

NDSU Langdon Research Extension Center
2015 Variety Trial Data

Canola - Liberty Link, Clearfield, Sulfonylurea - 2015 - 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	Days Flower Duration	Days to Maturity
Bayer CropScience	InVigor L140P	LL, TR	R	CA	No	42	61	19	82
Bayer CropScience	InVigor L130	LL, TR	R	CA	No	43	65	23	84
Bayer CropScience	InVigor 5440	LL, TR	R	CA	No	44	65	22	85
Bayer CropScience	InVigor 241C	LL, TR	R	CA	Yes	44	65	21	84
Bayer CropScience	InVigor 156H	LL, HO	R	CA	No	43	65	22	85
Bayer CropScience	InVigor L252	LL, TR	R	CA	No	44	63	20	84
Cibus	C1511	SU, TR	MR	CA	No	44	67	23	84
Cibus	C1516	SU, TR	NA	CA	No	45	67	22	85
Mycogen Seeds	Nexera 2020 CL	CL, HO	R	CA	No	44	65	21	86
Mycogen Seeds	CL2562966H	CL, HO	R	EXP	No	44	65	21	86
Pioneer	45H76	CL, TR	R	CA	No	45	66	21	84
Pioneer	46H75	CL, TR	R	CA	No	46	67	21	87
RR Check ⁴	HyCLASS 955	RR, TR	R	CA	Yes	41	60	20	82
RR Check ⁴	Dekalb 70-50CR	RR, TR	R	CA	Yes	42	63	21	82
Trial Mean						43	65	22	84
C.V. %						1.4	1.4	4.1	2.0
LSD 5%						0.9	1.3	1.3	2.4
LSD 10%						0.7	1.1	1.0	2.0

Planting Date: May 20

Harvest Date: August 31

¹All varieties are Hybrids. LL-Liberty Link, CL-Clearfield, RR-Roundup Ready, SU-Sulfonylurea Conv-Conventional, TR-Traditional Oil type, HO-High Oleic Oil Type

²Blackleg Rating: MR-Moderately Resistant, R-Resistant, NA-Not Available.
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, Sulfonyleurea - 2015 - Table 2

Langdon

Company/Brand	Variety	Plant Height	LGD	Cover ²	Oil ¹	Yield ¹			Average	
						2013	2014	2015	2	3
						-----lbs/ac-----				
Bayer CropScience	InVigor L140P	54	0	99	47.4	--	3721	3540	--	--
Bayer CropScience	InVigor L130	55	0	96	46.5	3714	3522	3179	3350	3472
Bayer CropScience	InVigor 5440	57	0	99	46.0	4094	3545	3436	3491	3692
Bayer CropScience	InVigor 241C	54	0	98	45.5	--	--	3303	--	--
Bayer CropScience	InVigor 156H	50	0	99	47.1	3739	3651	3223	3437	3538
Bayer CropScience	InVigor L252	53	0	94	48.6	3968	4121	3393	3757	3827
Cibus	C1511	57	0	91	44.5	--	--	3043	--	--
Cibus	C1516	57	0	93	46.9	--	--	2837	--	--
Mycogen Seeds	Nexera 2020 CL	53	0	95	48.1	--	3445	2894	3169	--
Mycogen Seeds	CL2562966H	56	0	95	48.8	--	--	3156	--	--
Pioneer	45H76	56	0	96	47.6	--	--	3268	--	--
Pioneer	46H75	55	0	99	46.8	--	--	3106	--	--
RR Check ⁴	HyCLASS 955	49	0.5	85	50.7	3551	3873	3433	3653	3619
RR Check ⁴	Dekalb 70-50CR	53	0.3	83	47.9	--	--	3288	--	--
Trial Mean		54	0.1	92	47.3	3451	3581	3171	--	--
C.V. %		4.8	357.8	4.3	2.1	9.9	8.2	6.9	--	--
LSD 5%		3.7	NS	5.6	1.4	491	351	311	--	--
LSD 10%		3.1	0.3	4.7	1.2	408	351	259	--	--

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.

³ Roundup ready check variety.