

NDSU Langdon Research Extension Center
2011 Variety Trial Data

Canola - Roundup Ready - 2011- Table 1								Langdon
Company	Variety	Type ¹	Blackleg Rating ²	Status ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
Brett Young	6070RR	H,TR	R	CA	40	57	17	85
Brett Young	6040RR	H,TR	R	CA	44	60	16	85
Brett Young	BY11-860	H,TR	R	EXP	43	61	18	86
Cargill	v2035	H,HO	R	CA	44	58	14	84
Cargill	08H1134	H,HO	R	EXP	44	59	15	85
Cargill	V12-1	H,HO	R	CA	44	60	17	85
Croplan Genetics	HyClass 940	H,TR	R	CA	41	57	16	82
Croplan Genetics	HyClass 947	H,TR	R	CA	43	60	17	85
Croplan Genetics	HyClass 955	H,TR	R	CA	43	57	14	84
Croplan Genetics	HyClass 988	H,TR	R	CA	43	60	17	88
Dekalb	DKL51-45	H,TR	R	CA	41	56	14	84
Dekalb	DKL72-40	H,TR	R	CA	43	57	15	84
Dekalb	DKL30-42	H,TR	R	CA	41	56	15	83
Dekalb	DKL52-41	H,TR	R	CA	43	58	15	84
Dekalb	DKL72-55	H,TR	R	CA	43	57	15	84
Dekalb	DKL55-55	H,TR	R	CA	41	56	15	82
Dekalb	DKL70-07	H,TR	R	CA	42	58	16	84
Integra Fortified Seed	7121 R	H,TR	R	CA	43	59	16	85
Integra Fortified Seed	7150 R	H,TR	R	CA	41	56	15	83
Integra Fortified Seed	7152 R	H,TR	R	CA	41	56	16	83
Monsanto	G08027	H,TR	R	EXP	46	64	17	87
Monsanto	G08039	H,TR	R	EXP	44	61	17	86
Monsanto	G88605	H,TR	R	EXP	43	56	13	83
Monsanto	G89304	H,TR	R	EXP	40	56	16	81
Monsanto	G98689	H,TR	R	EXP	43	59	16	85
Monsanto	G98739	H,TR	R	EXP	43	57	14	84
Monsanto	G98767	H,TR	R	EXP	43	57	14	84
Monsanto	G99010	H,TR	R	EXP	42	57	14	83
Monsanto	G99396	H,TR	R	EXP	43	58	15	85
Monsanto	G99402	H,TR	R	EXP	43	58	15	85

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							Days	
Mycogen	1012 RR	H,HO	R	CA	46	63	17	86
Mycogen	1014 RR	H,HO	MR	CA	47	63	16	87
Mycogen	G152936H	H,HO	R	EXP	44	58	15	85
Mycogen	G152951H	H,HO	R	EXP	47	64	17	87
NDSU	ND-662c	OP,TR	R	CA	43	58	15	85
Pioneer	46S53	H,TR	R	CA	44	61	17	85
Pioneer	45S52	H,TR	MR	CA	43	61	18	86
Pioneer	45H29	H,TR	R	CA	43	60	17	85
Proseed	45 Caliber	H,TR	R	CA	43	61	18	85
Trial Mean					43	59	16	85
C.V. %					1.6	2.3	8.3	1.3
LSD 5%					0.9	1.9	1.8	1.6

Planting Date: May 25. Harvest Date: August 31.

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 - 2011 - Table 2								Langdon	
Company	Variety	Plant Ht in	Cover ² %	Oil ¹ %	Yield ¹			Ave. Yield	
					2009	2010	2011	2	3
					-----lbs/a-----				
Brett Young	6070RR	41	97	50.2	--	3694	2820	3257	--
Brett Young	6040RR	40	92	49.5	3070	2824	2297	2560	2730
Brett Young	BY11-860	41	93	48.4	--	--	2425	--	--
Cargill	v2035	36	90	51.9	--	2950	2084	2517	--
Cargill	08H1134	38	90	49.2	--	--	2244	--	--
Cargill	V12-1	42	98	49.3	--	--	2777	--	--
Croplan Genetics	HyClass 940	37	94	47.8	2984	3199	2412	2806	2865
Croplan Genetics	HyClass 947	41	96	52.3	--	3346	2386	2866	--
Croplan Genetics	HyClass 955	38	94	52.5	--	--	2686	--	--
Croplan Genetics	HyClass 988	42	97	50.0	--	3115	2650	2883	--
Dekalb	DKL51-45	35	93	51.0	--	3359	2385	2872	--
Dekalb	DKL72-40	39	92	51.8	--	3329	2320	2824	--
Dekalb	DKL30-42	36	95	51.3	3219	3565	2217	2891	3000
Dekalb	DKL52-41	39	96	49.3	--	--	2576	--	--
Dekalb	DKL72-55	38	94	52.4	3373	3257	2239	2748	2956
Dekalb	DKL55-55	37	91	52.7	--	--	1824	--	--
Dekalb	DKL70-07	36	93	51.9	--	--	2447	--	--
Integra Fortified Seed	7121 R	37	88	48.8	3334	3134	2084	2609	2851
Integra Fortified Seed	7150 R	37	92	51.9	3190	3590	2057	2823	2946
Integra Fortified Seed	7152 R	37	95	51.5	--	3288	2159	2724	--
Monsanto	G08027	44	97	48.7	--	--	1995	--	--
Monsanto	G08039	39	91	51.9	--	--	2248	--	--
Monsanto	G88605	35	92	52.9	--	--	2128	--	--
Monsanto	G89304	36	92	51.6	--	3356	1944	2650	--
Monsanto	G98689	39	87	52.0	--	--	2275	--	--
Monsanto	G98739	39	91	53.2	--	--	2338	--	--
Monsanto	G98767	37	94	52.2	--	--	2595	--	--
Monsanto	G99010	36	88	53.4	--	--	2086	--	--
Monsanto	G99396	38	83	52.9	--	--	2103	--	--
Monsanto	G99402	39	94	53.8	--	--	2703	--	--

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Company	Variety	Plant Ht in	Cover ² %	Oil ¹ %	Yield ¹			Ave. Yield	
					2009	2010	2011	2	3
					-----lbs/a-----			year	year
Mycogen	1012 RR	44	97	48.9	--	--	2332	--	--
Mycogen	1014 RR	40	90	48.8	--	--	2434	--	--
Mycogen	G152936H	40	93	50.0	--	--	2475	--	--
Mycogen	G152951H	45	92	48.6	--	--	2347	--	--
NDSU	ND-662c	37	91	50.6	--	3114	2117	2616	--
Pioneer	46S53	44	89	51.2	--	--	2355	--	--
Pioneer	45S52	39	89	50.2	--	--	2369	--	--
Pioneer	45H29	42	93	50.7	--	3436	2473	2955	--
Proseed	45 Caliber	40	96	50.0	--	3420	2168	2794	--
Trial Mean		39	92	50.9	3030	3170	2294	--	--
C.V. %		5.3	5.3	1.8	9.3	7.8	12.3	--	--
LSD 5%		2.9	6.8	1.3	392	344	396	--	--

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.

There was no lodging in the trial.