

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Canola - Roundup Ready Cultivars

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ID	Brand	Cultivar	Status ¹	Oil Type ²	Black Leg ³	Days			Plant Height	1000 KWT	Test Weight	Oil Content	----- Seed Yield -----			
						to Bloom	Bloom Duration	Days to PM					2011	3-yr. Avg.		
													lb/bu	% @ 8.5%M	lb/ac	-----
1	Pioneer	46S53	CA	Trad	R	49.0	17.3	85.3	50.0	2.30	52.4	41.0	1546	--		
2	Pioneer	45S52	CA	Trad	MR	48.0	16.8	85.0	45.4	2.68	51.4	42.4	2057	--		
3	Pioneer	45H29	CA	Trad	R	48.3	17.0	85.3	48.0	2.28	51.7	41.1	2078	--		
4	Cargill	v2035	CA	HO	R	48.0	15.0	84.3	40.4	2.59	51.7	44.0	1900	--		
5	Cargill	08H1134	Exp	HO	R	49.0	16.3	85.0	45.8	2.84	51.1	41.0	1525	--		
6	Cargill	V12-1	CA	HO	R	49.3	18.0	86.3	49.5	2.30	51.2	39.1	2102	--		
7	Mycogen Seeds	1012 RR	CA	HO	R	52.5	17.3	86.5	50.9	2.30	52.4	38.9	1738	--		
8	Mycogen Seeds	1014 RR	CA	HO	MR	53.0	17.3	86.5	52.1	2.14	51.7	38.7	1534	--		
9	Mycogen Seeds	G152936H	Exp	HO	R	49.0	15.5	84.5	47.9	2.48	51.8	40.3	1492	--		
10	Mycogen Seeds	G152951H	Exp	HO	R	52.5	17.5	86.0	53.5	2.35	52.5	38.2	1513	--		
11	Croplan Genetics	HyCLASS 940	CA	Trad	R	47.3	16.5	83.8	43.3	2.60	51.9	42.2	1736	2255		
12	Croplan Genetics	HyCLASS 947	CA	Trad	R	48.0	17.0	84.8	48.8	2.46	51.3	43.5	1917	--		
13	Croplan Genetics	HyCLASS 955	CA	Trad	R	48.0	16.3	84.3	45.5	2.48	51.8	43.7	2018	--		
14	Croplan Genetics	HyCLASS 988	CA	Trad	R	48.5	19.0	86.3	45.7	2.43	50.0	41.4	1944	--		
15	BrettYoung	6070 RR	CA	Trad	R	47.0	16.8	84.8	42.3	2.55	51.2	42.0	2200	--		
16	BrettYoung	6040 RR	CA	Trad	R	48.8	16.8	84.8	50.6	2.48	51.7	39.6	1977	2263		
17	BrettYoung	BY11-860	Exp	Trad	R	48.3	20.3	85.5	44.3	2.45	51.3	40.1	2035	--		
18	Integra Fortified Seed	7121 R	CA	Trad	R	48.3	17.8	84.8	45.5	2.63	51.9	40.8	1602	2268		
19	Integra Fortified Seed	7150 R	CA	Trad	R	46.3	16.0	83.0	43.5	2.59	51.3	44.5	1727	--		
20	Integra Fortified Seed	7152 R	CA	Trad	R	47.3	16.3	83.8	45.6	2.91	51.1	42.2	1800	--		
21	Monsanto	G99402	Exp	Trad	R	48.0	16.3	84.8	46.3	2.45	51.1	45.0	2106	--		
22	Monsanto	G88605	Exp	Trad	R	48.0	16.0	84.8	45.2	2.56	51.4	44.0	2014	--		
23	Monsanto	G89304	Exp	Trad	R	47.0	15.3	82.5	43.5	2.61	51.4	44.2	1701	--		
24	Monsanto	G98689	Exp	Trad	R	47.8	15.5	84.5	43.9	2.75	51.7	44.3	1938	--		
25	Monsanto	G08039	Exp	Trad	R	49.0	17.8	85.3	45.1	2.54	51.8	42.5	1842	--		
MEAN						48.4	16.7	84.7	46.2	2.52	51.6	42.0	1840	--		
C.V. (%)						0.7	5.4	0.8	7.8	6.6	0.6	2.4	9.2	--		
LSD 0.05						0.5	1.2	1.0	5.0	0.23	0.5	1.4	233	--		

Planting Date = May 9; Harvest Date = August 9; Previous Crop = Spring Wheat.

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ID	Brand	Cultivar	Status ¹	Oil Type ²	Black Leg ³	Days			Plant Height	1000 KWT	Test Weight	Oil Content	----- Seed Yield -----					
						to Bloom	Bloom Duration	Days to PM					2011	3-yr. Avg.				
													inch	gram	lb/bu	% @ 8.5%M	lb/ac	-----
26	Monsanto	G99396	Exp	Trad	R	47.8	16.0	84.5	46.7	2.53	51.6	43.9	1932	--				
27	Monsanto	G98739	Exp	Trad	R	48.0	15.8	84.5	43.7	2.51	51.9	43.3	2042	--				
28	Monsanto	G99010	Exp	Trad	R	48.0	15.3	84.3	47.2	2.45	51.4	43.6	2131	--				
29	Monsanto	G98767	Exp	Trad	R	48.0	15.8	84.5	43.4	2.25	51.5	44.0	1978	--				
30	Monsanto	G08027	Exp	Trad	R	51.0	18.3	86.3	50.5	2.71	52.4	39.6	1716	--				
31	Dekalb	DKL51-45	CA	Trad	R	47.0	15.3	83.0	45.8	2.58	51.6	44.0	1911	--				
32	Dekalb	DKL72-40	CA	Trad	R	48.0	15.0	84.3	45.3	2.54	51.2	44.3	1874	--				
33	Dekalb	DKL30-42	CA	Trad	R	47.8	15.3	83.5	42.2	2.75	51.3	43.0	1762	2147				
34	Dekalb	DKL52-41	CA	Trad	R	48.0	17.3	84.3	47.4	2.55	51.6	41.8	1838	--				
35	Dekalb	DKL72-55	CA	Trad	R	48.0	17.0	85.0	45.8	2.60	52.0	42.6	1772	2186				
36	Dekalb	DKL55-55	CA	Trad	R	47.3	15.3	83.3	46.3	2.59	51.4	44.1	1948	--				
37	Dekalb	DKL70-07	CA	Trad	R	48.0	17.0	84.5	44.5	2.46	51.7	43.5	1906	--				
38	Proseed	45 Caliber	CA	Trad	R	48.8	19.5	85.8	47.6	2.55	50.8	40.5	2080	--				
MEAN						48.4	16.7	84.7	46.2	2.52	51.6	42.0	1840	--				
C.V. (%)						0.7	5.4	0.8	7.8	6.6	0.6	2.4	9.2	--				
LSD 0.05						0.5	1.2	1.0	5.0	0.23	0.5	1.4	233	--				

Planting Date = May 9; Harvest Date = August 9; Previous Crop = Spring Wheat.

This trial was impacted by a hail storm on July 24, overall yield loss assessed at 20%.

* Plant type: All cultivars are 'Hybrids' except entry ID's 38 through 43 which are 'Open-Pollinated'

¹ Cultivar status: CA = Commercially available and Exp = Experimental.

² Oil type: Trad = Traditional; HO = High Oleic oil.

³ Blackleg rating: R = Resistant; MR = Moderately Resistant.