

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Roundup Ready Canola 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)
Star 402	Star Specialty Seed	51	21	100	48	1	42.8	48.9	3738.4	4326.4
6074 RR	BrettYoung	54	19	103	51	0	40.8	47.8	3843.0	4255.8
HyCLASS 955	Croplan	49	23	97	46	1	41.1	49.4	3966.6	-
HyCLASS 930	Croplan	50	21	98	44	0	41.2	49.4	3923.7	-
300 Mag	Proseed	52	21	102	47	1	40.8	48.4	3805.2	-
6080 RR	BrettYoung	51	19	95	49	1	39.3	47.9	3664.1	-
7150RR	Integra	51	21	97	45	1	40.4	48.8	3582.0	-
HyCLASS 970	Croplan	51	22	100	47	0	40.6	48.5	3325.2	-
DG 533G	Dyna-Gro	52	19	99	46	0	39.9	48.3	3283.7	-
PS 5000	Proseed	52	20	98	48	1	40.0	48.5	3177.1	-
Mean		51.3	20.5	98.8	47.1	0.5	40.69	48.60	3630.89	4291.10
C.V. (%)		-	-	-	-	-	1.89	1.49	16.71	-
LSD (5%)		-	-	-	-	-	1.12	1.05	880.46	-
LSD (10%)		-	-	-	-	-	0.93	0.87	730.90	-

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), Cornerstone 5 Plus 24oz/a + Class Act 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

‡2 year average based on 2015 and 2017 yields

Previous crop: Durum

Harvested: 8-23-2017

Soil type: Lihen Loamy Fine Sand