

**NDSU Langdon Research Extension Center
2019 Variety Trial Data**

Canola - Roundup Ready - 2019- Table 1

Langdon

Company	Variety	Type ¹	Status ²	Clubroot Resistance ³	Blackleg Resistance ⁴	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Mature
BrettYoung	4187 RR	RR	CA	Yes	R	50	65	15	97
BrettYoung	6074 RR	RR	CA	No	R	47	63	16	96
BrettYoung	6090 RR	RR	CA	Yes	R	49	64	15	95
Canterra Seeds	CS2100	RR	CA	No	R	47	63	17	95
Canterra Seeds	CS2300	RR	CA	No	R	47	65	17	96
Canterra Seeds	CS2600 CR-T	TF	CA	Yes	R	45	62	17	94
CROPLAN	CP930RR	RR	CA	No	R	45	61	17	94
CROPLAN	CP955RR	RR	CA	Yes	R	45	62	17	94
CROPLAN	CP9919RR	RR	CA	No	R	44	58	14	89
CROPLAN	CP9978TF	TF	CA	No	R	46	63	17	95
CROPLAN	CP9982RR	RR	CA	Yes	R	48	64	16	97
Dekalb	DKTF91SC	TF	CA	No	R	43	61	18	90
Dekalb	DKTF92SC	TF	CA	No	R	45	61	17	94
Dyna-Gro	DG 533G	RR	CA	No	R	48	64	17	94
Dyna-Gro	DG 540G	RR	CA	No	R	48	65	17	95
Integra	7389RT	TF	Exp	No	R	46	63	17	95
Pioneer	45CM39	RR	CA	Yes	R	46	61	15	95
Pioneer	45M35	RR	CA	No	R	48	63	16	95
Proseed	300 Mag	RR	CA	No	R	47	63	16	95
Proseed	PS 5000	RR	CA	Yes	R	47	62	16	93
Star	Star 402	RR	CA	No	R	45	62	17	94
Star	StarFlex	TF	CA	No	R	46	61	16	93
Trial Mean						46	63	16	94
C.V. %						1.6	1.4	6.7	1.2
LSD 5%						1.0	1.2	1.5	1.6
LSD 10%						0.8	1.0	1.3	1.3

Planting Date: May 17. Harvest Date: September 6

¹All varieties are Hybrids and Traditional Oil Types. RR-Roundup Ready, TF-Roundup Ready TruFlex

²Status: CA-Commercially available, EXP-Experimental

³ Has clubroot resistance gene.

⁴Blackleg Rating: R-Resistant. Ratings provided by the company.

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Canola - Roundup Ready - 2019 - Table 2										Langdon
Company	Variety	Plant		Cover ²	Oil ¹	Yield ¹			2-yr Avg.	3-yr Avg.
		Ht	Lodging			2017	2018	2019		
		in	0-9	%	%	-----lbs/a-----				
BrettYoung	4187 RR	49	0.0	92	46.7	4257	3596	3936	3766	3930
BrettYoung	6074 RR	47	0.2	96	46.6	--	3237	4354	3795	--
BrettYoung	6090 RR	47	1.4	95	45.3	--	3214	3986	3600	--
Canterra Seeds	CS2100	47	1.9	97	47.4	3959	3312	3971	3641	3747
Canterra Seeds	CS2300	48	1.1	97	47.0	4430	3382	4273	3828	4028
Canterra Seeds	CS2600 CR-T	47	4.1	97	47.2	--	--	4003	--	--
CROPLAN	CP930RR	44	1.6	97	49.0	3676	3189	3710	3450	3525
CROPLAN	CP955RR	47	1.3	98	48.3	3575	3161	3837	3499	3524
CROPLAN	CP9919RR	45	1.3	93	44.4	--	--	3477	--	--
CROPLAN	CP9978TF	44	1.2	95	47.0	--	--	4060	--	--
CROPLAN	CP9982RR	49	0.1	97	44.5	--	--	4136	--	--
Dekalb	DKTF91SC	44	0.7	98	46.4	--	--	3910	--	--
Dekalb	DKTF92SC	45	0.9	98	45.0	--	--	4020	--	--
Dyna-Gro	DG 533G	47	0.0	92	45.7	3951	3156	3905	3530	3671
Dyna-Gro	DG 540G	44	0.0	93	45.6	4165	3382	3992	3687	3846
Integra	7389RT	46	1.6	96	46.3	--	--	4038	--	--
Pioneer	45CM39	44	0.4	99	48.6	--	--	4274	--	--
Pioneer	45M35	46	0.2	100	48.0	4583	3338	4161	3749	4027
Proseed	300 Mag	44	4.2	96	46.4	4119	3125	3420	3272	3555
Proseed	PS 5000	47	4.1	92	44.7	3725	3275	3496	3386	3499
Star	Star 402	43	2.1	98	49.4	4155	3473	3865	3669	3831
Star	StarFlex	43	1.9	95	47.5	--	--	3874	--	--
Trial Mean		45	1.5	96	46.8	3868	3198	3931	--	--
C.V. %		5.7	64.3	2.1	1.8	9.4	6.6	5.1	--	--
LSD 5%		3.6	1.3	2.9	1.2	512	297	284	--	--
LSD 10%		3.0	1.1	2.4	1.0	428	248	238	--	--

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.