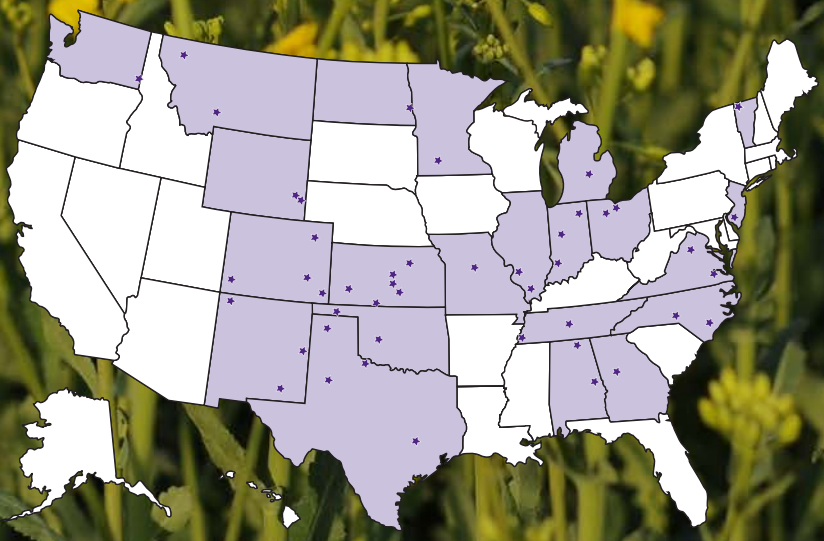
2011

National Winter Canola Variety Trial

Report of Progress 1062



K-STATE
Research and Extension

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service

2011 National Winter Canola Variety Trial
Table of Contents

Contribution no. 12-274-S from the Kansas Agricultural Experiment Station

2011 National Winter Canola Variety Trial

Introduction

Winter canola production is a good fit for small-grains cropping systems because both use the same equipment. Canola is an excellent crop to rotate with winter wheat. Wheat crops following canola have shown a 10 percent or greater increase in yield compared with continuous wheat. Canola is a broadleaf crop, which allows use of more effective herbicides to control grassy winter annual weeds. Canola and wheat have no major diseases in common. Growing canola in rotation with wheat breaks the hard-to-control weed and disease cycles of wheat monoculture systems. Because canola is an oilseed, its commodity price is not tied to prices of cereal grains, which spreads economic risk over more than one commodity class.

Objectives

Objectives of the National Winter Canola Variety Trial (NWCVT) are to evaluate the performance of released and experimental varieties, determine where these varieties are best adapted, and increase visibility of winter canola across the nation. Breeders, marketers, and producers use data collected from the trials. Over the past decade, the number of environments and entries tested have increased. The NWCVT is planted at locations in the Great Plains, Midwest, northern United States, and Southeast. The wide diversity of environments has improved our knowledge and understanding of winter canola variety performance.

Procedures

Seed for the NWCVT was distributed 51 times to cooperators in 22 states for the 2010-2011 growing season. The locations receiving seed are illustrated on the map on the front cover. Of the 46 entries, 27 are commercially available in the United States and 19 are experimental. These entries were provided by 10 global seed suppliers. All entries in the trial were treated with either Helix XTra or Prosper FX seed treatments to control insects and diseases through the late fall and early winter months.

Management guidelines were provided to cooperators, but previous growing experience influenced final management decisions. Agronomic information, site descriptions, and growing conditions are given along with performance data for each harvested location. All trials were planted in small research plots (approximately 100 ft^2) and replicated three or four times. Yield results for some locations include 2-year summaries. Results are listed alphabetically by seed supplier.

The Robert M. Kerr Food and Agricultural Products Center at Oklahoma State University performed the total protein and oil analyses for sites located in Kansas. The Brassica Breeding and Research Program at the University of Idaho performed total oil analysis for all other sites.

The NWCVT continues in the 2011-2012 growing season and includes 45 entries. Eleven seed suppliers contributed to the trial, and it was distributed to 47 locations in 22 states.

2010-2011 Growing Conditions

Temperature and precipitation data are shown at the top of the page for each location. Thick black lines on the temperature graphs represent long-term average high and low temperatures (°F) for the location. The upper thin line represents actual daily high temperatures, and the lower thin line represents actual daily low temperatures. On the precipitation graph, the line labeled “normal” represents long-term average precipitation, and the line labeled “10-11” represents actual precipitation. If weather data was not provided, then it was taken from a nearby town.

In general, the 2010-2011 growing season was a challenging one for winter canola. Plants established well at most locations, but severe drought limited growth and yield potential in the southern Great Plains and Southeast, especially. No sites were lost to winterkill alone. Excessive rainfall reduced yields in the northern United States and in the Midwest. Severe storms also negatively affected yields prior to harvest. Nonetheless, winter canola has shown a tremendous ability to recover

following unfavorable weather. Winter canola is consistently achieving very high seed yields in environments where moisture is not limiting.

Test Locations

Texas A & M University at College Station, the New Mexico State University Agricultural Science Center at Artesia, and Rutgers University at Centerton were new participants in 2010-2011. See the back cover for a listing of all participants.

A large number of locations, especially in the southern Great Plains and Southeast U.S., were affected by devastating drought and severe weather. Fourteen locations were not harvested for the following reasons: drought, insects, poor establishment, winterkill, or too much precipitation. Eleven other locations were harvested, but the results were not included in this publication because the data quality was poor.

Twenty-six harvested locations in 18 states are included in this report: Meridianville, AL; Yellow Jacket, CO; Griffin, GA; Belleville and Carbondale, IL; Throckmorton and Vincennes, IN; Garden City, Manhattan, and Marquette, KS; East Lansing, MI; Bozeman and Kalispell, MT; Williamsdale, NC; Centerton, NJ; Clovis and Farmington, NM; Custar, OH; Goodwell, OK; Spring Hill, TN; Etter and Lubbock, TX; Orange and Petersburg, VA; Alburgh, VT; and Lingle, WY.

Results

The "percentage of test average" yield calculation is included in this year's results. This relative yield calculation allows for some comparison of performance across environments. Entries yielding more than 100 percent of the test average across multiple locations merit some consideration. Varieties Baldur, Sumner, and Wichita were used as check comparisons. Regional summary tables were created with data from 2006 to 2011.

Overall yields were poorer than those from 2009-2010 and were generally below average in the southern Great Plains, Midwest, and Southeast. Eleven harvested sites averaged greater than 2,000 lb/acre, three of which were located in Kansas. Three sites averaged greater than 3,000 lb/acre; all were located in the northern United States.

Caution should be used when evaluating data from locations with coefficient of variation (CV) values greater than 20. Lower values suggest less error was observed at the trial location. Inestimable differences in soil type, weather, and environmental conditions play a part in increasing experimental error and CV values.

Variety Selection

Winter hardiness is an important trait to consider when selecting a winter canola variety. This trait has been improved over the past several years, but variability still exists where differential winterkill occurs. Winter canola varieties should show consistent survival across multiple years and locations. Other traits to consider include herbicide resistance, tolerance to carryover from sulfonylurea herbicides, maturity, disease tolerance, and yield potential.

Some locations include High Erucic Acid Rapeseed (HEAR). By definition, HEAR is not canola because it produces greater than 2% erucic acid in the processed oil. The harvested seed cannot be mixed with canola seed, and the oil can be used only for industrial purposes. If HEAR is commercially grown, it will be under contract and a delivery point must be identified before planting.

Tables 27 and 28 provide information on the tolerance of varieties to the blackleg fungus. Table 29 identifies the seed sources, brand names, and traits of the winter canola varieties and hybrids grown in the NWCVT.

Acknowledgments

This work was funded in part by the Supplemental and Alternative Crops Competitive Grants Program, part of the National Canola Research Program sponsored by the United States Department of Agriculture - National Institute of Food and Agriculture and the Kansas Agricultural Experiment Station. Assistant scientist Scott Dooley and student workers William Hill and Daniel Harmon assisted with organizing, packaging, planting, harvesting, and data collection. Sincere appreciation is expressed to all participating researchers and seed suppliers who have a vested interest in expanding winter canola acres and increasing production in the United States.

Merdianville, Alabama

Ernst Cebert
Alabama A&M University

Planted: 10/1/2010 at 6 lb/a in 7-in. rows
Harvested: 6/2/2011
Herbicides: Trifluralin
Insecticides: None
Irrigation: None
Previous Crop: Fallow
Soil Test: NA
Fertilizer: 6.5-6.5-6.5 lb N-P-K fertilizer in fall
55-0-0 lb N-P-K fertilizer in spring
Soil Type: Decatur silty clay loam
Elevation: 624 ft Latitude: 34° 35'N
Comments: Extreme heat at pod fill may have reduced yield potential.

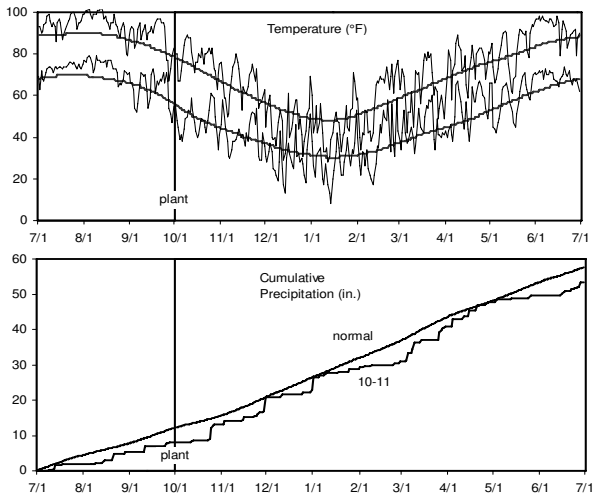


Table 1. Results for the 2011 National Winter Canola Variety Trial at Merdianville, AL

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	50% Bloom	Maturity	Moisture	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(DOY)	(DOY)	(%)	(%)
Alabama A&M University												
AAMU-33-07	1725	1867	1796	94	---	93	---	---	81	143	8.2	41.1
AAMU-6-07	1301	**---**	---	71	---	---	---	---	84	142	8.3	40.1
AAMU-62-07	1718	**---**	---	94	---	---	---	---	81	140	8.2	40.9
AAMU-64-07	1451	**---**	---	79	---	---	---	---	81	143	8.2	41.5
Croplan Genetics												
HyClass110W	1898	1331	1614	103	---	88	---	---	85	148	8.3	39.1
HyClass115W	1577	1812	1694	86	---	92	---	---	86	145	8.3	39.8
HyClass125W	1562	**---**	---	85	---	---	---	---	86	146	8.3	39.1
HyClass154W	1785	**2198**	1991	97	---	88	---	---	85	148	8.6	40.0
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1642	1766	1704	89	---	92	---	---	85	148	8.3	41.9
Dimension	**1956**	1687	1821	107	---	83	---	---	85	146	8.2	42.3
Dynastie	**2391**	**2553**	2472	130	---	98	---	---	87	146	8.0	**42.9**
Flash	**2202**	1788	1995	120	---	90	---	---	84	147	8.3	42.0
Hornet	**2396**	**---**	---	131	---	---	---	---	85	145	8.4	41.8
Safran	**2517**	1888	2202	137	---	92	---	---	86	146	8.2	42.2
Sitro	**2021**	**2484**	2252	110	---	97	---	---	83	143	8.3	41.8
Visby	**1925**	1489	1707	105	---	88	---	---	84	145	8.3	41.8
High Plains Crop Development												
Claremore CL	**1960**	**2058**	2009	107	---	90	---	---	90	149	8.3	41.9
HPX-7228	**2193**	**1980**	2086	119	---	92	---	---	85	147	8.3	41.6
HPX-7341	1190	1472	1331	65	---	90	---	---	87	148	8.3	39.3
Kansas State University												
Kiowa	**2100**	1508	1804	114	---	85	---	---	89	150	8.4	39.5
KS4083	1877	**---**	---	102	---	---	---	---	86	147	8.4	40.5
KS4426	1849	1505	1677	101	---	90	---	---	87	148	8.4	41.2
KS4428	1783	**---**	---	97	---	---	---	---	87	146	8.3	40.6
Riley	1730	**2290**	2010	94	---	93	---	---	88	146	8.2	41.0
Sumner	1450	1619	1534	79	---	90	---	---	86	146	8.5	39.2
Wichita	**2036**	1767	1902	111	---	92	---	---	88	148	8.4	39.5
MOMONT												
Chrome	**2100**	**2474**	2287	114	---	93	---	---	87	150	8.5	40.7
Hybrilux	**2012**	**---**	---	110	---	---	---	---	84	147	8.3	40.6
Hybristar	**2368**	**2132**	2250	129	---	88	---	---	84	147	8.0	42.4
Hybrisurf	**2312**	1319	1815	126	---	87	---	---	87	147	8.1	42.6
Kadore	**2111**	**2155**	2133	115	---	88	---	---	88	146	8.5	40.3
MH06E10	**1952**	**2360**	2156	106	---	93	---	---	86	145	8.2	42.6
MH06E11	**2106**	**2090**	2098	115	---	92	---	---	85	149	8.3	41.3
MH06E4	**2259**	**1981**	2120	123	---	85	---	---	85	146	7.9	42.0

