

Canola Dryland Roundup Ready Variety Trial - NDSU

WREC, Williston, ND

Variety	Company/ Brand	Plant Height	Days to Maturity	Days to Flowering	Flowering Duration	Oil Content ¹	Yield		
							2018	2 yr avg*	3-yr avg**
		(in)	(DAP ²)	(DAP ²)	(days)	(%)	------(lb/a)-----		
4187 RR	BrettYoung	34	87	47	12	45.8	981	-	-
6074 RR	BrettYoung	31	90	45	14	47.0	1216	1465	1328
6090 RR	BrettYoung	37	89	40	19	45.6	683	-	-
11H4030	Cargill	25	83	41	16	44.9	893	-	-
15RH1142	Cargill	33	89	47	12	44.8	1096	-	-
15RH1167	Cargill	35	88	47	12	45.5	1010	-	-
HyCLASS 730	Cropland	30	86	42	15	48.0	1160	-	-
HyCLASS 930	Cropland	29	85	42	15	48.7	1059	1577	-
HyCLASS 955	Cropland	25	85	43	15	46.6	971	1604	-
300 MAG	Proseed	30	88	45	13	46.9	1166	-	-
PS 5000	Proseed	37	88	46	12	45.8	1001	-	-
Star 402	Star	33	87	45	13	47.6	949	1591	1413
Mean		32	87	44	14	46.4	1015	-	-
CV%		8.9	1.5	2.5	8.3	2.6	15	-	-
LSD 0.05		4.0	1.8	1.6	1.6	1.7	219	-	-
LSD 0.10		3.4	1.5	1.3	1.3	1.4	183	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft.

Harvested on: 08/14/2018.

Planted on: 05/14/2018.

Previous crop: Cover crop.

Soil test (0-6"): P=28 ppm; K=332 ppm; pH=6.7; OM=3.0%.

Soil type: Williams-Bowbells loam.

(0-24"): NO3-N=14 lb/a.

Applied fertilizers in lb/a: N=74; P₂O₅=20; K₂O=5; S=1.

Chemical applications: 8 oz./a of Secure, 8 oz/a of Stinger and 24 oz/a of RT3 applied 6/6/2018.

¹Seed Oil Content = Oils are reported on a oven dried basis, 120 ° F for 4 hours.

*Averages of years 2016 and 2017. **Averages of years 2015, 2016, and 2017

²DAP: Days after planting.

Note: Trial received heavy rain, wind, and hailstorms that damaged the crop and adversely affected yield:

06/23/2018: Wind speed=46 mph; Precipitation=1.53".

06/28/2018: Wind speed=61 mph; Precipitation=0.94"; Hail.

07/09/2018: Wind speed=48 mph; Precipitation=1.67".