

RR Canola Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Days to Flower (DAP*)	Days to Maturity (DAP*)	Plant Height (in)	Lodging (0 - 9 ⁺)	Oil [†]			Test Weight (lb/bu)	Yield		
					2020	2-Yr Avg	3-Yr Avg		2020	2-Yr Avg	3-Yr Avg
					(%)	(%)	(%)		(lb/a)	(lb/a)	(lb/a)
Star 402	54	95	42	1	42.0	43.2	42.7	51.5	2298	2060	2183
6090RR	55	99	45	1	39.1	40.8	40.4	50.4	2130	2048	2117
CP955RR	53	97	41	0	41.7	42.9	-	51.8	2712	2397	-
CP930RR	52	96	41	1	41.9	42.8	-	51.3	2771	2375	-
CP9978TF	53	98	38	1	39.9	40.8	-	51.7	2612	2303	-
StarFlex	54	96	43	1	40.3	41.4	-	52.1	2308	2080	-
CP9919RR	54	98	30	4	37.2	38.8	-	50.5	1820	1726	-
BY6204TF	55	96	43	1	37.8	-	-	50.8	2500	-	-
MEAN	53.7	96.7	40.4	1.2	39.99	41.53	41.57	51.27	2394.1	2141.2	2149.8
C.V. (%)	3.8	1.8	7.1	57.7	3.11	-	-	1.56	10.5	-	-
LSD (5%)	3.0	2.6	4.2	2.1	1.83	-	-	1.17	369.9	-	-
LSD (10%)	2.5	2.1	3.5	0.8	1.52	-	-	0.97	306.0	-	-

* 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=24 ppm; K=158 ppm; pH=7.9; OM=2.9 %

Previous crop: Durum

(0-24 in.): NO3-N=29 lb/a

Planted: 5/5/2020

Yield goal: 2,500 lb/a

Harvested: 8/19/2020

Planting population: 520,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizers applied: 125 lb/a of AMS (21-0-0-24S) [5/8], 197 lb/a of Urea (46-0-0) [5/11]

Plot size: 61 ft²

Herbicides applied: Sonolan HFP (1.5 pt/a) [5/11], Cornerstone (24oz/a) and

Rainfall: 4.6 inches [5/5 - 8/19]

Class Act (1pt/100gal) [6/24]

Fungicide applied: Proline (5oz/a) [7/6]

Irrigation: 10.2 in [5/5 - 8/19]