Table 1. Results for the 2011 National Winter Canola Variety Trial at Merdianville, AL

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	50% Bloom	Maturity	Moisture	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(DOY)	(DOY)	(%)	(%)
Monsanto / DEKALB												
DKW41-10	1158	1088	1123	63	---	85	---	---	85	144	8.4	39.1
DKW44-10	1525	**---**	---	83	---	---	---	---	88	149	8.2	38.6
DKW46-15	1655	1266	1461	90	---	87	---	---	86	147	8.6	41.0
DKW47-15	1723	1146	1434	94	---	83	---	---	87	144	8.4	38.9
Technology Crops International												
Rossini	1733	**---**	---	94	---	---	---	---	83	145	8.0	42.7
University of Idaho												
Amanda	1730	**---**	---	94	---	---	---	---	88	147	8.4	40.5
Athena	1307	**---**	---	71	---	---	---	---	88	147	8.4	41.3
Durola	1150	**---**	---	63	---	---	---	---	88	148	8.1	**44.8**
Virginia State University												
Virginia	1347	**2032**	1690	73	---	92	---	---	88	149	8.3	40.3
VSX-3	**1973**	**---**	---	108	---	---	---	---	87	150	8.3	40.5
Mean	1835	1795	---	---	---	90	---	---	86	146	8.3	40.9
CV	21	30	---	---	---	5	---	---	2	2	2.8	2.3
LSD (0.05)	618	862	---	---	---	NS	---	---	3	4	NS	1.9

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Griffin, Georgia

Don Day, John Gassett, Mitch Gilmer, Gary Ware
University of Georgia at Griffin

Planted: 10/5/2010 at 5 lb/a in 7-in. rows
Harvested: 6/3/2011
Herbicides: Treflan
Insecticides: None
Irrigation: None
Previous Crop: Fallow
Soil Test: P=High, K=High, pH=5.8
Fertilizer: 20-40-60 lb N-P-K fertilizer in fall
130-0-0 lb N-P-K fertilizer in spring
Soil Type: Cecil sandy loam
Elevation: 924 ft Latitude: 33° 16'N
Comments: Late-season warm temperatures may have reduced yields.

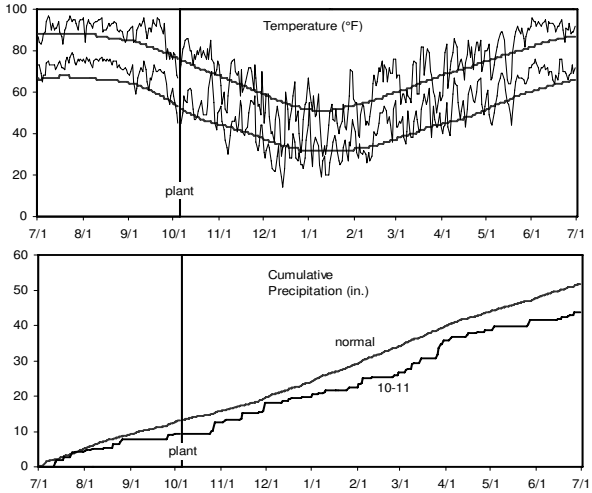


Table 2. Results for the 2011 National Winter Canola Variety Trial at Griffin, GA

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Fall Stand	Fall Vigor	50% Bloom	Maturity	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	(0-10)	(0-5)	(DOY)	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	1679	3223	2451	83	10.0	5.0	76	141	69	7.0	51.8	36.3
AAMU-6-07	1710	---	---	85	9.8	4.8	80	140	65	6.0	52.8	37.2
AAMU-62-07	1059	---	---	53	9.8	5.0	76	137	65	6.4	50.2	35.8
AAMU-64-07	1395	---	---	69	9.8	5.0	76	140	62	6.6	51.3	37.4
Croplan Genetics												
HyClass110W	2078	3200	2639	103	9.7	5.0	80	140	71	6.9	53.0	36.1
HyClass115W	1990	2834	2412	99	9.7	5.0	83	141	71	7.3	51.9	37.3
HyClass125W	1575	---	---	78	9.8	5.0	83	141	71	6.6	52.4	37.5
HyClass154W	1989	3038	2513	99	9.7	5.0	88	145	77	8.0	52.3	36.2
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1891	3586	2739	94	9.7	5.0	84	144	74	7.6	52.8	36.3
Dimension	1646	3026	2336	82	10.0	5.0	82	140	72	8.0	51.1	**40.6**
Dynastie	**2687**	**3839**	3263	133	9.8	5.0	86	145	71	7.2	52.1	37.3
Flash	2302	**4037**	3169	114	9.5	5.0	85	143	73	8.1	52.0	38.3
Hornet	**3119**	---	---	155	9.8	5.0	84	145	72	8.0	52.8	37.9
Safran	2283	3554	2919	113	9.3	5.0	87	146	72	8.3	52.8	36.8
Sitro	**2767**	**4077**	3422	137	9.7	5.0	83	143	68	7.1	52.3	37.3
Visby	2219	3264	2742	110	9.8	5.0	83	141	75	7.0	52.8	38.5
High Plains Crop Development												
Claremore CL	2077	2564	2320	103	9.8	4.8	90	145	78	7.7	53.9	36.2
HPX-7228	1834	**3720**	2777	91	9.5	5.0	84	140	71	6.7	53.8	36.2
HPX-7341	2093	2939	2516	104	9.8	5.0	86	143	76	6.5	53.2	36.6
Kansas State University												
Kiowa	1758	3000	2379	87	9.8	5.0	86	145	79	8.9	52.0	36.2
KS4083	2115	---	---	105	9.8	5.0	87	146	80	8.0	52.2	35.6
KS4426	2048	2855	2451	102	9.8	5.0	87	145	81	8.1	52.7	36.6
KS4428	2258	---	---	112	9.8	5.0	86	143	74	7.7	53.0	36.1
Riley	1570	3427	2498	78	9.8	4.8	86	145	69	8.3	51.8	38.0
Sumner	2135	2930	2533	106	10.0	5.0	84	141	74	7.8	52.6	37.2
Wichita	2156	3197	2677	107	9.8	5.0	87	145	75	8.5	51.7	37.3
MOMONT												
Chrome	2315	**3903**	3109	115	9.8	5.0	85	144	73	7.1	52.2	37.5
Hybrilux	1818	---	---	90	10.0	5.0	86	145	77	6.9	52.7	36.5
Hybristar	**2840**	3618	3229	141	9.8	5.0	83	142	74	8.4	52.1	37.9
Hybrisurf	2276	**4341**	3309	113	10.0	5.0	86	145	77	7.7	51.9	38.4
Kadore	1955	3482	2718	97	9.7	5.0	89	144	65	7.1	53.1	36.8
MH06E10	2223	**3706**	2964	110	10.0	5.0	84	142	72	9.2	51.3	36.6
MH06E11	**2588**	**3874**	3231	128	9.8	5.0	84	145	75	8.6	51.9	36.7
MH06E4	1662	3325	2494	82	9.8	5.0	84	143	76	8.2	51.9	37.0

Table 2. Results for the 2011 National Winter Canola Variety Trial at Griffin, GA

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Fall Stand	Fall Vigor	50% Bloom	Maturity	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	(0-10)	(0-5)	(DOY)	(DOY)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1315	2512	1914	65	9.7	5.0	79	139	64	6.4	54.6	34.2
DKW44-10	2019	---	---	100	9.5	5.0	83	143	66	6.4	54.1	34.1
DKW46-15	1842	2858	2350	91	9.7	5.0	83	141	72	6.2	52.3	38.3
DKW47-15	1718	3023	2370	85	9.5	5.0	86	145	68	7.6	52.2	36.1
University of Idaho												
Amanda	1802	---	---	89	9.7	5.0	88	145	73	8.2	52.5	38.1
Athena	1664	---	---	83	9.8	4.8	87	145	75	7.8	51.9	38.2
Virginia State University												
Virginia	2123	3223	2673	105	10.0	5.0	85	141	69	7.0	52.8	34.4
VSX-3	2059	---	---	102	9.8	5.0	83	144	75	6.8	53.0	35.2
Mean	2015	3275	---	---	9.8	4.9	84	143	72	7.5	52.4	36.8
CV	21	14	---	---	2.9	1.7	1	1	4	12.8	1.7	2.7
LSD (0.05)	684	720	---	---	NS	NS	2	3	5	1.5	1.5	2.0

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Williamsdale, North Carolina

Kim Tungate
North Carolina State University

Planted:	10/12/2010 at 5 lb/a in 8-in. rows
Harvested:	6/4/2011
Herbicides:	Poast
Insecticides:	None
Irrigation:	None
Previous Crop:	Fallow
Soil Test:	P=349 ppm, K=175 ppm, and pH=5.7
Fertilizer:	46-0-0 lb N-P-K fertilizer in fall
	80-0-0-26 lb N-P-K-S fertilizer in spring
Soil Type:	Goldsboro sandy loam
Elevation:	148 ft Latitude: 34° 45'N
Comments:	Winter canola is showing very high yield potential in North Carolina.

