

**NDSU Langdon Research Extension Center
2014 Variety Trial**

Canola - Roundup Ready - 2014- Table 1 **Langdon**

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
							days	
Brett Young	6044 RR	TR	CA	No	46	64	18	90
Brett Young	6056 CR	TR	CA	Yes	44	63	19	89
Brett Young	6070 RR	TR	CA	No	41	62	21	88
Cargill	V12-1	HO	CA	No	46	64	18	89
Cargill	09H7757	TR	CA	No	46	64	18	90
Cargill	08H0004	HO	EXP	No	48	67	18	94
Cargill	09H7763	TR	EXP	No	44	62	17	88
Croplan	HyCLASS 930	TR	CA	No	40	61	20	85
Croplan	HyCLASS 955	TR	CA	Yes	42	60	19	85
Croplan	HyCLASS 969	TR	CA	No	44	61	18	86
Dekalb	DKL30-03	TR	CA	No	39	60	21	83
Dekalb	DKL30-42	TR	CA	No	40	61	21	84
Dekalb	DKL38-48	TR	CA	No	43	61	18	85
Dekalb	DKL55-55	TR	CA	No	41	60	20	84
Dekalb	DKL70-07	TR	CA	No	42	61	19	85
Dekalb	74-54RR	TR	EXP	Yes	42	62	20	85
DL Seeds	13DL30507	TR	CA	No	46	63	18	88
Integra	7150	TR	CA	No	40	60	20	85
Mycogen Seeds	Nexera 1012 RR	HO	CA	No	47	66	19	89
Mycogen Seeds	Nexera 1016 RR	HO	CA	No	45	63	18	88
Mycogen Seeds	G2537367H	HO	EXP	Yes	46	65	19	89
Proseed	44 Mag	TR	CA	No	43	62	19	87
Proseed	300 Mag	TR	CA	No	42	61	19	87
Star Specialty Seed	Star 402	TR	CA	No	41	60	19	85
Trial Mean					43	62	19	87
C.V. %					1.7	1.7	5.7	1.2
LSD 10%					0.8	1.3	1.2	1.2
LSD 5%					1.0	1.5	1.5	1.4

Planting Date: May 22. Harvest Date: Sept 3

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

Blackleg Rating: All Hybrids were listed as R=Resistant, except Dekalb 38-48 which is MR.

Ratings are provided by the companies.

²Status: CA-Commercially available, EXP-Experimental

³ Has clubroot resistance gene.

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Canola - Roundup Ready - 2014 - Table 2								Langdon	
Company	Variety	Plant			Yield ¹			Ave. Yield	
		Ht in	Cover ² %	Oil ¹ %	2012	2013	2014	2 year	3 year
Brett Young	6044 RR	44	80	42.1	--	--	3140	--	--
Brett Young	6056 CR	46	82	42.9	--	--	3256	--	--
Brett Young	6070 RR	46	82	42.9	2123	3504	3158	3331	2928
Cargill	V12-1	45	86	41.7	2236	3938	3463	3700	3212
Cargill	09H7757	46	83	42.2	--	--	3339	--	--
Cargill	08H0004	48	79	41.3	--	--	3354	--	--
Cargill	09H7763	45	81	43.8	--	--	3185	--	--
Croplan	HyCLASS 930	40	80	46.1	2280	3781	3424	3603	3162
Croplan	HyCLASS 955	41	84	45.0	2286	3481	3337	3409	3035
Croplan	HyCLASS 969	42	79	45.1	--	3426	3067	3247	--
Dekalb	DKL30-03	39	82	44.6	--	--	2360	--	--
Dekalb	DKL30-42	37	83	43.9	2413	3336	2783	3060	2844
Dekalb	DKL38-48	42	82	43.4	--	3280	3334	3307	--
Dekalb	DKL55-55	42	82	44.4	2269	3248	3173	3210	2897
Dekalb	DKL70-07	44	83	44.4	2314	3433	3291	3362	3013
Dekalb	74-54RR	44	83	44.0	--	--	3555	--	--
DL Seeds	13DL30507	45	74	43.9	--	--	2828	--	--
Integra	7150	40	79	45.4	2177	3310	3138	3224	2875
Mycogen Seeds	Nexera 1012 RR	52	83	40.8	2275	3514	3237	3376	3009
Mycogen Seeds	Nexera 1016 RR	47	79	41.0	1897	3407	2937	3172	2747
Mycogen Seeds	G2537367H	48	79	40.4	--	--	3018	--	--
Proseed	44 Mag	40	73	43.5	--	3485	2857	3171	--
Proseed	300 Mag	43	82	44.3	2257	3305	3330	3317	2964
Star Specialty Seed	Star 402	43	81	46.7	2168	3545	3600	3572	3104
Trial Mean		44	81	43.6	2099	3358	3169	--	--
C.V. %		5.6	3.6	2.2	8.6	9.8	7.2	--	--
LSD 10%		2.9	3.4	1.2	213	390	269	--	--
LSD 5%		3.4	4.1	1.4	254	465	322	--	--

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.

No lodging in trial.