

NDSU Langdon Research Extension Center
2015 Variety Trial Data

Canola - Roundup Ready - 2015- Table 1 **Page 1** **Langdon**

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
BrettYoung	6056 CR	TR	CA	Yes	49	73	24	96
BrettYoung	6064 RR	TR	CA	No	49	71	23	96
BrettYoung	6070 RR	TR	CA	No	47	69	22	95
BrettYoung	6074 RR	TR	CA	No	49	73	24	97
BrettYoung	6080 RR	TR	EXP	No	48	70	22	93
Cargill	VICTORY V12-1	HO	CA	No	50	71	21	95
Cargill	VICTORY V22-1	HO	CA	No	52	72	21	95
Croplan	HyCLASS 930	TR	CA	No	45	66	21	91
Croplan	HyCLASS 955	TR	CA	Yes	46	67	21	91
Croplan	HyCLASS 970	TR	CA	No	48	70	23	93
Croplan	HyCLASS 972	TR	CA	No	48	72	24	93
Dekalb	74-44BL	TR	EXP	No	47	67	20	92
Dekalb	DKL38-48	TR	CA	No	47	68	21	92
Dekalb	DKL70-07	TR	CA	No	47	68	21	92
Dekalb	DKL70-10	TR	CA	No	47	68	21	91
Dekalb	DKL70-50CR	TR	CA	Yes	48	70	22	93
Dekalb	G28101	TR	EXP	No	47	66	19	91
Dekalb	G32176	TR	EXP	No	49	72	24	95
Dekalb	G35153	TR	EXP	No	46	66	20	90
Dekalb	G49641	TR	EXP	No	47	68	21	92
Dekalb	G49720	TR	EXP	No	48	68	20	91
Dekalb	G49733	TR	EXP	No	47	66	19	91
Dekalb	G49735	TR	EXP	No	46	67	21	92
Dekalb	G49738	TR	EXP	No	47	66	19	90
Dekalb	G49741	TR	EXP	No	47	66	20	91
DL Seeds	H1508	TR	EXP	No	49	73	25	97
DL Seeds	H1509	TR	EXP	No	47	68	21	92
DL Seeds	H1510	TR	EXP	No	50	73	23	95
Integra	7150RR	TR	CA	No	45	65	20	92
Integra	7156RR	TR	CA	No	46	68	22	91
Mycogen Seeds	Nexera 1012 RR	HO	CA	No	53	75	22	96
Mycogen Seeds	Nexera 1020 RR	HO	CA	No	51	73	22	94
Mycogen Seeds	Nexera 1022 RR	HO	CA	No	52	74	22	96
P3 Hybrids	P3H13005	TR	EXP	No	46	69	23	92
Pioneer	45H31	TR	CA	No	48	69	21	93
Pioneer	45H33	TR	CA	Yes	48	68	21	92
Proseed	300 Mag	TR	CA	No	47	68	22	93

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Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
							days	
Proseed	44 Mag	TR	CA	No	48	71	22	93
Proseed	PS 5000	TR	CA	Yes	48	70	22	95
Star Specialty Seed	Star 402	TR	CA	No	46	67	20	93
Trial Mean					48	69	22	93
C.V. %					1.8	2.1	5.7	1.5
LSD 5%					1.2	2.0	1.7	2.0
LSD 10%					1.0	1.7	1.4	1.6

Planting Date: May 12. Harvest Date: August 31

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

Blackleg Rating: All Hybrids were listed as R-Resistant.

Ratings are provided by the companies.

²Status: CA-Commercially available, EXP-Experimental

³ Has clubroot resistance gene.