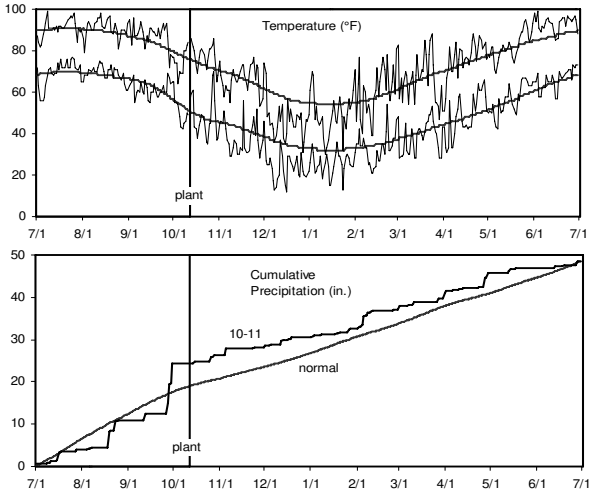


Table 3. Results for the 2011 National Winter Canola Variety Trial at Williamsdale, NC

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-33-07	2866	---	---	100	---	---	---	45	---	---	---	---
AAMU-6-07	2409	---	---	84	---	---	---	44	---	---	---	---
AAMU-62-07	2309	---	---	81	---	---	---	45	---	---	---	---
AAMU-64-07	2147	---	---	75	---	---	---	39	---	---	---	---
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**3202**	1663	2432	112	---	---	---	47	---	---	---	---
Dimension	2156	2295	2225	75	---	---	---	41	---	---	---	---
Dynastie	**3225**	1840	2532	113	---	---	---	50	---	---	---	---
Flash	2989	1330	2159	104	---	---	---	52	---	---	---	---
Visby	**3600**	2301	2950	126	---	---	---	52	---	---	---	---
Wichita	2962	1822	2392	103	---	---	---	48	---	---	---	---
MOMONT												
Hybrilux	**3458**	---	---	121	---	---	---	49	---	---	---	---
Hybristar	**3627**	1701	2664	127	---	---	---	56	---	---	---	---
Hybrisurf	**3073**	1704	2389	107	---	---	---	49	---	---	---	---
Kadore	**3120**	1636	2378	109	---	---	---	46	---	---	---	---
Technology Crops International												
Rossini	2889	---	---	101	---	---	---	48	---	---	---	---
University of Idaho												
Amanda	**3082**	---	---	108	---	---	---	47	---	---	---	---
Athena	2224	---	---	78	---	---	---	42	---	---	---	---
Durola	2242	---	---	78	---	---	---	39	---	---	---	---
Virginia State University												
Virginia	2769	---	---	97	---	---	---	44	---	---	---	---
VSX-3	2893	---	---	101	---	---	---	50	---	---	---	---
Mean	2862	1819	---	---	---	---	---	47	---	---	---	---
CV	12	19	---	---	---	---	---	8	---	---	---	---
LSD (0.05)	567	NS	---	---	---	---	---	6	---	---	---	---

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Centerton, New Jersey

David Lee
Rutgers University

Planted: 9/10/2010
Harvested: 6/22/2011
Herbicides: 0.5 pt/a Treflan
Insecticides: None
Irrigation: None
Soil Test: NA
Fertilizer: 50-14-50 lb N-P-K fertilizer in fall
Soil Type: Chillum silt loam
Elevation: 120 ft Latitude: 39° 31'N
Comments: Winter canola showing promise in a new growing area.

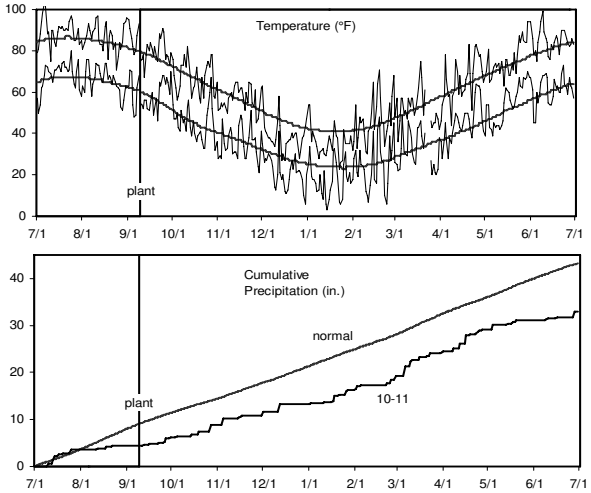


Table 4. Results for the 2011 National Winter Canola Variety Trial at Centerton, NJ

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	1822	---	---	104	58	---	---	108	53	7.2	49.7	42.2
AAMU-6-07	1600	---	---	91	55	---	---	109	55	7.3	49.4	42.2
AAMU-62-07	1508	---	---	86	63	---	---	108	53	7.2	49.7	42.7
AAMU-64-07	1478	---	---	84	60	---	---	108	52	7.3	49.6	42.2
Croplan Genetics												
HyClass110W	1752	---	---	100	50	---	---	108	57	7.4	50.9	41.2
HyClass115W	1635	---	---	93	75	---	---	110	55	7.3	50.3	41.7
HyClass125W	1628	---	---	93	60	---	---	109	57	7.2	50.4	41.1
HyClass154W	1642	---	---	94	51	---	---	110	57	7.4	50.7	41.8
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1723	---	---	98	58	---	---	111	58	7.3	51.0	41.0
Dimension	1485	---	---	85	60	---	---	109	62	7.1	50.3	**44.0**
Dynastie	1770	---	---	101	48	---	---	109	53	7.2	51.2	41.8
Flash	1804	---	---	103	58	---	---	112	58	7.2	51.0	41.5
Hornet	1960	---	---	112	60	---	---	115	60	7.2	51.3	**42.9**
Safran	**2461**	---	---	140	64	---	---	115	58	7.3	51.5	40.9
Sitro	1863	---	---	106	60	---	---	108	57	7.2	51.0	42.5
Visby	1491	---	---	85	60	---	---	108	50	7.4	51.0	41.8
High Plains Crop Development												
Claremore CL	1949	---	---	111	63	---	---	115	58	7.4	50.7	41.6
HPX-7228	1794	---	---	102	72	---	---	110	57	7.3	51.2	41.7
HPX-7341	**2189**	---	---	125	62	---	---	109	53	7.2	50.5	41.7
Kansas State University												
Kiowa	1757	---	---	100	55	---	---	111	60	7.2	50.4	41.7
KS4083	1744	---	---	99	45	---	---	114	62	7.3	50.3	41.4
KS4426	1894	---	---	108	85	---	---	113	57	7.2	50.1	42.5
KS4428	**2006**	---	---	114	43	---	---	113	60	7.3	51.0	41.9
Riley	1903	---	---	108	57	---	---	108	53	7.1	50.3	**43.1**
Sumner	1462	---	---	83	45	---	---	114	52	7.3	52.0	40.9
Wichita	1607	---	---	92	57	---	---	108	52	7.4	51.0	40.7
MOMONT												
Chrome	**2370**	---	---	135	68	---	---	111	53	7.2	50.7	42.5
Hybrilux	1849	---	---	105	53	---	---	115	53	7.4	50.4	41.6
Hybristar	1796	---	---	102	77	---	---	109	53	7.0	50.6	42.3
Hybrisurf	1920	---	---	109	70	---	---	111	53	6.9	50.3	42.8
Kadore	1723	---	---	98	33	---	---	112	54	7.4	51.6	40.9
MH06E10	1361	---	---	78	53	---	---	111	53	7.3	51.6	39.9
MH06E11	1820	---	---	104	60	---	---	111	60	7.2	50.4	42.8
MH06E4	1431	---	---	82	52	---	---	113	55	7.2	51.1	42.2

Table 4. Results for the 2011 National Winter Canola Variety Trial at Centerton, NJ

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1209	---	---	69	60	---	---	108	45	7.2	52.6	40.5
DKW44-10	1814	---	---	103	60	---	---	111	53	7.4	50.7	40.6
DKW46-15	1627	---	---	93	68	---	---	112	53	7.1	50.8	41.6
DKW47-15	1586	---	---	90	48	---	---	111	57	7.3	50.3	40.1
Technology Crops International												
Rossini	**2222**	---	---	127	78	---	---	108	53	7.1	50.0	**44.4**
University of Idaho												
Amanda	1903	---	---	108	56	---	---	115	52	7.3	52.0	40.9
Athena	1486	---	---	85	73	---	---	111	53	7.3	51.3	40.4
Durola	1229	---	---	70	58	---	---	113	55	7.0	50.7	**44.3**
Virginia State University												
Virginia	1833	---	---	104	67	---	---	110	48	7.4	49.6	42.3
VSX-3	1632	---	---	93	45	---	---	110	51	7.4	50.6	41.0
Mean	1745	---	---	---	59	---	---	111	55	7.3	50.7	41.8
CV	17	---	---	---	27	---	---	2	9	1.8	1.0	1.9
LSD (0.05)	476	---	---	---	NS	---	---	4	8	0.2	0.9	1.6

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Orange, Virginia

David Starner
Virginia Tech University

Planted: 9/24/2010 at 5 lb/a in 7-in. rows
Harvested: 6/13/2011
Herbicides: 1 pt/a Trifluralin 4EC
Insecticides: 2.5 oz/a Capture 2EC
Irrigation: None
Previous Crop: Barley
Soil Test: P=High, K=Very High, and pH=6.8
Fertilizer: 25-72-0-25 lb N-P-K-S fertilizer in fall
60-0-0 lb N-P-K fertilizer in spring
Soil Type: Davidson silty clay
Elevation: 510 ft Latitude: 38° 13'N
Comments: Losses from bird damage were 30% across the entire field. A very damp spring contributed to sclerotinia outbreak.

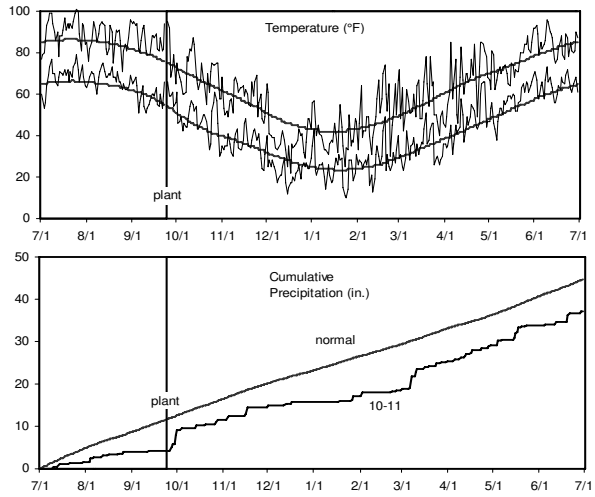


Table 5. Results for the 2011 National Winter Canola Variety Trial at Orange, VA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Sclerotinia[1]	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(%)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	2209	3088	2648	83	99	98	98	33.3	51	7.8	50.7	39.1
AAMU-6-07	1852	---	---	70	99	---	---	46.7	53	8.7	50.9	38.8
AAMU-62-07	2164	---	---	82	99	---	---	**17.3**	52	9.1	50.9	40.5
AAMU-64-07	1878	---	---	71	99	---	---	30.0	51	8.2	52.1	38.0
Croplan Genetics												
HyClass110W	2190	3029	2609	83	99	95	97	46.7	52	8.2	51.8	39.2
HyClass115W	2059	2616	2337	78	99	96	98	**18.3**	55	8.3	51.6	39.7
HyClass125W	2113	---	---	80	99	---	---	**13.3**	54	7.4	51.6	39.2
HyClass154W	**3012**	2815	2913	114	99	87	93	**14.7**	56	9.2	51.8	40.1
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	2792	3144	2968	105	99	96	98	**18.3**	56	7.8	51.3	40.2
Dimension	**3049**	3200	3124	115	99	98	98	**15.0**	56	11.6	49.5	**43.0**
Dynastie	**3468**	3062	3265	131	99	98	98	**17.3**	56	9.0	51.7	41.5
Flash	2645	2127	2386	100	99	95	97	**20.7**	55	9.9	50.4	39.0
Hornet	**3114**	---	---	117	99	---	---	**5.0**	58	10.1	51.2	**42.1**
Safran	2800	3225	3012	106	99	99	99	**17.3**	57	8.3	51.6	40.2
Sitro	**3134**	2827	2980	118	99	95	97	23.3	55	7.9	51.3	**42.1**
Visby	**2971**	**3438**	3204	112	99	96	98	**16.7**	56	8.1	51.1	40.6
High Plains Crop Development												
Claremore CL	2720	2724	2722	103	99	99	99	**2.7**	57	9.9	50.5	40.7
HPX-7228	**2935**	3238	3087	111	99	94	97	33.3	55	8.3	51.2	39.8
HPX-7341	2827	3113	2970	107	99	96	98	26.7	58	8.4	51.4	40.4
Kansas State University												
Kiowa	2793	2746	2769	105	99	95	97	**3.0**	60	9.3	51.2	39.6
KS4083	2720	---	---	103	99	---	---	**10.7**	61	8.3	51.3	39.8
KS4426	2551	2875	2713	96	99	93	96	**2.3**	58	10.2	51.3	41.0
KS4428	2756	---	---	104	99	---	---	**12.3**	57	8.5	51.1	40.7
Riley	2602	2913	2758	98	99	88	94	**10.7**	58	7.9	51.5	40.7
Sumner	2511	2970	2740	95	99	95	97	**15.0**	59	7.7	51.6	40.8
Wichita	**2887**	2960	2923	109	99	96	98	**2.0**	57	7.7	51.3	41.3
MOMONT												
Chrome	**3408**	3266	3337	128	99	99	99	**18.3**	54	10.2	51.3	41.7
Hybrilux	**3030**	---	---	114	99	---	---	**21.7**	57	11.0	50.6	41.8
Hybristar	**2930**	3028	2979	110	99	98	98	**8.3**	56	9.0	51.5	40.4
Hybrisurf	2522	3110	2816	95	99	98	98	**14.7**	54	8.7	51.0	40.5
Kadore	**3082**	3274	3178	116	99	96	98	**16.7**	50	9.5	51.2	40.1
MH06E10	**3262**	**3442**	3352	123	99	91	95	**11.7**	58	11.4	51.4	40.9
MH06E11	**3140**	**3716**	3428	118	99	88	94	**7.0**	56	8.5	51.2	41.8
MH06E4	**3096**	**3778**	3437	117	99	98	98	**8.0**	57	11.2	50.7	**42.2**

