

2018 Spring canola variety trial, Southern Agricultural Research Center near Huntley, MT

(preliminary)

| CULTIVAR | SOURCE | HERB. RES. | COUNT (sqft) | FLWR DATE (julian) | CANOPY HT (in) | LODGING (1–9) | SHATTER (1–9) | YIELD (lb/ac) | TEST WT (lb/bu) | OIL (%) |
|-------------|---------------------|---------------|-----------------|-----------------------|-------------------|------------------|------------------|------------------|--------------------|------------|
| 5545 CL | BrettYoung | Clearfield | 10.7 | 168.5 | 48 | 1.2 | 2.2 | 1426.1 | 50 | 42.6 |
| 4187 RR | BrettYoung | Roundup Ready | 11.9 | 172.2 | 51.8 | 1.2 | 1.5 | 1630.9 | 50 | 44.1 |
| 6074 RR | BrettYoung | Roundup Ready | 13.1 | 169.5 | 46.8 | 1.2 | 2 | 1604.7 | 50 | 42.5 |
| 6090 RR | BrettYoung | Roundup Ready | 12.4 | 173.2 | 52.8 | 1 | 3 | 1157.9 | 49.1 | 40.9 |
| 11H4030 | Cargill | Roundup Ready | 12.6 | 164.8 | 37.8 | 2.2 | 2.8 | 1252.9 | 49.3 | 39.2 |
| HyCLASS 730 | CROPLAN by WinField | Roundup Ready | 13.1 | 164.8 | 40.8 | 2.8 | 2.5 | 1195.1 | 49.9 | 41.6 |
| HyCLASS 930 | CROPLAN by WinField | Roundup Ready | 13.2 | 164.2 | 40 | 2.5 | 2.5 | 1233.7 | 49.5 | 42.2 |
| HyCLASS 955 | CROPLAN by WinField | Roundup Ready | 13.7 | 165.2 | 41.2 | 1.5 | 2.5 | 1270.6 | 49.5 | 42 |
| DKL 35–23 | DEKALB | Roundup Ready | 12.9 | 165 | 37.5 | 2.2 | 2.2 | 1190.8 | 48.5 | 39.3 |
| DKL 70–10 | DEKALB | Roundup Ready | 12.3 | 164.8 | 40.2 | 1.8 | 3 | 1435.3 | 50 | 40.5 |
| C5507 | Cibus | Sulfonylurea | 11.5 | 171.5 | 44.8 | 1 | 1.5 | 1249.8 | 48.6 | 41.5 |
| Exp201801 | Cibus | Sulfonylurea | 12.3 | 173.2 | 41.5 | 1 | 1 | 847.3 | 45.7 | 41.8 |
| Exp201803 | Cibus | Sulfonylurea | 13.7 | 174 | 42.2 | 1 | 1.2 | 556.3 | 45.8 | 38.5 |
| Mean | | | 12.6 | 168.5 | 43.5 | 1.6 | 2.2 | 1234.7 | 48.9 | 41.3 |
| CV% | | | 21.5 | 0.6 | 5.4 | 40.5 | 35.3 | 11 | 1.9 | 1.4 |
| LSD | | | NS | 1.5 | 3.4 | 0.9 | 1.1 | 195.5 | 1.4 | 0.8 |
| P–Value | | | 0.9492 | <0.001 | <0.001 | <0.001 | 0.0053 | <0.001 | <0.001 | <0.001 |

YIELD and OIL adjusted to 8.5% moisture

LODGING: 1 = none lodged, 9 = all plants lodged

SHATTER: 1 = none shattered, 9 = all plants shattered

Note: Fisher's protected least significant difference ($\alpha = 0.05$) not significant (NS) when CV% > 15 (YIELD readings only) and/or P–Value > 0.05 (ALL readings)