The CV percentage is a measure of variability in the trial. The CV stands for coefficient of variation, which is the unit standard deviation expressed as a percentage of the general mean. Oil and harvest yield were adjusted to 8.5 percent moisture. Variety trial data from all NDSU Research Extension Centers for all crops can be found at www.ag.ndsu.edu/variety/index.htm.

**Canola - Roundup Ready Cultivars – 2007 - Carrington.**

| Company/Brand | Cultivar | Type[1] | Days to Flower | Flower Duration | Days to PM[2] | Plant Lodge[3] | Plant Height | Seed Weight | Test Weight | Oil Content | Seed Yield 2007 | Seed Yield 3-yr. Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ----------(days)---------- | | | (0-9) | (inch) | (g/1000) | (lb/bu) | (%) | --- (lb/ac)--- | |
| Proseed | 50 Caliber | H | 48.0 | 21.0 | 87.0 | 1.8 | 42.3 | 3.03 | 50.1 | 38.8 | 1761 | -- |
| Proseed | 2066 | H | 50.3 | 19.5 | 86.8 | 2.5 | 43.7 | 3.55 | 49.2 | 37.7 | 1796 | -- |
| Proseed | 30 Caliber | Syn | 52.5 | 18.5 | 88.0 | 2.5 | 43.3 | 2.88 | 50.6 | 38.0 | 1877 | -- |
| Pioneer Hi-Bred | 45H26 | H | 48.8 | 18.3 | 84.8 | 2.5 | 41.7 | 2.74 | 50.9 | 38.4 | 2270 | -- |
| Pioneer Hi-Bred | 45H21 | H | 49.0 | 18.5 | 85.8 | 2.5 | 42.9 | 3.11 | 50.6 | 38.5 | 2276 | 1972 |
| Cargill | V1035 (03H631) | H | 49.0 | 17.3 | 86.5 | 1.8 | 44.3 | 3.11 | 49.9 | 40.4 | 2310 | -- |
| Cargill | V2010 (03H252) | H | 51.0 | 17.8 | 88.0 | 2.0 | 45.9 | 3.40 | 49.6 | 38.5 | 2170 | 1858 |
| Cargill | V2018 | H | 53.5 | 16.3 | 89.5 | 1.0 | 50.6 | 3.29 | 49.3 | 39.5 | 1757 | -- |
| Cargill | 04H730 | H | 49.8 | 19.3 | 86.8 | 1.3 | 48.8 | 2.95 | 50.1 | 38.9 | 2101 | -- |
| Interstate Seed | IS3057 RR | H | 45.8 | 21.0 | 83.8 | 1.5 | 40.2 | 2.79 | 49.5 | 40.6 | 1723 | -- |
| Interstate Seed | IS7145 RR | H | 49.8 | 18.5 | 86.8 | 3.3 | 44.9 | 2.71 | 50.3 | 40.4 | 2357 | 2032 |
| Monsanto | MB52140 | H | 48.8 | 19.0 | 87.5 | 2.5 | 44.7 | 3.15 | 50.1 | 39.7 | 2513 | -- |
| Monsanto | MB52142 | H | 47.5 | 20.0 | 85.8 | 1.8 | 39.4 | 3.48 | 50.5 | 39.0 | 2246 | -- |
| Monsanto | MB52155 | H | 48.8 | 19.0 | 86.8 | 2.3 | 45.5 | 3.19 | 49.5 | 38.6 | 2183 | -- |
| Monsanto | Z5395 | H | 48.3 | 19.8 | 84.8 | 4.3 | 40.4 | 2.38 | 48.7 | 39.7 | 1881 | -- |
| Dekalb | DKL52-41 | H | 49.8 | 19.5 | 87.8 | 2.0 | 44.5 | 3.11 | 49.2 | 38.8 | 2043 | -- |
| Dekalb | DKL52-10 | H | 50.0 | 20.3 | 87.5 | 1.0 | 47.6 | 3.08 | 50.9 | 36.3 | 1806 | 1795 |
| Dekalb | DKL38-25 | H | 50.0 | 18.5 | 87.0 | 1.3 | 46.3 | 3.49 | 49.7 | 38.8 | 1935 | 1773 |
| Interstate Seed | 357 Magnum | H | 45.8 | 21.5 | 87.8 | 2.3 | 38.0 | 3.13 | 49.0 | 37.5 | 2315 | 1961 |
| Croplan Genetics | HyClass 410 | Syn | 51.8 | 17.8 | 88.0 | 1.5 | 49.6 | 2.81 | 50.3 | 38.1 | 2041 | -- |
| Croplan Genetics | HyClass 712 | Syn | 54.5 | 15.8 | 89.8 | 1.3 | 47.8 | 2.78 | 49.6 | 39.2 | 1821 | 1720 |
| Croplan Genetics | HyClass 906 | H | 52.0 | 18.0 | 87.0 | 1.3 | 45.1 | 2.99 | 49.1 | 38.2 | 1856 | -- |
| Croplan Genetics | HyClass 924 | H | 48.0 | 23.3 | 87.0 | 1.0 | 44.5 | 2.98 | 50.3 | 38.3 | 1928 | -- |
| Brett Young | 4414RR | H | 48.5 | 21.0 | 87.3 | 2.0 | 44.3 | 2.90 | 49.9 | 39.3 | 1572 | -- |
| Brett Young | 4362RR | H | 49.3 | 19.5 | 85.3 | 4.3 | 44.1 | 3.20 | 50.3 | 35.9 | 1654 | -- |
| Brett Young | 997RR | Op | 50.0 | 21.3 | 85.5 | 3.0 | 45.5 | 2.76 | 50.7 | 38.9 | 1864 | -- |
| Agriprogress/Lembke | AP30412-B6 | H | 49.0 | 19.3 | 87.5 | 2.0 | 41.7 | 2.90 | 49.8 | 39.3 | 2321 | -- |
| Agriprogress/Lembke | AP30416-B6 | H | 49.3 | 20.3 | 87.3 | 2.0 | 44.8 | 2.69 | 50.4 | 38.7 | 2093 | -- |
| Agriprogress/Lembke | AP30503-B6 | H | 49.0 | 20.0 | 87.5 | 2.0 | 46.1 | 2.75 | 49.5 | 38.4 | 2419 | -- |
| Agriprogress/Lembke | AP30507-B6 | H | 50.5 | 18.5 | 86.8 | 1.8 | 46.5 | 3.36 | 49.6 | 38.4 | 2262 | -- |
| Agriprogress/Lembke | AP30609-B6 | Syn | 46.8 | 21.5 | 86.8 | 2.8 | 43.5 | 3.36 | 49.0 | 40.1 | 2055 | -- |
| Agriprogress/Lembke | AP30611-B6 | Syn | 47.8 | 19.3 | 85.0 | 2.8 | 41.1 | 3.10 | 48.5 | 39.8 | 1943 | -- |
| Agriprogress/Lembke | AP30310-A5 | H | 51.5 | 19.5 | 89.3 | 1.5 | 49.0 | 2.96 | 49.8 | 38.6 | 1856 | -- |
| Agriprogress/Lembke | AP30516-A5 | Syn | 50.3 | 19.5 | 86.5 | 1.8 | 45.5 | 2.94 | 50.5 | 37.0 | 1927 | -- |
| Meridian Seeds | 1818 | Op | 50.0 | 19.5 | 86.8 | 2.0 | 33.5 | 3.01 | 49.4 | 39.8 | 1004 | -- |
| Meridian Seeds | 17595 | Syn | 47.5 | 21.5 | 87.3 | 1.5 | 41.5 | 3.60 | 50.4 | 37.9 | 2026 | -- |
| Meridian Seeds | 1852H | H | 50.0 | 20.5 | 86.3 | 2.8 | 45.9 | 3.26 | 52.0 | 36.6 | 1940 | -- |
| Meridian Seeds | 17685 | Syn | 51.5 | 17.8 | 87.3 | 2.0 | 45.3 | 3.22 | 50.3 | 38.3 | 2018 | -- |
| Meridian Seeds | SW H5263RR | Op | 54.0 | 18.3 | 88.3 | 2.3 | 43.9 | 2.88 | 51.0 | 41.0 | 1759 | -- |
| Integra Seed | Int 3789R | H | 47.8 | 21.5 | 85.8 | 2.3 | 45.1 | 3.10 | 50.4 | 38.2 | 1650 | -- |
| Integra Seed | RangerR | Syn | 47.3 | 23.3 | 87.0 | 2.8 | 44.7 | 2.95 | 49.6 | 37.7 | 1730 | 1514 |
| Trial Mean | | | 49.3 | 19.6 | 86.9 | 2.1 | 43.9 | 3.06 | 49.9 | 38.6 | 1993 | -- |
| C.V. % | | | 1.2 | 6.1 | 1.6 | 33.6 | 6.8 | 4.4 | 0.8 | 2.3 | 10.1 | -- |
| LSD 0.05 | | | 0.8 | 1.7 | 2.0 | 1.0 | 4.1 | 0.19 | 0.5 | 1.2 | 279 | -- |