Table 5. Results for the 2011 National Winter Canola Variety Trial at Orange, VA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Sclerotinia[1]	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(%)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1912	2810	2361	72	99	95	97	25.0	42	7.3	53.3	37.2
DKW44-10	2185	---	---	82	99	---	---	**13.3**	47	8.6	50.5	39.8
DKW46-15	1911	2874	2392	72	99	96	98	26.7	52	6.9	51.3	40.1
DKW47-15	2749	2603	2676	104	99	95	97	**20.0**	56	7.9	51.5	39.5
Technology Crops International												
Rossini	2534	---	---	95	99	---	---	46.7	53	7.5	50.7	**43.7**
University of Idaho												
Amanda	2655	---	---	100	99	---	---	**12.3**	57	8.4	51.4	39.9
Athena	1928	---	---	73	99	---	---	**18.3**	57	7.7	51.6	38.8
Durola	1982	---	---	75	99	---	---	**21.7**	57	8.2	51.8	**43.2**
Virginia State University												
Virginia	2670	3112	2891	101	99	98	98	**16.7**	53	8.9	50.7	40.2
VSX-3	**2998**	---	---	113	99	---	---	**20.0**	54	9.2	50.8	41.0
Mean	2653	2993	---	---	---	95	---	18.2	55	8.8	51.2	40.4
CV	14	9	---	---	---	4	---	67.2	4	15.7	1.3	2.0
LSD (0.05)	616	421	---	---	---	NS	---	19.8	4	2.2	1.1	1.7

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Sclerotinia is rated as percentage of plants infected.

Petersburg, Virginia

Harbans Bhardwaj
Virginia State University

Planted: 10/12/2010 at 5 lb/a in 15-in. rows
Harvested: 6/17/2011
Herbicides: 1.5 pt/a Treflan
Insecticides: 3 oz/a Karate
Irrigation: None
Previous Crop: Fallow
Soil Test: P=High, K=Medium, and pH=6.2
100-100-100 lb N-P-K fertilizer in spring
Soil Type: Abell sandy loam
Elevation: 134 ft Latitude: 37° 15'N
Comments: The area experienced a colder than normal winter.

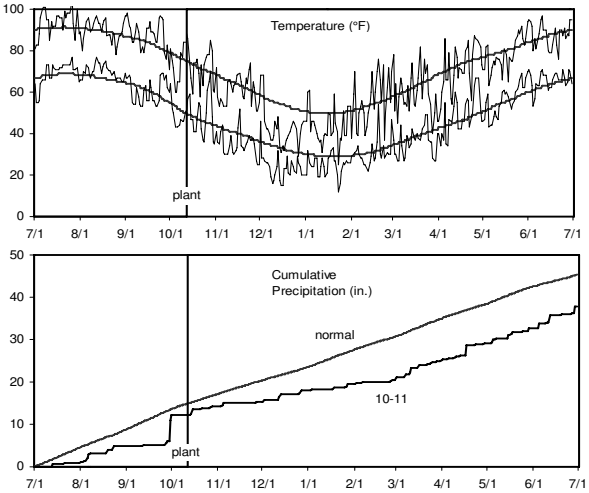


Table 6. Results for the 2011 National Winter Canola Variety Trial at Petersburg, VA

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-33-07	1011	675	843	100	---	---	---	---	---	---	---	41.4
AAMU-6-07	1037	---	---	102	---	---	---	---	---	---	---	39.9
AAMU-62-07	**1092**	---	---	108	---	---	---	---	---	---	---	37.7
AAMU-64-07	873	---	---	86	---	---	---	---	---	---	---	40.7
Croplan Genetics												
HyClass110W	690	480	585	68	---	---	---	---	---	---	---	38.1
HyClass115W	1037	905	971	102	---	---	---	---	---	---	---	39.6
HyClass125W	**1379**	---	---	136	---	---	---	---	---	---	---	39.0
HyClass154W	984	697	840	97	---	---	---	---	---	---	---	37.3
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**1462**	880	1171	144	---	---	---	---	---	---	---	40.4
Dimension	819	972	896	81	---	---	---	---	---	---	---	43.0
Dynastie	**1107**	**2007**	1557	109	---	---	---	---	---	---	---	39.8
Flash	576	1203	889	57	---	---	---	---	---	---	---	39.6
Hornet	**1125**	---	---	111	---	---	---	---	---	---	---	38.9
Safran	671	1305	988	66	---	---	---	---	---	---	---	38.9
Sitro	947	1242	1094	93	---	---	---	---	---	---	---	39.2
Visby	790	780	785	78	---	---	---	---	---	---	---	38.6
High Plains Crop Development												
Claremore CL	**1296**	1390	1343	128	---	---	---	---	---	---	---	41.0
HPX-7228	**1119**	569	844	110	---	---	---	---	---	---	---	39.3
HPX-7341	797	**1616**	1207	79	---	---	---	---	---	---	---	37.7
Kansas State University												
Kiowa	740	**1854**	1297	73	---	---	---	---	---	---	---	39.0
KS4083	1072	---	---	106	---	---	---	---	---	---	---	38.8
KS4426	**1239**	389	814	122	---	---	---	---	---	---	---	40.0
KS4428	792	---	---	78	---	---	---	---	---	---	---	37.4
Riley	**1191**	872	1032	117	---	---	---	---	---	---	---	38.6
Sumner	992	**1632**	1312	98	---	---	---	---	---	---	---	39.5
Wichita	**1231**	1324	1278	121	---	---	---	---	---	---	---	39.5
MOMONT												
Chrome	**1144**	**1750**	1447	113	---	---	---	---	---	---	---	38.5
Hybrilux	1050	---	---	104	---	---	---	---	---	---	---	40.4
Hybristar	942	1149	1046	93	---	---	---	---	---	---	---	39.6
Hybrisurf	825	775	800	81	---	---	---	---	---	---	---	40.2
Kadore	790	402	596	78	---	---	---	---	---	---	---	38.3
MH06E10	533	348	441	53	---	---	---	---	---	---	---	39.3
MH06E11	**1119**	378	749	110	---	---	---	---	---	---	---	40.1
MH06E4	**1090**	569	830	108	---	---	---	---	---	---	---	39.8

Table 6. Results for the 2011 National Winter Canola Variety Trial at Petersburg, VA

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Monsanto / DEKALB												
DKW41-10	765	1142	953	75	---	---	---	---	---	---	---	39.7
DKW44-10	780	---	---	77	---	---	---	---	---	---	---	36.7
DKW46-15	1023	1011	1017	101	---	---	---	---	---	---	---	42.9
DKW47-15	838	604	721	83	---	---	---	---	---	---	---	39.5
Technology Crops International												
Rossini	1080	---	---	106	---	---	---	---	---	---	---	42.4
University of Idaho												
Amanda	788	---	---	78	---	---	---	---	---	---	---	38.6
Athena	**1241**	---	---	122	---	---	---	---	---	---	---	38.3
Durola	967	---	---	95	---	---	---	---	---	---	---	41.2
Virginia State University												
Virginia	**1250**	1458	1354	123	---	---	---	---	---	---	---	39.0
VSX-3	**1399**	---	---	138	---	---	---	---	---	---	---	39.3
Mean	993	977	---	---	---	---	---	---	---	---	---	39.4
CV	24	25	---	---	---	---	---	---	---	---	---	4.1
LSD (0.05)	379	403	---	---	---	---	---	---	---	---	---	NS

