

## Carinata Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2016

Variety	Origin	Days to flower (DAP <sup>+</sup> )	Flower duration (Days)	Days to mature (DAP <sup>+</sup> )	Plant height (in)	Lodging (0-9*)	Oil <sup>†</sup> (%)	Test weight (lb/bu)	Yield (lb/a)
20.111	Agrisoma	50	20	107	38.2	2	33.9	51.0	4387
5223	Agrisoma	51	21	105	40.4	2	34.9	51.9	3989
A120	Agrisoma	51	20	106	44.7	1	34.1	52.0	3904
M-01	Agrisoma	53	20	104	37.7	2	33.6	51.4	3763
L140P <sup>‡</sup>	Bayer	47	14	98	37.6	2	38.5	51.2	3732
3A22.1	Agrisoma	49	21	103	35.2	2	33.0	52.4	3545
Mean		50.0	19.1	103.8	39.0	1.8	34.6	51.7	3886.5
C.V.		4.3	9.6	2.2	8.1	50.1	3.5	0.6	12.6
LSD 5%		3.2	2.8	3.5	4.8	NS	1.8	0.4	740.4
LSD 10%		2.6	2.3	2.9	3.9	NS	1.5	0.4	608.9

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

Previous crop: Barley

Planted: 5/6/2016

Harvested: 8/26/2016

Plot size: 52.5 ft<sup>2</sup>

Soil type: Lihen Loamy Fine Sand

Applied fertilizer in broadcast: 260 lbs/a of 46-0-0

Soil test to 6": 16-ppm P, 200- ppm K, OM-2.0 pH-8.5

Soil test to 2' : 38 lbs N/a

Yield goal: 2500 lbs/a

Planting population: 523,000 seeds/a

Herbicides applied: Assure II 7 oz/a (6/10/2106) and Priaxor D 8 oz/a (7/8/2016)

Rainfall: 7.46 in. (5/6/2016 - 8/26/2016)

Irrigation: 7.5 in. (5/6/2016 - 8/26/2016)

+ Days after planting

\* 0: no lodging - 9: plants lying flat on ground

† Oil content adjusted to a 8.5% moisture

‡ Canola variety used as check