

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Carinata Irrigated Variety Trial

WREC, Nesson Valley, ND 2017

Variety	Company/ Brand	Days to flower (DAP ⁺)	Flower duration (Days)	Days to mature (DAP ⁺)	Plant height (in)	Lodging (0-9 [*])	Oil [†] (%)	Test weight (lb/bu)	Yield	
									2017 (lb/a)	2-Yr Avg (lb/a)
A120	Agrisoma	56	13	101	45	1	33.1	52.0	2681.6	3292.8
L140P ^{**}	Bayer	52	15	97	46	1	36.8	49.6	2740.2	3236.1
DH-40.008	Agrisoma	57	16	105	49	0	34.0	52.4	2712.1	-
DH-146.842	Agrisoma	59	11	109	27	0	36.1	51.5	2342.5	-
DH-69.485	Agrisoma	60	11	105	43	0	33.9	52.1	2174.8	-
DH-56.149	Agrisoma	60	11	105	47	0	30.9	52.7	2142.9	-
Mean		57.3	12.9	103.7	42.7	0.4	34.14	51.71	2465.68	3264.45
C.V. (%)		-	-	-	-	-	2.47	0.49	15.43	-
LSD (5%)		-	-	-	-	-	1.56	0.46	702.01	-
LSD (10%)		-	-	-	-	-	1.26	0.38	568.87	-

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

Planted: 5-2-2017

Plot size: 48.75 ft²

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: 6.74 in. (5/2/2017 - 9/7/2017)

Irrigation: 12.8 in. (5/2/2017 - 9/7/2017)

^{**}Canola variety used as check

⁺Days After Planting

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

[†]Oil content adjusted to a 8.5% moisture

Previous crop: Durum

Harvested: 9-7-2017

Soil type: Lihen Loamy Fine Sand