

NDSU Langdon Research Extension Center
2022 Variety Trial Data

Canola - Liberty Link - 2022- Table 1

Langdon

Company/Brand	Variety	Type ¹	Status ²	Blackleg Rating ³	Club root Resist. ⁴	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
BASF	InVigor L350PC	LL	CA	R	Yes	45	64	19	98
BASF	InVigor LR354PC	LL/RR	CA	R	Yes	47	64	17	98
BASF	InVigor L233P	LL	CA	R	No	41	61	20	93
BASF	InVigor L340PC	LL	CA	R	Yes	40	60	20	91
BASF	InVigor L343PC	LL	CA	R	Yes	40	59	19	92
BASF	InVigor L345PC	LL	CA	R	Yes	41	61	20	93
BASF	InVigor LR344PC	LL/RR	CA	R	Yes	42	63	21	94
Bayer	DKLL82SC	LL	CA	R	No	38	59	21	88
Bayer	DKLL83SC	LL	CA	R	No	38	57	19	88
Bayer	DKTFL21SC	TFLL	CA	R	No	37	58	21	87
CROPLAN	CP713OLL	LL	CA	R	Yes	41	62	21	92
CROPLAN	CP7144LL	LL	CA	R	Yes	40	60	20	92
CANTERRA SEEDS	CS4000 LL	LL	CA	R	Yes	40	61	20	93
Pioneer	P505MSL	LL	CA	R	Yes	40	59	19	92
Trial Mean						41	61	20	92
C.V. %						1.9	1.3	5.0	1.1
LSD 5%						1.1	1.1	1.4	1.4
LSD 10%						0.9	0.9	1.2	1.2

Planting Date: June 3

Harvest Date: September 22

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

All varieties are tradition oil type.

¹LL-Liberty Link, TFLL-Roundup Ready Truflex- Liberty Link stacked, LL/RR stacked.

²CA-Commercially available

³Blackleg Rating provided by company

⁴Has clubroot resistance gene(s)

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Canola - Liberty Link - 2022- Table 2 **Langdon**

Company/Brand	Variety	Plant Height	Cover ²	Lodging	Oil ¹	Yield ¹		2yr Avg. ³
						2020	2022	
		inches	%	0-9	%	-----lbs/ac-----		
BASF	InVigor L350PC	51	99	1.7	45.2	--	3615	--
BASF	InVigor LR354PC	56	96	1.1	44.1	--	3351	--
BASF	InVigor L233P	48	98	4.5	42.7	3565	3171	3368
BASF	InVigor L340PC	47	100	4.2	41.4	3414	3573	3493
BASF	InVigor L343PC	47	98	3.8	41.6	--	3627	--
BASF	InVigor L345PC	47	99	4.1	41.8	3135	3734	3435
BASF	InVigor LR344PC	46	99	5.5	42.1	3020	3227	3123
Bayer	DKLL82SC	45	100	5.0	41.4	3169	3094	3132
Bayer	DKLL83SC	49	97	3.9	43.5	--	3182	--
Bayer	DKTFLL21SC	46	95	2.9	43.2	3327	2793	3060
CROPLAN	CP7130LL	52	99	4.2	42.7	--	3228	--
CROPLAN	CP7144LL	48	99	2.7	42.9	--	3178	--
CANTERRA SEEDS	CS4000 LL	50	101	4.0	42.9	3321	3237	3279
Pioneer	P505MSL	53	99	5.8	41.9	--	2647	--
Trial Mean		49	99	3.8	42.7	3156	3261	--
C.V. %		5.5	1.8	12.9	1.2	8.2	3.9	--
LSD 5%		3.9	2.5	0.5	0.7	331	122	--
LSD 10%		3.2	2.0	0.4	0.6	277	102	--

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.

³ Average of 2020 and 2022 data.