

2008 Canola Variety Trials

Compiled by

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Introduction update

Canola is an expanding crop in the northern Great Plains and in North Dakota. In 2008, North Dakota accounted for approximately 91 percent of the canola acreage planted in the United States. This report summarizes canola variety performance at the various North Dakota State University Research Extension Centers. The relative performance of the varieties and hybrids is presented in table form. Give special attention to yield results of those trials nearest to your production area when evaluating varieties or hybrids in these trials. Also, attempt to view yield averages of several years rather than using only one year's data as a determining factor. In addition, also consider other agronomic characteristics, such as maturity, lodging score and oil percentages, if available.

Information contained in this publication is based on research conducted by the following North Dakota Agricultural Experiment Station scientists and canola breeders:

Blaine Schatz and Steve Zwinger	Carrington Research Extension Center
Eric Eriksmoen	Hettinger Research Extension Center
Bryan Hanson	Langdon Research Extension Center
Mark Halvorson	North Central Research Extension Center, Minot
Neil Riveland	Williston Research Extension Center
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Table 1. Canola Production, North Dakota 1998-2008.

Year	Acre Planted	Acre Harvested	Yield Per Acre	Production
	------(1,000 Acres)-----		(lb)	(1,000 lb)
1998	800	775	1,480	1,147,000
1999	855	835	1,300	1,085,500
2000	1,270	1,250	1,320	1,650,000
2001	1,300	1,285	1,400	1,799,000
2002	1,300	1,160	1,210	1,403,600
2003	970	960	1,410	1,353,600
2004	780	750	1,630	1,222,500
2005	1,040	1,015	1,440	1,461,600
2006	940	935	1,370	1,280,950
2007	1,080	1,070	1,240	1,375,500
2008	920	900	1,520	1,368,000
Average	1,023	994	1,393	1,252.800

Source: North Dakota Agricultural Statistics Service – USDA

2008 Growing Season Update

Canola fieldwork began at the end of April. Planting was done fairly quickly during late April and early May. By May 18, 77 percent of the acres were planted. This level of planted acres was about one week later than in 2007. Western North Dakota started the growing season with dry soil conditions, and the early canola stands varied across the region, depending on soil moisture availability and rainfall after planting. In mid-July, the North Dakota Agricultural Statistics Service reported the canola crop condition 56 percent “good” and 13 percent “excellent.” By July 13, 86 percent of the canola crop was flowering, which compares with 95 percent in 2007.

Dry conditions continued in the west throughout the season. The hot, dry weather and dry soil conditions during the flowering and grain-fill periods reduced canola yield potential in the west. North-central areas of North Dakota received some rain in early August. Overall, the summer was the 46th coolest on record. The projected average North Dakota canola yield is 1,520 pounds per acre, which is slightly higher than the last 10-year average (1998-2007) of 1,380 pounds per acre.

Table 2. April-September 2008 Average Temperature and Precipitation Rankings for Select North Dakota Locations.

City	Temperature Ranking	Precipitation Ranking
Bowman	39th Coolest (Since 1915)	43rd Driest (Since 1915)
Bismarck	67th Warmest (Since 1874)	67th Wettest (Since 1874)
Fargo	62nd Coolest (Since 1881)	9th Wettest (Since 1881)
Minot Exp. Station	31st Coolest (Since 1905)	6th Driest (Since 1905)
Cavalier	11th Coolest (Since 1934)	41st Wettest (Since 1927)
Williston Exp. Station	15th Warmest (Since 1953)	12th Driest (Since 1956)
North Dakota Average	46th Coolest (Since 1895)	46th Wettest (Since 1895)

Source: Adnan Akyuz, NDSU, North Dakota state climatologist.

About this publication

Information about canola variety performance can be accessed on the Web at www.ag.ndsu.edu/variety/canola.html. Variety trial data from all NDSU Research Extension Centers for all crops can be found at www.ag.ndsu.edu/variety/index.htm. The agronomic data presented in this publication are from replicated research plots using experimental designs that enable the use of statistical analysis. The LSD (Least Significant Difference) numbers beneath the columns in tables are derived from the statistical analyses and only apply to the numbers in the column in which they appear. If the difference between two varieties exceeds the LSD value, it means that with 95 percent probability the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar. NS is used to indicate no significant difference for that trait among any of the varieties. The CV is a measure of variability in the trial. The CV stands for coefficient of variation and is expressed as a percentage. Large CVs mean a large amount of variation that could not be attributed to differences in the varieties. In the tables, the mean indicates the average of the observations in the column. Only compare values within the table and look for trends for the desired trait among different experimental sites and years. Oil and harvest yield were adjusted to 8.5 percent moisture.

Presentation of data for the varieties tested does not imply approval or endorsement by the authors or agencies conducting the tests. NDSU approves the reproduction of any table in this publication only if no portion is deleted, if appropriate footnotes are given, and if the order of the data is not rearranged and NDSU is credited for the data.

Table 3. 2008 Canola - Roundup Ready Varieties - Carrington.