Planting Date = April 27; Harvest Date = Aug. 16; Previous Crop = Soybean.
[1]Type H = Hybrid, Syn = Synthetic, Op = Open Pollinated.
[2]PM = Physiological Maturity.
[3]0 = No lodging, 9 = Plants flat on the ground.

**Canola - Conventional, Liberty Link and Clearfield Cultivars - 2007 - Carrington.**

| Company/Brand | Cultivar | Type[1] | Seed[2] Traits | Days to Flower | Flower Duration | Days to PM[3] | Plant[4] Lodge | Plant Height | Seed Weight | Test Weight | Oil Content | Seed Yield 2007 | Seed Yield 3-yr. Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ----------(days)---------- | | | (0-9) | (inch) | (g/1000) | (lb/bu) | (%) | ----(lb/ac)---- | |
| Dow AgroSciences | Nexera 828 CL | Op | CL, HO | 55.5 | 13.3 | 91.0 | 0.0 | 43.9 | 3.29 | 51.6 | 36.2 | 869 | 1161 |
| Dow AgroSciences | Nexera 830 CL | Op | CL, HO | 54.5 | 13.8 | 90.0 | 0.0 | 40.2 | 3.53 | 52.0 | 37.5 | 1285 | -- |
| Dow AgroSciences | CNX 06 | Op | CL, HO | 52.0 | 14.5 | 86.8 | 3.3 | 39.6 | 3.31 | 50.8 | 38.4 | 1128 | -- |
| Dow AgroSciences | CNX 11 | Op | CL, HO | 52.5 | 15.0 | 90.5 | 1.3 | 40.4 | 4.08 | 51.0 | 39.5 | 1233 | -- |
| Dow AgroSciences | Nexera 845CL | Op | CL, HO | 50.5 | 16.0 | 89.3 | 1.0 | 39.0 | 3.66 | 50.1 | 38.0 | 1741 | -- |
| Pioneer Hi-Bred | 45H73 | H | CL | 49.0 | 18.3 | 88.0 | 1.3 | 40.6 | 2.91 | 51.1 | 38.6 | 1465 | -- |
| Croplan Genetics | Freedom 84501LL | Syn | LL | 50.3 | 17.8 | 88.8 | 1.5 | 43.3 | 3.40 | 50.9 | 38.0 | 1226 | -- |
| Agriprogress/Lembke | AP30120-B6 | H | CL | 53.5 | 14.8 | 90.0 | 2.8 | 44.3 | 2.91 | 50.9 | 37.4 | 1395 | -- |
| Agriprogress/Lembke | AP30812-A5 | H | CL | 52.0 | 16.3 | 89.3 | 0.5 | 40.7 | 3.03 | 50.6 | 38.0 | 1440 | -- |
| Meridian Seeds | 1671H | H | CL | 52.0 | 16.0 | 89.3 | 1.0 | 37.4 | 2.96 | 50.8 | 38.4 | 1277 | -- |
| Cibus Genetics | Roper | Op | | 54.3 | 14.3 | 92.0 | 0.0 | 39.3 | 3.35 | 51.9 | 38.4 | 778 | -- |
| Bayer CropScience | InVigor 5550 | H | LL | 52.0 | 16.0 | 88.3 | 0.0 | 44.9 | 2.89 | 52.0 | 38.3 | 1522 | 1824 |
| Bayer CropScience | InVigor 5630 | H | LL | 50.0 | 17.3 | 87.0 | 0.0 | 43.9 | 3.11 | 50.8 | 38.6 | 1541 | 1708 |
| Bayer CropScience | InVigor 5440 | H | LL | 53.5 | 14.8 | 89.5 | 0.0 | 49.3 | 2.90 | 52.1 | 38.1 | 1707 | -- |
| Bayer CropScience | InVigor 8440 | H | LL | 51.8 | 16.3 | 89.0 | 0.3 | 40.2 | 3.13 | 50.8 | 37.7 | 1396 | -- |
| Trial Mean | | | | 52.2 | 15.6 | 89.2 | 0.9 | 41.8 | 3.23 | 51.2 | 38.1 | 1333 | -- |
| C.V.% | | | | 1.2 | 4.6 | 1.4 | 108 | 8.7 | 3.6 | 0.9 | 1.5 | 14.5 | -- |
| LSD 0.05 | | | | 0.9 | 1.0 | 1.8 | 1.3 | 5.2 | 0.17 | 0.6 | 0.8 | 276 | -- |

Planting Date = April 27; Harvest Date = Aug. 11; Previous Crop = Soybean.

