

2014 Non-Roundup Ready Canola Variety Trial

North Central Research Extension Center—Minot

Company	Variety	Herbicide System	Days to Bloom DAP ¹	Bloom Duration days	Days to Maturity DAP ¹	Plant Height inches	Oil Content %	Seed Yield lbs/A
Mycogen Seeds	Nexera 2012 CL	Clearfield	48	18	100	53	43.2	2238
Mycogen Seeds	CL2537382H	Clearfield	49	19	99	53	44.8	2284
Mycogen Seeds	CL2537385H	Clearfield	44	22	100	52	44.1	2258
Mycogen Seeds	Nexera 2020 CL	Clearfield	48	19	100	48	45.6	1994
Bonis & Co.	BC1212	Liberty	42	26	93	49	42.7	2672
Bayer CropScience	InVigor L130	Liberty	45	21	93	54	43.4	2344
Bayer CropScience	InVigor L120	Liberty	44	21	92	53	43.5	2384
Bayer CropScience	InVigor L252	Liberty	49	20	100	53	45.6	2345
Bayer CropScience	InVigor 5440	Liberty	48	21	96	60	43.0	2570
Bayer CropScience	InVigor L140p	Liberty	45	20	93	55	44.0	2770
Bayer CropScience	InVigor L135c	Liberty	46	21	93	56	41.6	2475
Bayer CropScience	InVigor L156h	Liberty	47	21	100	52	43.5	2222
RR check	DK 38-48	Roundup	42	26	92	50	44.8	2679
Trial Mean			46	21	96	53	43.8	2403
C.V.%			2.2	4.8	1.1	6.8	1.2	7.7
LSD 10%			1	1	1	4	0.6	222

¹DAP = Days after planting.

Trial was planted on May 21 with a seeding rate of 8 lbs/A and harvested on September 6.

Previous Crop: spring wheat

Soil Type: Williams Loam

Oil content and seed yields are adjusted to 8.5% moisture.

2013 Canola POST Applied Fertilizer Trial

North Central Research Extension Center—Minot

Product	Formula Analysis	Product Rate	Crop Injury %	Days to Bloom DAP ¹	Bloom Duration days	Plant Height inches	Oil Content %	Seed Yield lbs/A
Untreated*			0	48	24	37	45.4	2530
Urea	46-0-0	100 lbs/A	0	48	24	40	41.5	2688
28% UAN	28-0-0	6 qt/A	0	47	24	41	45.3	2632
N-Sure**	28-0-0	8 qt/A	0	48	23	38	44.9	2836
KTS**	0-0-25-17S	10 qt/A	0	48	24	38	44.7	2603
K-Row 23**	0-0-23-8S	10 qt/A	0	48	25	35	42.9	2785
MagThio**	0-0-10S-4Mg	6 qt/A	0	48	24	35	45.7	2639
AMS	21-0-0-24S	6 qt/A	0	48	23	41	46.1	2411
Trial mean			0	48	24	38	44.6	2641
C.V.%			0.0	1.1	4.0	5.2	4.0	5.7
LSD 10%			NS	1	1	2	2.1	182

¹DAP = Days after planting.

*70 lbs/A residual soil N and 23 lbs/A residual soil S @ 0-24"

Planting Date: May 16, 2013

Variety: Croplan HyCLASS 947

Planting Rate: 685,000 PLS/A

Fertilizer treatments were applied on June 18, just prior to bolting.

Harvest Date: Sept. 6, 2013

Previous Crop: durum

Soil Type: Williams Loam

Oil content and seed yields are adjusted to 8.5% moisture.

**Product manufactured and marketed by Tessenderlo Kerley