

NDSU Langdon Research Extension Center
2022 Variety Trial Data

Canola - Roundup Ready - 2022- Table 1

Langdon

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Oil Type ⁵	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
									Days	
BASF	LR344PC	LL/RR	CA	Yes	R	Trad.	41	62	21	94
Bayer	DKTFLL21SC	TFLL	CA	No	R	Trad.	38	59	21	89
BrettYoung	BY 6211TF	TF	CA	No	R	Trad.	39	60	21	91
Cargill	V25-3T	TF	CA	Yes	R	HO	43	64	21	94
Cargill	V25-5T	TF	CA	Yes	R	HO	45	64	18	96
CROPLAN	CP9978TF	TF	CA	No	R	Trad.	39	59	20	92
Integra	7361RC	TF	CA	Yes	R	Trad.	40	60	20	91
CANTERRA SEEDS	CS2600 CR-T	TF	CA	Yes	R	Trad.	38	57	19	88
CANTERRA SEEDS	CS3000 TF	TF	CA	Yes	R	Trad.	37	57	20	90
CANTERRA SEEDS	CS3100 TF	TF	CA	Yes	R	Trad.	44	65	20	97
Nuseed	NC155 TF	TF	CA	No	R	Trad.	38	61	24	91
Nuseed	NC471 TF	TF	CA	No	R	Trad.	40	60	20	92
Nuseed	NC527CR TF	TF	CA	Yes	R	Trad.	39	61	22	92
Pioneer	45M35	RR	CA	No	MR	Trad.	41	62	21	92
Star	StarFlex	TF	CA	No	R	Trad.	40	62	21	93
Trial Mean							41	61	21	92
C.V. %							1.4	1.7	4.7	1.4
LSD 5%							0.8	1.5	1.4	1.8
LSD 10%							0.7	1.3	1.1	1.5

Planting Date: June 3

Harvest Date: September 22

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

¹RR-Roundup Ready, TF-Roundup Ready TruFlex, TFLL-Roundup Ready TruFlex-Liberty Link stacked, LL/RR stacked

²CA-Commercially available, EXP-Experimental

³Has clubroot resistance gene(s).

⁴Blackleg rating provided by the companies.

⁵Trad.-Tradional, HO-High Oleic

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Canola - Roundup Ready - 2022- Table 2							Langdon	
Company	Variety	Plant		Lodging	Oil ¹	Yield ¹		2-yr Avg. ³
		Ht	Cover ²			2020	2022	
		in	%	0-9	%	-----lbs/a-----		
BASF	LR344PC	45	99	3.1	41.5	--	2954	--
Bayer	DKTFLL21SC	45	99	3.4	40.9	--	3148	--
BrettYoung	BY 6211TF	45	99	2.8	40.6	--	3295	--
Cargill	V25-3T	51	100	0.3	41.9	--	3072	--
Cargill	V25-5T	55	100	0.0	43.3	--	3675	--
CROPLAN	CP9978TF	45	98	3.8	41.7	3543	2710	3127
Integra	7361RC	45	97	3.6	40.9	3249	2657	2953
CANTERRA SEEDS	CS2600 CR-T	46	99	3.7	41.5	3325	2409	2867
CANTERRA SEEDS	CS3000 TF	45	98	3.6	41.5	--	2929	--
CANTERRA SEEDS	CS3100 TF	48	98	2.3	42.2	--	3382	--
Nuseed	NC155TF	49	100	2.0	41.6	--	2963	--
Nuseed	NC471TF	47	100	1.8	42.3	--	2360	--
Nuseed	NC527CRTF	48	99	3.2	42.0	--	2797	--
Pioneer	45M35	48	99	2.3	44.1	--	3511	--
Star	StarFlex	45	97	2.0	41.8	3076	3149	3113
Trial Mean		48	99	2.5	42.0	3209	3245	--
C.V. %		5.9	1.7	15.1	1.0	8.4	7.1	--
LSD 5%		4.1	2.5	0.3	0.6	384	204	--
LSD 10%		3.4	2.0	0.3	0.5	320	170	--

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.