

NDSU Langdon Research Extension Center
2013 Variety Trial

Canola - Liberty Link, Clearfield - 2013 - 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
							days	
Bayer	InVigor L120	LL,TR	R	CA	40	58	18	91
Bayer	InVigor L130	LL,TR	R	CA	41	60	19	90
Bayer	InVigor 5440	LL,TR	R	CA	41	60	19	92
Bayer	InVigor L156 H	LL,TR	R	CA	41	61	20	93
Bayer	InVigor L252	LL,TR	R	CA	42	61	19	93
Croplan	VT X 121 CL	CL,TR	R	CA	39	57	18	90
Mycogen	Nexera 2012 CL	CL,HO	MR	CA	40	59	18	91
Mycogen	CL268726H	CL,HO	R	EXP	44	65	21	93
Mycogen	CL2537357H	CL,HO	R	EXP	42	62	20	92
RR Check ⁴	DKL 30-42	RR,TR	R	CA	40	58	19	89
RR Check ⁴	HyClass 955	RR,TR	R	CA	41	60	19	92
Trial Mean					41	60	19	91
C.V. %					1.9	1.8	3.8	1.6
LSD 10%					0.9	1.3	0.9	1.8
LSD 5%					1.1	1.6	1.0	2.1

Planting Date: May 24

Harvest Date: September 4

¹All varieties are Hybrids. LL-Liberty Link, CL-Clearfield, RR-Roundup Ready.

TR-Traditional Oil type, HO-High Oleic Oil Type

²Blackleg Rating: S-Susceptible, MS-Moderately Susceptible, MR-Moderately Resistant, R-Resistant, Ratings provided by the company.

³Status: CA-Commercially available, EXP-Experimental

⁴Roundup Ready check variety.

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Canola - Liberty Link, Clearfield, - 2013 - Table 2 **Langdon**

Company/Brand	Variety	Plant Height inches	Cover ² %	Lodging ⁴ 0-9	Oil ¹ %	Yield ¹			Average	
						2011	2012	2013	2	3
						-----lbs/ac-----				
Bayer	InVigor L120	44	91	1.8	43.8	1946	2109	3758	2934	2604
Bayer	InVigor L130	48	83	0.5	44.4	1802	2163	3714	2938	2560
Bayer	InVigor 5440	48	85	0.3	44.0	--	--	4094	--	--
Bayer	InVigor L156 H	45	86	1.5	44.1	--	--	3739	--	--
Bayer	InVigor L252	47	85	1.3	46.5	--	--	3968	--	--
Croplan	VT X 121 CL	44	53	0.0	41.4	--	--	2019	--	--
Mycogen	Nexera 2012 CL	42	80	0.3	45.9	1928	2386	3435	2910	2583
Mycogen	CL268726H	47	59	0.0	45.0	--	--	2872	--	--
Mycogen	CL2537357H	47	78	0.0	46.6	--	--	3388	--	--
RR Check ³	DKL 30-42	39	86	2.8	46.3	--	--	3430	--	--
RR Check ³	HyClass 955	43	83	2.8	46.6	--	2327	3551	2939	--
Trial Mean		45	79	1.0	45.0	1711	2104	3451	--	--
C.V. %		5.7	7.6	57.6	1.9	16.0	8.3	9.9	--	--
LSD 10%		3.1	7.2	0.7	1.0	--	208	408	--	--
LSD 5%		3.7	8.6	0.8	1.2	387	249	491	--	--

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.

⁴0=no lodging, 9=completely flat.