

NDSU Langdon Research Extension Center
2018 Variety Trial Data

Canola - Liberty Link, Clearfield, Sulfonylurea - 2018- Table 1 **Langdon**

Company/Brand	Variety	Type ¹	Blackleg Rating ²	Status ³	Club root Resist. ⁵	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
Bayer	L140P	LL, TR	R	CA	No	39	56	17	82
Bayer	L233P	LL, TR	R	CA	No	38	55	18	81
Bayer	L255P	LL, TR	R	CA	Yes	40	58	18	84
Bayer	L230	LL, TR	R	CA	No	39	55	17	83
Bayer	L252	LL, TR	R	CA	No	41	57	16	85
Bayer	L234P	LL, TR	R	CA	Yes	37	55	18	83
Canterra Seed	CS2500 CL	CL, TR	R	CA	No	39	58	18	85
Cargill	V32-1CL	CL, HO	R	CA	No	40	58	19	85
Cibus	C5522	SU, TR	R	CA	No	38	57	19	85
Cibus	exp201803	SU, TR	R	Exp	No	38	60	22	85
Cibus	exp2011801	SU, TR	R	Exp	No	40	60	20	86
Dyna-Gro	DG 200CL	CL, TR	R	CA	No	40	59	19	86
Croplan ⁴	HyCLASS 955	RR, TR	R	CA	Yes	36	53	18	83
Dekalb ⁴	DKL 71-14BL	RR, TR	R	CA	No	37	54	18	84
Trial Mean						39	58	19	84
C.V. %						1.2	1.7	4.9	1.5
LSD 5%						0.7	1.4	1.3	1.8
LSD 10%						0.6	1.3	1.1	1.5

Planting Date: May 21

Harvest Date: August 23

¹All varieties are Hybrids. LL-Liberty Link, CL-Clearfield, RR-Roundup Ready, SU-Sulfonylurea, TR-Traditional Oil type, HO-High Oleic Oil Type

²Blackleg Rating: MR-Moderately Resistant, R-Resistant.

Ratings provided by the company.

³Status: CA-Commercially available, EXP-Experimental

⁴Roundup Ready check variety.

⁵Has clubroot resistance gene.

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Canola - Liberty Link, Clearfield, Sulfonylurea - 2018- Table 2 **Langdon**

Company/Brand	Variety	Plant Height	LGD	Cover ²	Oil ¹	Yield ¹			2-yr Avg.	3-yr Avg.
						2016	2017	2018		
		inches	0-9	%	%	-----lbs/ac-----				
Bayer	L140P	46	2.8	99	43.2	2672	4032	3285	3658	3330
Bayer	L233P	44	2.5	99	43.3	2866	3770	3198	3484	3278
Bayer	L255P	46	2.0	100	44.9	--	3807	3749	3778	--
Bayer	L230	44	1.8	100	43.6	2779	3559	3580	3570	3306
Bayer	L252	49	1.8	99	44.8	2792	4047	3997	4022	3612
Bayer	L234P	44	3.5	99	42.7	--	--	3371	--	--
Canterra Seed	CS2500 CL	48	1.8	99	43.7	--	--	3563	--	--
Cargill	V32-1CL	46	2.8	99	42.9	--	3602	3365	3483	--
Cibus	C5522	45	2.5	97	42.0	2250	3478	3388	3433	3039
Cibus	exp201803	44	2.0	92	41.1	--	--	2771	--	--
Cibus	exp2011801	51	1.8	94	42.7	--	--	3504	--	--
Dyna-Gro	DG 200CL	48	3.5	99	43.5	2798	4008	3448	3728	3418
Croplan ³	HyCLASS 955	40	5.3	98	45.9	2640	3547	3477	3512	3221
Dekalb ³	DKL 71-14BL	40	3.0	97	45.2	--	3499	3700	3600	--
Trial Mean		45	2.5	97	43.5	2475	3499	3322	--	--
C.V. %		7.2	36.2	2.5	1.6	10.1	9.7	6.3	--	--
LSD 5%		4.6	1.3	3.4	1.0	351	479	294	--	--
LSD 10%		3.8	1.1	2.9	0.8	294	400	245	--	--

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.

³Roundup ready check variety.