

Canola Conventional Variety Trial**WREC, Williston - 2015**

Variety	Brand/Company	Stand %	Days to Flower DAP ¹	Flower Duration days	Days to Mature DAP ¹	Plant Height inches	Shatter %	Oil ² %	Yield ³ lb/a
InVigor L140P (LL)	Bayer Crop Science	94	54	12	100	35	3	36.7	1468
InVigor L130 (LL)	Bayer Crop Science	90	54	11	99	40	11	38.1	1218
C1516 (SU)	Cibus	91	58	17	107	41	6	36.3	1209
C1511 (SU)	Cibus	85	54	17	100	41	10	34.9	1159
InVigor L120 (LL)	Bayer Crop Science	84	55	13	99	38	9	37.9	1139
Mean		88.8	54.8	13.8	100.8	39.1	7.8	36.77	1238.5
C.V.%		7.5	2.2	13.8	1.9	9.1	64.2	0.8	9.6
LSD 5%		NS	1.8	2.9	3.0	5.5	7.7	0.46	182.6
LSD 10%		8.4	1.5	2.4	2.4	4.5	6.3	0.38	149.4

Location of the WREC: Latitude 48 8'; Longitude 103 44'W; Elevation 2105 ft

Planted: 4/24/15

Harvested: 8/11/15

Harvested area: 56 ft²

Previous crop: green peas

Applied fertilizer in lb/a: 6 N : 26 P₂O₅ : 0 K₂O

Soil type: Williams-Bowbells loam

Soil test to 6" in ppm: 21P : 317K OM-1.8 pH-6.5

Soil test to 24" in lb/a: 35N

Previous Crop Credit: 40N

Chemical Applications: Tombstone Helios 2.5fl.oz/a for flea beetle control (5/28 & 6/9)

LL = Liberty Link, SU = sulfonylurea trait with tolerance to Draft herbicide

DAP¹ = Days after planting

Oil² = Oil content adjusted to 8.5% moisture

Yield³ = Yield content adjusted to 8.5% moisture

Lodging & Shatter = 7/28/15 - had sustained westerly winds of 20-40mph nearly all day with gusts over 50mph with 0.27 inch rainfall so all varieties lodged significantly to the east. When harvested 8/11/15, stands had straightened back up, so did not take individual ratings. Did take shatter ratings just prior to harvest (8/11/15) because the windy and rainy day caused pods that were more mature to split open. The varieties that were not as far along when the windy day occurred faired better in regards to pod/seed shatter.