Company/Brand	Variety	Type ¹	Days to Flower	Flower Duration	Days to PM ²	Plant Lodge	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield	
											(0-9) ³	(inch)
Brett Young	4414RR	H	57.3	17.3	96.3	0.0	45.6	2.8	51.6	41.0	2,333	--
Brett Young	6051RR	H	58.5	18.3	99.0	0.0	47.7	2.8	52.1	40.9	2,125	--
Brett Young	6235RR	H	59.3	17.8	98.3	0.0	48.2	2.6	52.1	41.4	2,191	--
Canterra	SWK5325RR	H	58.5	18.3	97.0	0.0	46.2	3.1	50.9	40.9	2,339	--
Canterra	1818	OP	58.0	17.5	96.8	0.0	43.9	2.6	51.6	39.0	2,320	1,468
Canterra	30507-B6	H	57.5	16.3	95.0	0.0	45.5	3.0	52.0	39.9	2,560	--
Cargill	V1035	H	57.3	16.3	97.3	0.0	43.6	2.7	51.7	41.8	2,425	2,132
Cargill	V1037	H	58.0	17.0	97.8	0.5	46.0	2.9	52.0	40.4	2,262	--
Cargill	V2010	H	60.3	16.3	99.3	0.3	50.6	3.2	51.1	40.5	2,021	1,833
Cargill	V2018	H	59.0	16.8	98.5	0.0	46.4	3.1	50.9	41.3	2,208	--
Croplan	HyClass 410	Syn	58.0	17.5	97.0	0.0	49.2	2.7	52.0	40.9	2,289	--
Croplan	HyClass 712	Syn	59.5	17.5	98.3	0.0	48.9	2.8	51.3	40.7	2,399	1,899
Croplan	HyClass 906	H	57.8	18.5	97.0	0.0	47.2	3.0	50.7	40.5	2,167	--
Croplan	HyClass 906P	H	57.5	18.0	96.3	0.0	45.1	3.0	50.4	41.5	2,275	--
Croplan	HyClass 924	H	56.0	19.8	96.3	0.0	44.0	2.7	52.0	39.6	2,399	1,883
Croplan	HyClass 940	H	56.0	17.5	96.0	0.0	43.5	3.0	51.9	41.1	2,940	--
Dekalb	IS7145	H	59.0	17.3	97.3	0.0	48.1	2.8	51.6	41.3	2,379	--
Dekalb	IS3057	H	55.0	17.8	96.0	0.0	40.5	2.5	50.9	42.3	2,732	--
Dekalb	DKL52-41	H	56.5	17.8	95.5	0.0	45.3	2.8	51.4	40.9	2,398	--
Dekalb	DKL30-42	H	55.8	17.8	95.0	0.0	40.8	2.9	52.2	40.6	2,247	--
Dekalb	DKL72-55	H	56.8	17.3	96.8	0.0	44.5	3.1	51.9	41.1	2,512	--
Dekalb	DKL52-41 Plus	H	56.5	18.3	97.3	0.0	45.7	2.8	51.5	41.4	2,404	--
DL Seeds Inc	30412-B6	H	58.5	16.5	96.3	0.0	47.1	2.5	52.0	40.9	2,362	--
DL Seeds Inc	30503-B6	H	58.0	17.3	96.8	0.0	45.8	2.6	51.3	41.1	2,341	--
DL Seeds Inc	30416-B6	H	58.5	17.0	96.3	0.0	46.9	2.5	52.2	40.6	2,314	--
DL Seeds Inc	30214-C7	H	58.0	18.0	96.8	0.0	47.5	3.0	52.2	40.7	2,314	--
DL Seeds Inc	30216-C7	H	59.0	16.8	97.0	0.0	46.9	3.0	51.0	41.2	2,613	--
DL Seeds Inc	30217-C7	H	58.3	16.8	97.0	0.0	47.5	2.7	51.4	41.5	2,617	--
DL Seeds Inc	30408-C7	H	56.0	20.0	97.3	0.0	47.6	2.7	51.6	41.3	2,340	--
DL Seeds Inc	30422-C7	H	57.5	16.0	96.3	0.0	46.3	3.0	50.7	39.5	2,340	--
DL Seeds Inc	30509-C7	Syn	56.8	16.5	94.5	0.0	45.8	2.5	51.5	40.1	2,313	--
DL Seeds Inc	H6195	H	59.0	17.8	97.5	0.5	47.9	3.2	51.4	40.5	2,161	--
DL Seeds Inc	H7385	H	55.5	17.5	93.0	0.0	43.3	2.3	52.6	38.4	2,195	--
Integra	IX08-7321R	H	57.5	16.0	96.3	0.0	47.9	2.5	51.9	40.9	2,437	--
Integra	IX08-7121R	H	57.0	16.5	96.8	0.0	45.0	2.9	51.7	40.2	2,454	--
Integra	IX08-7323R	H	58.5	16.5	97.5	0.0	46.6	2.4	51.1	39.6	2,582	--
Monsanto	G72061	H	59.0	17.3	96.8	0.0	47.1	2.5	51.0	40.7	2,397	--
Monsanto	G64034	H	59.0	17.5	97.8	0.0	46.5	3.0	51.4	41.0	2,682	--
Monsanto	G75011	H	57.0	19.0	96.5	0.0	45.5	3.0	51.8	40.1	2,158	--
Monsanto	G75449	H	58.3	18.3	96.8	0.0	44.1	2.8	52.4	38.8	2,284	--
Monsanto	G67012	H	57.0	18.8	96.3	0.0	46.4	2.7	52.2	41.0	2,292	--
Monsanto	G72021	H	57.3	17.3	97.0	0.0	44.3	2.8	52.0	42.6	2,562	--
Monsanto	G72003	H	56.5	17.3	96.3	0.0	46.2	2.9	51.8	41.5	2,342	--
Monsanto	Z4409	H	57.0	17.3	96.0	0.0	45.2	2.7	52.3	40.9	2,642	--
Mycogen	G2X0022	OP	62.8	16.8	99.3	0.0	49.0	2.2	52.2	42.4	1,855	--
Mycogen	G2X0023	OP	60.8	16.0	97.8	0.0	45.0	2.2	51.1	41.6	2,175	--
Mean			58.0	17.4	96.9	0.0	46.0	2.7	51.6	40.7	2,349	--
CV %			0.8	4.4	0.8	915	4.4	3.7	0.8	1.9	12.5	--
LSD 0.05			0.7	1.1	1.0	NS	2.8	0.14	0.6	1.1	407	--

Planting Date = April 30; Harvest Date = Aug. 15; Previous Crop = Spring wheat.

¹Type: H = Hybrid, Syn = Synthetic, OP = Open Pollinated.

²PM = Physiological Maturity.

³0 = No lodging, 9 = Plants flat on the ground.

Table 3. 2008 Canola - Roundup Ready Varieties - Carrington. (cont.)

Company/Brand	Variety	Type ¹	Days to Flower	Flower Duration	Days to PM ²	Plant Lodge	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield	
											2008	3-yr. Avg.
				(days)		(0-9) ³	(inch)	(g/1000)	(lb/bu)	(%)	---	(lb/a)---
Mycogen	G2X0024	OP	60.3	16.3	97.3	0.0	45.1	2.4	52.6	40.7	2,227	--
Mycogen	G2X0039	OP	62.3	15.8	99.0	0.0	46.1	2.3	51.1	41.5	2,101	--
Mycogen	G2X0043	OP	60.8	16.0	98.0	0.0	48.4	2.4	50.8	40.6	2,203	--
Mycogen	G2X0044	OP	59.3	17.0	97.8	0.0	46.1	2.1	51.2	40.1	2,304	--
Mycogen	G2X0054	OP	59.5	17.0	97.5	0.0	43.8	2.2	51.5	40.5	2,222	--
No Brand	WE0801	H	57.0	16.8	96.8	0.0	41.1	2.9	51.6	40.6	2,579	--
Pioneer	45H26	H	57.0	18.5	96.3	0.0	46.3	2.5	52.2	40.2	2,547	2,146
Pioneer	45H28	H	57.0	18.0	96.3	0.0	48.8	2.3	52.3	40.8	2,219	--
Proseed	2066	H	58.0	17.3	96.0	0.0	44.7	3.1	51.0	40.6	2,106	1,775
Proseed	30 Caliber	Syn	59.5	17.0	97.5	0.0	50.6	2.9	51.5	41.1	2,479	--
Proseed	50 Caliber	H	55.8	19.5	97.0	0.0	44.9	2.6	52.1	39.4	2,066	--
Proseed	2030	H	55.8	18.5	96.3	0.0	46.0	2.8	52.0	39.9	2,476	--
Mean			58.0	17.4	96.9	0.0	46.0	2.7	51.6	40.7	2,349	--
CV %			0.8	4.4	0.8	915	4.4	3.7	0.8	1.9	12.5	--
LSD 0.05			0.7	1.1	1.0	NS	2.8	0.14	0.6	1.1	407	--

Planting Date = April 30; Harvest Date = Aug. 15; Previous Crop = Spring wheat.