[1]Type H = Hybrid, Syn = Synthetic, Op = Open Pollinated.

[2]CL = Clearfield system, HO = High Oleic type, LL = Liberty Link.

[3]PM = Physiological Maturity.

[4]0 = No lodging, 9 = Plants flat on the ground.

**Canola - Roundup Ready - 2007- Table 1 - Langdon.**

| Company/Brand | Cultivar | Type[1] | Blackleg Rating[2] | Days to 1st Flower | Days to End Flower | Flower Duration | Days to Maturity |
|---|---|---|---|---|---|---|---|
| | | | | (days) | | | |
| Agriprogress/Lembke | AP 30310-A5 | H, TR | R | 47.5 | 72.5 | 25.0 | 95.3 |
| Agriprogress/Lembke | AP 30412-B6 | H, TR | R | 47.0 | 68.8 | 21.8 | 92.8 |
| Agriprogress/Lembke | AP 30416-B6 | H, TR | R | 47.3 | 69.8 | 22.5 | 93.3 |
| Agriprogress/Lembke | AP 30503-B6 | H, TR | R | 47.3 | 69.5 | 22.3 | 92.8 |
| Agriprogress/Lembke | AP 30507-B6 | H, TR | R | 48.5 | 69.3 | 20.8 | 92.3 |
| Agriprogress/Lembke | AP 30516-A5 | Syn,TR | R | 47.0 | 69.8 | 22.8 | 91.5 |
| Agriprogress/Lembke | AP 30609-B6 | Syn,TR | R | 46.3 | 67.3 | 21.0 | 91.0 |
| Agriprogress/Lembke | AP 30611-B6 | Syn,TR | R | 46.3 | 67.5 | 21.3 | 92.3 |
| Brett Young | 4362RR | H,TR | R | 46.8 | 68.8 | 22.0 | 91.5 |
| Brett Young | 4414RR | H,TR | R | 46.5 | 69.3 | 22.8 | 91.8 |
| Brett Young | 997RR | OP,TR | R | 48.8 | 70.8 | 22.0 | 94.3 |
| Cargill | 04H730 | H,HO | MR | 47.5 | 70.5 | 23.0 | 92.5 |
| Cargill | V1035 | H,HO | R | 46.0 | 68.0 | 22.0 | 91.8 |
| Cargill | V2010 | H,HO | MR | 48.5 | 70.0 | 21.5 | 93.0 |
| Cargill | V2018 | H,HO | MR | 48.8 | 69.8 | 21.0 | 93.0 |
| Croplan Genetics | HyClass 410 | Syn,TR | R | 49.3 | 71.0 | 21.8 | 94.0 |
| Croplan Genetics | HyClass 431 | Syn,TR | MR | 47.8 | 70.8 | 23.0 | 93.0 |
| Croplan Genetics | HyClass 712 | H,TR | MR | 50.3 | 71.8 | 21.5 | 94.8 |
| Croplan Genetics | HyClass 778 | Syn,TR | MR | 47.3 | 69.3 | 22.0 | 90.5 |
| Croplan Genetics | HyClass 905 | H,TR | R | 49.0 | 70.0 | 21.0 | 94.0 |
| Croplan Genetics | HyClass 906 | H,TR | R | 47.3 | 70.0 | 22.8 | 92.3 |
| Croplan Genetics | HyClass 924 | H,TR | R | 45.5 | 69.0 | 23.5 | 90.8 |
| Croplan Genetics | Rugby | H,TR | R | 47.3 | 68.5 | 21.3 | 91.5 |
| DeKalb | DKL38-25 | H,TR | MR | 47.0 | 69.3 | 22.3 | 91.3 |
| DeKalb | DKL52-10 | H,TR | R | 47.3 | 71.5 | 24.3 | 93.5 |
| DeKalb | DKL52-41 | H,TR | R | 46.3 | 69.0 | 22.8 | 93.3 |
| Integra Seed | Int.3789R | H,TR | R | 46.5 | 68.5 | 22.0 | 90.8 |
| Integra Seed | RangerR | Syn,TR | MR | 47.0 | 70.8 | 23.8 | 94.3 |
| Interstate Seed | IS3057 RR | H,TR | R | 45.0 | 66.0 | 21.0 | 90.0 |
| Interstate Seed | IS7145 RR | H,TR | MR | 45.8 | 67.3 | 21.5 | 89.0 |
| Meridian Seeds | 1818 | OP,TR | R | 47.8 | 70.0 | 22.3 | 96.0 |
| Meridian Seeds | 1759S | Syn,TR | R | 45.3 | 66.8 | 21.5 | 89.5 |
| Meridian Seeds | 1768S | Syn,TR | R | 49.3 | 70.5 | 21.3 | 93.5 |
| Meridian Seeds | 1852H | H,TR | R | 47.8 | 71.8 | 24.0 | 93.3 |
| Meridian Seeds | SW H5263RR | OP,TR | R | 50.8 | 72.8 | 22.0 | 94.5 |
| Monsanto | MB52140 | H,TR | R | 46.3 | 67.0 | 20.8 | 90.3 |
| Monsanto | MB52142 | H,TR | R | 45.0 | 65.8 | 20.8 | 86.8 |
| Monsanto | MB52155 | H,TR | R | 45.3 | 67.5 | 22.3 | 91.3 |
| Monsanto | Z5395 | H,TR | R | 46.0 | 67.3 | 21.3 | 89.3 |
| Pioneer Hi-Bred | 45H21 | H,TR | R | 46.8 | 69.3 | 22.5 | 93.3 |
| Pioneer Hi-Bred | 45H26 | H,TR | R | 46.0 | 67.8 | 21.8 | 94.5 |
| Proseed | 2066 | H,TR | MR | 47.3 | 69.5 | 22.3 | 91.0 |
| Proseed | 30 Caliber | Syn,TR | R | 49.8 | 71.8 | 22.0 | 94.3 |
| Proseed | 50 Caliber | H,TR | R | 45.8 | 68.5 | 22.8 | 89.3 |
| Trial Mean | | | | 47.2 | 69.3 | 22.1 | 92.2 |
| C.V. % | | | | 1.6 | 1.7 | 4.4 | 1.8 |
| LSD 0.05 | | | | 1.1 | 1.7 | 1.4 | 2.3 |

Planting Date: May 8; Harvest Date: Aug. 23.

