

**NDSU Langdon Research Extension Center  
2019 Variety Trial Data**

**Canola - Liberty Link, Clearfield - 2019- Table 1**

**Langdon**

Company/Brand	Variety	Type <sup>1</sup>	Blackleg Rating <sup>2</sup>	Status <sup>3</sup>	Club root Resist. <sup>5</sup>	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
BASF	InVigor L233P	LL,TR	R	CA	No	47	62	15	94
BASF	InVigor L255P	LL,TR	R	CA	Yes	49	64	15	97
BASF	InVigor L234P	LL,TR	R	CA	Yes	47	62	15	94
BASF	InVigor L252	LL,TR	R	CA	No	49	63	15	97
BASF	InVigor L230	LL,TR	R	CA	No	45	58	12	93
BASF	InVigor L345P	LL,TR	R	Exp	Yes	48	63	15	95
BASF	InVigor L352	LL,TR	R	Exp	Yes	50	66	16	99
BrettYoung	5545CL	CL,TR	R	CA	No	48	65	17	98
Canterra Seeds	CS2500 CL	CL,TR	R	CA	No	47	60	13	95
Cargill	16MH6001	CL,HO	R	Exp	No	48	64	16	94
Cargill	16MH6004	CL, HO	R	Exp	No	48	63	15	93
Dyna-Gro	DG 200CL	CL, TR	R	CA	No	49	65	16	96
CROPLAN <sup>4</sup>	CP955RR-CK	RR, TR	R	CA	Yes	46	62	16	95
Brett Young <sup>4</sup>	4178 RR-CK	RR, TR	R	CA	Yes	50	64	14	96
Trial Mean						48	64	16	96
C.V. %						1.2	1.5	6.3	1.7
LSD 5%						0.8	1.4	1.4	2.4
LSD 10%						0.7	1.2	1.2	2.0

Planting Date: May 17

Harvest Date: September 6

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

<sup>2</sup>Blackleg Rating: , R-Resistant. Ratings provided by the company.

<sup>3</sup>Status: CA-Commercially available, EXP-Experimental

<sup>4</sup>Roundup Ready check variety.

<sup>5</sup>Has clubroot resistance gene.

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**2019 Variety Trial Data**

**Canola - Liberty Link, Clearfield, - 2019- Table 2** **Langdon**

Company/Brand	Variety	Plant Height	LGD	Cover <sup>2</sup>	Oil <sup>1</sup>	Yield <sup>1</sup>			2-yr Avg.	3-yr Avg.
						2017	2018	2019		
		inches	0-9	%	%	-----lbs/a-----				
BASF	InVigor L233P	46	5.5	92	44.2	3770	3198	3528	3363	3499
BASF	InVigor L255P	48	2.0	92	47.1	3807	3749	3937	3843	3831
BASF	InVigor L234P	43	6.5	86	44.3	--	--	3394	--	--
BASF	InVigor L252	48	2.8	90	47.1	4047	3997	3681	3839	3908
BASF	InVigor L230	46	1.8	91	47.4	3559	3580	3521	3550	3553
BASF	InVigor L345P	49	4.0	91	44.4	--	--	3947	--	--
BASF	InVigor L352	48	3.0	90	47.2	--	--	3499	--	--
BrettYoung	5545CL	46	3.8	94	44.8	--	--	3536	--	--
Canterra Seeds	CS2500 CL	47	1.8	89	46.6	--	3563	3234	3398	--
Cargill	16MH6001	43	1.5	90	43.6	--	--	3291	--	--
Cargill	16MH6004	46	2.0	88	43.2	--	--	3109	--	--
Dyna-Gro	DG 200CL	50	4.3	88	43.7	4008	3448	3216	3332	3557
CROPLAN <sup>3</sup>	CP955RR-CK	42	4.8	95	47.5	3457	3477	3469	3473	3468
Brett Young <sup>3</sup>	4178 RR-CK	50	1.3	93	45.7	--	--	3684	--	--
Trial Mean		47	3.1	90	44.8	3499	3322	3432	--	--
C.V. %		6.3	56.4	4.5	2.8	9.7	6.3	8.2	--	--
LSD 5%		4.2	2.5	5.8	1.8	479	294	396	--	--
LSD 10%		3.5	2.1	4.8	1.5	400	245	331	--	--

<sup>1</sup> 8.5% moisture

<sup>2</sup> % 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.

<sup>3</sup>Roundup ready check variety.