

**NDSU Langdon Research Extension Center
2014 Variety Trial**

Canola - Liberty Link, Clearfield - 2014 - Table 1

Langdon

Company/Brand	Variety	Type ¹	Blackleg Rating ²	Status ³	Club root Resist. ⁵	Days to 1st Flower	Days to End Flower	Flower Duration	Days to Maturity
								days	
Bayer Crop Science	InVigor L140p	LL, TR	R	CA	No	45	62	17	87
Bayer Crop Science	InVigor L252	LL, TR	R	CA	No	46	64	18	91
Bayer Crop Science	InVigor L130	LL, TR	R	CA	No	45	64	19	89
Bayer Crop Science	InVigor 5440	LL, TR	R	CA	No	46	65	19	91
Bayer Crop Science	InVigor L156h	LL, TR	R	CA	No	45	64	20	91
Bayer Crop Science	InVigor L160s	LL, TR	R	CA	No	48	66	18	93
Bayer Crop Science	InVigor L135c	LL, TR	R	CA	Yes	44	63	19	90
Bonis & Co.	BC1212	LL, TR	MR	EXP	No	41	62	21	87
Mycogen Seeds	Nexera 2012 CL	CL, HO	MR	CA	No	45	62	18	88
Mycogen Seeds	CL2537382H	CL, HO	R	EXP	No	46	65	19	92
Mycogen Seeds	CL2537385H	CL, HO	R	EXP	No	44	64	20	91
Mycogen Seeds	Nexera 2020 CL	CL, HO	R	CA	Yes	45	65	20	92
RR Check ⁴	DKL 30-42	RR,TR	R	CA	No	40	61	20	84
RR Check ⁴	HyClass 955	RR,TR	R	CA	Yes	41	61	20	86
Trial Mean						44	63	19	89
C.V. %						1.0	1.2	4.9	2.4
LSD 10%						0.5	0.9	1.1	2.6
LSD 5%						0.6	1.1	1.3	3.1

Planting Date: May 22

Harvest Date: September 3

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.

⁵Has clubroot resistance gene.

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Canola - Liberty Link, Clearfield, - 2014 - Table 2 **Langdon**

Company/Brand	Variety	Plant Height inches	Cover ² %	Oil ¹ %	Yield ¹			Average	
					2012	2013	2014	2	3
								year	year
Bayer Crop Science	InVigor L140p	48	80	43.6	--	--	3721	--	--
Bayer Crop Science	InVigor L252	49	80	45.4	--	3968	4121	4045	--
Bayer Crop Science	InVigor L130	46	80	43.0	2163	3714	3522	3618	3133
Bayer Crop Science	InVigor 5440	51	79	42.6	--	4094	3545	3820	--
Bayer Crop Science	InVigor L156h	49	84	44.1	--	3739	3651	3695	--
Bayer Crop Science	InVigor L160s	48	80	42.9	--	--	3616	--	--
Bayer Crop Science	InVigor L135c	48	81	43.3	--	--	3714	--	--
Bonis & Co.	BC1212	44	80	44.4	--	--	3613	--	--
Mycogen Seeds	Nexera 2012 CL	47	74	45.7	2386	3435	3185	3310	3002
Mycogen Seeds	CL2537382H	48	79	46.2	--	--	3385	--	--
Mycogen Seeds	CL2537385H	45	79	45.0	--	--	3296	--	--
Mycogen Seeds	Nexera 2020 CL	48	75	46.3	--	--	3445	--	--
RR Check ³	DKL 30-42	42	81	47.4	--	3430	3439	3435	--
RR Check ³	HyClass 955	42	84	49.3	2327	3551	3873	3712	3250
Trial Mean		47	80	44.9	2104	3451	3581	--	--
C.V. %		4.5	2.9	2.4	8.3	9.9	8.2	--	--
LSD 10%		2.5	2.7	1.3	208	408	351	--	--
LSD 5%		3.0	3.3	1.5	249	491	421	--	--

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.