

**NDSU Langdon Research Extension Center**  
**2021 Variety Trial Data**

**Canola - Liberty Link, Clearfield - 2021- Table 1**

**Langdon**

Company/Brand	Variety	Type <sup>1</sup>	Status <sup>2</sup>	Blackleg Rating <sup>3</sup>	Club root Resist. <sup>4</sup>	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
BASF	EXP #2	LL	Exp	R	Yes	44	60	16	83
BASF	L233P	LL	CA	R	No	41	59	17	79
BASF	L234PC	LL	CA	R	Yes	41	59	17	80
BASF	L255PC	LL	CA	R	Yes	46	61	14	84
BASF	L340PC	LL	CA	R	Yes	44	60	17	82
BASF	L343PC	LL	CA	R	Yes	44	60	16	83
BASF	L345PC	LL	CA	R	Yes	44	60	16	82
BASF	LR344PC	TFLL	CA	R	Yes	42	59	16	83
Croplan	CP7130LL	LL	Exp	R	No	43	60	17	82
Croplan	CP7144LL	LL	Exp	R	No	43	61	18	83
Dekalb	DKLL82SC	LL	CA	R	No	41	60	19	82
Dekalb	DKTFLL21SC	TFLL	CA	R	No	41	60	18	80
Dekalb	H19W94354	LL	Exp	R	No	42	61	19	82
Dyna-Gro	DG 200CL	CL	CA	R	No	47	62	15	87
Meridian Seeds	CS2700 CL	CL	CA	R	Yes	48	63	16	87
Meridian Seeds	CS4000 LL	LL	CA	R	Yes	43	61	18	84
Pioneer	P505MSL	LL	CA	R	Yes	43	60	17	83
Pioneer	P506ML	LL	CA	R	Yes	42	60	18	82
Trial Mean						43	60	17	83
C.V. %						1.7	0.7	4.5	0.9
LSD 5%						0.6	0.4	0.7	0.7
LSD 10%						0.5	0.3	0.6	0.6

Planting Date: May 25

Harvest Date: September 1

<sup>1</sup>All varieties are hybrids with tradition oil type.

LL-Liberty Link, CL-Clearfield, TFLL-Roundup Ready Truflex- Liberty Link stacked.

<sup>2</sup>Status: CA-Commercially available, EXP-Experimental

<sup>3</sup>Blackleg Rating provided by company

<sup>4</sup>Has clubroot resistance gene(s)

Previous Crop: Wheat

Soil Type: Svea-Barnes loam

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**Canola - Liberty Link, Clearfield - 2021- Table 2** **Langdon**

Company/Brand	Variety	Plant Height	Cover <sup>2</sup>	Oil <sup>1</sup>	Yield <sup>1</sup>				
					2019	2020	2021	2yr Avg.	3yr Avg.
		inches	%	%	-----lbs/ac-----				
BASF	L233P	36	75	42.1	3528	3565	1436	2500	2843
BASF	L234PC	37	78	42.4	3394	3195	1371	2283	2653
BASF	L255PC	38	73	43.3	3937	2961	1200	2081	2699
BASF	L345PC	40	83	42.3	--	3135	1512	2324	--
BASF	L340PC	36	74	41.3	--	3414	1351	2382	--
BASF	LR344PC	36	79	42.8	--	3020	1485	2252	--
BASF	L343PC	37	75	43.4	--	--	1641	--	--
BASF	EXP #2	36	80	42.7	--	--	1587	--	--
Croplan	CP7130LL	37	78	43.5	--	--	1238	--	--
Croplan	CP7144LL	39	75	43.2	--	--	1421	--	--
Dekalb	DKLL82SC	36	75	43.2	--	3169	812	1990	--
Dekalb	DKTFLL21SC	35	70	43.2	--	3327	978	2153	--
Dekalb	H19W94354	37	70	43.7	--	--	964	--	--
Dyna-Gro	DG 200CL	42	83	40.8	3216	2644	1518	2081	2459
Meridian Seeds	CS2700 CL	44	69	42.5	--	2722	1696	2209	--
Meridian Seeds	CS4000 LL	36	67	42.4	--	3321	1076	2198	--
Pioneer	P506ML	37	72	44.1	--	--	1037	--	--
Pioneer	P505MSL	36	74	42.1	--	--	1216	--	--
Trial Mean		38	75	42.7	3432	2881	1308	--	--
C.V. %		4.4	7.2	1.0	8.2	8.2	17.6	--	--
LSD 5%		1.4	5.3	0.4	396	331	204	--	--
LSD 10%		1.2	4.5	0.3	331	277	172	--	--

<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.