¹Type: H = Hybrid, Syn = Synthetic, OP = Open Pollinated.²PM = Physiological Maturity.³0 = No lodging, 9 = Plants flat on the ground.**Table 4. 2008 Canola - Conventional, Liberty Link and Clearfield Varieties - Carrington.**

Company/Brand	Variety	Type ¹	Seed Traits ²	Days to Flower	Flower Duration	Days to PM ³	Plant Lodge	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield	
												2008	3-yr. Avg.
					(days)		(0-9) ⁴	(inch)	(g/1000)	(lb/bu)	(%)	---	(lb/a)---
Bayer	InVigor 8440	H	LL	56.5	18.0	97.5	0	44.6	3.38	51.0	40.9	1,834	--
Bayer	InVigor 5440	H	LL	58.0	18.0	98.3	0	47.7	3.68	52.1	40.0	2,250	--
Bayer	InVigor 5550	H	LL	57.8	17.8	97.5	0	48.2	3.44	52.0	40.5	2,698	2,107
Bayer	InVigor 5630	H	LL	58.5	17.5	97.5	0	46.7	3.48	51.2	41.2	2,147	1,937
Canterra	30120-B6	H	CL	58.0	18.0	97.0	0	47.7	3.48	50.8	40.0	2,266	--
DL Seeds Inc	30423-C7	Syn	CL	59.3	18.0	98.5	0	46.9	3.54	51.1	39.0	1,779	--
DL Seeds Inc	30522-C7	H	CL	59.5	19.5	99.3	0	46.6	3.20	50.9	38.6	1,923	--
DL Seeds Inc	30611-C7	H	CL	59.3	17.8	98.0	0	46.3	3.24	51.8	40.6	1,973	--
Mycogen	Nexera 830CL	OP	CL	62.3	16.8	100.0	0	47.7	3.69	51.7	38.4	1,547	--
Mycogen	Nexera 845CL	OP	CL	59.3	15.5	99.3	0	43.6	4.38	50.8	40.1	2,073	--
Mycogen	DN051493	OP	CL	61.5	17.0	99.0	0	48.0	3.29	51.5	40.9	1,685	--
Mycogen	DN051505	OP	CL	59.5	16.0	97.8	0	45.1	3.35	51.7	42.6	1,917	--
Mycogen	DN051535	OP	CL	60.8	15.5	97.3	0	45.9	3.35	51.7	41.2	1,779	--
Mycogen	DN051607	OP	CL	59.5	16.0	97.8	0	45.9	3.91	51.3	40.7	1,689	--
Mycogen	DN051692	OP	CL	61.5	14.5	97.5	0	46.3	3.59	51.3	39.5	1,480	--
Mycogen	DN051874	OP	CL	62.0	17.8	99.8	0	45.4	3.29	51.7	41.3	1,422	--
Mean				59.6	17.0	98.1	0	46.4	3.48	51.5	40.4	1,914	--
CV %				1.1	5.7	0.8	NA	5.4	4.2	0.4	1.6	12.4	--
LSD 0.05				1.0	1.4	1.1	NS	NS	0.21	0.3	0.9	334	--

Planting Date = April 30; Harvest Date = Aug. 15; Previous Crop = Spring wheat.

¹Type: H = Hybrid, Syn = Synthetic, Op = Open Pollinated.²CL = Clearfield, LL = Liberty Link.³PM = Physiological Maturity.⁴0 = No lodging, 9 = Plants flat on the ground.

Table 5. 2008 Roundup Ready Canola Variety Trial - Hettinger.

Company/Brand	Variety	Days to Flower	Flower Duration	Days to Maturity	Plant Height	Test Weight	Oil Content	Seed Yield	
		------(days)-----			(inch)	(lb/bu)	(%)	------(lb/a)-----	
<u>Roundup Ready Varieties</u>									
Brett Young	4362RR	56	14	88	46	48.2	34.3	--	818
Brett Young	6051RR	56	15	90	43	49.8	37.4	--	1,104
Brett Young	6235RR	58	14	90	44	48.9	37.1	--	1,085
Croplan	HyClass 924	55	16	86	43	51.0	36.4	1,643	1,202
Croplan	HyClass 940	55	14	87	38	51.3	37.0	1,725	1,162
Croplan	HyClass 410	57	14	88	45	53.0	37.1	1,314	1,259
Dekalb	DKL71-55	56	14	90	42	50.1	39.1	--	1,429
Dekalb	DKL52-41	56	14	88	41	51.7	37.2	1,314	1,169
Dekalb	DKL3042	55	14	88	40	50.8	37.3	--	1,303
Interstate	IS3057RR	53	16	84	40	50.1	37.8	1,725	1,197
Interstate	IS7145RR	57	15	90	45	49.2	37.5	1,602	1,104
Monsanto	Z4409	56	14	88	43	50.9	37.2	--	1,202
Monsanto	G7003	56	14	87	42	50.4	37.0	--	1,070
Monsanto	G72061	57	14	90	41	49.8	38.0	--	1,059
Monsanto	G64034	57	14	89	42	52.9	37.4	--	1,406
Monsanto	G75011	56	14	88	43	50.6	37.3	--	1,282
Monsanto	G75449	56	15	88	44	49.9	36.0	--	1,248
Monsanto	G67012	56	14	89	42	49.8	37.3	--	1,242
Monsanto	G72021	55	15	88	40	51.9	39.1	--	1,548
Pioneer	45H21	57	13	89	42	50.4	37.4	--	1,219
Pioneer	06N530R	56	13	88	46	50.8	37.8	--	1,288
Proseed	50 Caliber	55	16	90	41	49.5	37.4	1,396	1,620
Proseed	30 Caliber	58	14	91	43	49.0	37.5	1,232	1,410
Proseed	2066	56	14	86	43	50.0	37.6	1,150	1,210
Proseed	2030	55	16	90	41	49.7	38.0	--	1,564
<u>Liberty Link Varieties</u>									
Croplan	Freedom 84S01	56	14	87	40	49.0	38.6	2,054	1,192
Mean		56	14	88	42	50.3	37.4	1,516	1,246
CV %		0.7	4.7	1.2	9.0	4.0	1.9	15.2	11.2
LSD 0.05		1	1	1	NS	NS	1.0	333	197

Planting Date: April 23; Harvest Date: July 31; Previous Crop: Field pea.

