

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 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Star 402	54	95	42	1	45.9	45.1	44.0	25.7	2298.4	2059.7	2182.5
6090RR	55	99	45	1	42.7	42.6	41.7	25.2	2130.4	2048.5	2117.0
CP955RR	53	97	41	0	45.5	44.8	-	25.9	2712.5	2396.7	-
CP930RR	52	96	41	1	45.8	44.7	-	25.6	2770.6	2374.8	-
CP9978TF	53	98	38	1	43.6	42.7	-	25.9	2611.6	2303.4	-
StarFlex	54	96	43	1	44.0	43.3	-	26.1	2308.5	2079.8	-
CP9919RR	54	98	30	4	40.7	40.6	-	25.3	1820.5	1725.5	-
NC355 TF	55	99	40	1	46.0	-	-	25.8	2700.2	-	-
BY6204TF	55	96	43	1	41.4	-	-	25.4	2500.2	-	-
NC401 TF	55	99	38	2	43.9	-	-	26.1	2461.8	-	-
True Flex	56	99	40	1	43.5	-	-	26.0	2170.1	-	-
MEAN	54.1	97.2	40.1	1.1	43.91	43.40	42.83	25.72	2407.69	2141.19	2149.79
C.V. (%)	3.7	1.6	7.9	80.4	3.11	-	-	1.35	12.32	-	-
LSD (5%)	2.9	2.2	4.6	1.3	1.97	-	-	0.50	428.51	-	-
LSD (10%)	2.4	1.8	3.8	1.1	1.64	-	-	0.42	356.12	-	-

* 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: Field Pea

(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

Applied fertilizer: 125 lb/a of AMS [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), Class Act (1pt/100gal) [6/24]

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

Fungicides applied: Proline (5oz/A) [7/6]

Irrigation: