

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Canola - Liberty Link and Clearfield Cultivars

Carrington (Page 1 of 2)

Brand	Cultivar	Weed Trait ¹	Status ²	Plant Type ³	Oil Type ⁴	Black Leg ⁵	Days to Bloom	Bloom Duration	Days to PM	Plant Lodge	Plant Height	1000 KWT	Test Weight	Oil Content	-- Seed Yield --			
															2011	3-yr. Avg.		
															lb/bu	%@8.5%M	----- lb/ac	-----
Pioneer	46H75	CL	CA	Hyb	Trad	R	48.0	16.5	85.0	3.8	49.8	2.45	51.8	40.0	1468	--		
Pioneer	45H73	CL	CA	Hyb	Trad	R	43.5	16.0	76.5	3.0	47.9	2.36	51.3	42.2	1891	--		
Mycogen	2012 CL	CL	CA	Hyb	HO	R	44.8	16.8	84.0	3.8	45.5	2.98	51.6	40.6	1422	--		
Mycogen	2014 CL	CL	CA	Hyb	HO	MR	46.8	17.3	83.0	2.8	46.3	2.45	52.1	41.3	1257	--		
Mycogen	CL166102H	CL	Exp	Hyb	HO	R	45.5	16.5	81.3	5.0	47.7	2.69	51.5	41.7	1434	--		
Mycogen	CL166103H	CL	Exp	Hyb	HO	R	46.0	17.0	82.8	3.3	49.5	2.66	51.6	41.4	1502	--		
Croplan Genetics	XCEED Oasis CL	CL	CA	OP	Trad	R	36.5	21.5	74.8	4.5	45.7	2.31	51.3	40.3	1361	--		
Bayer CropScience	InVigor 5440	LL	CA	Hyb	Trad	R	46.5	15.5	83.8	1.5	46.6	2.60	52.1	41.3	1926	1915		
Bayer CropScience	InVigor 8440	LL	CA	Hyb	Trad	R	44.5	15.8	81.8	2.8	44.9	2.66	51.1	41.4	1984	1898		
Bayer CropScience	InVigor L130	LL	CA	Hyb	Trad	R	44.3	15.5	79.0	3.8	46.9	2.56	51.9	42.0	1657	--		
Bayer CropScience	InVigor L150	LL	CA	Hyb	Trad	R	47.0	14.8	84.5	3.8	48.7	2.41	51.9	42.6	1759	--		
Bayer CropScience	InVigor L120	LL	CA	Hyb	Trad	R	45.8	14.8	81.0	3.0	49.3	2.43	51.2	41.6	1901	--		
MEAN							44.9	16.4	81.5	3.5	47.0	2.56	51.6	41.3	1650	--		
C.V. (%)							1.3	5.3	3.4	29.9	4.8	3.8	0.6	2.6	12.2	--		
LSD 0.05							0.7	1.2	4.0	1.5	3.3	0.14	0.4	NS	288	--		

Planting Date = May 17 ; Harvest Date = August 16 ; Previous Crop = Spring Wheat

* This trial was impacted by a hail storm on July 24, overall yield loss assessed at about 20%.

** All canola cultivar trait information referenced is as provided by companies, NA equates to information not provided.

¹ Weed trait: Equates to weed control/herbicide trait. CL = Clearfield system; LL = Liberty Link system; Conv = Conventional herbicides. Each canola variety within a weed control trait (eg. Liberty Link or Clearfield) was managed with the appropriate herbicide for weed control.

² Cultivar status: CA = Commercially available and Exp = Experimental.

³ Plant type: OP = Open-Pollinated; Hyb = Hybrid;

⁴ Oil type: Trad = Traditional; HO = High Oleic oil.

⁵ Blackleg rating: R = Resistant; MR = Moderately Resistant.

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Canola - Conventional Cultivars

Carrington (Page 2 of 2)

Brand	Cultivar	Weed Trait ¹	Status ²	Plant Type ³	Oil Type ⁴	Black Leg ⁵	Days to Bloom	Bloom Duration	Days to PM	Plant Lodge 0-9	Plant Height inch	1000 KWT gram	Test Weight lb/bu	Oil Content % @8.5%M	-- Seed Yield --	
															2011	3-yr. Avg.
Croplan Genetics	EXP P-4	Conv	Exp	Hyb	Trad	R	59.5	31.8	104.3	0.8	49.8	3.00	51.8	36.3	1048	--
Croplan Genetics	EXP P-9	Conv	Exp	Hyb	Trad	R	58.5	34.3	105.5	2.0	49.2	3.01	52.1	35.6	1132	--
Hugh Cambell	Progress 9	Conv		NA	NA	NA	59.8	34.5	105.5	2.3	52.1	2.94	52.5	36.0	905	--
Hugh Cambell	Progress 4	Conv		NA	NA	NA	59.5	33.8	104.3	1.3	50.7	2.88	51.5	35.9	1156	--
WinField Solutions	080814 EM	Conv	Exp	*Brassica carinata			50.3	25.3	97.0	2.3	43.3	3.38	53.1	32.6	1365	--
WinField Solutions	080822 EM	Conv	Exp	*Brassica carinata			51.0	24.0	97.0	3.3	40.6	3.38	49.6	32.6	639	--
WinField Solutions	100880EM	Conv	Exp	*Brassica carinata			52.0	21.0	93.3	2.0	39.4	3.53	51.1	35.3	1050	--
WinField Solutions	080820 EM	Conv	Exp	*Brassica carinata			50.3	21.3	91.7	2.7	41.2	3.32	52.6	30.1	1249	--
WinField Solutions	090867 EM	Conv	Exp	*Brassica carinata			50.7	21.7	92.7	3.3	43.0	3.58	51.6	35.0	1237	--
WinField Solutions	Volcan	Conv	CA	NA	NA	NA	44.0	15.3	82.3	3.0	42.0	2.23	49.7	34.2	1130	--
WinField Solutions	Cutlass	Conv	CA	NA	NA	NA	43.0	16.3	79.0	4.0	40.7	2.25	49.8	35.2	931	--
MEAN							53.8	26.9	97.3	2.3	45.8	3.03	51.5	34.7	1072	--
C.V. (%)							1.5	5.8	2.6	34.1	10.3	5.8	1.2	3.8	16.0	--
LSD 0.05							1.2	2.3	3.7	1.1	6.9	0.26	0.9	1.9	249	--

Planting Date = May 24 ; Harvest Date = September 13 ; Previous Crop = Spring Wheat

* Trial was planted later than other canola trials as majority of seed sources had not arrived in association with earlier plantings.

*Brassica carinata (Ethiopian canola).

* This trial was impacted by a hail storm on July 24, overall yield loss assessed at about 20%.

** All canola cultivar trait information referenced is as provided by companies, NA equates to information not provided.

¹ Weed trait: Equates to weed control/herbicide trait. CL = Clearfield system; LL = Liberty Link system; Conv = Conventional herbicides. Each canola variety within a weed control trait (eg. Liberty Link or Clearfield) was managed with the appropriate herbicide for weed control.

² Cultivar status: CA = Commercially available and Exp = Experimental.

³ Plant type: OP = Open-Pollinated; Hyb = Hybrid;

⁴ Oil type: Trad = Traditional; HO = High Oleic oil.

⁵ Blackleg rating: R = Resistant; MR = Moderately Resistant.