

NDSU Langdon Research Extension Center
2023 Variety Trial Data

Canola - Liberty Link - 2023- Table 1 **Langdon**

Company/Brand	Variety	Type ¹	Status ²	Blackleg Rating ³	Club root Resist. ⁴	Days to 1st Flower	Days to Flower Duration	Days to Maturity
							days	
BASF	InVigor L233P	LL	CA	R	No	42	18	84
BASF	InVigorL340PC	LL	CA	R	Yes	43	18	85
BASF	InVigor L343PC	LL	CA	R	Yes	43	17	86
BASF	InVigor L345PC	LL	CA	R	Yes	46	17	87
BASF	InVigor L350PC	LL	CA	R	Yes	48	17	90
BASF	InVigor LR354PC	TFLL	CA	R	Yes	47	17	88
Bayer	DKLL82SC	LL	CA	R	No	41	21	86
Bayer	DKLL83SC	LL	CA	R	No	39	21	84
Bayer	DKTFLL21SC	TFLL	CA	R	No	40	21	84
Canterra Seeds	CS4000 LL	LL	CA	R	Yes	42	19	85
CROPLAN	CP7250LL	LL	CA	R	Yes	44	20	89
Dyna-Gro	DG 661 LCM	LL	CA	R	Yes	43	19	88
Pioneer	P505MSL	LL	CA	R	Yes	44	17	85
Pioneer	P612L	LL	CA	R	Yes	47	18	89
Trial Mean						44	19	87
C.V. %						3.4	7.6	2.0
LSD 5%						2.1	2.0	2.5
LSD 10%						1.8	1.7	2.1

Planting Date: May 25

Harvest Date: September 1

¹Hybrids are traditional oil type

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

²Status: CA-Commercially available

³Blackleg Rating provided by company

⁴Has clubroot resistance gene(s)

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

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2023 Variety Trial Data

Canola - Liberty Link - 2023- Table 2

Langdon

Company/Brand	Variety	Plant			Yield ²				
		Height inches	Cover ¹ %	Oil ² %	2020	2022	2023	2yr Avg.	3yr ³ Avg.
BASF	InVigor L233P	53	86	41.0	3565	3171	2892	3031	3209
BASF	InVigorL340PC	51	85	40.1	3414	3573	2644	3108	3210
BASF	InVigor L343PC	52	82	41.2	--	3627	2541	3084	--
BASF	InVigor L345PC	55	88	41.0	3135	3734	2454	3094	3108
BASF	InVigor L350PC	58	88	41.4	--	3615	2668	3141	--
BASF	InVigor LR354PC	57	86	41.7	--	3351	2429	2890	--
Bayer	DKLL82SC	46	86	40.8	3169	3094	2428	2761	2897
Bayer	DKLL83SC	48	78	41.3	--	3182	2314	2748	--
Bayer	DKTFL21SC	48	81	41.0	3327	2793	2473	2633	2864
Canterra Seeds	CS4000 LL	53	85	41.5	3321	3237	2907	3072	3155
CROPLAN	CP7250LL	52	87	41.2	--	--	2554	--	--
Dyna-Gro	DG 661 LCM	52	85	41.4	--	--	2243	--	--
Pioneer	P505MSL	56	88	40.9	--	2647	2346	2496	--
Pioneer	P612L	58	83	42.0	--	--	2584	--	--
Trial Mean		53	85	41.3	3156	3261	2530	--	--
C.V. %		4.3	5.7	1.3	8.2	3.9	9.9	--	--
LSD 5%		3.3	6.9	0.8	331	122	360	--	--
LSD 10%		1.7	5.8	0.6	277	102	299	--	--

¹ % 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.

² 8.5% moisture

³ Average of 2020, 2022 and 2023 data