

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Conventional Canola Irrigated Variety Trial

WREC, Nesson Valley, ND 2017

Variety	Company/B rand	Days to flower (DAP ⁺)	Flower duration (Days)	Days to mature (DAP ⁺)	Plant height (in)	Lodging (0-9 [*])	Oil [†] (%)	Test weight (lb/bu)	Yield (lb/a)
C5507	Cibus	47	20	95	45	1	38.4	47.1	2668.9
DG 200CL	Dyna-Gro	52	16	98	45	0	36.6	49.2	2446.7
C5522	Cibus	50	19	95	46	0	37.7	46.9	2279.5
C5513	Cibus	54	14	99	47	1	37.7	46.3	1876.5
Mean		50.5	17.0	96.4	46.0	0.3	37.61	47.39	2317.90
C.V. (%)		-	-	-	-	-	1.47	1.75	13.02
LSD (5%)		-	-	-	-	-	0.88	1.33	482.72
LSD (10%)		-	-	-	-	-	0.71	1.07	391.17

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Previous crop: Durum

Planted: 5-2-2017

Harvested: 8-23-2017

Plot size: 48.75 ft²

Soil type: Lihen Loamy Fine Sand

Soil test to (0-6"): P=16 ppm; K=195 ppm; pH=7.6; OM=2.2%

(0-24"): NO₃-N=52 lb/a

Applied fertilizer in lb/a broadcast: 319 lbs of Urea (46-0-0)

Yield goal: 2,500 lbs/a

Planting population: 720,000 seeds/a

Herbicides applied: Sonolan 2pt/a (5/4/2017), Section 2EC 8oz/a + Trophy Gold 2qt/100gal H₂O (6/26/2017),

Fungicides applied: Priaxor 8oz/a (6/28/2017)

Rainfall: 5.75 in. (5/2/2017 - 8/23/2017)

Irrigation: 12.8 in. (5/2/2017 - 8/23/2017)

⁺Days After Planting

^{*}0: no lodging - 9: plants lying flat on ground

[†]Oil content adjusted to a 8.5% moisture