[1]OP = Open Pollinated, H = Hybrid, Syn = Synthetic, TR = Traditional Oil Type, HO = High Oleic Oil Type.

[2]Blackleg Rating: MR = Moderately Resistant, R = Resistant, Ratings are provided by the companies.

**Canola - Roundup Ready - 2007 - Table 2 - Langdon.**

| Company/Brand | Cultivar | Plant Height | Plant[1] Lodge | Cover[2] | Oil Content | Seed Yield | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2005 | 2006[3] | 2007 | 2-yr. Ave. | 3-yr. Ave. |
| | | (inch) | (0-9) | (%) | (%) | (lb/a) | | | | |
| Agriprogress/Lembke | AP 30310-A5 | 46 | 2.0 | 91 | 43.1 | -- | 2188 | 2882 | 2535 | -- |
| Agriprogress/Lembke | AP 30412-B6 | 41 | 1.8 | 85 | 43.7 | -- | -- | 2660 | -- | -- |
| Agriprogress/Lembke | AP 30416-B6 | 42 | 2.5 | 80 | 43.1 | -- | -- | 2380 | -- | -- |
| Agriprogress/Lembke | AP 30503-B6 | 42 | 2.0 | 79 | 41.9 | -- | -- | 2291 | -- | -- |
| Agriprogress/Lembke | AP 30507-B6 | 43 | 3.3 | 83 | 42.2 | -- | -- | 2640 | -- | -- |
| Agriprogress/Lembke | AP 30516-A5 | 41 | 4.5 | 88 | 40.9 | -- | 2135 | 2467 | 2301 | -- |
| Agriprogress/Lembke | AP 30609-B6 | 39 | 3.8 | 85 | 44.0 | -- | -- | 2588 | -- | -- |
| Agriprogress/Lembke | AP 30611-B6 | 38 | 1.8 | 80 | 43.0 | -- | -- | 2443 | -- | -- |
| Brett Young | 4362RR | 45 | 5.0 | 93 | 41.2 | -- | -- | 2611 | -- | -- |
| Brett Young | 4414RR | 44 | 2.8 | 90 | 43.0 | -- | -- | 2718 | -- | -- |
| Brett Young | 997RR | 43 | 3.8 | 78 | 41.6 | -- | -- | 2534 | -- | -- |
| Cargill | 04H730 | 45 | 3.8 | 98 | 41.4 | 2193 | 2198 | 2576 | 2387 | 2322 |
| Cargill | V1035 | 39 | 4.0 | 88 | 42.9 | | 2394 | 2606 | 2500 | 2500 |
| Cargill | V2010 | 42 | 2.0 | 96 | 41.8 | 2326 | 2158 | 2866 | 2512 | 2450 |
| Cargill | V2018 | 41 | 1.3 | 84 | 42.8 | -- | -- | 2679 | -- | -- |
| Croplan Genetics | HyClass 410 | 47 | 3.3 | 83 | 43.2 | -- | -- | 2527 | -- | -- |
| Croplan Genetics | HyClass 431 | 43 | 1.0 | 78 | 41.3 | 2132 | 2078 | 2226 | 2152 | 2145 |
| Croplan Genetics | HyClass 712 | 46 | 2.5 | 84 | 41.7 | 2213 | 1969 | 2942 | 2455 | 2375 |
| Croplan Genetics | HyClass 778 | 41 | 0.5 | 83 | 42.5 | -- | -- | 2640 | -- | -- |
| Croplan Genetics | HyClass 905 | 46 | 1.5 | 93 | 42.5 | 2222 | 2065 | 2890 | 2478 | 2392 |
| Croplan Genetics | HyClass 906 | 44 | 0.8 | 96 | 42.0 | -- | 2274 | 2523 | 2398 | -- |
| Croplan Genetics | HyClass 924 | 42 | 0.8 | 89 | 42.6 | -- | 2331 | 2953 | 2642 | -- |
| Croplan Genetics | Rugby | 40 | 3.3 | 75 | 44.3 | -- | -- | 2464 | -- | -- |
| DeKalb | DKL38-25 | 43 | 0.5 | 83 | 43.3 | 2326 | 2015 | 2811 | 2413 | 2384 |
| DeKalb | DKL52-10 | 42 | 3.3 | 90 | 40.1 | -- | 2298 | 2675 | 2486 | -- |
| DeKalb | DKL52-41 | 43 | 3.5 | 91 | 43.3 | -- | -- | 3016 | -- | -- |
| Integra Seed | Int.3789R | 39 | 2.3 | 89 | 40.4 | -- | 2025 | 2292 | 2158 | -- |
| Integra Seed | RangerR | 40 | 6.0 | 95 | 40.5 | 1850 | 1962 | 2515 | 2239 | 2109 |
| Interstate Seed | IS3057 RR | 41 | 2.0 | 88 | 43.8 | -- | -- | 2668 | -- | -- |
| Interstate Seed | IS7145 RR | 41 | 2.8 | 95 | 45.4 | -- | 2168 | 2728 | 2448 | -- |
| Meridian Seeds | 1818 | 38 | 2.5 | 45 | 42.5 | 2179 | 1693 | 2240 | 1967 | 2037 |
| Meridian Seeds | 1759S | 41 | 1.3 | 88 | 44.4 | -- | 2048 | 2529 | 2289 | -- |
| Meridian Seeds | 1768S | 42 | 2.3 | 91 | 43.7 | -- | 2015 | 2372 | 2194 | -- |
| Meridian Seeds | 1852H | 43 | 4.3 | 86 | 40.5 | 2314 | 2152 | 2698 | 2425 | 2388 |
| Meridian Seeds | SW H5263RR | 44 | 4.5 | 80 | 43.7 | 2217 | 1845 | 2448 | 2147 | 2170 |
| Monsanto | MB52140 | 42 | 1.8 | 94 | 43.2 | -- | -- | 2870 | -- | -- |
| Monsanto | MB52142 | 38 | 0.5 | 93 | 44.6 | -- | -- | 2794 | -- | -- |
| Monsanto | MB52155 | 39 | 3.0 | 93 | 41.8 | -- | -- | 2921 | -- | -- |
| Monsanto | Z5395 | 39 | 3.3 | 84 | 42.8 | -- | -- | 2359 | -- | -- |
| Pioneer Brand | 45H21 | 39 | 4.5 | 84 | 42.2 | 2329 | 2188 | 2593 | 2391 | 2370 |
| Pioneer Brand | 45H26 | 42 | 4.3 | 94 | 43.4 | -- | 2577 | 2959 | 2768 | -- |
| Proseed | 2066 | 40 | 3.0 | 83 | 41.4 | 1983 | 1826 | 2351 | 2088 | 2053 |
| Proseed | 30 Caliber | 48 | 1.3 | 78 | 42.3 | -- | -- | 2598 | -- | -- |
| Proseed | 50 Caliber | 40 | 0.8 | 88 | 42.6 | -- | -- | 2465 | -- | -- |
| Trial Mean | | 41.9 | 2.6 | 85.9 | 42.5 | 2100 | 2020 | 2614 | -- | -- |
| C.V.% | | 5.3 | 70.8 | 5.3 | 3.5 | 8.7 | 11.4 | 9.5 | -- | -- |
| LSD 0.05 | | 3.1 | 2.6 | 6.4 | 2.1 | 254 | 323 | 346 | -- | -- |

