

**NDSU Langdon Research Extension Center
2016 Variety Trial**

Canola - Roundup Ready - 2016- Table 1

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Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
BrettYoung	6056 RR	TR	CA	Yes	R	45	67	22	94
BrettYoung	6074 RR	TR	CA	No	R	45	67	22	95
BrettYoung	6076 RR	TR	CA	Yes	R	47	68	21	95
BrettYoung	6080 RR	TR	CA	No	R	44	67	23	92
BrettYoung	6086CR	TR	CA	Yes	R	46	67	21	95
BrettYoung	BY15-754	TR	Exp	No	R	45	66	22	92
BrettYoung	BY16-068	TR	Exp	Yes	R	47	67	21	95
BrettYoung	BY16-768	TR	Exp	No	R	45	68	23	93
Canterra	CS2000	TR	CA	Yes	R	48	67	20	96
Canterra	CS2100	TR	CA	No	R	44	67	23	92
Cargill	V12-1	HO	CA	No	R	48	67	20	95
Cargill	V12-3	HO	CA	Yes	R	46	67	21	94
Cargill	V22-1	HO	CA	No	R	47	67	20	94
Croplan	HyCLASS 930	TR	CA	No	R	42	62	20	90
Croplan	HyCLASS 955	TR	CA	Yes	R	42	64	22	90
Croplan	HyCLASS 970	TR	CA	No	R	44	66	22	92
Croplan	HyCLASS 972	TR	CA	No	R	46	68	22	93
Dekalb	DKL30-20RR	TR	CA	No	R	41	62	21	90
Dekalb	DKL38-48RR	TR	CA	No	MR	42	65	23	90
Dekalb	DKL70-07RR	TR	CA	No	R	44	67	23	91
Dekalb	DKL70-10RR	TR	CA	No	R	44	65	22	90
Dekalb	DKL70-50CR	TR	CA	Yes	R	43	67	24	91
Dekalb	DKL71-14BL	TR	CA	No	R	42	64	22	91
DL Seeds	H1509	TR	Exp	No	R	45	66	21	92
DL Seeds	H1614	TR	Exp	No	R	43	66	23	92
Dyna-Gro	DG531G	TR	CA	No	R	45	67	23	92
Dyna-Gro	DG533G	TR	CA	No	R	44	67	23	93
Integra	7150RR	TR	CA	No	R	43	64	21	92
Integra	7257RR	TR	CA	No	R	44	65	22	90
Mycogen	1012RR	HO	CA	No	R	48	68	20	96
Mycogen	1020RR	HO	CA	Yes	MR	47	68	21	95
Mycogen	1022RR	HO	CA	No	R	48	68	20	95
Mycogen	G5428584H	HO	Exp	Yes	R	46	67	22	92
Nuseed	GT50	TR	Exp	No	R	46	68	22	94
Nuseed	NCH13G046	TR	Exp	No	R	49	71	22	97

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Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
Pioneer	45CS40	TR	CA	Yes	R	45	66	21	92
Pioneer	46M34	TR	CA	No	MR	45	68	22	93
Proseed	300 Mag	TR	CA	No	R	44	66	22	91
Proseed	PS 5000	TR	CA	Yes	R	46	68	22	93
Pioneer	45H33	TR	CA	Yes	R	45	68	23	92
Star	Star 402	TR	CA	No	R	43	65	22	91
Trial Mean						45	67	22	93
C.V. %						2.2	1.9	6.5	1.2
LSD 5%						1.4	1.8	2.0	1.6
LSD 10%						1.2	1.5	1.7	1.3

Planting Date: May 16. Harvest Date: August 30

¹All varieities are Hybrids. TR-Traditional Oil Type, HO-High Oleic Oil Type

²Status: CA-Commercially available, EXP-Experimental

³ Has clubroot resistance gene.

⁴Blackleg rating provided by the companies.