Table 6. 2008 Canola - Roundup Ready - Langdon.

Company/Brand	Variety	Type ¹	Blackleg Rating ²	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
Brett Young	4414RR	H,TR	R	52.0	74.3	22.3	100.8
Brett Young	6051RR	H,TR	MR	53.5	77.5	24.0	104.5
Brett Young	6235RR	H,TR	MR	53.8	76.5	22.8	104.3
Canterra	SWK5325RR	H,TR	MR	54.3	78.8	24.5	104.5
Canterra	1818 RR	OP,TR	R	53.0	75.8	22.8	104.8
Canterra	30507-B6	H,TR	MR	54.0	75.8	21.8	102.5
Cargill	V1035	H,HO	R	53.5	72.3	18.8	102.3
Cargill	V1037	H,HO	R	55.0	75.0	20.0	104.3
Cargill	V2010	H,HO	R	56.5	76.5	20.0	103.5
Cargill	V2018	H,HO	MR	54.8	76.8	22.0	102.3
Cargill	V2030	H,HO	MR	55.0	77.0	22.0	103.0
Croplan	HyClass 410	Syn,TR	R	53.5	77.0	23.5	104.3
Croplan	HyClass 712	Syn,TR	R	55.3	78.0	22.8	104.8
Croplan	HyClass 906	H,TR	R	54.0	78.5	24.5	105.0
Croplan	HyClass 906P	H,TR	R	54.0	77.5	23.5	105.5
Croplan	HyClass 924	H,TR	R	51.3	77.5	26.3	101.5
Croplan	HyClass 940	H,TR	R	51.5	71.0	19.5	99.8
Dekalb	DKL52-41	H,TR	R	53.5	73.3	19.8	101.0
Dekalb	DKL30-42	H,TR	R	52.5	71.3	18.8	100.0
Dekalb	DKL72-55	H,TR	MR	52.5	74.5	22.0	103.0
Dekalb	IS3057	H,TR	R	50.8	70.8	20.0	100.3
Dekalb	IS7145	H,TR	MR	54.5	75.0	20.5	100.8
DL Seeds Inc	30412-B6	H,TR	MR	53.8	76.3	22.5	102.8
DL Seeds Inc	30503-B6	H,TR	MR	53.8	76.5	22.8	104.0
DL Seeds Inc	30416-B6	H,TR	MR	54.8	77.3	22.5	104.0
DL Seeds Inc	30214-C7	H,TR	R	54.5	77.5	23.0	104.0
DL Seeds Inc	30216-C7	H,TR	R	55.0	77.0	22.0	104.0
DL Seeds Inc	30217-C7	H,TR	R	54.3	77.0	22.8	103.8
DL Seeds Inc	30408-C7	H,TR	R	52.8	76.8	24.0	104.3
DL Seeds Inc	30422-C7	H,TR	MR	53.3	73.8	20.5	104.5
DL Seeds Inc	30509-C7	Syn,TR	MR	52.8	76.0	23.3	103.0
DL Seeds Inc	H6195	H,TR	MR	54.8	76.8	22.0	103.3
DL Seeds Inc	H7385	H,TR	MR	51.8	72.0	20.3	100.0
Integra	IX08-7321R	H,TR	R	53.0	74.5	21.5	101.8
Integra	IX08-7121R	H,TR	R	52.8	73.8	21.0	102.0
Integra	IX08-7323R	H,TR	R	53.8	76.0	22.3	103.3
Monsanto	G72061	H,TR	R	54.8	75.5	20.8	101.8
Monsanto	G64034	H,TR	R	54.8	76.0	21.3	104.0
Monsanto	G75011	H,TR	R	52.5	74.0	21.5	100.5
Monsanto	G75449	H,TR	R	54.0	76.5	22.5	102.0
Monsanto	G67012	H,TR	R	52.5	72.8	20.3	101.3
Monsanto	G72021	H,TR	R	52.3	72.8	20.5	101.8
Monsanto	Z4409	H,TR	R	53.3	72.0	18.8	101.0
Monsanto	G72003	H,TR	T	53.0	72.5	19.5	101.0
Monsanto	DKL52-41Plus	Syn,TR	MR	52.5	73.8	21.3	102.8
Mycogen	G2X0022	OP, HO	R	58.8	79.5	20.8	106.5
Mycogen	G2X0023	OP, HO	R	56.3	77.3	21.0	104.5
Mycogen	G2X0024	OP, HO	R	56.5	77.3	20.8	105.5
Mycogen	G2X0039	OP, HO	R	57.3	79.5	22.3	105.0
Mycogen	G2X0043	OP, HO	R	55.8	77.0	21.3	104.0
Mycogen	G2X0044	OP, HO	R	55.3	76.5	21.3	104.8
Mycogen	G2X0054	OP, HO	R	55.0	77.3	22.3	104.3
Pioneer	45H26	H,TR	R	53.0	73.5	20.5	100.8
Pioneer	45H28	H,TR	R	53.0	72.5	19.5	104.5
Proseed	2066	H,TR	MR	54.5	77.5	23.0	102.5
Proseed	30 Caliber	Syn,TR	R	55.5	78.3	22.8	105.0
Proseed	50 Caliber	H,TR	R	52.3	76.3	24.0	102.8
Proseed	2030	H,TR	R	52.3	76.8	24.5	102.0
Mean				53.9	75.6	21.8	103.0
CV %				1.3	1.5	5.3	5.9
LSD 0.05				1.0	1.6	1.6	NS

Planting Date: May 8 ; Harvest Date: Sept. 12.

¹OP = Open Pollinated, H = Hybrid, Syn = Synthetic, TR = Traditional Oil Type, HO = High Oleic Oil Type.²Blackleg Rating: MR = Moderately Resistant, R = Resistant. Ratings are provided by the companies.

Table 6. 2008 Canola - Roundup Ready - Langdon. (cont.)

