

NDSU Langdon Research Extension Center
2013 Variety Trial

Canola - Roundup Ready - 2013- Table 1							Langdon
Company	Variety	Type ¹	Status ²	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
BrettYoung	6070 RR	TR	CA	40	60	20	90
BrettYoung	6044 RR	TR	EXP	41	64	22	91
Cargill	V12-1	HO	CA	42	61	19	91
Cargill	V12-2	HO	CA	45	64	19	94
Cargill	v2045	HO	CA	40	58	19	88
Cargill	v2170	HO	CA	43	63	21	92
Croplan	HyClass 930	TR	CA	39	58	19	89
Croplan	HyClass 955	TR	CA	41	59	19	89
Croplan	HyClass 969	TR	CA	40	60	20	90
Dekalb	DKL30-42	TR	CA	38	57	19	88
Dekalb	DKL38-48	TR	CA	41	61	20	89
Dekalb	DKL55-55	TR	CA	39	58	18	89
Dekalb	DKL70-07	TR	CA	41	61	20	90
Dekalb	DKL72-40	TR	CA	41	59	18	90
Integra	7150 R	TR	CA	39	57	18	91
Integra	7152 R	TR	CA	39	57	18	90
Monsanto	G08695	TR	EXP	42	62	20	92
Monsanto	G19275	TR	EXP	42	63	21	93
Monsanto	G29075	TR	EXP	41	60	19	89
Monsanto	G19719	TR	EXP	43	66	23	91
Mycogen	Nexera 1012 RR	HO	CA	43	67	24	93
Mycogen	Nexera 1016 RR	HO	CA	42	61	19	91
Mycogen	G1570046H	HO	EXP	44	64	21	92
Mycogen	G1570048H	HO	EXP	44	63	20	91
Proseed	CS 1	TR	CA	40	60	20	89
Proseed	CD 2	TR	CA	42	60	19	91
Star Specialty Seed	Star 402	TR	CA	41	60	19	92
Star Specialty Seed	Star 514	TR	CA	41	59	18	89
Trial Mean				41	60	19	90
C.V. %				2.0	2.0	5.4	1.3
LSD 10%				1.0	1.4	1.2	1.4
LSD 5%				1.1	1.7	1.5	1.6

Planting Date: May 24. Harvest Date: Sept 4

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

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Canola - Roundup Ready - 2013 - Table 2										Langdon
Company	Variety	Plant				Yield ¹			Ave. Yield	
		Ht	Cover ²	Lodging ³	Oil ¹	2011	2012	2013	2	3
		in	%	0-9	%	-----lbs/a-----				
BrettYoung	6070 RR	43	84	0.3	45.9	2820	2123	3504	2814	2816
BrettYoung	6040 RR	43	73	0.0	46.3	--	--	3464	--	--
Cargill	V12-1	44	87	0.2	45.3	--	2236	3938	3087	--
Cargill	V12-2	42	75	0.5	43.6	--	--	3168	--	--
Cargill	v2045	44	85	0.5	45.8	--	1941	3176	2559	--
Cargill	v2170	43	82	0.0	45.3	--	--	3040	--	--
Croplan	HyClass 930	39	78	0.8	49.5	--	2280	3781	3031	--
Croplan	HyClass 955	41	78	1.3	49.0	2686	2286	3481	2884	2818
Croplan	HyClass 969	42	78	1.2	48.3	--	--	3426	--	--
Dekalb	DKL30-42	38	81	0.8	48.7	2217	2413	3336	2874	2655
Dekalb	DKL38-48	41	73	1.0	47.4	--	--	3280	--	--
Dekalb	DKL55-55	40	75	1.3	49.1	1824	2269	3248	2758	2447
Dekalb	DKL70-07	41	73	1.2	47.9	2447	2314	3433	2873	2731
Dekalb	DKL72-40	41	74	1.0	48.1	--	--	3180	--	--
Integra	7150 R	41	80	1.9	47.9	2057	2177	3310	2744	2515
Integra	7152 R	38	86	1.7	47.3	2159	2126	3498	2812	2594
Monsanto	G08695	44	69	0.0	47.9	--	--	3377	--	--
Monsanto	G19275	45	77	0.3	48.4	--	--	3698	--	--
Monsanto	G29075	42	79	2.0	45.1	--	--	3722	--	--
Monsanto	G19719	46	81	0.5	44.5	--	--	3417	--	--
Mycogen	Nexera 1012 RR	47	81	0.0	44.3	2332	2275	3514	2894	2707
Mycogen	Nexera 1016 RR	43	79	0.0	45.9	--	1897	3407	2652	--
Mycogen	G1570046H	43	77	0.0	45.7	--	--	3152	--	--
Mycogen	G1570048H	47	64	0.2	45.7	--	--	3092	--	--
Proseed	CS 1	38	79	0.5	48.2	--	--	3305	--	--
Proseed	CD 2	43	80	1.0	47.0	--	--	3485	--	--
Star	Star 402	41	78	0.3	50.4	--	2168	3545	2856	--
Star	Star 514	41	69	1.0	50.6	--	--	3077	--	--
Trial Mean		42	77	0.8	47.2	2294	2099	3358	--	--
C.V. %		6.6	7.4	88.1	2.0	12.3	8.6	9.9	--	--
LSD 10%		3.3	6.8	0.9	1.1	--	213	390	--	--
LSD 5%		3.9	8.1	1.0	1.3	396	254	465	--	--

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.

³0=no lodging, 9=completely flat.