

RR Canola Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Company / Brand	Days to Flower (DAP*)	Flower Duration (days)	Days to Maturity (DAP*)	Lodging (0 - 9*)	Oil†			Test Weight (lb/bu)	Yield		
						2019 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2019 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
CP930RR	CROPLAN	58	11	100	0	43.6	43.0	42.4	48.4	1979	2246	2805
CP955RR	CROPLAN	57	14	100	0	44.1	42.8	42.2	48.4	2081	2172	2771
6074 RR	BrettYoung	60	12	97	0	43.8	41.6	41.3	48.7	2208	2118	2693
Star 402	Santerra Seed	56	13	99	0	44.4	43.0	43.0	48.9	1821	2125	2662
300 Mag	Proseed	56	16	101	0	42.9	41.8	-	48.9	1959	2882	-
PS 5000	Proseed	58	13	99	0	41.3	40.6	-	49.4	1913	2545	-
4187 RR	BrettYoung	59	14	98	0	43.3	42.1	-	48.6	2131	2191	-
6090 RR	BrettYoung	60	10	98	0	42.4	41.1	-	49.5	1967	2110	-
CP9978TF	CROPLAN	58	12	100	0	41.7	-	-	49.2	1995	-	-
Starflex	Santerra Seed	56	13	98	0	42.6	-	-	49.2	1851	-	-
CP9982RR	CROPLAN	60	13	100	0	42.1	-	-	48.3	1654	-	-
CP9919RR	CROPLAN	55	13	96	0	40.5	-	-	48.9	1631	-	-
MEAN		57.8	12.6	99.0	0.0	42.93	42.01	42.22	48.87	1959.9	2298.6	2732.8
C.V. (%)		4.0	19.1	2.5	-	2.41	-	-	2.19	13.2	-	-
LSD (5%)		3.3	3.4	3.6	ns	1.48	-	-	ns	366.2	-	-
LSD (10%)		2.7	2.9	3.0	ns	1.23	-	-	ns	304.6	-	-

\* Days after planting † 0: no lodging - 9: plants lying flat on the ground † Oil content adjusted to 8.5% moisture

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W

Elevation: 1902 ft

Soil test (0-6 in.): P=13 ppm; K=313 ppm; pH=7.6 ; OM=3.1%

Previous crop: Corn

(0-24 in.): NO3-N=15 lb/a

Planted: 5/6/2019

Yield goal: 2,500 lb/a

Harvested: 8/28/2019

Planting population: 260,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 125 lb/a of AMS (21-0-0-24S) and 171 lb/a of Urea (46-0-0)

Plot size: 61 ft<sup>2</sup>

Herbicides applied: Sonolan HFP 1.5 pt/a (5/10), Cornerstone 5 Plus 24 oz/a and Class Act 24 oz/a (6/13),

Rainfall: 9.4 in. (5/6 - 8/28)

Section 3EC 5.33 oz/a, 28-0-0 2 qt/a, and Destiny HC 1.5 pt/a (6/24)

Fungicides applied: Priaxor D 8 oz/a (7/12)