Company/Brand	Variety	Plant Height (inch)	Plant Lodge (0-9) ¹	Cover ² (%)	Oil Content (%)	Seed Yield			2-yr. Ave.	3-yr. Ave.
						2006	2007	2008 (lb/a)		
Brett Young	4414RR	43	0.0	84	45.2	--	2,718	2,638	2,678	--
Brett Young	6051RR	45	0.0	80	43.3	--	--	3,263	--	--
Brett Young	6235RR	47	0.0	78	44.0	--	--	3,418	--	--
Canterra	SWK5325RR	44	0.0	70	43.6	--	--	3,286	--	--
Canterra	1818 RR	40	0.8	45	43.8	1,693	2,240	3,090	2,665	2,341
Canterra	30507-B6	43	0.8	71	43.3	--	2,640	3,046	2,843	--
Cargill	V1035	43	0.3	86	45.5	2,394	2,606	3,460	3,033	2,820
Cargill	V1037	46	1.5	83	41.8	--	--	3,507	--	--
Cargill	V2010	44	0.5	65	42.2	2,158	2,866	3,019	2,942	2,681
Cargill	V2018	45	0.0	69	44.6	--	2,679	2,743	2,711	--
Cargill	V2030	46	0.0	81	44.9	--	--	3,464	--	--
Croplan	HyClass 410	44	0.8	78	42.0	--	2,527	3,329	2,928	--
Croplan	HyClass 712	44	0.0	80	42.7	1,969	2,942	3,043	2,992	2,651
Croplan	HyClass 906	46	0.0	93	42.2	2,274	2,523	3,592	3,058	2,796
Croplan	HyClass 906P	45	0.0	76	42.5	--	--	3,413	--	--
Croplan	HyClass 924	42	0.0	85	43.3	2,331	2,953	3,021	2,987	2,768
Croplan	HyClass 940	41	0.0	93	44.6	--	2,870	3,321	3,096	--
Dekalb	DKL52-41	42	0.0	78	43.9	--	3,016	3,004	3,010	--
Dekalb	DKL30-42	40	1.0	89	45.3	--	--	3,332	--	--
Dekalb	DKL72-55	42	1.0	70	45.7	--	--	3,502	--	--
Dekalb	IS3057	40	0.3	88	46.4	--	2,668	2,967	2,817	--
Dekalb	IS7145	42	0.0	76	46.6	2,168	2,728	2,736	2,732	2,544
DL Seeds Inc	30412-B6	43	0.3	55	43.0	--	2,660	2,922	2,791	--
DL Seeds Inc	30503-B6	46	0.0	56	42.0	--	2,291	3,472	2,881	--
DL Seeds Inc	30416-B6	46	0.3	53	43.2	--	2,380	3,371	2,876	--
DL Seeds Inc	30214-C7	47	0.0	63	42.3	--	--	3,313	--	--
DL Seeds Inc	30216-C7	46	0.0	70	42.9	--	--	3,014	--	--
DL Seeds Inc	30217-C7	47	1.0	63	43.8	--	--	3,357	--	--
DL Seeds Inc	30408-C7	42	0.3	66	45.4	--	--	3,428	--	--
DL Seeds Inc	30422-C7	43	1.3	60	41.3	--	--	3,129	--	--
DL Seeds Inc	30509-C7	45	0.8	75	42.7	--	--	3,636	--	--
DL Seeds Inc	H6195	46	0.0	69	43.0	--	--	2,565	--	--
DL Seeds Inc	H7385	42	0.5	69	44.0	--	--	2,821	--	--
Integra	IX08-7321R	43	0.5	76	44.4	--	--	2,836	--	--
Integra	IX08-7121R	42	1.5	81	42.0	--	--	3,518	--	--
Integra	IX08-7323R	45	0.0	68	43.3	--	--	3,092	--	--
Monsanto	G72061	43	0.5	75	44.0	--	--	3,263	--	--
Monsanto	G64034	45	0.8	95	44.4	--	--	3,780	--	--
Monsanto	G75011	41	0.0	64	43.8	--	--	2,613	--	--
Monsanto	G75449	41	0.0	79	42.6	--	--	2,972	--	--
Monsanto	G67012	41	0.3	78	47.3	--	--	3,062	--	--
Monsanto	G72021	40	0.3	79	48.3	--	--	3,051	--	--
Monsanto	Z4409	40	1.0	84	45.8	--	--	2,815	--	--
Monsanto	G72003	42	1.0	86	45.8	--	--	3,173	--	--
Monsanto	DKL52-41Plus	45	0.5	86	42.9	--	--	3,665	--	--
Mycogen	G2X0022	46	0.0	44	42.8	--	--	2,342	--	--
Mycogen	G2X0023	41	0.0	63	43.3	--	--	2,607	--	--
Mycogen	G2X0024	40	0.5	51	42.2	--	--	2,290	--	--
Mycogen	G2X0039	45	0.3	66	41.4	--	--	2,841	--	--
Mycogen	G2X0043	44	0.5	51	43.3	--	--	2,661	--	--
Mycogen	G2X0044	44	0.0	60	41.4	--	--	2,878	--	--
Mycogen	G2X0054	42	0.3	71	40.0	--	--	2,719	--	--
Pioneer	45H26	45	0.5	89	45.6	2,577	2,959	3,143	3,051	2,893
Pioneer	45H28	46	0.8	93	45.3	--	--	3,634	--	--
Proseed	2066	45	0.8	58	41.5	1,826	2,351	2,761	2,556	2,313
Proseed	30 Caliber	47	0.0	73	42.1	--	2,598	3,107	2,852	--
Proseed	50 Caliber	42	1.3	68	43.1	--	2,465	3,029	2,747	--
Proseed	2030	44	0.3	73	43.5	--	--	3,043	--	--
Mean		44	0.4	73	43.6	2,154	2,651	3,105	--	--
CV %		5.3	183.2	16.8	3.3	11.4	9.5	12.0	--	--
LSD 0.05		3.2	1.0	17.1	2.0	323	346	522	--	--

Planting Date: May 8; Harvest Date: Sept. 12.

¹0 = No lodging, 9 = Plants flat on the ground.

² Cover % - Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants at 5- to 6-leaf stage.