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Company	Variety	Plant				Yield ¹			Ave. Yield	
		Ht	Lodging	Cover ²	Oil ¹	2013	2014	2015	2	3
		in	0-9	%	%	-----lbs/a-----				
BrettYoung	6056 CR	49	0.3	73	47.0	--	3256	3372	3314	--
BrettYoung	6064 RR	49	0.3	80	49.1	--		3754	--	--
BrettYoung	6070 RR	47	1.3	83	48.4	3504	3158	3735	3447	3466
BrettYoung	6074 RR	48	0.0	75	47.6	--	--	3721	--	--
BrettYoung	6080RR	49	0.3	80	48.5	--	--	3608	--	--
Cargill	VICTORY V12-1	49	0.8	73	47.6	3938	3463	3409	3436	3603
Cargill	VICTORY V22-1	50	0.5	70	47.3	--	--	3244	--	--
Croplan	HyCLASS 930	47	1.8	75	52.4	3781	3424	3601	3512	3602
Croplan	HyCLASS 955	44	0.8	83	51.3	3481	3337	3848	3592	3555
Croplan	HyCLASS 970	48	0.3	69	50.1	--	--	3471	--	--
Croplan	HyCLASS 972	44	0.0	68	48.4	--	--	3588	--	--
Dekalb	74-44BL	46	2.0	76	50.8	--	--	3583	--	--
Dekalb	DKL38-48	44	1.0	70	48.1	3280	3334	3055	3195	3223
Dekalb	DKL70-07	47	1.0	75	50.8	3433	3291	3478	3385	3401
Dekalb	DKL70-10	46	0.8	74	48.1	--	--	3759	--	--
Dekalb	DKL70-50CR	47	1.0	79	48.4	--	3555	3357	3456	--
Dekalb	G28101	45	0.8	74	50.9	--	--	3697	--	--
Dekalb	G32176	47	1.0	68	48.0	--	--	3614	--	--
Dekalb	G35153	43	1.0	80	49.4	--	--	3751	--	--
Dekalb	G49641	46	0.8	74	47.1	--	--	3647	--	--
Dekalb	G49720	49	0.8	78	48.1	--	--	3647	--	--
Dekalb	G49733	45	1.0	78	50.2	--	--	3908	--	--
Dekalb	G49735	45	1.5	83	50.1	--	--	3618	--	--
Dekalb	G49738	45	0.8	78	49.7	--	--	3915	--	--
Dekalb	G49741	45	1.3	75	49.3	--	--	3781	--	--
DL Seeds	H1508	50	0.3	73	45.8	--	--	3470	--	--
DL Seeds	H1509	50	0.3	70	48.4	--	--	3640	--	--
DL Seeds	H1510	50	0.5	70	46.9	--	--	3476	--	--
Integra	7150RR	43	2.0	74	51.0	3310	3138	3781	3460	3410
Integra	7156RR	42	1.3	79	46.5	--	--	3814	--	--
Mycogen Seeds	Nexera 1012 RR	59	0.0	74	45.2	3514	3237	3208	3222	3320
Mycogen Seeds	Nexera 1020 RR	47	0.0	80	47.2	--	--	3596	--	--
Mycogen Seeds	Nexera 1022 RR	51	0.0	64	47.0	--	--	3174	--	--
P3 Hybrids	P3H13005	47	1.0	73	46.2	--	--	3742	--	--
Pioneer	45H31	46	0.3	78	48.8	--	--	3831	--	--
Pioneer	45H33	48	0.8	86	48.5	--	--	3936	--	--
Proseed	300 Mag	44	1.5	69	49.5	3305	3330	3618	3474	3418

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Company	Variety	Plant Ht	Lodging	Cover ²	Oil ¹	Yield ¹			Ave. Yield	
						2013	2014	2015	2	3
		in	0-9	%	%	-----lbs/a-----				
Proseed	44 Mag	46	0.8	68	49.3	3485	2857	3487	3172	3276
Proseed	PS 5000	48	0.8	74	48.0	--	--	3747	--	--
Star Specialty Seed	Star 402	43	1.3	68	52.1	3545	3600	3749	3674	3631
Trial Mean		47	0.8	74	48.8	3358	3169	3606	--	--
C.V. %		8.1	83.2	13.2	1.7	9.8	7.2	7.3	--	--
LSD 5%		5.3	0.9	13.7	1.1	465	322	367	--	--
LSD 10%		4.4	0.8	11.4	1.0	390	269	308	--	--

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.