Planting Date: May 8; Harvest Date: Aug. 23.

[1] 0 = No lodging, 9 = Plants flat on the ground.

[2] Cover % - Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants were at 5- to 6-leaf stage.

[3] The 2006 trial received some hail damage. Please refer to last year's trial results for further detail.

**Canola - Conventional, Liberty Link, Clearfield Varieties - Table 1 – 2007 - Langdon.**

| Company/Brand | Cultivar | Type[1] | Blackleg Rating[2] | Days to 1st Flower | Days to End Flower | Flower Duration | Days to Maturity |
|---|---|---|---|---|---|---|---|
| | | | | ----------(days)---------- | | | |
| Agriprogress/Lembke | AP 30120-B6 | H,CL,TR | R | 50.5 | 72.3 | 21.8 | 94.0 |
| Agriprogress/Lembke | AP 30812-A5 | H,CL,TR | R | 50.0 | 74.0 | 24.0 | 95.3 |
| Bayer CropScience | InVigor 5440 | H,LL,TR | R | 49.0 | 70.8 | 21.8 | 92.8 |
| Bayer CropScience | InVigor 5550 | H,LL,TR | R | 49.8 | 70.8 | 21.0 | 93.8 |
| Bayer CropScience | InVigor 5630 | H,LL,TR | R | 48.3 | 71.5 | 23.3 | 92.5 |
| Bayer CropScience | InVigor 8440 | H,LL,TR | R | 47.8 | 69.8 | 22.0 | 93.5 |
| Cibus | Roper | Op,Conv,TR | R | 49.8 | 73.0 | 23.3 | 95.5 |
| Croplan Genetics | Python CL | H,CL,TR | R | 49.3 | 72.5 | 23.3 | 95.0 |
| Croplan Genetics | Freedom 84501 LL | Syn,LL,TR | MR | 48.5 | 71.3 | 22.8 | 94.0 |
| Dow AgroSciences | CNX 06 | Op,CL,HO | MR | 48.3 | 69.5 | 21.3 | 93.0 |
| Dow AgroSciences | CNX 11 | Op,CL,HO | MR | 48.8 | 69.8 | 21.0 | 94.0 |
| Dow AgroSciences | Nexera 845 CL | Op,CL,HO | MR | 47.5 | 69.5 | 22.0 | 93.3 |
| Dow AgroSciences | Nexera 828 CL | Op,CL,HO | R | 52.3 | 74.8 | 22.5 | 97.3 |
| Dow AgroSciences | Nexera 830 CL | Op,CL,HO | R | 50.3 | 72.8 | 22.5 | 95.0 |
| Meridian Seeds | 1671H | H,CL,TR | MR | 50.0 | 73.3 | 23.3 | 95.0 |
| Pioneer Brand | 45H73 | H,CL,TR | R | 47.3 | 67.8 | 20.5 | 91.3 |
| Check[3] | HyClass 905 | H,RR,TR | R | 50.5 | 72.5 | 22.0 | 93.8 |
| Check[3] | IS 7145 | H,RR,TR | MR | 47.0 | 69.3 | 22.3 | 91.5 |
| Trial Mean | | | | 49.1 | 71.4 | 22.2 | 93.9 |
| C.V. % | | | | 1.4 | 1.5 | 4.9 | 1.3 |
| LSD 0.05 | | | | 1.0 | 1.6 | 1.6 | 1.7 |

Planting Date: May 8; Harvest Date: Aug. 24.

[1]Op = Open Pollinated, H = Hybrid, Syn = Synthetic, LL = Liberty Link, CL = Clearfield System, Conv = Conventional, TR = Traditional Oil type, HO = High Oleic Oil Type.

[2]Blackleg Rating: MR = Moderately Resistant, R = Resistant.
Ratings provided by the company.

[3]Roundup Ready check variety.

