

Roundup Ready Canola Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2018

Variety	Company / Brand	Days to Flower (DAP <sup>+</sup> )	Flower Duration (Days)	Days to Maturity (DAP <sup>+</sup> )	Plant Lodge (0 - 9 <sup>*</sup> )	Plant Height (inch)	Oil†		Test Weight (lb/bu)	Yield	
							2018 (%)	2-Yr Avg (%)		2018 (lb/a)	2-Yr Avg (lb/a)
HyClass 930	Croplan	47	15	95	6	35	42.4	41.8	49.9	2513	3219
HyClass 955	Croplan	46	11	96	6	32	41.4	41.3	50.3	2264	3116
Star 402	Star	48	15	102	6	41	41.7	42.3	49.2	2428	3083
6074 RR	BrettYoung	50	20	103	6	40	39.4	40.1	47.9	2027	2935
HyClass 730	Croplan	46	15	95	6	35	42.2	-	50.1	2258	-
6090 RR	BrettYoung	55	16	106	5	43	39.8	-	46.8	2254	-
4187 RR	BrettYoung	52	17	103	6	45	40.9	-	48.0	2251	-
CS2100	Canterra Seeds	49	20	103	5	39	39.1	-	49.7	1722	-
CS2300	Canterra Seeds	54	19	103	5	42	38.5	-	46.6	1524	-
<b>MEAN</b>		50.3	16.2	101.0	5.4	39.8	40.41	41.35	48.61	2123.79	3088.13
<b>C.V. (%)</b>		-	-	-	-	-	2.94	-	0.86	25.55	
<b>LSD (5%)</b>		-	-	-	-	-	1.74	-	0.61	797.21	
<b>LSD (10%)</b>		-	-	-	-	-	1.45	-	0.51	660.86	

\* 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

Soil test to (0-6"): P=24 ppm; K=207 ppm; pH=7.8; OM=2.3%  
(0-24"): NO3-N= 42 lb/a

Applied fertilizer in lb/a broadcast: 124 lbs of 46-0-0 (5/1/2018)

Yield goal: 2500 lb/a

Planting population: 8 lbs/a

Herbicides applied: Cornerstone Plus 24 oz/a, Class Act 1 gal/100 gal (6/8/2018)

Fungicides applied: Quadris 15 oz/a (7/13/2018)

Elevation: 1902 ft

Previous crop: Barley

Planted: 5/8/2018

Harvested: 8/23/2018

Soil Type: Lihen Loamy Fine Sand

Plot size: 48.75 ft<sup>2</sup>

Rainfall: 8.5 in (5/8/2018 - 8/23/2018)

Irrigation: 8.4 in (5/8/2018 - 8/23/2018)