

NDSU Langdon Research Extension Center
2023 Variety Trial Data

Canola - Roundup Ready - 2023- Table 1 **Langdon**

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days to 1st Flower	Flower Duration	Days to Mature
BASF	LR354PC	TFLL	CA	Yes	R	47	17	89
Bayer	DK900TF	TF	CA	Yes	R	42	21	85
BrettYoung	BY 6211TF	TF	CA	No	R	40	21	85
Canterra Seeds	CS2600 CR-T	TF	CA	Yes	R	39	21	83
Canterra Seeds	CS3000 TF	TF	CA	Yes	R	37	22	83
Canterra Seeds	CS3100 TF	TF	CA	Yes	R	43	25	92
CROPLAN	CP9221TF	TF	CA	Yes	R	38	22	83
CROPLAN	CP9978TF	TF	CA	No	R	38	24	86
Dyna-Gro	DG 760 TC	TF	CA	Yes	R	39	21	83
Dyna-Gro	DG 781 TCM	TF	CA	Yes	R	42	18	89
Nuseed	NC155 TF	TF	CA	No	R	39	25	89
Nuseed	NC471 TF	TF	CA	No	R	41	22	89
Nuseed	NC527CR TF	TF	CA	Yes	R	39	22	86
Pioneer	P511G	OptG	CA	Yes	R	43	21	87
Pioneer	P515G	OptG	CA	Yes	R	41	21	84
Proseed	TR 23127	TF	CA	Yes	R	42	22	88
Star	StarFlex	TF	CA	No	R	38	25	86
Trial Mean						41	22	87
C.V. %						2.9	6.9	2.4
LSD 5%						2.0	2.5	3.5
LSD 10%						1.7	2.0	2.9

Planting Date: May 25

Harvest Date: September 1

¹All hybrids are traditional oil types. TF-Roundup Ready TruFlex, TFLL-Roundup Ready TruFlex-Liberty Link stacked, OptG=Optimum GLY

²CA-Commercially available

³Has clubroot resistance gene(s)

⁴Blackleg rating provided by the companies.

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

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Canola - Roundup Ready - 2023- Table 2						Langdon	
Company	Variety	Plant Height	Cover ¹	Oil ²	Yield ²		2-yr Avg. ³
					2022	2023	
		in	%	%	-----lbs/a-----		
BASF	LR354PC	55	83	41.1	--	2344	--
Bayer	DK900TF	52	88	42.4	--	2757	--
BrettYoung	BY 6211TF	51	87	40.4	3295	2515	2905
Canterra Seeds	CS2600 CR-T	50	88	42.6	2409	2608	2508
Canterra Seeds	CS3000 TF	49	85	41.6	2929	2578	2754
Canterra Seeds	CS3100 TF	53	83	42.7	3382	2609	2996
CROPLAN	CP9221TF	46	78	40.6	--	2412	--
CROPLAN	CP9978TF	51	90	41.1	2710	2932	2821
Dyna-Gro	DG 760 TC	49	90	41.7	--	2818	--
Dyna-Gro	DG 781 TCM	53	88	42.2	--	2526	--
Nuseed	NC155 TF	53	82	40.8	2963	2412	2687
Nuseed	NC471 TF	53	65	41.8	2360	2072	2216
Nuseed	NC527CR TF	52	90	41.3	2797	2471	2634
Pioneer	P511G	55	72	42.2	--	2391	--
Pioneer	P515G	50	83	41.3	--	2551	--
Proseed	TR 23127	53	80	42.1	--	2709	--
Star	StarFlex	52	92	42.7	3149	2676	2913
Trial Mean		52	84	41.6	3063	2516	--
C.V. %		5.1	10.6	2.3	7.1	5.1	--
LSD 5%		4.4	14.8	1.6	384	341	--
LSD 10%		3.7	12.3	1.3	320	--	--

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 2022 and 2023 data

No lodging in trial