

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

Canola - Liberty Link, Clearfield, Conventional - 2011 - Table 1

Langdon

Company/Brand	Variety	Type ¹	Blackleg		Days	Days	Flower	Days
			Rating ²	Status ³	to 1st	to End	Duration	to
								days
Bayer CropScience	InVigor 5440	H,LL,TR	R	CA	43	58	15	84
Bayer CropScience	InVigor 8440	H,LL,TR	R	CA	44	56	12	83
Bayer CropScience	InVigor L130	H,LL,TR	R	CA	42	56	15	82
Bayer CropScience	InVigor L150	H,LL,TR	R	CA	45	60	15	85
Bayer CropScience	InVigor L120	H,LL,TR	R	CA	43	57	14	83
Croplan Genetics	XCEED Oasis CL	OP,CL,TR	R	CA	38	54	16	81
Croplan Genetics	EXP P-4	H,Conv,TR	NA	EXP	54	81	27	97
Croplan Genetics	EXP P-9	H,Conv,TR	NA	EXP	53	81	28	96
Croplan Genetics ⁵	080814 EM	OP,Conv,HEAR	NA	EXP	45	64	19	92
Croplan Genetics ⁵	080822 EM	OP,Conv,HEAR	NA	EXP	46	64	18	92
Croplan Genetics ⁵	080880 EM	OP,Conv,HEAR	NA	EXP	46	65	19	93
Croplan Genetics ⁵	080820 EM	OP,Conv,HEAR	NA	EXP	46	63	17	92
Croplan Genetics ⁵	100877 EM	OP,Conv,HEAR	NA	EXP	44	65	21	91
Mycogen	2012 CL	H,CL,HO	R	CA	43	57	14	84
Mycogen	2014 CL	H,CL,HO	MR	CA	45	60	15	85
Mycogen	CL166102H	H,CL,HO	R	EXP	44	58	13	85
Mycogen	CL166103H	H,CL,HO	R	EXP	45	58	14	85
Pioneer	46H75	H,CL,TR	R	CA	45	61	16	86
Pioneer	45H73	H,CL,TR	R	CA	42	57	14	83
Technology Crops	Rodin	H,Conv,HEAR	NA	CA	47	63	17	87
Technology Crops	Heara	OP,Conv,HEAR	NA	CA	44	59	15	83
RR Check ⁴	HyClass 940	H,RR,TR	R	CA	41	56	15	83
RR Check ⁴	DKL 72-55	H,RR,TR	R	CA	42	57	15	84
Trial Mean					45	61	17	87
C.V. %					3.1	1.3	8.6	1.4
LSD 5%					2.0	1.1	2.0	1.7

Planting Date: May 25

Harvest Date: August 31, September 9

¹H-Hybrid, OP-Open Pollinated, LL-Liberty Link, CL-Clearfield System, Conv-Conventional
TR-Traditional Oil type, HO-High Oleic Oil Type, HEAR-High Erucic Acid Rapeseed

²Blackleg Rating: S-Susceptible, MS-Moderately Susceptible, MR-Moderately Resistant, R-Resistant,
NA-Not available. Ratings provided by the company.

³Status: CA-Commercially available, EXP-Experimental

⁴Roundup ready check variety.

⁵Brassica carinata

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2011 Variety Trial Data**

Canola - Liberty Link, Clearfield, Conventional - 2011 - Table 2 **Langdon**

Company/Brand	Variety	Plant Height inches	Cover ² %	Oil ¹ %	Yield ¹			Average	
					2009	2010	2011	2	3
					-----lbs/ac-----				
Bayer CropScience	InVigor 5440	39	92	48.9	3190	3381	2177	2779	2916
Bayer CropScience	InVigor 8440	37	91	49.2	3443	3445	1731	2588	2873
Bayer CropScience	InVigor L130	38	90	49.1	--	3294	1802	2548	--
Bayer CropScience	InVigor L150	39	88	51.2	--	3308	1910	2609	--
Bayer CropScience	InVigor L120	37	92	49.8	--	--	1946	--	--
Croplan Genetics	XCEED Oasis CL	33	69	46.1	--	--	925	--	--
Croplan Genetics	EXP P-4	49	86	42.6	--	--	960	--	--
Croplan Genetics	EXP P-9	51	86	43.5	--	--	999	--	--
Croplan Genetics	080814 EM	37	89	38.1	--	--	1514	--	--
Croplan Genetics	080822 EM	39	89	41.0	--	--	1651	--	--
Croplan Genetics	080880 EM	37	90	41.5	--	--	1550	--	--
Croplan Genetics	080820 EM	38	90	37.3	--	--	1486	--	--
Croplan Genetics	100877 EM	39	92	37.5	--	--	1578	--	--
Mycogen	2012 CL	36	96	48.6	--	--	1928	--	--
Mycogen	2014 CL	40	91	51.0	--	--	1927	--	--
Mycogen	CL166102H	35	86	51.0	--	--	1608	--	--
Mycogen	CL166103H	36	91	50.7	--	--	1757	--	--
Pioneer	46H75	40	92	50.2	--	--	2089	--	--
Pioneer	45H73	36	91	49.5	--	3099	1988	2543	--
Technology Crops	Rodin	42	96	47.5	--	--	1883	--	--
Technology Crops	Heara	33	86	48.8	--	--	1459	--	--
RR Check	HyClass 940	35	94	48.9	3127	3090	2085	2587	2767
RR Check	DKL 72-55	37	91	51.2	3190	3090	2408	2749	2896
Trial Mean		38	89	46.6	3104	3157	1711	--	--
C.V. %		5.9	5.1	2.4	11	6	16	--	--
LSD 5%		3.2	6.4	1.6	NS	255	387	--	--

¹ - 8.5% moisture

² % Cover- Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants were at 5-6 leaf stage.

³Roundup ready check variety.

No lodging in trial.