

**NDSU Langdon Research Extension Center
2012 Variety Trial Data**

Canola - Roundup Ready - 2012- Table 1, page 1 **Langdon**

Company	Variety	Type ¹	Blackleg Rating ²	Status ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
BrettYoung	6070 RR	H,TR	R	CA	52	68	15	92
BrettYoung	6040 RR	H,TR	R	CA	55	69	14	93
BrettYoung	BY 12-054	H,TR	R	EXP	57	71	14	95
Cargill	V1050	H,HO	R	CA	57	69	12	93
Cargill	V12-1	H,HO	R	CA	57	68	11	93
Cargill	V2035	H,HO	R	CA	53	67	14	91
Cargill	V2045	H,HO	R	CA	55	68	14	90
Croplan	HyClass 930	H,TR	R	CA	52	67	15	88
Croplan	HyClass 947	H,TR	R	CA	53	68	15	91
Croplan	HyClass 955	H,TR	R	CA	53	67	15	90
Croplan	HyClass 988	H,TR	R	CA	56	71	15	95
DeKalb	DKL30-03	H,TR	R	CA	49	65	15	86
DeKalb	DKL30-42	H,TR	R	CA	52	66	14	87
DeKalb	DKL55-55	H,TR	R	CA	52	66	14	89
DeKalb	DKL72-55	H,TR	R	CA	53	67	14	91
DeKalb	DKL70-07	H,TR	R	CA	54	67	14	91
Integra	7150 R	H,TR	R	CA	51	67	15	88
Integra	7152 R	H,TR	R	CA	53	68	14	89
Monsanto	G08486	H,TR	R	EXP	54	69	16	93
Monsanto	G13109	H,TR	R	EXP	55	68	13	92
Monsanto	G95483	H,TR	R	EXP	53	67	15	90
Monsanto	G08652	H,TR	R	EXP	55	69	14	93
Monsanto	G95585	H,TR	R	EXP	52	66	14	90
Monsanto	G84737	H,TR	R	EXP	55	69	13	92
Monsanto	G08648	H,TR	R	EXP	54	67	14	90
Monsanto	G93765	H,TR	R	EXP	53	67	14	91

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Canola - Roundup Ready - 2012- Table 1, page 2 **Langdon**

Company	Variety	Type ¹	Blackleg Rating ²	Status ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
Mycogen	Nexera 1012 RR	H,HO	R	CA	57	72	15	93
Mycogen	Nexera 1016 RR	H,HO	R	CA	57	68	11	91
Pioneer	45S52	H,TR	MR	CA	54	68	14	92
Pioneer	46S53	H,TR	R	CA	56	69	12	92
Pioneer	45S54	H,TR	R	CA	54	69	15	92
Proseed	45 Caliber	H,TR	R	CA	54	71	17	94
Star	Star 402	H,TR	R	CA	52	68	15	91
Trial Mean					54	68	14	91
C.V. %					1.4	1.0	6.0	1.2
LSD 10%					0.9	0.8	1.0	1.3
LSD 5%					1.0	0.9	1.2	1.6

Planting Date: May 2. Harvest Date: August 17.

¹OP-Open Pollinated, H-Hybrid, TR-Traditional Oil Type, HO-High Oleic Oil Type

²Blackleg Rating: S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant, Ratings are provided by the companies.

³Status: CA-Commercially available, EXP-Experimental

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Canola - Roundup Ready - 2012 - Table 2, page 1								Langdon	
Company	Variety	Plant			Yield ¹			Ave. Yield	
		Ht	Cover ²	Oil ¹	2010	2011	2012	2	3
		in	%	%	-----lbs/a-----			year	year
BrettYoung	6070 RR	42	73	45.9	3694	2820	2123	2472	2879
BrettYoung	6040 RR	44	77	44.8	2824	2297	2093	2195	2405
BrettYoung	BY 12-054	43	75	45.7	--	--	2168	--	--
Cargill	V1050	43	79	45.3	--	--	2146	--	--
Cargill	V12-1	44	75	43.8	--	--	2236	--	--
Cargill	V2035	39	75	46.7	2950	2084	1838	1961	2291
Cargill	V2045	41	75	44.4	--	2244	1941	2092	--
Croplan	HyClass 930	38	75	47.9	--	2086	2280	2183	--
Croplan	HyClass 947	41	80	47.5	3346	2386	2130	2258	2621
Croplan	HyClass 955	40	82	47.4	--	2686	2286	2486	
Croplan	HyClass 988	47	76	44.7	3115	2650	1999	2324	2588
DeKalb	DKL30-03	39	76	47.8	--	--	2085	--	--
DeKalb	DKL30-42	39	85	46.2	3565	2217	2413	2315	2732
DeKalb	DKL55-55	41	79	48.4	--	1824	2269	--	--
DeKalb	DKL72-55	40	70	47.3	3257	2239	2191	2215	2562
DeKalb	DKL70-07	41	76	46.6	--	2447	2314	--	--
Integra	7150 R	39	76	47.4	3590	2057	2177	2117	2608
Integra	7152 R	40	74	46.6	3288	2159	2126	2143	2524
Monsanto	G08486	42	70	45.7	--	--	1894	--	--
Monsanto	G13109	41	73	46.6	--	--	2257	--	--
Monsanto	G95483	41	68	47.5	--	--	2000	--	--
Monsanto	G08652	41	70	47.3	--	--	2259	--	--
Monsanto	G95585	39	74	48.6	--	--	1989	--	--
Monsanto	G84737	41	70	47.1	--	--	2105	--	--
Monsanto	G08648	40	76	45.9	--	--	2290	--	--
Monsanto	G93765	41	75	46.2	--	--	2099	--	--

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Canola - Roundup Ready - 2012 - Table 2, page 2								Langdon	
Company	Variety	Plant			Yield ¹			Ave. Yield	
		Ht	Cover ²	Oil ¹	2010	2011	2012	2	3
		in	%	%	-----lbs/a-----			year	year
Mycogen	Nexera 1012 RR	46	78	44.4	--	2332	2275	2303	--
Mycogen	Nexera 1016 RR	42	71	44.3	--	2475	1897	2186	--
Pioneer	45S52	44	71	45.2	--	2369	1770	2069	--
Pioneer	46S53	47	73	46.4	--	2355	1961	2158	--
Pioneer	45S54	45	72	46.1	--	--	2001	--	--
Proseed	45 Caliber	44	71	44.4	3420	2168	1890	2029	2493
Star	Star 402	41	75	48.9	--	--	2168	--	--
Trial Mean		42	74	46.2	3170	2294	2099	--	--
C.V. %		4.4	5.7	1.8	7.8	12.3	8.6	--	--
LSD 10%		2.2	5.0	1.0	--	--	213	--	--
LSD 5%		2.6	5.9	1.2	344	396	254	--	--

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.

Lodging was minimal in trial with no differences between varieties.