

NDSU Langdon Research Extension Center
2018 Variety Trial Data

Canola - Roundup Ready - 2018- Table 1

Langdon

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
Brett Young	6074RR	TR	CA	No	R	39	59	20	85
Brett Young	6090RR	TR	CA	Yes	R	42	60	18	85
Brett Young	4187RR	TR	CA	Yes	R	42	59	17	85
Canterra Seed	CS2300	TR	CA	No	R	41	59	18	86
Canterra Seed	CS2100	TR	CA	No	R	39	58	19	85
Cargill	15RH1142	TR	Exp	Yes	R	41	60	19	86
Cargill	15RH1167	HO	Exp	Yes	R	42	59	17	84
Croplan	HyCLASS 930	TR	CA	No	R	36	54	17	80
Croplan	HyCLASS 955	TR	CA	Yes	R	37	54	18	81
Croplan	HyCLASS 730	TR	CA	Yes	R	36	53	17	80
Dekalb	DKL35-23	TR	CA	No	MR	36	54	18	79
Dekalb	DKL70-10	TR	CA	No	R	38	55	17	82
Dekalb	DKL71-14BL	TR	CA	No	R	37	55	18	83
Dekalb	DKL75-42CR	TR	CA	Yes	R	39	57	18	83
DuPont Pioneer	45M35	TR	CA	No	R	38	56	18	82
DuPont Pioneer	45CS40	TR	CA	Yes	R	39	57	18	83
DuPont Pioneer	45H33	TR	CA	Yes	R	39	58	19	84
Dyna-Gro	DG533G	TR	CA	No	R	38	58	20	83
Dyna-Gro	DG540G	TR	CA	No	R	40	59	18	84
Integra	7150	TR	CA	No	R	36	54	18	81
Integra	7257	TR	CA	No	R	37	54	17	80
Proseed	300MAG	TR	CA	No	R	38	57	18	84
Proseed	PS5000	TR	CA	Yes	R	41	58	17	85
Star	Star 402	TR	CA	No	R	38	56	18	83
Trial Mean						38.5	56.6	18.1	82.7
C.V. %						1.4	1.2	4.2	1.7
LSD 5%						0.7	0.9	1.1	2.0
LSD 10%						0.6	0.8	0.9	1.7

Planting Date: May 21. Harvest Date: August 23

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

²Status: CA-Commercially available, EXP-Experimental

³ Has clubroot resistance gene.

⁴Blackleg rating provided by the companies.

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Canola - Roundup Ready - 2018 - Table 2 **Langdon**

Company	Variety	Plant				Yield ¹				
		Ht	Lodging	Cover ²	Oil ¹	2016	2017	2018	2-yr Avg.	3-yr Avg.
		in	0-9	%	%	-----lbs/a-----				
Brett Young	4187RR	47	1.5	95	44.6	--	4275	3596	3935	--
Brett Young	6074RR	41	1.3	94	43.9	2679	3949	3237	3593	3288
Brett Young	6090RR	53	1.3	98	42.9	--	--	3214	--	--
Canterra Seed	CS2100	41	1.3	98	43.3	2752	3959	3312	3636	3341
Canterra Seed	CS2300	46	1.3	98	43.8	--	4430	3382	3906	--
Cargill	15RH1142	42	1.0	96	42.8	--	3996	3121	3558	--
Cargill	15RH1167	43	1.0	98	43.8	--	3944	3367	3655	--
Croplan	HyCLASS 730	37	2.0	100	45.3	--	--	3352	--	--
Croplan	HyCLASS 930	37	2.3	98	45.8	2910	3676	3189	3432	3258
Croplan	HyCLASS 955	37	2.3	97	45.5	2717	3575	3161	3368	3151
Dekalb	DKL35-23	36	2.0	97	43.6	--	3356	2985	3171	--
Dekalb	DKL70-10	37	1.8	98	43.5	2917	3853	3010	3431	3260
Dekalb	DKL71-14BL	38	1.5	99	44.5	3156	3656	3179	3417	3330
Dekalb	DKL75-42CR	37	1.3	96	44.2	--	--	3247	--	--
DuPont Pioneer	45CS40	44	2.0	100	43.8	2735	3510	3183	3347	3143
DuPont Pioneer	45H33	43	2.0	97	43.5	--	--	3075	--	--
DuPont Pioneer	45M35	38	1.5	100	45.9	--	4583	3338	3960	--
Dyna-Gro	DG533G	41	1.3	93	43.8	2579	3951	3156	3554	3229
Dyna-Gro	DG540G	43	1.5	95	43.4	--	4165	3382	3774	--
Integra	7150	41	2.3	94	44.1	2653	3580	2826	3203	3020
Integra	7257	36	1.8	98	44.1	2711	4144	3132	3638	3329
Proseed	300MAG	36	2.0	95	44.4	2549	4119	3125	3622	3264
Proseed	PS5000	47	1.5	96	43.2	2518	3725	3275	3500	3173
Star	Star 402	38	1.5	97	46.4	2649	4155	3473	3814	3426
Trial Mean		41	1.7	97	44.0	2584	3868	3198	--	--
C.V. %		10.3	33.8	3.1	1.6	10.1	9.4	6.6	--	--
LSD 5%		5.9	0.8	4.2	1.0	367	512	297	--	--
LSD 10%		4.9	0.7	3.5	0.8	307	428	248	--	--

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.