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

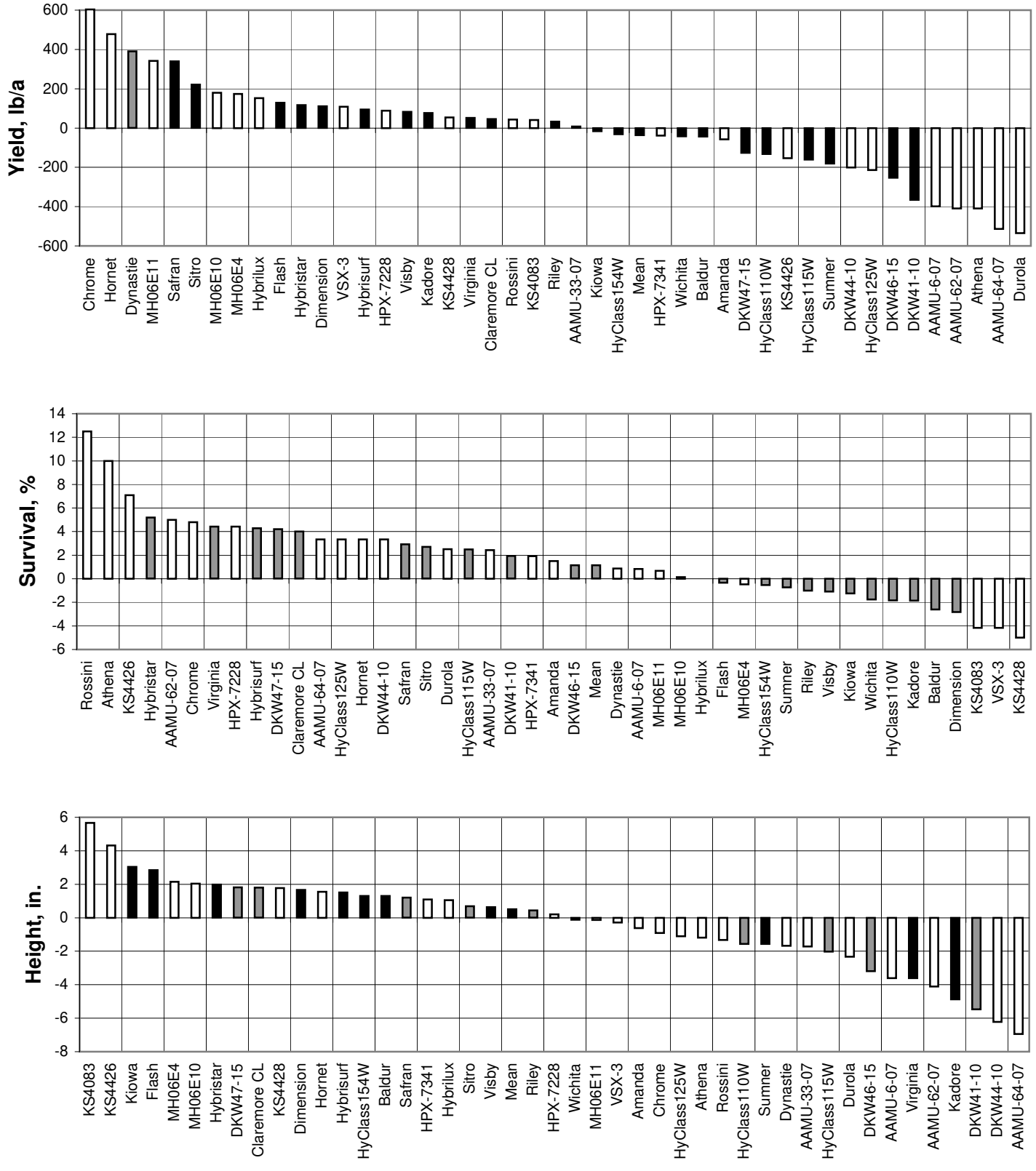
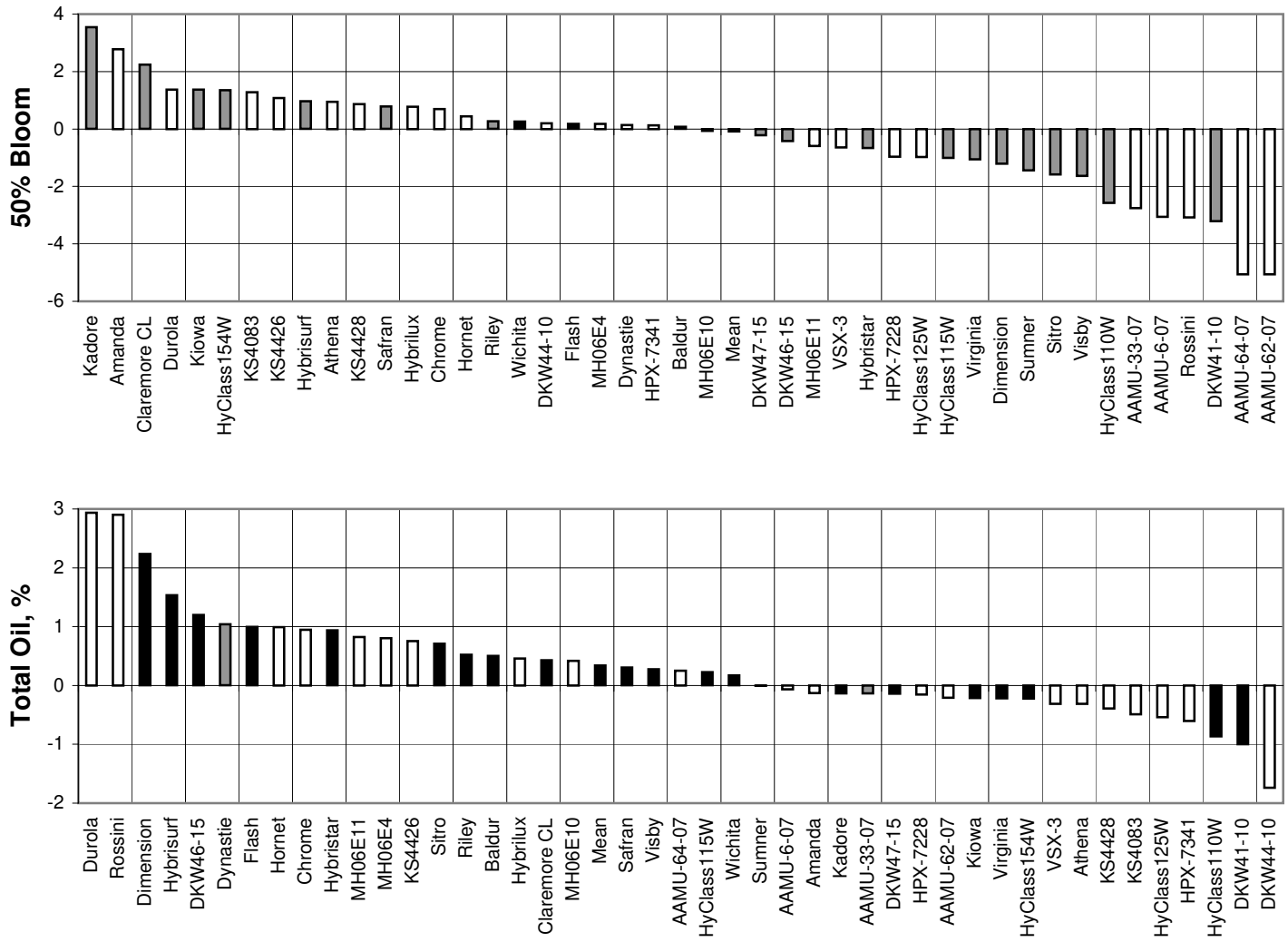


Figure 1. Southeast Winter Canola Summary, 2006-2011.



Note: Values are 6-year moving averages of the differences between each cultivar and the mean of Baldur, Sumner, and Wichita for yield (lb/a), winter survival (%), plant height (in.), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (shown at right).

Figure 1. Southeast Winter Canola Summary, 2006-2011 (continued).

Belleville, Illinios

Michael Schmidt and Cathy Schmidt
Southern Illinois University

Planted: 9/9/2010
Herbicides: Treflan
Insecticides: None
Irrigation: None
Previous Crop: Soybean
Soil Test: NA
Fertilizer: 25-0-0 lb N-P-K fertilizer in fall
95-0-0 lb N-P-K fertilizer in spring
Soil Type: Winfield silt loam
Elevation: 415 ft Latitude: 37° 47'N
Comments: The field averaged about 20% pod shatter. This location had an extremely wet growing season.

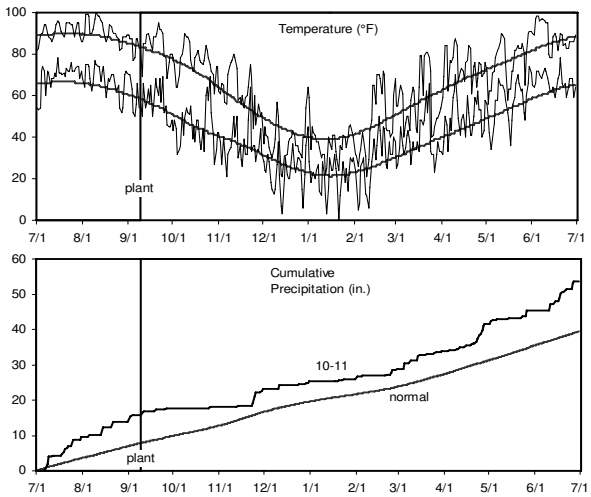


Table 7. Results for the 2011 National Winter Canola Variety Trial at Belleville, IL

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Shatter	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(%)	(lb/bu)	(%)
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1695	**4578**	3136	89	86	100	93	39	23	9.3	50.1	41.8
Dimension	1685	3720	2702	88	96	100	98	41	38	10.0	48.0	**43.6**
Dynastie	**2468**	**4361**	3415	129	88	100	94	40	12	8.2	44.3	**42.7**
Flash	**2187**	**4795**	3491	115	92	100	96	41	11	10.0	47.0	**42.6**
Hornet	**2609**	---	---	137	100	---	---	40	12	8.6	48.6	42.2
Safran	**2219**	**3843**	3031	116	90	100	95	41	15	7.9	45.3	41.2
Sitro	**2231**	**4894**	3562	117	98	100	99	37	17	8.5	48.9	**42.7**
Visby	**2156**	**4332**	3244	113	97	100	98	37	23	8.5	45.9	41.5
High Plains Crop Development												
Claremore CL	1787	3355	2571	94	87	100	93	38	22	8.7	49.3	42.3
HPX-7228	1650	3178	2414	86	99	87	93	37	27	9.0	50.8	41.2
HPX-7341	**2106**	**3810**	2958	110	100	100	100	41	17	8.3	45.7	41.7
Kansas State University												
Kiowa	1476	**4229**	2853	77	96	100	98	41	32	8.9	47.1	40.7
KS4083	1691	---	---	89	100	---	---	41	23	9.0	47.5	41.2
KS4426	**2072**	**3939**	3005	109	100	100	100	39	22	9.1	49.3	42.0
KS4428	1916	---	---	100	98	---	---	39	18	8.9	49.3	41.0
MOMONT												
Chrome	**2332**	**4732**	3532	122	98	100	99	39	20	9.0	50.4	**43.0**
Hybrilux	**2098**	---	---	110	87	---	---	40	18	9.3	49.1	**43.2**
Hybristar	**2167**	**4555**	3361	113	91	100	96	42	20	8.9	50.4	42.1
Hybrisurf	1935	**4076**	3006	101	95	100	98	40	32	8.7	48.0	**42.7**
Kadore	1775	**4748**	3261	93	98	100	99	35	30	9.4	48.3	41.7
MH06E10	1837	**4453**	3145	96	98	87	93	39	23	9.1	49.8	41.3
MH06E11	1901	**4824**	3362	100	99	100	100	41	23	8.4	48.6	41.4
MH06E4	**2181**	**4674**	3427	114	97	93	95	41	23	8.5	49.6	42.4
University of Idaho												
Amanda	1401	---	---	73	100	---	---	38	38	9.7	48.8	42.1
Athena	1382	---	---	72	100	---	---	37	32	8.8	46.7	41.3
Durola	1349	---	---	71	97	---	---	41	37	10.2	49.1	**43.7**
Virginia State University												
Virginia	1485	**4267**	2876	78	68	100	84	36	20	8.6	48.6	41.8
VSX-3	1685	---	---	88	92	---	---	35	18	8.5	46.8	41.4
Mean	1910	4093	---	---	95	99	---	39	23	8.9	48.4	42.0
CV	19	17	---	---	10	6	---	6	31	5.9	5.5	1.3
LSD (0.05)	580	1106	---	---	NS	NS	---	4	12	0.6	3.3	1.1

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Carbondale, Illinois

Michael Schmidt and Cathy Schmidt
Southern Illinois University

Planted: 9/10/2010
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Corn silage
Soil Test: NA
Fertilizer: 30-0-0 lb N-P-K fertilizer in fall
100-0-0 lb N-P-K fertilizer in spring
Soil Type: Stoy silt loam
Elevation: 400 ft Latitude: 38° 30'N
Comments: The field averaged about 15% pod shatter.

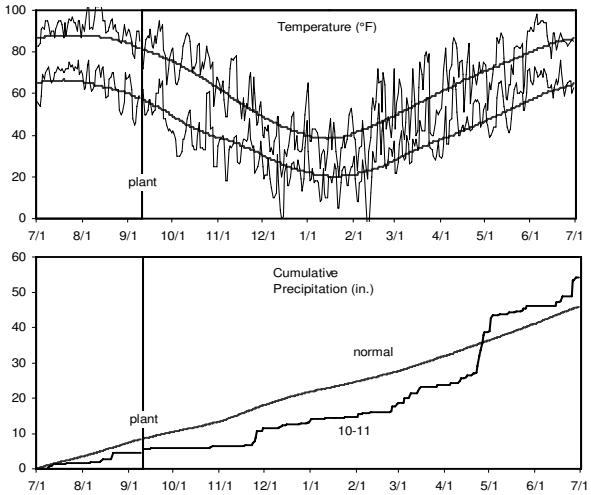


Table 8. Results for the 2011 National Winter Canola Variety Trial at Carbondale, IL

