

2017 Spring canola variety trial, Moccasin, MT.

Variety	Distributor	Plant Count ft <sup>2</sup>	Flower Date		Frost Damage <sup>1</sup> 1-5	Plant Height in	Grain Yield <sup>2</sup> bu/ac	Test Weight <sup>3</sup> lb/bu	Oil Content <sup>2,3</sup> %
			cal	jul					
Clearfield									
5545 CL	Brett Young	9.6	19-Jun	170.5	3.3	<b>33.0</b>	8.5	51.5	44.3
15MH6006	Cargill Global Edible Oil Solutions	<b>14.3</b>	12-Jun	<b>163.0</b>	2.7	26.7	7.7	51.6	43.5
Liberty Link									
In Vigor L140P	Bayer CropScience	<b>17.3</b>	19-Jun	170.8	2.3	28.9	6.2	51.4	42.5
In Vigor L230	Bayer CropScience	<b>14.3</b>	14-Jun	165.3	<b>1.5</b>	<b>33.0</b>	10.5	51.0	43.7
In Vigor L233P	Bayer CropScience	11.6	18-Jun	169.0	<b>2.1</b>	<b>33.4</b>	8.2	51.9	42.5
In Vigor L252	Bayer CropScience	<b>15.7</b>	18-Jun	169.0	2.3	30.1	10.1	50.8	44.7
Roundup Ready									
6074 RR	Brett Young	14.0	18-Jun	169.0	2.3	30.6	9.5	50.0	45.9
6080 RR	Brett Young	12.0	15-Jun	166.0	<b>1.9</b>	<b>33.2</b>	9.9	51.2	46.8
09H7763	Cargill Global Edible Oil Solutions	13.9	21-Jun	172.0	3.8	<b>35.5</b>	8.8	50.6	42.9
11H4009	Cargill Global Edible Oil Solutions	12.7	15-Jun	166.3	3.2	30.6	8.0	52.3	42.9
11H4030	Cargill Global Edible Oil Solutions	13.7	13-Jun	<b>164.0</b>	2.6	24.9	8.7	50.3	44.6
11H4054	Cargill Global Edible Oil Solutions	13.4	17-Jun	168.3	3.5	26.8	6.9	50.5	44.6
HyCLASS 930	CROPLAN by WinField	10.0	15-Jun	166.0	2.9	29.6	9.9	50.3	48.0
HyCLASS 955	CROPLAN by WinField	9.0	13-Jun	<b>164.0</b>	2.2	30.1	11.1	51.4	45.5
HyCLASS 970	CROPLAN by WinField	12.2	16-Jun	167.8	2.2	30.9	7.1	50.3	46.1
DKL 35-23	Dekalb	14.1	15-Jun	166.0	<b>1.8</b>	31.6	10.4	50.4	44.4
DKL 70-10	Dekalb	10.0	16-Jun	167.3	<b>2.1</b>	31.7	8.2	51.5	44.7
Sulfonylurea									
C5507	Cibus	12.2	21-Jun	172.0	3.9	30.4	5.6	49.2	44.9
C5513	Cibus	13.1	21-Jun	172.0	2.9	31.1	4.8	51.0	43.2
C5522	Cibus	12.6	18-Jun	169.5	3.3	30.9	7.3	50.0	44.9
Mean		12.8	16-Jun	167.9	2.6	30.6	8.4	50.8	44.5
CV%		16.5	-	0.4	17.5	6.7	23.9	-	-
LSD		3.0	-	1.0	0.7	2.9	NS <sup>4</sup>	-	-
P-Value		<0.0001	-	<0.0001	<0.0001	<0.0001	<0.001	-	-

<sup>1</sup> Frost Damage: 1 = No plants damaged; 5 = All plants damaged

<sup>2</sup> Adjusted to 8% moisture

<sup>3</sup> Only one replicate summarized

<sup>4</sup> LSD considered non-significant when grain yield CV% > 15

**Bold** indicates top-performing cultivar(s) in a column

**Bold** indicates cultivar performing statistically equivalent to top-performing cultivar(s)

Seeding Date: 4/20/17

Harvest Date: 7/28/17