Table 7. 2008 Canola - Conventional, Liberty Link, Clearfield Varieties - Langdon. (part 1)

Company/Brand	Variety	Type ¹	Blackleg Rating ²	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
Bayer	InVigor 5440	H,LL,TR	R	54.8	75.5	20.8	101.8
Bayer	InVigor 5550	H,LL,TR	R	53.5	74.5	21.0	100.0
Bayer	InVigor 5630	H,LL,TR	R	54.8	76.8	22.0	101.8
Bayer	InVigor 8440	H,LL,TR	R	53.3	73.3	20.0	100.0
Bayer	953	H,LL,HO	NA	51.8	71.0	19.3	98.8
Canterra	30120-B6	H,CL,TR	MR	54.8	76.0	21.3	101.5
DL Seeds Inc	30423-C7	Syn,CL,TR	R	55.0	81.0	26.0	104.8
DL Seeds Inc	30522-C7	H,CL,TR	R	55.3	79.0	23.8	104.0
DL Seeds Inc	30611-C7	H,CL,TR	R	55.5	77.3	21.8	102.8
Mycogen	Nexera 830 CL	OP,CL,HO	R	56.3	80.5	24.3	105.8
Mycogen	Nexera 845 CL	OP,CL,HO	MR	54.0	70.0	16.0	102.0
Mycogen	DN051493	OP,CL,HO	R	57.5	81.3	23.8	104.5
Mycogen	DN051505	OP,CL,HO	R	55.5	73.8	18.3	101.8
Mycogen	DN051535	OP,CL,HO	R	56.0	74.8	18.8	100.0
Mycogen	DN051607	OP,CL,HO	R	56.0	74.0	18.0	102.0
Mycogen	DN051692	OP,CL,HO	R	56.8	77.8	21.0	102.8
Mycogen	DN051874	OP,CL,HO	R	56.3	77.3	21.0	105.0
Check ³	IS7145	H,RR,TR	R	54.3	76.3	22.0	99.5
Check ³	45H26	H,RR,TR	R	54.0	74.5	20.5	100.5
Mean				55.0	76.0	21.0	102.1
CV %				1.0	1.3	4.8	1.2
LSD 0.05				0.8	1.4	1.4	1.7

Planting Date: May 8; Harvest Date: Sept. 10.

¹OP = Open Pollinated, H = Hybrid, Syn = Synthetic, LL = Liberty Link, CL = Clearfield System, RR = Roundup Ready, TR = Traditional Oil type, HO = High Oleic Oil Type.²Blackleg Rating: MR = Moderately Resistant, R = Resistant, NA = not available.³Ratings provided by the company.³Roundup Ready check variety.**Table 7. 2008 Canola - Conventional, Liberty Link, Clearfield Varieties - Langdon. (part 2)**

Company/Brand	Variety	Plant Height	Cover ¹	Oil Content	Seed Yield				
					2006	2007	2008	2-yr. Ave.	3-yr. Ave.
		(inch)	(%)	(%)	------(lb/a)-----				
Bayer	InVigor 5440	43	83	40.8	--	3,178	2,814	2,996	--
Bayer	InVigor 5550	44	85	41.8	2,202	2,601	2,650	2,625	2,484
Bayer	InVigor 5630	42	75	40.6	2,061	2,667	2,762	2,714	2,497
Bayer	InVigor 8440	42	83	40.7	--	3,179	2,809	2,994	--
Bayer	953	42	89	40.7	--	--	2,973	--	--
Canterra	30120-B6	43	53	41.1	--	2,724	2,460	2,592	--
DL Seeds Inc	30423-C7	44	51	40.5	--	--	2,508	--	--
DL Seeds Inc	30522-C7	43	49	40.7	--	--	2,280	--	--
DL Seeds Inc	30611-C7	42	54	41.6	--	--	2,551	--	--
Mycogen	Nexera 830 CL	43	58	40.5	--	2,375	2,219	2,297	--
Mycogen	Nexera 845 CL	38	73	44.1	--	2,279	2,402	2,340	--
Mycogen	DN051493	45	46	43.3	--	--	2,135	--	--
Mycogen	DN051505	40	45	44.5	--	--	2,104	--	--
Mycogen	DN051535	43	55	44.0	--	--	2,253	--	--
Mycogen	DN051607	41	48	43.4	--	--	2,148	--	--
Mycogen	DN051692	40	46	40.4	--	--	1,929	--	--
Mycogen	DN051874	41	41	45.2	--	--	2,182	--	--
Check ³	IS7145	41	68	43.3	--	2,596	2,729	2,663	--
Check ³	45H26	41	74	42.9	--	--	2,735	--	--
Mean		42	62	42.1	2,132	2,700	2,455	--	--
CV %		4.3	11.6	3.1	17.1	7.2	10.5	--	--
LSD 0.05		2.6	10.1	1.8	377	258	367	--	--

Planting Date: May 8; Harvest Date: Sept. 10.

¹Cover % - Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor.

Plants were at 6- to 7-leaf stage.

Table 8. 2008 Canola Variety Trial – Roundup Ready - North Central Research Extension Center - Minot.