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Shatter	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(%)	(lb/bu)	(%)
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	2508	1637	2072	100	---	---	---	48	13	8.9	49.9	**40.3**
Dimension	2220	2056	2138	88	---	---	---	49	18	10.9	48.4	**41.8**
Dynastie	**2890**	2744	2817	115	---	---	---	45	10	9.0	48.8	**40.5**
Flash	**2855**	2587	2721	113	---	---	---	47	10	9.2	48.6	**40.7**
Hornet	**3187**	---	---	127	---	---	---	46	10	9.3	47.9	40.2
Safran	**3234**	**4002**	3618	129	---	---	---	47	12	9.2	48.2	39.9
Sitro	**3327**	2600	2963	132	---	---	---	44	12	9.3	48.3	39.5
Visby	2355	2520	2438	94	---	---	---	47	17	9.2	46.8	39.5
High Plains Crop Development												
Claremore CL	2615	2361	2488	104	---	---	---	47	10	9.0	48.9	40.1
HPX-7228	2046	1834	1940	81	---	---	---	42	23	10.1	48.2	39.9
HPX-7341	1783	2058	1920	71	---	---	---	47	13	10.4	49.3	38.9
Kansas State University												
Kiowa	2314	1816	2065	92	---	---	---	47	13	8.8	49.1	39.2
KS4083	2075	---	---	82	---	---	---	41	15	9.8	48.0	39.0
KS4426	2166	2824	2495	86	---	---	---	45	12	10.1	48.2	39.6
KS4428	2385	---	---	95	---	---	---	47	13	11.4	47.8	38.9
MOMONT												
Chrome	**3041**	3216	3129	121	---	---	---	45	13	8.1	47.7	**41.7**
Hybrilux	2615	---	---	104	---	---	---	47	12	8.5	48.2	**40.5**
Hybristar	2304	1814	2059	92	---	---	---	46	20	10.0	46.8	40.0
Hybrisurf	**2782**	1646	2214	111	---	---	---	49	15	10.2	48.1	**41.3**
Kadore	2600	2538	2569	103	---	---	---	44	12	9.5	49.5	39.5
MH06E10	2204	2509	2357	88	---	---	---	47	15	10.3	48.3	39.6
MH06E11	2403	2414	2408	95	---	---	---	47	17	9.1	48.8	39.7
MH06E4	2420	2824	2622	96	---	---	---	46	12	9.1	48.6	**40.5**
University of Idaho												
Amanda	2504	---	---	99	---	---	---	44	12	9.7	49.9	39.9
Athena	1742	---	---	69	---	---	---	44	17	10.4	46.3	39.0
Durola	1937	---	---	77	---	---	---	44	15	11.4	46.7	**41.7**
Virginia State University												
Virginia	2726	2365	2546	108	---	---	---	44	18	8.6	47.5	39.6
VSX-3	1943	---	---	77	---	---	---	44	17	9.3	48.1	38.3
Mean	2471	2344	---	---	---	---	---	46	14	9.6	48.3	39.9
CV	14	18	---	---	---	---	---	5	22	10.8	1.9	1.8
LSD (0.05)	575	675	---	---	---	---	---	3	5	1.7	1.5	1.5

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Throckmorton, Indiana

Shaun Casteel
Purdue University

Planted: 9/15/2010 at 5 lb/a
Harvested: 7/1/2011
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 60-0-0 lb N-P-K fertilizer in fall
120-0-0 lb N-P-K fertilizer in spring
Soil Type: Chalmers silty clay loam
Elevation: 732 ft Latitude: 40° 17'N
Comments: Severe weather affected final yields. The location averaged 7% shatter loss and 30% lodging.

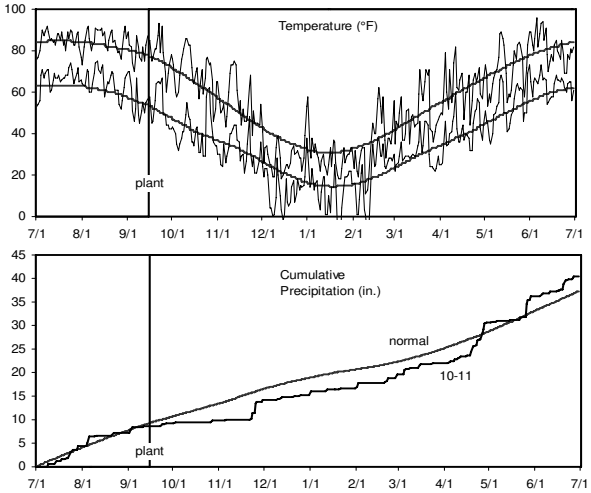


Table 9. Results for the 2011 National Winter Canola Variety Trial at Throckmorton, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Final Bloom	Maturity	Plant Height	Moisture	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(DOY)	(in.)	(%)	(%)
Croplan Genetics												
HyClass110W	1450	---	---	81	94	---	---	135	166	54	5.4	40.9
HyClass115W	1555	---	---	87	93	---	---	135	164	58	5.7	40.8
HyClass125W	1590	---	---	89	95	---	---	137	164	57	6.0	40.8
HyClass154W	1680	1625	1652	94	100	---	---	141	172	61	5.3	40.9
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1335	**1732**	1534	75	100	---	---	139	168	59	6.3	41.6
Dimension	**2285**	1604	1945	128	100	---	---	135	172	64	5.7	43.6
Dynastie	**2510**	**2107**	2309	141	90	---	---	139	173	60	6.2	40.6
Flash	**2805**	**1839**	2322	158	100	---	---	140	172	62	6.0	41.6
Hornet	2150	---	---	121	95	---	---	141	173	65	6.2	41.7
Safran	**2670**	**2102**	2386	150	89	---	---	142	172	60	5.7	39.5
Sitro	1985	**1752**	1868	112	94	---	---	136	169	59	4.9	42.2
Visby	1720	---	---	97	100	---	---	133	170	62	6.7	41.7
Kansas State University												
Kiowa	2135	1283	1709	120	83	---	---	142	170	61	7.5	39.7
KS4083	1840	---	---	103	100	---	---	141	170	61	5.8	40.7
KS4426	1750	**2006**	1878	98	94	---	---	142	172	60	6.0	40.4
KS4428	1810	---	---	102	94	---	---	141	169	61	7.9	40.9
Riley	1560	1371	1466	88	100	---	---	140	168	60	5.5	41.1
Sumner	**2285**	1434	1859	128	89	---	---	136	163	61	5.6	40.3
Wichita	2185	**1920**	2052	123	100	---	---	139	165	57	6.6	41.2
MOMONT												
Chrome	1505	**2159**	1832	85	79	---	---	135	169	54	5.6	41.1
Hybrilux	1825	---	---	103	94	---	---	138	171	59	5.3	42.3
Hybristar	2135	---	---	120	94	---	---	134	171	58	5.3	41.9
Hybrisurf	1495	---	---	84	95	---	---	135	169	57	6.1	43.3
Kadore	**2780**	**1800**	2290	156	89	---	---	136	171	57	6.9	39.6
MH06E10	2090	1497	1793	117	90	---	---	139	171	56	5.1	41.3
MH06E11	**2295**	**1672**	1983	129	89	---	---	141	170	63	4.9	42.1
MH06E4	**2330**	**2109**	2219	131	89	---	---	139	173	61	6.5	42.4
Monsanto / DEKALB												
DKW41-10	605	1442	1024	34	94	---	---	133	162	50	5.7	38.6
DKW44-10	545	---	---	31	82	---	---	135	163	56	6.4	37.7
DKW46-15	735	1557	1146	41	100	---	---	139	163	55	5.7	42.0
DKW47-15	1930	1490	1710	108	89	---	---	138	167	55	5.3	41.0
University of Idaho												
Amanda	680	---	---	38	94	---	---	141	171	59	5.4	40.9
Athena	1350	---	---	76	82	---	---	139	169	54	5.5	40.9
Durola	1645	---	---	92	77	---	---	139	171	57	5.0	**44.8**

Table 9. Results for the 2011 National Winter Canola Variety Trial at Throckmorton, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Final Bloom	Maturity	Plant Height	Moisture	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(DOY)	(in.)	(%)	(%)
Virginia State University												
Virginia	1305	---	---	73	100	---	---	135	164	56	6.0	40.7
VSX-3	1485	---	---	83	88	---	---	134	164	54	5.0	40.4
Mean	1780	1678	---	---	93	---	---	138	169	58	5.9	41.1
CV	20	18	---	---	11	---	---	1	1	5	16.4	1.0
LSD (0.05)	590	530	---	---	NS	---	---	2	4	5	NS	0.8

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Vincennes, Indiana

Chuck Mansfield and Shaun Casteel
Vincennes University and Purdue University

Planted: 9/21/2010 at 5 lb/a
Harvested: 6/22/2011
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Watermelons
Soil Test: NA
Fertilizer: 120-0-0 lb N-P-K fertilizer in spring
Soil Type: Lomax clay loam
Elevation: 473 ft Latitude: 38° 44'N
Comments: Sclertoinia rated on 6/2/2011. A wet spring negatively affected yields.

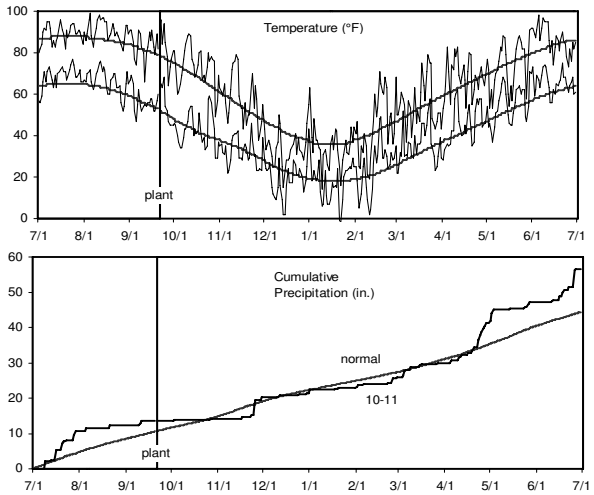


Table 10. Results for the 2011 National Winter Canola Variety Trial at Vincennes, IN

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Fall Vigor	50% Bloom	Maturity	Plant Height	Sclerotinia[2]	Moisture	Oil
	2011	2010	2-Yr.	2011	(1-5)	(DOY)	(DOY)	(in.)	(%)	(%)	(%)
Alabama A&M University											
AAMU-33-07	785	1452	1118	62	5	101	159	51	45.0	8.7	38.2
AAMU-6-07	660	---	**---**	52	4	101	159	61	22.5	**---**	37.7
AAMU-62-07	595	---	**---**	47	4	101	159	53	50.0	6.6	38.0
AAMU-64-07	790	---	**---**	62	4	102	160	49	45.0	**---**	37.8
Croplan Genetics											
HyClass110W	**1305**	1548	1427	103	5	101	159	56	17.5	11.1	35.8
HyClass115W	735	1400	1067	58	4	102	160	56	11.0	8.3	37.7
HyClass125W	1095	---	**---**	86	4	102	160	61	9.0	9.6	36.7
HyClass154W	1245	2168	1707	98	5	103	165	63	5.0	9.6	37.2
DL Seeds Inc. / Rubisco Seeds LLC											
Baldur	**1410**	1542	1476	111	5	101	162	63	10.0	8.2	37.7
Dimension	1040	2097	1568	82	5	101	159	61	8.0	8.7	**39.9**
Dynastie	1245	2211	1728	98	5	103	165	56	6.5	10.0	38.3
Flash	1220	**2558**	1889	96	5	104	161	60	3.5	10.0	38.2
Hornet	1210	---	**---**	95	5	103	165	63	7.5	8.4	38.6
Safran	**1795**	**2479**	2137	142	5	104	165	58	1.5	9.3	37.8
Sitro	**1295**	**2729**	2012	102	4	101	160	62	9.0	8.3	38.7
Visby	**1915**	1958	1937	151	4	101	161	58	3.5	8.3	39.0
High Plains Crop Development											
Claremore CL	**1460**	2057	1758	115	4	107	166	37	1.5	8.3	37.9
HPX-7228	1255	1670	1463	99	4	102	160	56	22.5	7.5	37.2
HPX-7341	**1325**	1886	1606	105	4	103	163	58	10.0	9.5	37.5
Kansas State University											
Kiowa	**1700**	1936	1818	134	4	104	160	57	9.0	9.2	37.4
KS4083	**1340**	---	**---**	106	4	101	160	58	6.5	9.3	37.8
KS4426	**1445**	2028	1737	114	5	104	163	59	6.5	9.4	37.7
KS4428	835	---	**---**	66	4	102	160	60	9.0	9.6	37.8
Riley	**1505**	1772	1639	119	4	104	167	56	7.5	10.8	38.8
Sumner	1015	1764	1390	80	4	102	160	60	8.5	8.0	38.5
Wichita	1280	1863	1572	101	4	104	166	60	5.0	8.6	37.9
MOMONT											
Chrome	**1665**	**2258**	1962	131	5	104	164	58	7.5	7.4	39.0
Hybrilux	**1315**	---	**---**	104	5	103	162	62	11.0	7.7	38.4
Hybristar	**1490**	**2405**	1947	118	5	102	162	58	12.5	8.7	38.9
Hybrisurf	**1635**	1683	1659	129	5	103	162	57	3.5	11.3	**39.8**
Kadore	**1415**	1912	1664	112	4	103	164	55	1.0	9.8	37.1
MH06E10	655	1946	1301	52	5	104	164	62	5.0	5.8	38.0
MH06E11	1105	1954	1529	87	5	103	160	61	6.5	8.7	**39.2**
MH06E4	**1625**	**2464**	2044	128	5	103	164	61	4.5	10.2	38.3

