

2013 Canola Row Spacing x Seeding Rate Trial

North Central Research Extension Center, Minot

Row Spacing	Seeding Rate	Days to Bloom	Duration of Bloom	Oil Content	Seed Yield
inches	1000's	DAP*	days	%	lbs/A
7	300	44	25	42.9	2348
7	450	44	26	41.8	2715
7	600	44	24	43.6	2177
7	750	44	25	41.9	2196
15	300	44	26	40.3	2561
15	450	44	25	42.0	2252
15	600	44	25	42.1	2387
15	750	44	26	40.8	2426
30	300	44	26	38.9	2208
30	450	44	24	40.0	2101
30	600	44	26	38.7	2188
30	750	44	27	40.8	2018
C.V.%		0.0	4.4	4.0	10.5
LSD 10%		NS	1	2.0	289

Combined Means—Row Spacing

Row Spacing	Days to Bloom	Duration of Bloom	Oil Content	Seed Yield
inches	DAP*	days	%	lbs/A
7	44	25	42.5	2359
15	44	25	41.3	2407
30	44	26	39.6	2129
LSD 10%	NS	NS	1	158

Oil content decreased as row width increased. Seed yield was similar for 7 and 15 inch rows and significantly higher than the 30 inch row spacing.

Combined Means—Seeding Rate

Seeding Rate	Days to Bloom	Duration of Bloom	Oil Content	Seed Yield
1000's	DAP*	days	%	lbs/A
300	44	26	40.7	2372
450	44	25	41.3	2356
600	44	25	41.5	2251
650	44	26	41.1	2213
LSD 10%	NS	1	NS	NS

Oil content and seed yields were not statistically different for seeding rates.

*Days after planting.

Planting Date: May 17, 2013
Harvest Date: September 6, 2013
Soil Type: Williams Loam

Variety: HyCLASS 947
Previous Crop: durum