**Canola - Conventional, Liberty Link, Clearfield Varieties - Table 2 – 2007- Langdon.**

| Company/Brand | Cultivar | Plant Height | Plant Lodge[1] | Cover[2] | Oil Content | Seed Yield 2005 | 2006[3] | 2007 | 2-yr. Ave. | 3-yr. Ave. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (inch) | (0-9) | (%) | (%) | ----------(lb/ac)---------- | | | | |
| Agriprogress/Lembke | AP 30120-B6 | 43 | 1.8 | 71 | 41.3 | -- | -- | 2724 | -- | -- |
| Agriprogress/Lembke | AP 30812-A5 | 44 | 0.5 | 66 | 42.1 | -- | 1919 | 2646 | 2283 | -- |
| Croplan Genetics | Python CL | 43 | 2.5 | 78 | 41.0 | -- | -- | 2347 | -- | -- |
| Dow AgroSciences | CNX 06 | 39 | 1.0 | 84 | 43.5 | -- | 1303 | 2236 | 1769 | -- |
| Dow AgroSciences | CNX 11 | 42 | 0.5 | 81 | 45.3 | -- | -- | 2480 | -- | -- |
| Dow AgroSciences | Nexera 845 CL | 39 | 0.5 | 81 | 45.0 | -- | -- | 2279 | -- | -- |
| Dow AgroSciences | Nexera 828 CL | 47 | 0.3 | 70 | 39.7 | 2485 | 1301 | 2292 | 1796 | 2026 |
| Dow AgroSciences | Nexera 830 CL | 42 | 2.5 | 79 | 41.6 | -- | -- | 2375 | -- | -- |
| Meridian Seeds | 1671H | 43 | 0.8 | 70 | 40.0 | -- | 1731 | 2472 | 2101 | -- |
| Pioneer Brand | 45H73 | 40 | 2.8 | 91 | 42.3 | -- | 2094 | 2754 | 2424 | -- |
| Croplan Genetics | Freedom 84501 LL | 39 | 4.8 | 76 | 40.5 | -- | -- | 2333 | -- | -- |
| Bayer CropScience | InVigor 5440 | 42 | 1.0 | 86 | 41.6 | -- | -- | 3178 | -- | -- |
| Bayer CropScience | InVigor 5550 | 42 | 2.5 | 85 | 44.5 | 2945 | 2202 | 2601 | 2401 | 2583 |
| Bayer CropScience | InVigor 5630 | 41 | 3.0 | 80 | 43.3 | 2988 | 2061 | 2667 | 2364 | 2572 |
| Bayer CropScience | InVigor 8440 | 41 | 3.5 | 89 | 41.5 | -- | -- | 3179 | -- | -- |
| Cibus | Roper | 42 | 3.5 | 76 | 43.8 | -- | 1702 | 1972 | 1837 | -- |
| Check[4] | HyClass 905 | 43 | 3.8 | 89 | 42.3 | -- | -- | 2597 | -- | -- |
| Check[4] | IS 7145 | 41 | 5.5 | 90 | 43.5 | -- | -- | 2596 | -- | -- |
| Trial Mean | | 41.8 | 2.3 | 80.1 | 42.4 | 2510 | 1566 | 2540 | -- | -- |
| C.V. % | | 4.3 | 68.0 | 9.5 | 3.5 | 9.7 | 17.1 | 7.2 | -- | -- |
| LSD 0.05 | | 2.5 | 2.2 | 10.8 | 2.1 | 343 | 377 | 258.3 | -- | -- |

Planting Date: May 8; Harvest Date: Aug. 24.

[1]0 = No lodging, 9 = Plants flat on the ground.

[2]Cover % - Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants were at 6- to 7-leaf stage.

[3] The 2006 trial received some hail damage. Please refer to last year's trial results for further details.

[4] Roundup Ready check variety.

**Canola Variety Trial - Conventional - 2007 - North Central Research Extension Center - Minot.**

| Company/Brand | Cultivar | Type[1] | Black Leg[2] | Days to 10% Flower (DAP)[3] | Days to 90% Flower (DAP)[3] | Plant Height (inch) | Seed Weight (g/1000) | Test Weight (lb/bu) | Oil Content (%) | Seed Yield 2007 | Seed Yield 2-yr. Ave. | Seed Yield 3-yr. Ave. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ---------(lb/ac)--------- | | |
| Agriprogress/Lembke | AP 30120-B6 | H, CL | R | 48 | 63 | 39 | 2.9 | 50.3 | 40.3 | 2472 | -- | -- |
| Agriprogress/Lembke | AP 30812-A5 | H, CL | R | 48 | 64 | 38 | 2.8 | 49.4 | 42.0 | 2037 | 2576 | -- |
| Cibus LLC | Roper | Op, TR | R | 48 | 64 | 40 | 3.3 | 51.6 | 40.7 | 1683 | 2449 | -- |
| Croplan Genetics | Python 1651H | H, CL | R | 46 | 63 | 38 | 3.1 | 50.2 | 39.7 | 2180 | -- | -- |
| Dow AgroSciences | Nexera 828 CL | Op, CL | R | 49 | 64 | 41 | 2.8 | 50.8 | 38.1 | 1197 | -- | -- |
| Dow AgroSciences | Nexera 830 CL | Op, CL | R | 48 | 63 | 38 | 3.1 | 51.3 | 39.4 | 2005 | -- | 1473 |
| Dow AgroSciences | CNX06 | Op, CL | MR | 48 | 62 | 37 | 3.0 | 50.7 | 40.1 | 1645 | 2276 | -- |
| Dow AgroSciences | CNX11 | Op, CL | MR | 48 | 62 | 38 | 3.3 | 51.1 | 41.6 | 1771 | -- | -- |
| Dow AgroSciences | CNX15 | Op, CL | MR | 46 | 61 | 36 | 3.4 | 51.0 | 41.0 | 2298 | -- | -- |
| Pioneer Hi-Bred Int. | 45H73 | H, CL | R | 45 | 61 | 38 | 2.5 | 50.4 | 40.2 | 2112 | -- | -- |
| Meridan Seeds LLC | 1671H | H | R | 47 | 64 | 39 | 2.8 | 50.6 | 40.5 | 1970 | 2670 | -- |
| Bayer CropScience | InVigor 5550 | H, LL | R | 45 | 62 | 40 | 2.8 | 51.4 | 41.5 | 2390 | 2781 | -- |
| Bayer CropScience | InVigor 5630 | H, LL | R | 46 | 63 | 37 | 2.7 | 50.6 | 40.7 | 2011 | 2794 | 2509 |
| Bayer CropScience | InVigor 5440 | H, LL | R | 48 | 63 | 39 | 2.8 | 51.3 | 39.6 | 1483 | -- | -- |
| Bayer CropScience | InVigor 8440 | H, LL | R | 46 | 62 | 36 | 2.8 | 50.0 | 38.5 | 1793 | -- | -- |
| Croplan Genetics | Freedom 84501 | Syn, LL | MR | 46 | 62 | 36 | 2.8 | 50.3 | 40.2 | 2069 | -- | -- |
| RR Control[4] | Hyola 357 Magnum | H | -- | 43 | 60 | 34 | 3.0 | 50.2 | 39.3 | 1598 | 2433 | 2368 |
| RR Control[4] | Hyclass 905RR | H | -- | 48 | 63 | 38 | 2.8 | 49.4 | 40.3 | 2247 | -- | -- |
| Trial Mean | | | | 47 | 62 | 38 | 2.9 | 50.6 | 40.2 | 1942 | -- | -- |
| C.V.% | | | | 1.6 | 1.5 | 4.8 | 4.0 | 1.2 | 3.8 | 22.7 | -- | -- |
| LSD 0.05 | | | | 1 | 1 | 3 | 0.2 | 0.8 | NS | 631 | -- | -- |

[1]Type: CL = Clearfield System, H = hybrid, LL = Liberty Link, Op = open pollinated, Syn = synthetic, TR = Traditional.

