

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

Canola - Roundup Ready - 2021- Table 1										Langdon
Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days	Days	Flower	Duration	Days to Mature
						to 1st Flower	to End Flower			
BrettYoung	BY 6204TF	TF	CA	Yes	R	43	59	16		83
BrettYoung	BY 6207TF	TF	CA	Yes	R	44	62	18		86
BrettYoung	BY 6211TF	TF	CA	No	R	41	59	18		82
Croplan	CP9978TF	TF	CA	No	R	40	58	18		82
Dekalb	DKTF96SC	TF	CA	No	R	44	61	17		84
Dekalb	DKTF99SC	TF	Exp	No	R	41	58	18		82
Dekalb	DKTFLL21SC	TFLL	CA	No	R	39	58	19		79
Dyna-Gro	DG 760TM	TF	CA	No	R	41	59	18		83
Dyna-Gro	DG 761TM	TF	Exp	No	R	42	59	17		82
Integra	7361RC	TF	CA	Yes	R	41	58	18		82
Meridian Seeds	CS2600 CR-T	TF	CA	Yes	R	39	58	19		80
Meridian Seeds	CS3000 TF	TF	CA	Yes	R	38	57	19		81
Nuseed	NC155 TF	TF	Exp	No	R	40	59	19		82
Nuseed	NC401 TF	TF	CA	No	R	40	60	19		82
Nuseed	NC471 TF	TF	Exp	No	R	42	59	17		84
Nuseed	NC527CR TF	TF	Exp	Yes	R	41	58	18		84
Pioneer	45CM39	RR	CA	Yes	R	41	57	16		81
Proseed	EXP2021TF	RR	Exp	N/A	R	39	57	18		80
Star	StarFlex	TF	CA	No	R	41	59	17		82
Trial Mean						41	59	18		82
C.V. %						1.4	0.8	3.4		0.8
LSD 5%						0.5	0.4	0.5		0.6
LSD 10%						0.4	0.4	0.5		0.5

Planting Date: May 24

Harvest Date: August 31

¹All varieties are hybrids with traditional oil type. RR-Roundup Ready, TF-Roundup Ready TruFlex

TFLL-Roundup Ready TruFlex-Liberty Link stacked

²Status: CA-Commercially available, EXP-Experimental

³Has clubroot resistance gene(s).

⁴Blackleg rating provided by the companies.

Previous Crop: Wheat

Soil Type: Svea-Barnes loam

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Canola - Roundup Ready - 2021- Table 2										Langdon
Company	Variety	Plant Ht	Cover ²	Oil ¹	Yield ¹			2-yr Avg.	3-yr Avg.	
					2019	2020	2021			
BrettYoung	BY 6204TF	38	93	42.6	--	2870	1646	2258	--	
BrettYoung	BY 6207TF	41	83	43.8	--	--	1826	--	--	
BrettYoung	BY 6211TF	34	85	41.0	--	--	1262	--	--	
Croplan	CP9978TF	34	80	41.9	4060	3543	1313	2428	2972	
Dekalb	DKTF96SC	37	87	42.0	--	2830	1531	2181	--	
Dekalb	DKTF99SC	35	90	42.9	--	--	1793	--	--	
Dekalb	DKTFLL21SC	34	91	43.0	--	--	1438	--	--	
Dyna-Gro	DG 760TM	37	81	42.3	--	3307	1412	2360	--	
Dyna-Gro	DG 761TM	35	82	43.6	--	3013	1322	2167	--	
Integra	7361RC	35	85	42.8	--	3249	1676	2463	--	
Meridian Seeds	CS2600 CR-T	34	76	43.9	4003	3325	1367	2346	2898	
Meridian Seeds	CS3000 TF	32	81	43.4	--	--	1484	--	--	
Nuseed	NC155 TF	32	84	40.9	--	--	1224	--	--	
Nuseed	NC401 TF	34	93	43.5	--	3552	1668	2610	--	
Nuseed	NC471 TF	35	89	42.4	--	--	1438	--	--	
Nuseed	NC527CR TF	34	93	43.3	--	--	1700	--	--	
Pioneer	45CM39	35	90	46.3	4274	3159	1880	2519	3104	
Proseed	EXP2021TF	36	87	42.5	--	--	1693	--	--	
Star	StarFlex	36	88	43.4	3874	3076	1519	2297	2823	
Trial Mean		35	86	42.9	3931	3209	1537	--	--	
C.V. %		4.2	4.1	0.7	5.1	8.4	8.0	--	--	
LSD 5%		1.4	3.4	0.3	285	384	123	--	--	
LSD 10%		1.1	2.8	0.2	238	320	103	--	--	

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.

No lodging in trial.