Company/Brand	Variety	Type ¹	Black Leg ²	Days	Days	Mature	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield	
				to 10% Flower	to 90% Flower						(DAP) ³	(inch)
Brett Young	4362RR	H,TR	MR	47	63	87	43	3.7	50.9	40.5	3,465	--
Brett Young	4414RR	H,TR	R	47	64	88	47	3.4	50.8	41.7	3,576	--
Brett Young	6051RR	H,TR	MR	49	65	89	48	3.3	51.2	40.9	3,383	--
Brett Young	6235RR	H,TR	MR	49	64	89	46	3.1	51.7	41.6	3,315	--
Canterra	30507-B6	H,TR	MR	49	63	88	47	3.8	50.4	42.0	3,587	--
Canterra	SWK5325 RR	H,TR	MR	49	64	89	44	3.6	50.6	41.4	3,630	--
Canterra	1818RR	OP,TR	R	48	64	89	38	3.3	50.2	41.5	3,100	2,474
Cargill	04H272	H,HO	MR	51	64	87	46	3.8	50.7	42.4	3,220	--
Cargill	V1035	H,HO	R	49	63	87	46	3.7	50.4	41.5	3,918	--
Cargill	V1037	H,HO	R	51	63	89	48	3.8	50.5	41.0	3,564	--
Cargill	V2010	H,HO	MR	52	65	89	47	3.6	50.5	40.0	3,161	--
Cargill	V2018	H,HO	MR	51	64	88	43	3.7	49.9	38.7	3,249	--
Croplan	HyClass 410	Syn	R	49	64	88	46	3.6	51.0	41.6	3,769	--
Croplan	HyClass 712	Syn	R	51	65	90	48	3.4	50.7	40.6	3,960	3,330
Croplan	HyClass 906	H,TR	R	50	64	89	47	3.6	49.9	41.4	3,885	2,959
Croplan	HyClass 906P	H,TR	R	49	64	88	45	3.7	49.7	40.7	3,484	--
Croplan	HyClass 924	H,TR	R	47	64	86	44	3.5	51.6	40.6	3,482	
Croplan	HyClass 940	H,TR	R	47	62	87	46	3.8	50.7	40.7	3,875	
Croplan	Rugby	OP,TR	R	49	64	89	44	3.4	51.3	41.4	3,442	--
Dekalb	DKL30-42	H,TR	R	46	61	86	42	4.0	51.6	43.2	3,903	--
Dekalb	DKL52-41	H,TR	R	48	63	87	46	3.7	50.6	39.9	4,042	--
Dekalb	DKL72-55	H,TR	R	48	63	89	46	3.9	51.8	42.6	4,065	--
Dekalb	IS3057	H,TR	R	47	62	86	44	3.2	49.9	42.4	4,029	
Dekalb	IS7145	H,TR	MR	49	63	87	45	3.5	51.6	42.6	3,643	
DL Seeds Inc	30214-C7	H,TR	R	50	64	89	47	3.8	51.3	40.7	3,763	--
DL Seeds Inc	30216-C7	H,TR	R	50	64	88	45	3.5	49.5	41.3	3,699	--
DL Seeds Inc	30217-C7	H,TR	R	50	64	88	46	3.5	50.3	42.1	3,621	--
DL Seeds Inc	30408-C7	H,TR	R	47	64	90	44	3.7	50.8	42.3	4,022	--
DL Seeds Inc	30412-B6	H,TR	MR	49	63	88	43	3.3	50.6	41.7	3,328	--
DL Seeds Inc	30416-B6	H,TR	MR	49	64	87	43	3.2	50.8	42.0	3,206	--
DL Seeds Inc	30422-C7	H,TR	MR	49	62	88	46	3.6	51.0	39.3	3,667	--
DL Seeds Inc	30503-B6	H,TR	MR	48	64	88	44	3.3	49.4	41.3	3,358	--
DL Seeds Inc	30509-C7	Syn	MR	48	63	88	46	3.3	49.3	41.2	3,538	--
DL Seeds Inc	H6195	H,TR	MR	49	65	89	46	3.8	50.6	39.3	3,780	--
DL Seeds Inc	H7385	H,TR	MR	46	62	87	42	3.5	51.2	42.1	3,827	--
Integra	IX08-7121R	H,TR	R	47	63	87	43	3.9	50.9	40.0	3,463	
Integra	IX08-7321R	H,TR	R	48	63	86	45	3.3	50.6	41.5	3,486	
Integra	IX08-7323R	H,TR	R	50	64	89	47	3.2	49.4	40.5	3,722	--
Monsanto	G64034	H,TR	R	50	64	89	45	3.5	50.7	41.5	4,003	--
Monsanto	G67012	H,TR	R	47	63	88	43	3.9	51.6	43.3	3,804	--
Monsanto	G72003	H,TR	R	48	63	88	46	3.8	51.0	41.4	3,909	--
Monsanto	G72021	H,TR	R	47	63	88	43	3.9	51.0	44.9	4,145	--
Monsanto	G72061	H,TR	R	49	63	88	45	3.3	49.4	41.1	3,538	--
Monsanto	G75011	H,TR	R	48	64	87	45	3.8	49.7	40.3	3,450	--
Monsanto	G75449	H,TR	R	48	63	87	43	3.6	51.3	40.5	3,641	--
Monsanto	Z4409	H,TR	R	48	63	86	45	3.7	51.8	42.2	3,770	--

Table 8. 2008 Canola Variety Trial – Roundup Ready - North Central Research Extension Center - Minot. (cont.)

Company/Brand	Variety	Type ¹	Black Leg ²	Days	Days	Mature	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield	
				to 10% Flower (DAP) ³	to 90% Flower (DAP) ³						2008	3-yr. Ave.
Mycogen	G2X0022	OP,HO	R	52	66	90	46	2.7	51.4	43.7	3,231	--
Mycogen	G2X0023	OP,HO	R	51	65	89	43	2.9	49.5	41.1	3,694	--
Mycogen	G2X0024	OP,HO	R	51	65	89	43	3.0	38.6	42.9	2,586	--
Mycogen	G2X0039	OP,HO	R	51	65	89	44	2.8	50.0	42.3	3,341	--
Mycogen	G2X0043	OP,HO	R	51	65	90	45	3.0	49.5	41.9	3,570	--
Mycogen	G2X0044	OP,HO	R	51	64	89	46	2.6	50.3	41.0	3,383	--
Mycogen	G2X0054	OP,HO	R	51	64	89	43	2.8	50.3	41.5	3,469	--
Pioneer	45H21	H,TR	R	48	63	87	46	3.5	50.2	41.5	3,690	3,162
Pioneer	45H26	H,TR	R	49	62	87	45	3.2	51.0	42.0	3,697	3,440
Pioneer	45H28	H,TR	R	50	63	88	48	3.1	50.7	43.2	3,621	--
Proseed	2030	H,TR	NA	47	64	89	44	3.5	51.0	40.2	3,657	--
Proseed	2066	H,TR	MR	50	65	88	45	3.8	49.4	40.9	3,285	--
Proseed	30 Caliber	Syn,TR	R	51	65	90	45	3.6	50.7	41.5	3,296	--
Proseed	50 Caliber	H,TR	R	46	64	88	44	3.3	51.0	40.7	3,184	--
Mean				49	64	88	45	3.5	50.4	41.4	3,587	--
CV %				2.0	1.3	1.3	5.6	5.2	6.7	2.4	10.7	--
LSD 0.05				1	1	2	3.5	0.3	NS	1	534	--

Table 9. 2008 Canola Variety Trial - Conventional - North Central Research Extension Center - Minot.