Table 10. Results for the 2011 National Winter Canola Variety Trial at Vincennes, IN

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Fall Vigor	50% Bloom	Maturity	Plant Height	Sclerotinia[2]	Moisture	Oil
	2011	2010	2-Yr.	2011	(1-5)	(DOY)	(DOY)	(in.)	(%)	(%)	(%)
Monsanto / DEKALB											
DKW41-10	1190	1336	1263	94	4	101	159	55	45.0	4.8	37.1
DKW44-10	1200	---	**---**	95	4	104	165	63	3.5	7.6	35.0
DKW46-15	945	986	965	75	4	104	159	61	5.0	8.5	38.7
DKW47-15	925	1405	1165	73	4	104	162	55	11.0	10.0	37.5
Technology Crops International											
Rossini	**1680**	---	**---**	133	5	101	160	56	11.0	7.3	**40.5**
University of Idaho											
Amanda	**1735**	---	**---**	137	4	107	165	61	6.5	7.9	38.1
Athena	**1550**	---	**---**	122	4	104	162	56	5.0	8.0	38.3
Durola	**1410**	---	**---**	111	4	104	165	60	6.5	8.7	**40.1**
Virginia State University											
Virginia	**1440**	1974	1707	114	5	103	162	59	3.5	10.4	37.0
VSX-3	1290	---	**---**	102	5	102	161	57	2.0	9.7	37.4
Mean	1270	1912	**---**	**---**	4	103	162	58	11.2	8.8	38.0
CV	28	16	**---**	**---**	11	1	1	6	26.2	15.3	1.5
LSD (0.05)	620	490	**---**	**---**	1	2	2	6	5.9	2.6	1.2

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

[2]Sclerotinia is rated as percentage of plants infected.

East Lansing, Michigan

Russ Freed
Michigan State University

Planted: 9/20/2010
Harvested: 7/13/2011
Herbicides: 1 qt/a Treflan
Soil Test: NA
Fertilizer: 76-76-76 lb N-P-K fertilizer in fall
Soil Type: Capac loam
Elevation: 860 ft Latitude: 42° 42'N
Comments: The location averaged 40% yield loss from bird feeding across the plot.

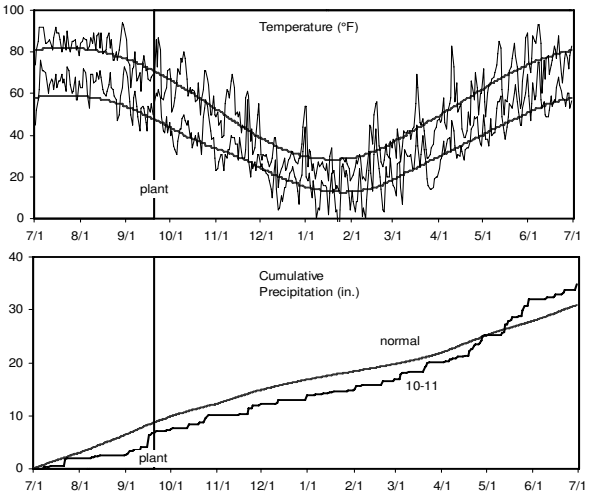


Table 11. Results for the 2011 National Winter Canola Variety Trial at East Lansing, MI

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	1989	1984	1987	116	95	93	94	135	---	---	---	39.4
AAMU-6-07	1733	---	---	101	90	---	---	134	---	---	---	**41.5**
AAMU-62-07	1936	---	---	113	95	---	---	134	---	---	---	39.3
AAMU-64-07	1638	---	---	96	95	---	---	134	---	---	---	39.7
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1199	1819	1509	70	95	93	94	133	---	---	---	39.4
Dimension	1481	2185	1833	87	95	95	95	134	---	---	---	39.7
Dynastie	2400	**2725**	2562	140	95	95	95	135	---	---	---	39.9
Flash	1681	**2201**	1941	98	95	92	93	133	---	---	---	**41.0**
Hornet	1390	---	---	81	95	---	---	134	---	---	---	**41.0**
Safran	1641	**2381**	2011	96	90	92	91	134	---	---	---	39.8
Sitro	1706	**2437**	2071	100	95	93	94	134	---	---	---	**41.1**
Visby	1592	**2344**	1968	93	95	90	93	135	---	---	---	39.7
High Plains Crop Development												
Claremore CL	1646	1760	1703	96	95	95	95	135	---	---	---	40.8
HPX-7228	1593	1888	1741	93	90	95	93	134	---	---	---	39.6
HPX-7341	1661	**2218**	1939	97	90	93	92	136	---	---	---	38.9
Kansas State University												
Kiowa	1242	1932	1587	73	95	95	95	134	---	---	---	40.1
KS4083	1663	---	---	97	95	---	---	135	---	---	---	39.7
KS4426	1195	**2214**	1704	70	95	90	93	136	---	---	---	38.8
KS4428	1993	---	---	116	95	---	---	135	---	---	---	**41.4**
Riley	1902	1995	1949	111	90	92	91	135	---	---	---	**43.1**
Sumner	1620	1800	1710	95	95	95	95	134	---	---	---	38.5
Wichita	1584	2100	1842	93	95	95	95	136	---	---	---	38.8
MOMONT												
Chrome	1801	**2248**	2025	105	90	93	92	136	---	---	---	39.5
Hybrilux	1723	---	---	101	90	---	---	136	---	---	---	**41.1**
Hybristar	1735	2156	1945	101	90	92	91	135	---	---	---	40.1
Hybrisurf	2187	**2723**	2455	128	95	95	95	134	---	---	---	**41.5**
Kadore	1584	**2306**	1945	93	90	95	93	135	---	---	---	39.5
MH06E10	2045	2163	2104	120	95	93	94	135	---	---	---	**42.5**
MH06E11	1626	2014	1820	95	95	93	94	134	---	---	---	39.4
MH06E4	1638	2003	1820	96	95	92	93	134	---	---	---	39.5
Technology Crops International												
Rossini	1985	---	---	116	90	---	---	133	---	---	---	**42.3**
University of Idaho												
Amanda	2250	---	---	131	95	---	---	136	---	---	---	40.1
Athena	1608	---	---	94	95	---	---	135	---	---	---	39.9
Durola	1576	---	---	92	90	---	---	134	---	---	---	40.2

Table 11. Results for the 2011 National Winter Canola Variety Trial at East Lansing, MI

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Virginia State University												
Virginia	1714	**2340**	2027	100	90	95	93	137	---	---	---	39.7
VSX-3	1648	---	---	96	95	---	---	134	---	---	---	38.8
Mean	1711	2054	---	---	93	93	---	135	---	---	---	40.1
CV	28	16	---	---	---	2	---	10	---	---	---	2.6
LSD (0.05)	NS	525	---	---	NS	4	---	NS	---	---	---	2.2

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Custar, Ohio

Edwin Lentz
The Ohio State University

Planted:	9/7/2010 at 6 lb/a in 7-in. rows
Harvested:	6/30/2011
Herbicides:	5 oz/a Shadow
Insecticides:	None
Irrigation:	None
Previous Crop:	Wheat
Soil Test:	P=31 ppm, K=172 ppm, pH=6
Fertilizer:	27-69-90 lb N-P-K fertilizer in fall 120-0-0 lb N-P-K fertilizer in spring
Soil Type:	Hoytville Clay
Elevation:	797 ft Latitude: 41° 13'N
Comments:	Excessive rainfall from April to June negatively affected yields.

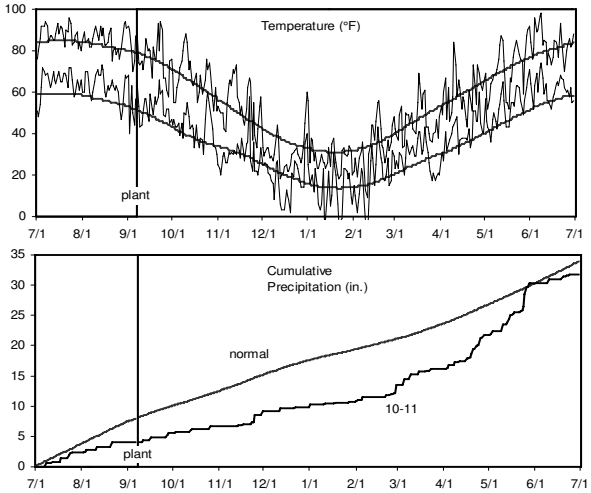


Table 12. Results for the 2011 National Winter Canola Variety Trial at Custar, OH

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	1537	**3452**	2495	108	100	84	92	126	43	---	---	37.9
AAMU-6-07	1668	---	---	117	99	---	---	127	44	---	---	38.8
AAMU-62-07	1526	---	---	107	97	---	---	126	43	---	---	37.8
AAMU-64-07	1716	---	---	120	100	---	---	126	45	---	---	38.3
Croplan Genetics												
HyClass110W	1754	**3583**	2668	123	100	77	88	129	44	---	---	39.2
HyClass115W	1156	**3431**	2293	81	100	85	92	128	49	---	---	38.3
HyClass125W	1159	---	---	81	100	---	---	128	48	---	---	38.0
HyClass154W	1698	**3644**	2671	119	100	76	88	128	50	---	---	38.6
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1415	2875	2145	99	100	80	90	127	47	---	---	38.8
Dimension	1598	**3734**	2666	112	100	78	89	128	48	---	---	38.1
Dynastie	1569	**4015**	2792	110	100	84	92	128	47	---	---	38.0
Flash	1740	**3807**	2773	122	100	80	90	128	48	---	---	38.5
Hornet	1203	---	---	84	100	---	---	128	51	---	---	36.6
Safran	1486	---	---	104	100	0	50	128	50	---	---	38.5
Sitro	1493	**4213**	2853	105	100	81	91	127	49	---	---	36.7
Visby	1282	**3572**	2427	90	87	79	83	127	46	---	---	39.4
High Plains Crop Development												
Claremore CL	1203	2548	1875	84	98	80	89	131	48	---	---	39.5
HPX-7228	1085	**3320**	2202	76	100	87	94	128	46	---	---	37.2
HPX-7341	1251	**3382**	2316	88	100	80	90	128	50	---	---	38.8
Kansas State University												
Kiowa	1179	**3407**	2293	83	100	76	88	129	49	---	---	37.2
KS4083	1290	---	---	90	98	---	---	129	48	---	---	36.8
KS4426	1193	**3712**	2452	84	100	79	90	129	47	---	---	38.8
KS4428	1344	---	---	94	100	---	---	128	48	---	---	38.1
Riley	1346	**3539**	2442	94	100	78	89	128	48	---	---	36.7
Sumner	2094	3154	2624	147	100	84	92	128	51	---	---	40.1
Wichita	1270	**3667**	2469	89	100	84	92	128	48	---	---	37.6
MOMONT												
Chrome	819	**4267**	2543	57	100	79	89	128	47	---	---	38.5
Hybrilux	1118	---	---	78	100	---	---	128	49	---	---	39.6
Hybristar	1217	**3413**	2315	85	100	78	89	128	49	---	---	38.7
Hybrisurf	1504	**3830**	2667	105	100	81	91	128	46	---	---	38.4
Kadore	1517	**3805**	2661	106	100	81	90	129	47	---	---	37.3
MH06E10	1662	**3601**	2631	117	90	82	86	128	49	---	---	38.1
MH06E11	1554	**4142**	2848	109	100	81	90	128	50	---	---	36.8
MH06E4	1869	**4222**	3046	131	95	84	90	128	48	---	---	39.9

