

NDSU Langdon Research Extension Center
2010 Variety Trial Data

Canola - Roundup Ready - 2010- Table 1							Langdon	
Company	Variety	Type ¹	Blackleg Rating ²	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature	
BrettYoung	6040 RR	H,TR	R	46	67	21	90	
BrettYoung	6130 RR	Syn,TR	R	45	65	21	89	
BrettYoung	H8111	H,TR	R	45	66	22	89	
Canterra Seeds	1950	H,TR	MR	45	65	20	90	
Canterra Seeds	1956	Syn,TR	R	45	66	21	90	
Canterra Seeds	1918	OP,TR	R	46	67	21	89	
Cargill	V2035	H,HO	R	47	65	18	90	
Cargill	V2018	H,HO	MR	47	67	21	89	
Cargill	V2030	H,HO	MR	47	67	21	89	
Cargill	V1040	H,HO	R	45	65	21	91	
Croplan Genetics	HyCLASS 921	H,TR	R	45	65	20	89	
Croplan Genetics	HyCLASS 940	H,TR	R	43	62	19	88	
Croplan Genetics	HyCLASS 947	H,TR	R	44	65	21	90	
Croplan Genetics	HyCLASS 988	H,TR	R	45	68	22	90	
DEKALB	DKL51-45	H,TR	R	43	63	19	88	
DEKALB	DKL72-40	H,TR	R	44	64	20	89	
DEKALB	DKL30-42	H,TR	R	42	62	20	89	
DEKALB	DKL72-55	H,TR	R	41	62	21	89	
DL Seeds	30220-D8	H,TR	R	47	69	23	90	
DL Seeds	09DL30418	H,TR	R	44	64	19	89	
DL Seeds	30217-C7	H,TR	R	44	65	20	88	
DL Seeds	30511-D8	H,TR	R	44	64	21	90	
DL Seeds	30512-D8	H,TR	R	45	68	23	90	
DL Seeds	09DL90114	H,TR	R	44	65	21	89	
DL Seeds	09DL90122	H,TR	R	45	66	21	91	
DL Seeds	09DL90210	H,TR	R	44	66	22	89	
Integra Fortified Seed	7121R	H,TR	R	43	64	20	89	
Integra Fortified Seed	7150R	H,TR	R	43	63	19	90	
Monsanto	G86382	H,TR	R	44	64	20	90	
Monsanto	G84602	H,TR	R	44	64	20	90	
Monsanto	G98059	H,TR	R	44	63	20	89	
Monsanto	G89304	H,TR	R	43	62	19	88	
Monsanto	G98022	H,TR	R	43	63	20	89	
Monsanto	G98073	H,TR	R	44	63	20	88	
Monsanto	G98046	H,TR	R	44	63	19	89	
Monsanto	G98034	H,TR	R	45	65	21	90	
Monsanto	G72818	H,TR	R	44	64	20	89	
Monsanto	G88666	H,TR	R	44	63	19	89	

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Monsanto	G82746	H,TR	R	43	63	20	89	
Monsanto	G99894	H,TR	R	44	64	20	89	
Pioneer Brand	45H29	H,TR	R	45	65	20	90	
Pioneer Brand	45S51	H,TR	R	46	65	20	89	
Pioneer Brand	45H28	H,TR	R	45	64	20	90	
Proseed	50 Caliber	H,TR	R	45	66	21	90	
Proseed	30 Caliber	Syn,TR	R	48	69	21	90	
Trial Mean				45	65	20	89	
C.V. %				3.4	1.1	3.9	1.2	
LSD 5%				2	1	1	2	

Planting Date: May 17. Harvest Date: August 27.

¹OP-Open Pollinated, H-Hybrid, Syn-Synthetic. 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.