Company/Brand	Variety	Type ¹	Black Leg ²	Days	Days	Plant Height	Seed Weight	Test Weight	Oil Content	Seed Yield		
				to 10% Flower (DAP) ³	to 90% Flower (DAP) ³					2008	2-yr. Ave.	3-yr. Ave.
Bayer	InVigor 5440	H, LL, TR	R	50	64	48	3.2	51.5	43.0	3,673	2,578	--
Bayer	InVigor 5630	H, LL, TR	R	50	65	46	3.6	50.6	43.5	3,422	2,716	3,003
Bayer	InVigor 5550	H, LL, TR	R	48	65	51	3.4	52.0	42.8	3,358	2,874	2,973
Bayer	InVigor 8440	H, LL, TR	R	49	63	45	3.4	49.8	43.1	3,529	2,661	--
Bayer	953	H, LL, HO	NA	47	62	44	3.3	50.7	43.9	3,351	--	--
Canterra	30120-B6	H, CL, TR	MR	50	64	46	3.2	50.4	42.7	3,043	2,758	--
Croplan	Freedom 84S01	Syn, LL, TR	MR	47	64	44	3.7	51.0	43.4	3,128	2,598	--
DL Seeds Inc	30423-C7	Syn, CL, TR	R	50	64	45	3.4	50.5	43.6	3,109	--	--
DL Seeds Inc	30522-C7	H, CL, TR	R	50	65	48	3.1	49.9	43.5	3,071	--	--
DL Seeds Inc	30611-C7	H, CL, TR	R	50	64	47	3.0	51.4	44.3	3,112	--	--
Mycogen	DN051493	OP, CL, HO	R	52	65	49	3.5	51.0	44.0	2,444	--	--
Mycogen	DN051505	OP, CL, HO	R	51	64	45	3.4	51.2	44.6	2,404	--	--
Mycogen	DN051535	OP, CL, HO	R	51	65	46	2.9	51.3	43.4	2,522	--	--
Mycogen	DN051607	OP, CL, HO	R	50	64	44	3.5	51.7	44.9	2,642	--	--
Mycogen	DN051692	OP, CL, HO	R	51	64	45	3.2	51.0	44.5	2,597	--	--
Mycogen	DN051874	OP, CL, HO	R	52	66	44	3.4	51.4	45.6	2,655	--	--
Mycogen	Nexera 830 CL	OP, CL, HO	R	51	65	46	3.5	52.0	43.2	2,723	2,364	--
Mycogen	Nexera 845 CL	OP, CL, HO	MR	48	62	43	4.2	51.4	44.7	2,940	--	--
Mean				50	64	46	3.4	51.0	43.8	2,984	--	--
CV %				1.8	1.0	4.7	4.6	0.5	1.2	11.2	--	--
LSD 0.05				1	1	3	0.2	0.4	0.8	470	--	--

¹OP = Open Pollinated, H = Hybrid, Syn = Synthetic, LL = Liberty Link, CL = Clearfield System, TR = Traditional Oil Type, HO = High Oleic Oil Type.

²Blackleg: R = resistant, MR = moderately resistant. Blackleg rating provided by company.

³DAP = Days after planting.

Table 10. 2008 Canola Variety Trial Results Averaged Over Six North Dakota Locations (Prosper, Langdon, Carrington, Rugby, Williston, Hettinger).

Company/Brand	Variety	Days to Flower	Days to PM ¹	Plant Height	Oil Content	Protein Content	Seed Yield
		(days)	(days)	(inch)	(%)	(%)	(lb/a)
Dekalb	DKL72-55	50	93	39.4	43.3	25.9	1,833
Dekalb	KDL52-41	51	91	39.8	41.8	27.5	1,817
Dekalb	DKL30-42	49	89	34.6	42.8	26.3	1,793
Interstate	Interstate 71-45	52	92	37.4	42.5	26.7	1,779
Monsanto	MAT-3	50	93	37.8	42.6	26.3	1,773
Mean		50	92	37.8	42.6	26.5	1,799
LSD 0.05		0.7	2.16	2.8	0.62	0.61	291

Table 11. 2008 Roundup Ready Canola Variety Trial – Williston Research Extension Center.

Company/Brand	Variety	Days to Flower	Flower Duration	Plant Height	Test Weight	Oil Content	Seed Yield
		(DAP) ²	(days)	(inch)	(lb/bu)	(%)	(lb/a)
Brett Young	4362RR	68.0	15.3	30.3	51.8	37.1	303
Brett Young	6051RR	68.3	17.3	26.3	49.7	39.5	368
Brett Young	6235RR	68.8	16.5	30.8	50.8	39.9	358
Croplan	HyClass 410	69.0	16.3	30.0	49.6	38.5	344
Croplan	HyClass 924	67.0	16.5	25.3	50.9	37.3	268
Croplan	HyClass 940	68.0	16.3	27.3	51.4	39.2	405
Dekalb	IS7145	69.5	12.0	24.8	47.9	39.3	185
Dekalb	IS3057	65.8	16.3	22.7	52.1	31.7	270
Dekalb	DKL52-41	66.5	15.0	25.1	51.3	38.7	248
Dekalb	DKL30-42	66.5	16.3	23.9	52.1	37.9	274
Dekalb	DKL72-55	68.3	15.8	27.6	50.8	39.4	341
Interstate	Hyola 357 Magnum RR	65.3	18.5	25.8	50.6	39.0	466
Monsanto	G67012	67.3	17.3	29.5	51.3	40.0	393
Monsanto	G72021	66.3	15.8	22.8	51.8	39.7	304
Monsanto	G72061	69.8	13.5	21.5	49.9	39.7	251
Monsanto	G64034	69.3	14.3	23.4	51.3	39.2	306
Monsanto	G75011	67.8	14.5	24.7	51.9	37.5	295
Monsanto	G75449	68.8	15.5	26.6	48.3	38.4	369
Monsanto	Z4409	67.8	14.8	28.9	52.1	40.1	412
Monsanto	G72003	68.0	13.5	29.0	51.3	39.2	248
Mean		67.8	15.6	26.3	50.8	38.6	320
CV %		0.9	10.1	16.2	2.9	5.9	31.9
LSD 0.05		0.8	2.2	NS	NS	NS	145

Table 12. 2008 Conventional Canola Variety Trial – Williston Research Extension Center.

Company/Brand	Variety	Days to Flower	Flower Duration	Plant Height	Test Weight	Oil Content	Seed Yield
		(DAP) ²	(days)	(inch)	(lb/bu)	(%)	(lb/a)
Croplan	Freedom 8 4S01LL	68.0	18.8	26.3	50.3	39.4	363
Interstate	Hyola 357 Magnum	66.0	19.8	25.7	49.9	39.4	457
Interstate	Hyola 401	67.3	18.8	25.4	51.1	38.9	427
Interstate	Hyola 420	67.3	21.3	30.4	50.2	41.0	412
Interstate	Hyola 440	69.0	19.0	35.7	50.5	41.2	504
Interstate	Hyola 357 Magnum RR	67.8	22.5	25.5	49.2	39.8	242
Mean		67.6	20.0	28.2	50.2	40.0	401
CV %		1	6.3	10.8	0.5	1.2	22
LSD 0.05		1	1.9	4.6	0.6	1.2	133

Planting Date: April 18 into harrowed durum stubble. Harvest Date: Aug. 6, 2008.

¹PM = Physiological Maturity. ² DAP = Days after planting.

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