

## 2018 Spring canola variety trial, Northern Agricultural Research Center near Havre, 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	5.8	168.5	45.8	1	1	1691	52.5	44.2
InVigor L140P	Bayer CropScience	Liberty Link	4.8	168.5	46.8	1	1	1857.5	52.7	43.1
InVigor L233P	Bayer CropScience	Liberty Link	5.5	167.2	40.5	1	1	1952.1	53	43.8
4187 RR	BrettYoung	Roundup Ready	5.8	170.5	43.5	1	1	1830.2	52.1	45.5
6074 RR	BrettYoung	Roundup Ready	5	169	47.8	1	1	1951	53.1	44.1
6090 RR	BrettYoung	Roundup Ready	4.3	171	52.8	1	1	1544.6	52	44.8
11H4030	Cargill	Roundup Ready	5.3	162.2	38	2	1	2147.1	52.5	43.2
HyCLASS 730	CROPLAN by WinField	Roundup Ready	5.5	163.8	38.5	1	1	2266.3	52.7	44.9
HyCLASS 930	CROPLAN by WinField	Roundup Ready	5.1	162.8	41.5	1	1	2192.8	52.2	45.6
HyCLASS 955	CROPLAN by WinField	Roundup Ready	6.3	163	41.2	1	1	2309.8	52.3	46.1
DKL 35–23	DEKALB	Roundup Ready	5.5	164.5	38.2	1	1	2075.8	52.5	41.6
DKL 70–10	DEKALB	Roundup Ready	4.9	165	43.5	1	1	2324.5	52.5	43.4
C5507	Cibus	Sulfonylurea	5.5	168.8	40.8	1	1	1785.7	52.1	45.1
Exp201801	Cibus	Sulfonylurea	5.7	169.2	45.8	1	1	1644.2	52.2	46.5
Exp201803	Cibus	Sulfonylurea	4.6	170.5	45.5	1	1	1306.3	52.5	44.6
Mean			5.3	167	43.3	1.1	1	1925.3	52.5	44.4
CV%			12.9	0.6	7.8	0	0	7.1	0.4	2.2
LSD			1	1.3	4.8	0	NS	195.6	0.3	1.4
P–Value			0.0183	<0.001	<0.001	<0.001	0.4708	<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)