[2]Blackleg: R = resistant, MR = moderately resistant. Blackleg rating provided by company.

[3] DAP = Days after planting.

[4]Roundup Ready check variety.

Due to high CV % for seed yield value, caution should be taken in interpreting yield data for 2007.

Additional data sites should be used for making decisions.

**Roundup Ready Canola No-till Recrop - 2007 - Williston Research Extension Center.**

| Company/Brand | Cultivar | Days to Flower | Flower Duration | Plant Height | Test Weight | Oil Content | Seed Yield 2005 | 2006 | 2007 | 3 yr avg |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (DAP)[1] | (days) | (inch) | (lb/bu) | (%) | ----------(lb/ac)---------- | | | |
| Brett Young | 997RR | 52 | 23 | 38.4 | 52.7 | 41.5 | -- | -- | 1609 | -- |
| Brett Young | 4414RR | 52 | 20 | 37.5 | 51.8 | 41.3 | -- | -- | 1236 | -- |
| Brett Young | 4362RR | 51 | 23 | 40.6 | 52.6 | 39.7 | -- | -- | 1565 | -- |
| Croplan Genetics | HyClass 431 | 52 | 23 | 39.1 | 51.4 | 40.7 | -- | 684 | 1388 | -- |
| Croplan Genetics | HyClass 712 | 54 | 20 | 39.4 | 51.9 | 41.1 | 1199 | 734 | 1342 | 1092 |
| Croplan Genetics | HyClass 778 | 51 | 22 | 38.3 | 51.6 | 40.8 | -- | -- | 1586 | -- |
| Croplan Genetics | HyClass 924 | 51 | 23 | 39.2 | 52.5 | 39.5 | -- | 674 | 1361 | -- |
| Croplan Genetics | Minot | 53 | 22 | 37.3 | 52.1 | 40.1 | 970 | 520 | 1269 | 920 |
| DeKalb | DKL38-25 | 52 | 22 | 38.3 | 51.6 | 40.8 | 1257 | 769 | 1419 | 1148 |
| DeKalb | DKL52-10 | 52 | 23 | 37.8 | 53.5 | 38.9 | 1033 | 790 | 1485 | 1103 |
| DeKalb | DKL52-41 | 52 | 20 | 37.7 | 53.2 | 39.4 | -- | -- | 1377 | -- |
| Interstate Seed | Hyola 357 Magnum | 50 | 23 | 35.9 | 52.9 | 37.7 | 1333 | 936 | 1368 | 1212 |
| Interstate Seed | IS3057 RR | 47 | 22 | 37.9 | 52.7 | 41.7 | -- | -- | 1766 | -- |
| Interstate Seed | IS7145 RR | 51 | 20 | 38.3 | 53.3 | 41.4 | 1465 | 913 | 1632 | 1337 |
| Monsanto | MB51240 | 50 | 20 | 38.8 | 53.4 | 41.8 | -- | -- | 1795 | -- |
| Monsanto | MB52142 | 50 | 22 | 37.4 | 52.6 | 40.7 | -- | -- | 1784 | -- |
| Monsanto | MB52155 | 50 | 23 | 36.4 | 52.8 | 40.4 | -- | -- | 1564 | -- |
| Monsanto | Z5395 | 52 | 21 | 36.4 | 53.3 | 40.5 | -- | -- | 1517 | -- |
| Trial Mean | | 51 | 22 | 38.0 | 52.5 | 40.5 | 1081 | 692 | 1504 | -- |
| CV % | | 1.8 | 7.0 | 7.3 | 0.3 | 0.8 | 9.0 | 8.0 | 5.7 | -- |
| LSD 0.05 | | 1 | NS | NS | 0.7 | 1.6 | 231 | 113 | 212 | -- |

Planting Date: April 25 into standing durum stubble from 2006. Harvest Date: July 30.

[1] DAP = Days after planting.

**Conventional Canola Variety – 2007- Williston Research Extension Center.**

| Company/Brand | Cultivar | Days to Flower | Flower Duration | Plant Height | Test Weight | Oil | Seed Yield 2005 | 2006 | 2007 | 3 yr avg |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (DAP)[1] | (days) | (inch) | (lb/bu) | (%) | ---------- (lb/ac)---------- | | | |
| Croplan Genetics | Freedom 84S01 LL | 52 | 19 | 35.5 | 52.8 | 42.6 | -- | -- | 1309 | -- |
| Interstate Seed | Minot | 53 | 19 | 33.1 | 51.8 | 43.2 | 1437 | -- | 1110 | -- |
| Interstate Seed | Hylite 618CL | 52 | 20 | 38.7 | 52.6 | 41.9 | 959 | 789 | 1276 | 1008 |
| Interstate Seed | Hyola 357 Magnum | 50 | 20 | 34.7 | 52.4 | 41.5 | 1775 | 1087 | 1567 | 1476 |
| Interstate Seed | Hyola 401 | 50 | 20 | 33.6 | 52.9 | 41.7 | -- | 1084 | 1620 | -- |
| Interstate Seed | Hyola 420 | 51 | 21 | 35.2 | 52.7 | 42.4 | -- | 961 | 1390 | -- |
| Interstate Seed | Hyola 440 | 54 | 19 | 39.0 | 52.6 | 42.7 | -- | 948 | 1325 | -- |
| Interstate Seed | Hyola 514 RR | 55 | 17 | 39.9 | 52.1 | 43.5 | 1867 | 1087 | 1282 | 1412 |
| Trial Mean | | 52 | 19 | 36.2 | 52.5 | 42.4 | 1541 | 949 | 1360 | -- |
| CV % | | 1.9 | 8.6 | 4.7 | 0.6 | 1.9 | 15.0 | 12.0 | 9.9 | -- |
| LSD 0.05 | | 1 | 2 | 3.9 | 0.4 | 0.8 | 193 | 112 | 114 | -- |

Planting Date: April 25 on fallow. Harvest Date: July 30.

[1] DAP = Days after planting.

