

NDSU Langdon Research Extension Center
2017 Variety Trial Data

Canola - Liberty Link, Clearfield, Sulfonyleurea - 2017- 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	InVigor L140P	LL, TR	R	CA	No	48	67	19	97
Bayer	InVigor L230	LL, TR	R	CA	No	46	63	17	96
Bayer	InVigor L233P	LL, TR	R	CA	No	47	64	17	95
Bayer	InVigor L241C	LL, TR	R	CA	Yes	49	69	20	98
Bayer	InVigor L252	LL, TR	R	CA	No	49	68	19	98
Bayer	InVigor L255P	LL, TR	R	CA	Yes	53	71	18	102
Canterra Seeds	CS2200CL	CL, TR	R	CA	Yes	49	70	21	98
Cibus	C5507	SU, TR	R	CA	No	50	70	20	101
Cibus	C5513	SU, TR	R	CA	No	52	71	19	102
Cibus	C5522	SU, TR	R	CA	No	49	71	22	101
Dyna-Gro	DG200CL	CL, TR	R	CA	No	48	68	20	97
Mycogen	2020 CL	CL, HO	R	CA	Yes	51	69	18	100
Mycogen	2022 CL	CL, HO	R	CA	No	50	69	19	100
Mycogen	2024 CL	CL, HO	R	CA	No	49	69	21	99
Mycogen	CL6665383H	CL, HO	R	Exp	No	50	68	19	100
Victory/Cargill	V32-1CL	CL, HO	R	CA	No	47	64	17	95
Croplan (RR CK) ⁴	HyClass 955	RR, TR	R	CA	Yes	46	63	18	95
Dekalb (RR CK) ⁴	71-14BL	RR, TR	R	CA	No	46	65	19	97
Trial Mean						48.9	68.0	19.1	98.2
C.V. %						1.7	1.7	6.0	1.3
LSD 5%						1.2	1.7	1.6	1.8
LSD 10%						1.0	1.4	1.3	1.5

Planting Date: May 15

Harvest Date: September 5

¹All varieties are Hybrids, LL-Liberty Link, CL-Clearfield, RR-Roundup Ready, SU-Sulfonyleurea

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.

NDSU Langdon Research Extension Center
2017 Variety Trial Data

Canola - Liberty Link, Clearfield, Sulfonyleurea - 2017- Table 2

Langdon

Company/Brand	Variety	Plant Height	LGD	Cover ²	Oil ¹	Yield ¹			Average	
						2015	2016	2017	2	3
						-----lbs/ac-----				
Bayer	InVigor L140P	47	1.8	85	49.5	3540	2672	4032	3352	3415
Bayer	InVigor L230	45	0	88	52.3	--	2779	3559	3169	--
Bayer	InVigor L233P	47	1	86	50.9	--	2866	3770	3318	--
Bayer	InVigor L241C	47	0	86	49.8	3303	2591	3815	3203	3236
Bayer	InVigor L252	46	0	88	53.3	3393	2792	4047	3420	3411
Bayer	InVigor L255P	51	0	75	53.5	--	--	3807	--	--
Canterra Seeds	CS2200CL	48	0.8	82	51.9	--	2603	3694	3149	--
Cibus	C5507	48	1.3	92	49.2	--	2334	3363	2848	--
Cibus	C5513	50	1	73	50.5	--	2291	2655	2473	--
Cibus	C5522	48	0.8	94	49.5	--	2250	3478	2864	--
Dyna-Gro	DG200CL	47	0.3	96	51.1	--	2798	4008	3403	--
Mycogen	2020 CL	45	0	75	52.6	2894	1723	3497	2610	2705
Mycogen	2022 CL	42	0	76	52.0	--	2003	3242	2623	--
Mycogen	2024 CL	44	0.5	82	51.3	--	--	3367	--	--
Mycogen	CL6665383H	48	0	83	53.2	--	--	3781	--	--
Victory/Cargill	V32-1CL	44	0.5	90	48.8	--	--	3602	--	--
Croplan (RR CK) ³	HyClass 955	37	1	78	55.0	3433	2640	3547	3093	3207
Dekalb (RR CK) ³	71-14BL	42	0.5	79	54.7	--	--	3499	--	--
Trial Mean		44.5	0.5	79.2	51.4	3171	2475	3499	--	--
C.V. %		8.7	187	12.0	2.1	6.9	10.1	9.7	--	--
LSD 5%		5.5	NS	13.5	1.6	311	351	479	--	--
LSD 10%		4.6	NS	11.3	1.3	259	294	400	--	--

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.