

NDSU Langdon Research Extension Center
2016 Variety Trial

Canola - Liberty Link, Clearfield, SU - 2016- 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	44	66	22	91
Bayer	InVigor L130	LL, TR	R	CA	No	44	66	23	90
Bayer	InVigor L241C	LL, TR	R	CA	Yes	44	67	23	93
Bayer	InVigor L157H	LL, HO	R	CA	No	42	66	24	91
Bayer	InVigor L230	LL, TR	R	CA	No	43	64	21	91
Bayer	InVigor L233P	LL, TR	R	CA	No	44	65	21	92
Bayer	InVigor L252	LL, TR	R	CA	No	47	67	20	95
BrettYoung	BY16-6058	CL, TR	R	Exp	No	47	67	21	96
BrettYoung	BY16-6059	CL, TR	R	Exp	No	45	68	23	93
BrettYoung	BY15-677	CL, TR	R	Exp	No	43	65	23	93
Canterra	CS2200CL	CL, TR	R	CA	No	46	69	22	94
Cibus	C1511	SU, TR	R	CA	No	44	69	25	92
Cibus	C1516	SU, TR	MR	CA	No	47	69	23	92
Cibus	C5507	SU, TR	R	CA	No	45	66	22	93
Cibus	C5522	SU, TR	R	CA	No	44	67	24	93
Cibus	C5513	SU, TR	R	CA	No	46	68	22	94
Dyna-Gro	DG200CL	CL, TR	R	CA	No	47	69	23	96
Dyna-Gro	XCEED X122CL	CL, TR	R	CA	No	38	60	21	88
Mycogen	2020CL	CL, HO	R	CA	No	50	70	20	97
Mycogen	2022CL	CL,HO	R	CA	No	45	69	24	95
Mycogen	CL370195H	CL,HO	R	Exp	No	43	69	25	93
RR Check	HyCLASS 955	RR, TR	R	CA	Yes	42	62	20	89
RR Check	Dekalb 70-50CR	RR, TR	R	CA	Yes	42	65	23	90
Trial Mean						44	67	22	92
C.V. %						2.4	1.8	6.9	1.1
LSD 5%						1.5	1.7	2.2	1.5
LSD 10%						1.3	1.4	1.8	1.2

Planting Date: May 17

Harvest Date: August 30

¹All varieties are Hybrids. LL-Liberty Link, CL-Clearfield, RR-Roundup Ready, SU-Sulfonylurea Conv-Conventional, 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, SU - 2016 - Table 2 **Langdon**

Company/Brand	Variety	Plant Height inches	LGD 0-9	Cover ² %	Oil ¹ %	Yield ¹			Average	
						2014	2015	2016	2 year	3 year
						-----lbs/ac-----				
Bayer	InVigor L140P	46	5.3	91	46.2	3721	3540	2672	3106	3311
Bayer	InVigor L130	49	3.3	94	46.1	3522	3179	2410	2794	3037
Bayer	InVigor L241C	47	4.0	94	44.4	--	3303	2591	2947	--
Bayer	InVigor L157H	43	5.8	93	47.4	--	--	2534	--	--
Bayer	InVigor L230	44	4.5	95	45.7	--	--	2779	--	--
Bayer	InVigor L233P	46	2.5	93	48.0	--	--	2866	--	--
Bayer	InVigor L252	46	4.8	76	48.2	4121	3393	2792	3092	3435
BrettYoung	BY16-6058	49	4.8	84	46.7	--	--	2877	--	--
BrettYoung	BY16-6059	49	5.0	93	47.4	--	--	2896	--	--
BrettYoung	BY15-677	48	5.0	95	46.6	--	--	2758	--	--
Canterra	CS2200CL	47	5.0	78	46.5	--	--	2603	--	--
Cibus	C1511	47	5.0	79	42.1	--	3043	2321	2682	--
Cibus	C1516	46	5.0	75	44.8	--	2837	1950	2393	--
Cibus	C5507	46	5.3	79	45.9	--	--	2334	--	--
Cibus	C5522	44	5.3	86	46.0	--	--	2250	--	--
Cibus	C5513	46	4.3	83	46.5	--	--	2291	--	--
Dyna-Gro	DG200CL	51	5.3	89	44.6	--	--	2798	--	--
Dyna-Gro	XCEED X122CL	44	1.0	49	43.0	--	--	1912	--	--
Mycogen	2020CL	41	5.5	43	46.5	3445	2894	1723	2308	2687
Mycogen	2022CL	42	4.8	60	46.0	--	--	2003	--	--
Mycogen	CL370195H	41	5.0	69	45.9	--	--	2319	--	--
RR Check	HyCLASS 955	45	5.0	86	52.9	3873	3433	2640	3037	3315
RR Check	Dekalb 70-50CR	42	3.8	91	49.3	--	3288	2858	3073	--
Trial Mean		46	4.5	80	46.2	3581	3171	2475	--	--
C.V. %		7.7	17.3	10.9	2.4	8.2	6.9	10.1	--	--
LSD 5%		4.9	1.1	12.4	1.6	351	311	351	--	--
LSD 10%		4.1	0.9	10.3	1.3	351	259	294	--	--

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.