**2007 Roundup Ready Canola Variety Trial - 2007 - Hettinger.**

| Company/Brand | Cultivar | Type[1] | Days to Flower | Flower Duration | Days to Maturity | Plant Height | Test Weight | Oil Content | Seed Yield |
|---|---|---|---|---|---|---|---|---|---|
| | | | ----------(days)---------- | | | (inch) | (lb/bu) | (%) | (lb/ac) |
| ***Roundup Ready Varieties*** | | | | | | | | | |
| Croplan Genetics | HyClass 924 | H | 54 | 20 | 86 | 46 | 55.8 | 38.1 | 1643 |
| Croplan Genetics | HyClass 778 | Syn | 56 | 17 | 88 | 48 | 54.2 | 39.6 | 1396 |
| Croplan Genetics | HyClass 431 | Syn | 55 | 18 | 88 | 47 | 56.8 | 37.8 | 1355 |
| Croplan Genetics | HyClass 712 | Syn | 58 | 16 | 89 | 48 | 55.2 | 40.1 | 1314 |
| Croplan Genetics | HyClass 410 | Syn | 56 | 18 | 89 | 50 | 58.1 | 39.2 | 1314 |
| DeKalb | DKL52-10 | H | 56 | 18 | 88 | 44 | 59.9 | 36.6 | 1520 |
| DeKalb | DKL52-41 | H | 56 | 18 | 88 | 49 | 56.2 | 38.2 | 1314 |
| DeKalb | DKL38-25 | H | 56 | 17 | 87 | 49 | 61.0 | 38.7 | 1273 |
| Interstate Seed | Hyola 357 Magnum | H | 52 | 20 | 87 | 37 | 57.0 | 38.0 | 1930 |
| Interstate Seed | IS3057RR | H | 52 | 20 | 86 | 43 | 56.3 | 41.0 | 1725 |
| Interstate Seed | IS7145RR | H | 56 | 16 | 88 | 45 | 54.3 | 40.1 | 1602 |
| Monsanto | MB52142 | H | 54 | 18 | 87 | 48 | 57.4 | 39.9 | 2054 |
| Monsanto | MB52155 | H | 54 | 18 | 88 | 49 | 57.7 | 39.4 | 1848 |
| Monsanto | MB51240 | H | 54 | 18 | 88 | 46 | 54.3 | 39.9 | 1725 |
| Monsanto | Z5395 | H | 55 | 18 | 86 | 39 | 57.2 | 38.7 | 1396 |
| Proseed | 50 Caliber | H | 54 | 18 | 87 | 47 | 54.4 | 38.2 | 1396 |
| Proseed | 30 Caliber | Syn | 57 | 17 | 88 | 53 | 55.1 | 39.6 | 1232 |
| Proseed | 2066 | H | 56 | 18 | 87 | 45 | 57.2 | 37.8 | 1150 |
| ***Liberty Link Varieties*** | | | | | | | | | |
| Croplan Genetics | Freedom 84901LL | Syn | 60 | 14 | 86 | 44 | 57.4 | 42.2 | 2054 |
| Trial Mean | | | 55 | 18 | 87 | 46 | 56.6 | 39.1 | 1539 |
| C.V. % | | | 0.9 | 3.2 | 0.7 | 6.5 | 2.9 | 2.6 | 15.2 |
| LSD 0.05 | | | 1 | 1 | 1 | 4 | 2.4 | 1.4 | 333 |

Planting Date: April 18; Harvest Date: July 24. Previous Crop: HRSW

[1] Type: H = Hybrid, Syn = Synthetic

**2007 Canola Variety Trial Results - 2007 – Prosper.**

| Company/Brand | Cultivar | Days to[1] 10% Flower (days) | Days to[2] 90% Flower (days) | Plant Height (inch) | Seed Yield (lb/ac) | Oil Content (%) | Oil Per Acre (lb/ac) |
|---|---|---|---|---|---|---|---|
| Proseed | 50 Caliber | 38 | 59 | 51 | 2866 | 38.5 | 1102 |
| Proseed | 30 Caliber | 41 | 61 | 55 | 3154 | 39.0 | 1229 |
| Proseed | 2066 RR | 41 | 60 | 51 | 2527 | 37.7 | 954 |
| Dow AgroSciences | Nexera 828 CL | 45 | 65 | 55 | 2414 | 39.0 | 943 |
| Dow AgroSciences | Nexera 830 CL | 44 | 66 | 54 | 2880 | 39.6 | 1144 |
| Dow AgroSciences | CNX 06[3] | 42 | 60 | 49 | 2630 | 38.4 | 1011 |
| Dow AgroSciences | CNX 11[3] | 43 | 60 | 51 | 2910 | 40.5 | 1178 |
| Dow AgroSciences | Nexera 845 CL[3] | 41 | 60 | 49 | 2744 | 40.4 | 1108 |
| Cargill | V1035[3] | 41 | 58 | 49 | 3117 | 39.5 | 1229 |
| Cargill | V2010[3] | 41 | 59 | 56 | 3342 | 38.1 | 1275 |
| Cargill | V 2018[3] | 43 | 61 | 51 | 2802 | 37.8 | 1061 |
| Cargill | 04H730[3] | 41 | 60 | 59 | 2952 | 39.2 | 1159 |
| Interstate Seed | Hyola 357 Magnum | 36 | 53 | 48 | 2754 | 36.3 | 1001 |
| Interstate Seed | IS7145 RR | 41 | 59 | 52 | 2669 | 41.4 | 1105 |
| DeKalb | DKL52-10 | 40 | 60 | 50 | 2632 | 37.7 | 991 |
| NDSU | NDX-001 | 40 | 60 | 45 | 2585 | 38.1 | 984 |
| NDSU | NDX-002 | 41 | 59 | 49 | 2607 | 38.1 | 992 |
| NDSU | NDX-003 | 39 | 58 | 48 | 2626 | 41.7 | 1096 |
| NDSU | NDX-004 | 40 | 58 | 47 | 2680 | 40.4 | 1085 |
| NDSU | NDX-005 | 39 | 57 | 46 | 2695 | 39.9 | 1073 |
| Trial Mean | | 41 | 60 | 51 | 2777 | 30.1 | 1085 |
| C.V. % | | 2.0 | 1.9 | 6.6 | 9.9 | 2.5 | 10.6 |
| LSD 0.05 | | 1 | 2 | 6 | 460 | 1.6 | 193 |

Planting date: May 15; Harvest date: Aug. 10.
Fertilized for yield goal of 3,000 lb.
[1]DTF10 = days from planting to 50% of the plants at 10% flowering.
[2]DTF90 = days from planting to 50% of the plants at 90% flowering.
[3]Specialty oil.