

**NDSU Langdon Research Extension Center
2012 Variety Trial Data**

Canola - Liberty Link, Clearfield, Conventional - 2012 - Table 1

Langdon

Company/Brand	Variety	Type ¹	Blackleg Rating ²	Status ³	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
Bayer CropScience	InVigor L120	H,LL,TR	R	CA	54	67	14	91
Bayer CropScience	InVigor L130	H,LL,TR	R	CA	54	68	14	90
Bayer CropScience	InVigor L150	H,LL,TR	R	CA	57	69	12	92
Bayer CropScience	154	H,LL,TR	R	CA	55	69	13	91
Bayer CropScience	159	H,LL,TR	R	Exp	57	70	13	92
Bayer CropScience	526	H,LL,TR	NA	Exp	57	70	14	95
Mycogen	Nexera 2012 CL	H,CL,HO	MR	CA	55	69	14	93
Mycogen	Nexera 2016 CL	H,CL,HO	R	CA	55	69	15	91
Pioneer	46H75	H,CL,TR	R	CA	57	72	15	95
Pioneer	45H73	H,CL,TR	R	CA	54	67	14	90
Technology Crops	F11	OP,Conv,HEAR	MS	Exp	55	70	15	92
Technology Crops	F13	OP,Conv,HEAR	MS	Exp	53	67	14	88
RR Check ⁴	DKL72-55	H,RR,TR	R	CA	53	67	14	92
RR Check ⁴	HyClass 955	H,RR,TR	R	CA	52	66	14	91
Trial Mean					55	68	14	92
C.V. %					1.6	1.0	7.2	2.1
LSD 10%					1.1	0.8	1.2	2.3
LSD 5%					1.3	0.9	1.4	2.8

Planting Date: May 2

Harvest Date: August 17

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.

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2012 Variety Trial Data

Canola - Liberty Link, Clearfield, Conventional - 2012 - Table 2 **Langdon**

Company/Brand	Variety	Plant Height	Cover ²	Lodging	Oil ¹	Yield ¹			Average	
						2010	2011	2012	2	3
						-----lbs/ac-----				
Pioneer	46H75	47	80	0.5	43.9	--	2089	2309	2199	--
Pioneer	45H73	45	81	0.8	44.0	3099	1988	2422	2205	2503
Mycogen	Nexera 2012 CL	47	84	0.0	43.7	--	1928	2386	2157	--
Mycogen	Nexera 2016 CL	44	78	0.3	44.1	--		1879	--	--
Bayer CropScience	InVigor L120	45	75	0.0	44.8	--	1946	2109	--	--
Bayer CropScience	InVigor L130	44	69	0.0	44.4	3294	1802	2163	1982	2420
Bayer CropScience	InVigor L150	45	69	0.3	45.6	3308	1910	2104	2007	2441
Bayer CropScience	154	47	79	0.0	43.9	--	--	2185	--	--
Bayer CropScience	159	48	80	0.0	44.2	--	--	2305	--	--
Bayer CropScience	526	44	78	0.0	44.4	--	--	2101	--	--
Technology Crops	F11	38	63	0.0	42.4	--	--	1180	--	--
Technology Crops	F13	38	75	1.8	41.0	--	--	1501	--	--
RR Check ³	DKL72-55	43	78	1.0	46.7	3090	2408	2487	2447	2662
RR Check ³	HyClass 955	41	86	1.8	47.1	--	--	2327	--	--
Trial Mean		44	77	0.4	44.3	3157	1711	2104	--	--
C.V. %		4.4	5.5	200.6	3.3	5.6	16.0	8.3	--	--
LSD 10%		2.3	5.0	1.1	1.7	--	--	208	--	--
LSD 5%		2.8	6.1	1.3	2.1	255	387	249	--	--

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.