

**NDSU Langdon Research Extension Center**  
**2024 Variety Trial Data**

**Canola - Roundup Ready - 2024 - Table 1** **Langdon**

Company	Variety	Type <sup>1</sup>	Clubroot Resistance <sup>2</sup>	Blackleg Resistance <sup>3</sup>	Days to 1st Flower	Days Flower Duration	Days to Mature
BASF InVigor	LR354PC	TFLL	Yes	R	42	18	88
BASF InVigor	LR344PC	TFLL	Yes	R	41	18	87
BrettYoung Seeds	BY 6219TF	TF	Yes	R	38	23	88
CANTERRA SEEDS	CS3100 TF	TF	Yes	R	44	22	93
CANTERRA SEEDS	CS3200 TF	TF	Yes	R	43	19	90
CANTERRA SEEDS	CS3300 TF	TF	Yes	R	38	24	88
CROPLAN	CP9978TF	TF	N/A	R	39	22	90
CROPLAN	CP9221TF	TF	Yes	R	38	20	85
Dyna-Gro	DG 781TCM	TF	Yes	R	39	21	88
Dyna-Gro	DG 760TM	TF	No	R	39	20	86
Nuseed	NC527CRTF	TF	Yes	R	39	22	89
Pioneer	P515G	OptiGLY	Yes	R	39	22	87
Proseed	TR23127	TF	Yes	R	41	21	87
Star Specialty Seed	StarFlex	TF	No	R	38	22	87
Trial Mean					41	21	89
C.V. %					1.9	16.8	1.4
LSD 10%					0.9	4.3	1.5

Planting Date: May 31

Harvest Date: September 25

<sup>1</sup>All hybrids are traditional oil types and commercially available. TF-Roundup Ready TruFlex, TFLL-Roundup Ready TruFlex-Liberty Link stacked, OptG=Optimum GLY

<sup>2</sup>Has clubroot resistance gene(s).

<sup>3</sup>Blackleg rating provided by the companies.

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

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**Canola - Roundup Ready - 2024 - Table 2** **Langdon**

Company	Variety	Plant Ht	Cover <sup>2</sup> %	Oil <sup>1</sup> %	Yield <sup>1</sup>				
					2022	2023	2024	2-yr Avg.	3-yr Avg.
BASF InVigor	LR354PC	52	82	45.4	--	2344	3076	2710	--
BASF InVigor	LR344PC	52	76	44.4	--	--	2919	--	--
BrettYoung Seeds	BY 6219TF	53	73	44.4	--	--	2819	--	--
CANTERRA SEEDS	CS3100 TF	52	66	44.3	3382	2609	2457	2533	2816
CANTERRA SEEDS	CS3200 TF	52	100	45.4	--	--	3051	--	--
CANTERRA SEEDS	CS3300 TF	51	63	45.1	--	--	2669	--	--
CROPLAN	CP9978TF	50	83	44.9	2710	2932	2933	2932	2858
CROPLAN	CP9221TF	49	78	43.2	--	2412	2446	2429	--
Dyna-Gro	DG 781TCM	50	80	45.0	--	2526	2753	2639	--
Dyna-Gro	DG 760TM	51	77	44.5	--	2818	2603	2710	--
Nuseed	NCS527CRTF	50	75	45.0	2797	2471	2534	2503	2601
Pioneer	P515G	48	78	46.0	--	2551	2819	2685	--
Proseed	TR23127	50	68	44.9	--	2709	2566	2637	--
Star Specialty Seed	StarFlex	49	81	45.9	3149	2676	2871	2774	2899
Trial Mean		51.3	74.7	44.9	3036	2516	2727	--	--
C.V. %		2.8	11.2	1.4	7.0	5.1	11.3	--	--
LSD 10%		1.7	10.0	0.8	320	297	366	--	--

<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.

No lodging in trial.

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.