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Company	Variety	Plant Ht	Lodging	Cover ²	Oil ¹	Yield ¹			Ave. Yield	
						2014	2015	2016	2	3
						-----lbs/a-----			year	year
BrettYoung	6056 RR	42	4.4	78	47.3	3256	3372	2280	2826	2969
BrettYoung	6074 RR	45	3.7	92	46.1	--	3721	2679	3200	--
BrettYoung	6076 RR	49	4.9	75	45.2	--	--	2727	--	--
BrettYoung	6080 RR	45	4.1	94	46.9	--	--	2791	--	--
BrettYoung	6086CR	44	5.7	77	48.2	--	--	2687	--	--
BrettYoung	BY15-754	47	4.9	70	47.7	--	--	2491	--	--
BrettYoung	BY16-068	48	4.4	78	48.0	--	--	2598	--	--
BrettYoung	BY16-768	44	5.2	66	48.9	--	--	2189	--	--
Canterra	CS2000	48	4.8	69	46.4	--	--	2529	--	--
Canterra	CS2100	44	5.2	77	49.3	--	--	2752	--	--
Cargill	V12-1	45	4.8	84	46.7	3463	3409	2697	3053	3190
Cargill	V12-3	46	4.7	95	47.1	--	--	2865	--	--
Cargill	V22-1	45	5.5	86	46.3	--	3244	2540	2892	--
Croplan	HyCLASS 930	39	5.8	84	52.0	3424	3601	2910	3255	3312
Croplan	HyCLASS 955	38	5.5	81	51.9	3337	3848	2717	3282	3301
Croplan	HyCLASS 970	44	4.5	77	49.2	--	3471	2938	3205	--
Croplan	HyCLASS 972	44	4.3	68	46.9	--	3588	2409	2999	--
Dekalb	DKL30-20RR	44	4.4	89	50.4	--	--	2960	--	--
Dekalb	DKL38-48RR	40	5.1	85	48.4	3334	3055	2503	2779	2964
Dekalb	DKL70-07RR	40	5.4	74	49.7	3291	3478	2495	2986	3088
Dekalb	DKL70-10RR	41	5.0	80	49.2	--	3759	2917	3338	--
Dekalb	DKL70-50CR	45	5.2	88	48.4	3555	3357	2600	2979	3171
Dekalb	DKL71-14BL	41	5.2	90	50.6	--	--	3156	--	--
DL Seeds	H1509	43	5.9	70	48.3	--	3640	2431	3035	--
DL Seeds	H1614	40	4.7	82	48.5	--	--	2644	--	--
Dyna-Gro	DG531G	42	3.5	79	48.8	--	--	2677	--	--
Dyna-Gro	DG533G	44	2.9	80	47.8	--	--	2579	--	--
Integra	7150RR	41	5.7	72	50.7	3138	3781	2653	3217	3191
Integra	7257RR	39	5.6	69	49.8	--	--	2711	--	--
Mycogen	1012RR	45	5.5	65	46.9	3237	3208	2421	2815	2955
Mycogen	1020RR	45	5.1	71	46.8	--	3596	2362	2979	--
Mycogen	1022RR	46	3.0	65	46.4	--	3174	2254	2714	--
Mycogen	G5428584H	44	3.8	82	47.7	--	--	2611	--	--
Nuseed	GT50	42	5.8	54	43.4	--	--	2070	--	--
Nuseed	NCH13G046	41	6.4	40	41.0	--	--	1824	--	--

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Company	Variety	Plant Ht in	Lodging 0-9	Cover ² %	Oil ¹ %	Yield ¹			Ave. Yield	
						2014	2015	2016	2	3
						-----lbs/a-----			year	year
Pioneer	45H33	44	5.3	81	48.4	--	3936	2893	3414	--
Pioneer	45CS40	44	4.6	88	47.9	--	--	2735	--	--
Pioneer	46M34	42	5.8	80	48.1	--	--	2561	--	--
Proseed	300 Mag	42	4.8	77	48.9	3330	3618	2549	3083	3166
Proseed	PS 5000	46	4.9	82	46.1	--	3747	2518	3133	--
Star	Star 402	41	4.9	69	52.9	3600	3749	2649	3199	3333
Trial Mean		43	5.0	77	48.2	3169	3606	2584	--	--
C.V. %		6.3	15.9	12.9	2.6	7.2	7.3	10.1	--	--
LSD 5%		3.8	1.1	13.8	1.8	322	367	367	--	--
LSD 10%		3.2	0.9	11.6	1.5	269	308	307	--	--

¹ - 8.5% Moisture.

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