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Canola - Roundup Ready - 2010 - Table 2										Langdon
Company	Variety	Plant				Yield ¹			Ave. Yield	
		Ht	Lodging	Cover ²	Oil ¹	2008	2009	2010	2	3
		in	0-9	%	%	-----lbs/a-----				
BrettYoung	6040 RR	49	2.5	57	45.5	--	3070	2824	2947	--
BrettYoung	6130 RR	43	3.1	65	46.2	--	--	3185	--	--
BrettYoung	H8111	43	2.3	48	45.5	--	--	2548	--	--
Canterra Seeds	1950	45	2.1	62	42.3	--	2889	3225	3057	--
Canterra Seeds	1956	45	2.0	69	46.1	--	3122	3298	3210	--
Canterra Seeds	1918	43	2.5	38	47.0	--	--	2832	--	--
Cargill	V2035	42	2.7	64	47.4	--	--	2950	--	--
Cargill	V2018	45	1.6	69	45.4	2743	3048	2894	2971	2895
Cargill	V2030	47	2.8	66	45.0	3464	2913	2829	2871	3069
Cargill	V1040	43	2.3	70	44.3	--	--	3018	--	--
Croplan Genetics	HyCLASS 921	44	3.4	71	47.8	--	2596	3094	--	--
Croplan Genetics	HyCLASS 940	42	2.5	80	45.5	3321	2984	3199	3091	3168
Croplan Genetics	HyCLASS 947	44	2.2	61	48.3	--	--	3346	--	--
Croplan Genetics	HyCLASS 988	48	2.4	63	47.2	--	--	3115	--	--
DEKALB	DKL51-45	40	3.3	65	47.2	--	--	3359	--	--
DEKALB	DKL72-40	42	2.7	54	47.2	--	--	3329	--	--
DEKALB	DKL30-42	39	3.0	75	46.4	3332	3219	3565	3392	3372
DEKALB	DKL72-55	40	2.8	81	47.3	3502	3373	3257	3315	3377
DL Seeds	30220-D8	49	2.6	60	43.5	--	3228	3102	3165	--
DL Seeds	09DL30418	42	2.4	62	45.4	--	--	3241	--	--
DL Seeds	30217-C7	46	2.6	64	46.9	--	--	3115	--	--
DL Seeds	30511-D8	44	2.8	89	47.9	--	--	3694	--	--
DL Seeds	30512-D8	46	2.4	74	46.4	--	--	3420	--	--
DL Seeds	09DL90114	46	2.6	72	46.6	--	--	3365	--	--
DL Seeds	09DL90122	48	2.2	83	44.9	--	--	3005	--	--
DL Seeds	09DL90210	45	1.7	79	45.3	--	--	3159	--	--
Integra Fortified Seed	7121R	41	2.3	61	45.2	--	3334	3134	3234	--
Integra Fortified Seed	7150R	41	1.8	60	48.6	--	3190	3590	3390	--
Monsanto	G86382	43	2.6	68	48.0	--	--	3610	--	--
Monsanto	G84602	45	2.4	63	46.2	--	--	3253	--	--
Monsanto	G98059	41	2.9	67	49.6	--	--	3375	--	--
Monsanto	G89304	40	3.0	69	49.2	--	--	3356	--	--
Monsanto	G98022	45	3.0	56	46.3	--	--	3234	--	--
Monsanto	G98073	41	2.6	75	48.4	--	--	3288	--	--
Monsanto	G98046	42	2.6	75	46.6	--	--	3459	--	--
Monsanto	G98034	45	2.3	66	46.0	--	--	3142	--	--
Monsanto	G72818	45	1.4	67	47.7	--	--	3501	--	--
Monsanto	G88666	43	2.1	69	49.2	--	--	3431	--	--

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Company	Variety	Plant		Cover ² %	Oil ¹ %	Yield ¹			Ave. Yield	
		Ht in	Lodging 0-9			2008	2009	2010	2	3
						-----lbs/a-----				
Monsanto	G82746	41	1.4	70	47.7	--	--	3142	--	--
Monsanto	G99894	42	2.6	57	48.5	--	--	3412	--	--
Pioneer Brand	45H29	44	2.1	68	47.5	--	--	3436	--	--
Pioneer Brand	45S51	42	2.4	63	46.0	--	2681	2975	2828	--
Pioneer Brand	45H28	45	3.2	67	46.8	3634	2714	3183	2949	3177
Proseed	50 Caliber	44	2.6	52	44.3	3029	2763	2659	2711	2817
Proseed	30 Caliber	47	3.3	41	45.4	3107	3096	2646	2871	2950
Trial Mean		43	2.4	65.3	46.6	3105	3030	3170	--	--
C.V.%		4.4	30.7	13.7	2.9	12.0	9.3	7.8	--	--
LSD 5%		3	1.0	12.5	1.9	522	392	344	--	--

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.