

North Central Research Extension Center

Non-Roundup Ready Canola Variety Trial at Minot

| Company | Variety | Herbicide System | Days to Bloom | Bloom Duration | Days to Maturity | Plant Height | Lodging | Oil Content | Seed Yield | | | | |
|------------|---------------|------------------|---------------|----------------|------------------|--------------|---------|-------------|-------------------|------|------|---------------|--------|
| | | | | | | | | | 2014 | 2015 | 2016 | ---Average--- | |
| | | | | | | | | | ----- lbs/A ----- | | | | |
| Cibus | C1511 | SU | DAP* | days | DAP* | inches | 0-9** | % | 2014 | 2015 | 2016 | 2 year | 3 year |
| Cibus | C1516 | SU | 43 | 24 | 86 | 47 | 0 | 41.4 | -- | 2070 | 2293 | 2182 | -- |
| Cibus | C5507 | SU | 44 | 23 | 86 | 45 | 0 | 44.0 | -- | 1874 | 2582 | 2228 | -- |
| Cibus | C5522 | SU | 43 | 21 | 86 | 45 | 0 | 46.1 | -- | -- | 2601 | -- | -- |
| Cibus | C5513 | SU | 43 | 23 | 88 | 44 | 0 | 45.4 | -- | -- | 2439 | -- | -- |
| Cibus | C5513 | SU | 43 | 24 | 85 | 46 | 0 | 44.6 | -- | -- | 2301 | -- | -- |
| Croplan | XCEED 121CL | CL | 39 | 30 | 85 | 50 | 0 | 35.0 | -- | -- | 1440 | -- | -- |
| Canterra | CS2200 CL | CL | 43 | 25 | 86 | 46 | 0 | 46.5 | -- | -- | 2747 | -- | -- |
| Dyna-Gro | DG200CL | CL | 44 | 23 | 86 | 48 | 1 | 45.4 | -- | -- | 3390 | -- | -- |
| Dyna-Gro | XCEED X122CL | CL | 36 | 27 | 84 | 39 | 0 | 36.6 | -- | -- | 1841 | -- | -- |
| Mycogen | 2020CL | CL | 44 | 23 | 87 | 43 | 1 | 46.3 | 1994 | 2095 | 2497 | 2296 | 2195 |
| Mycogen | 2022CL | CL | 43 | 21 | 87 | 44 | 0 | 45.1 | -- | -- | 2624 | -- | -- |
| Mycogen | CL3701975H | CL | 41 | 22 | 86 | 42 | 0 | 46.2 | -- | -- | 2745 | -- | -- |
| Bayer | InVigor L140P | LL | 41 | 21 | 85 | 45 | 1 | 44.5 | 2770 | 2412 | 3133 | 2772 | 2772 |
| Bayer | InVigor L130 | LL | 43 | 22 | 87 | 47 | 1 | 43.2 | 2344 | 1967 | 2891 | 2429 | 2401 |
| Bayer | InVigor L157H | LL | 43 | 23 | 87 | 46 | 1 | 45.1 | -- | -- | 2687 | -- | -- |
| Bayer | InVigor L230 | LL | 41 | 20 | 84 | 43 | 0 | 44.8 | -- | -- | 2986 | -- | -- |
| Bayer | InVigor L233P | LL | 43 | 21 | 86 | 45 | 0 | 45.9 | -- | -- | 3198 | -- | -- |
| Bayer | InVigor L252 | LL | 44 | 21 | 86 | 47 | 0 | 47.9 | 2345 | 2141 | 2939 | 2540 | 2475 |
| Trial Mean | | | 42 | 23 | 86 | 45 | 0 | 44.1 | 2403 | 2033 | 2611 | -- | -- |
| C.V.% | | | 2.1 | 4.4 | 1.1 | 5.7 | 116 | 2.5 | 7.7 | 6.2 | 7.5 | -- | -- |
| LSD 5% | | | 1 | 2 | 2 | 4 | NS | 1.8 | 149 | 150 | 326 | -- | -- |
| LSD 10% | | | 1 | 1 | 1 | 4 | NS | 1.5 | 182 | 183 | 271 | -- | -- |

*DAP = Days after planting. **Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Trial was planted on May 16 with a seeding rate of 9 lbs/A and harvested on August 26.

Previous Crop: 2013 = spring wheat, 2014 & 2015 = soybean

Soil Type: Williams Loam

Oil content and seed yields are adjusted to 8.5% moisture.