

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Dryland Canola Roundup Ready Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Brand/Company	Days to Flower	Days to Mature	Plant Height	Seed Oil Content ²			Yield		
		DAP ¹	DAP ¹	inches	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg
					(%)	(%)	(%)	(lb/a)	(lb/a)	(lb/a)
Star 402	Star Specialty Seed	52	93	31	42.1	44.3	44.4	944	1590	1552
HyCLASS 955	Croplan	52	92	33	41.0	42.3	42.8	1035	1604	1518
HyCLASS 930	Croplan	51	92	31	41.1	43.8	43.6	995	1577	1480
7150RR	Integra	51	90	32	39.4	42.5	43.4	800	1428	1422
6074 RR	BrettYoung	55	101	31	36.8	41.0	-	693	1465	-
6080 RR	BrettYoung	53	96	32	38.4	41.7	-	748	1488	-
CS2100	Canterra Seeds	54	95	32	37.9	41.3	-	891	1498	-
CS2000	Canterra Seeds	54	97	33	37.8	40.5	-	832	1555	-
PS 5000	Proseed	53	95	36	38.9	-	-	905	-	-
300 Mag	Proseed	53	97	32	40.3	-	-	862	-	-
DG 533G	Dyna-Gro	54	97	31	38.8	-	-	820	-	-
HyCLASS 970	Croplan	53	98	32	39.6	-	-	804	-	-
CS2300	Canterra Seeds	56	100	34	37.2	-	-	621	-	-
Mean		53.1	95.3	32.3	39.18	-	-	842.4	-	-
CV (%)		0.9	1.8	5.6	2.3	-	-	14.0	-	-
LSD (5%)		0.7	2.4	2.5	1.28	-	-	162.1	-	-
LSD (10%)		0.6	2.0	2.1	1.06	-	-	135.3	-	-

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

Previous crop: Oats/HRSW

Planted: 5/4/2017

Harvested: 8/14/2017

Soil test (0-6"): P=25 ppm; K=322 ppm; pH=6.5; OM=2.4%

Soil type: Williams-Bowbells loam

(0-24"): NO₃-N=13 lb/a

Applied fertilizers in lb/a: N=83.98; P=20; K=0; S = 24.62

Chemical Applications: 1 qt./a RT3, 2 pt./a LV6 (preplant fall applied)

DAP¹= Days after planting

Seed Oil Content²= Oils are reported on a oven dried basis, 120 °F for 4 hours