Table 12. Results for the 2011 National Winter Canola Variety Trial at Custar, OH

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1139	2833	1986	80	100	79	90	127	42	---	---	38.1
DKW44-10	1549	---	---	109	100	---	---	130	44	---	---	38.4
DKW46-15	1418	2215	1817	99	100	80	90	128	45	---	---	38.0
DKW47-15	1295	3025	2160	91	100	79	90	128	46	---	---	37.8
Technology Crops International												
Rossini	1384	---	---	97	100	---	---	127	47	---	---	36.1
University of Idaho												
Amanda	1012	---	---	71	92	---	---	130	47	---	---	38.6
Athena	1544	---	---	108	100	---	---	128	50	---	---	38.0
Durola	1819	---	---	128	93	---	---	128	46	---	---	37.4
Virginia State University												
Virginia	1687	**3489**	2588	118	100	85	92	127	45	---	---	38.5
VSX-3	1379	---	---	97	88	---	---	127	46	---	---	38.3
Mean	1426	3453	---	---	99	81	---	128	47	---	---	38.1
CV	26	18	---	---	6	4	---	1	6	---	---	4.1
LSD (0.05)	NS	1013	---	---	NS	6	---	1	5	---	---	NS

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Spring Hill, Tennessee

Dennis West
University of Tennesee

Planted:	9/30/2010 at 8 lb/a in 7-in. rows
Harvested:	6/9/2011
Herbicides:	None
Insecticides:	None
Irrigation:	None
Previous Crop:	Corn
Soil Test:	P=High, K=Very High, and pH=5.5
Fertilizer:	30-30-30 lb N-P-K fertilizer in fall
	120-0-0-20-3 lb N-P-K-S-B fertilizer in spring
Soil Type:	Silt loam
Elevation:	751 ft Latitude: 35° 42'N
Comments:	Some stand variability due to poor establishment.

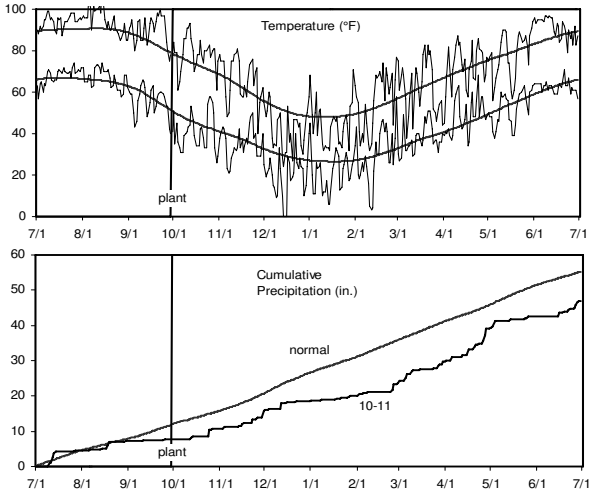


Table 13. Results for the 2011 National Winter Canola Variety Trial at Spring Hill, TN

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Fall Stand	Plant Height	Shattering	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(%)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	**1668**	---	---	107	---	---	---	88	45	25.0	49.8	40.9
AAMU-6-07	1203	---	---	77	---	---	---	88	47	15.0	50.2	40.2
AAMU-62-07	1251	---	---	80	---	---	---	92	43	28.0	50.4	39.5
AAMU-64-07	1240	---	---	79	---	---	---	83	44	25.0	50.0	39.6
Croplan Genetics												
HyClass110W	1299	---	---	83	---	---	---	85	45	23.0	50.9	39.9
HyClass115W	861	---	---	55	---	---	---	95	45	37.0	51.2	39.6
HyClass125W	1113	---	---	71	---	---	---	92	46	45.0	50.9	39.1
HyClass154W	1569	---	---	100	---	---	---	90	47	5.0	51.2	38.9
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1319	---	---	84	---	---	---	91	46	37.0	51.9	39.9
Dimension	1462	---	---	94	---	---	---	85	49	10.0	50.1	**43.3**
Dynastie	**2185**	---	---	140	---	---	---	92	48	0.0	51.2	40.6
Flash	**1895**	---	---	121	---	---	---	87	50	0.0	51.2	40.4
Hornet	**1717**	---	---	110	---	---	---	87	50	2.0	51.2	40.4
Safran	**1639**	---	---	105	---	---	---	70	49	2.0	51.5	39.7
Sitro	**1908**	---	---	122	---	---	---	88	49	3.0	51.3	39.7
Visby	1450	---	---	93	---	---	---	87	47	17.0	51.9	40.1
High Plains Crop Development												
Claremore CL	**2022**	---	---	129	---	---	---	85	53	7.0	50.3	40.2
HPX-7228	**1873**	---	---	120	---	---	---	95	46	20.0	51.8	39.5
HPX-7341	1337	---	---	86	---	---	---	75	50	20.0	51.4	39.6
Kansas State University												
Kiowa	**1954**	---	---	125	---	---	---	82	52	9.0	50.6	40.3
KS4083	**1710**	---	---	109	---	---	---	85	50	20.0	50.6	40.7
KS4426	**1953**	---	---	125	---	---	---	87	47	20.0	51.1	40.6
KS4428	**1804**	---	---	115	---	---	---	88	49	5.0	50.9	40.0
Riley	1346	---	---	86	---	---	---	73	47	15.0	50.9	40.4
Sumner	1527	---	---	98	---	---	---	70	48	18.0	50.4	40.0
Wichita	**1857**	---	---	119	---	---	---	90	49	15.0	51.1	40.2
MOMONT												
Chrome	**1963**	---	---	126	---	---	---	83	50	17.0	50.8	**42.3**
Hybrilux	**1897**	---	---	121	---	---	---	75	51	5.0	49.5	41.9
Hybristar	1552	---	---	99	---	---	---	90	47	10.0	52.1	39.6
Hybrisurf	1585	---	---	101	---	---	---	90	51	9.0	49.8	**42.5**
Kadore	**2116**	---	---	135	---	---	---	85	46	0.0	50.8	40.7
MH06E10	**1716**	---	---	110	---	---	---	88	51	14.0	51.0	40.2
MH06E11	**1623**	---	---	104	---	---	---	83	53	18.0	49.2	40.4
MH06E4	**2047**	---	---	131	---	---	---	87	52	7.0	50.6	40.9

Table 13. Results for the 2011 National Winter Canola Variety Trial at Spring Hill, TN

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Fall Stand	Plant Height	Shattering	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(%)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1373	---	---	88	---	---	---	90	43	47.0	52.4	39.7
DKW44-10	1516	---	---	97	---	---	---	85	44	35.0	49.9	40.3
DKW46-15	877	---	---	56	---	---	---	80	46	5.0	50.7	40.3
DKW47-15	844	---	---	54	---	---	---	82	48	12.0	51.6	38.7
Technology Crops International												
Rossini	1200	---	---	77	---	---	---	86	46	0.0	51.4	41.5
University of Idaho												
Amanda	1085	---	---	69	---	---	---	87	49	30.0	52.2	39.5
Athena	1121	---	---	72	---	---	---	82	47	23.0	51.7	39.6
Durola	1458	---	---	93	---	---	---	75	49	22.0	50.6	**43.1**
Virginia State University												
Virginia	**1999**	---	---	128	---	---	---	78	46	0.0	49.2	41.2
VSX-3	**1970**	---	---	126	---	---	---	83	47	2.0	49.8	41.1
Mean	1563	---	---	---	---	---	---	85	48	16.0	50.8	40.4
CV	23	---	---	---	---	---	---	12	4	70.0	1.0	1.3
LSD (0.05)	576	---	---	---	---	---	---	17	4	18.0	1.0	1.6

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other. Yield means adjusted to 9% moisture.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

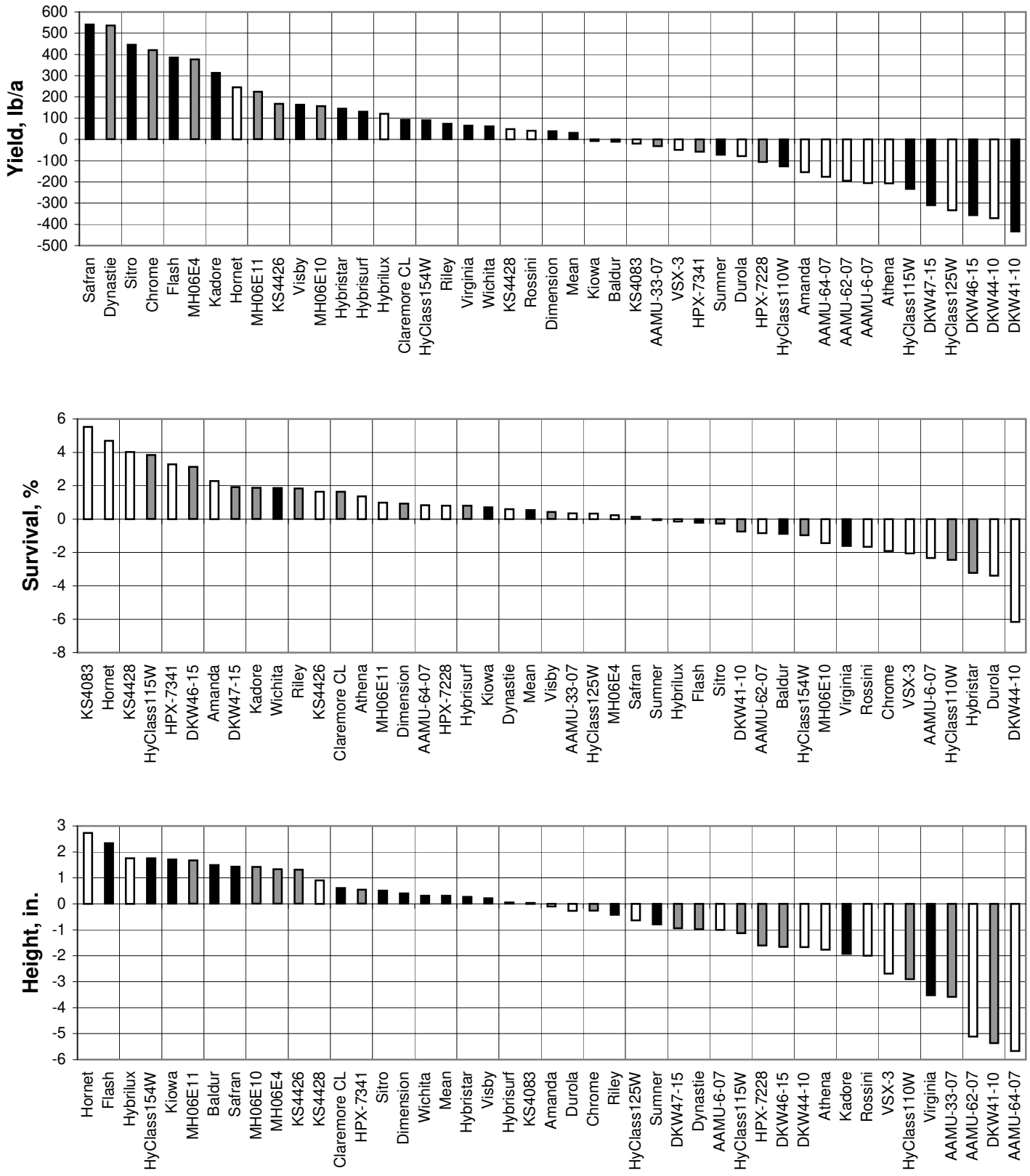
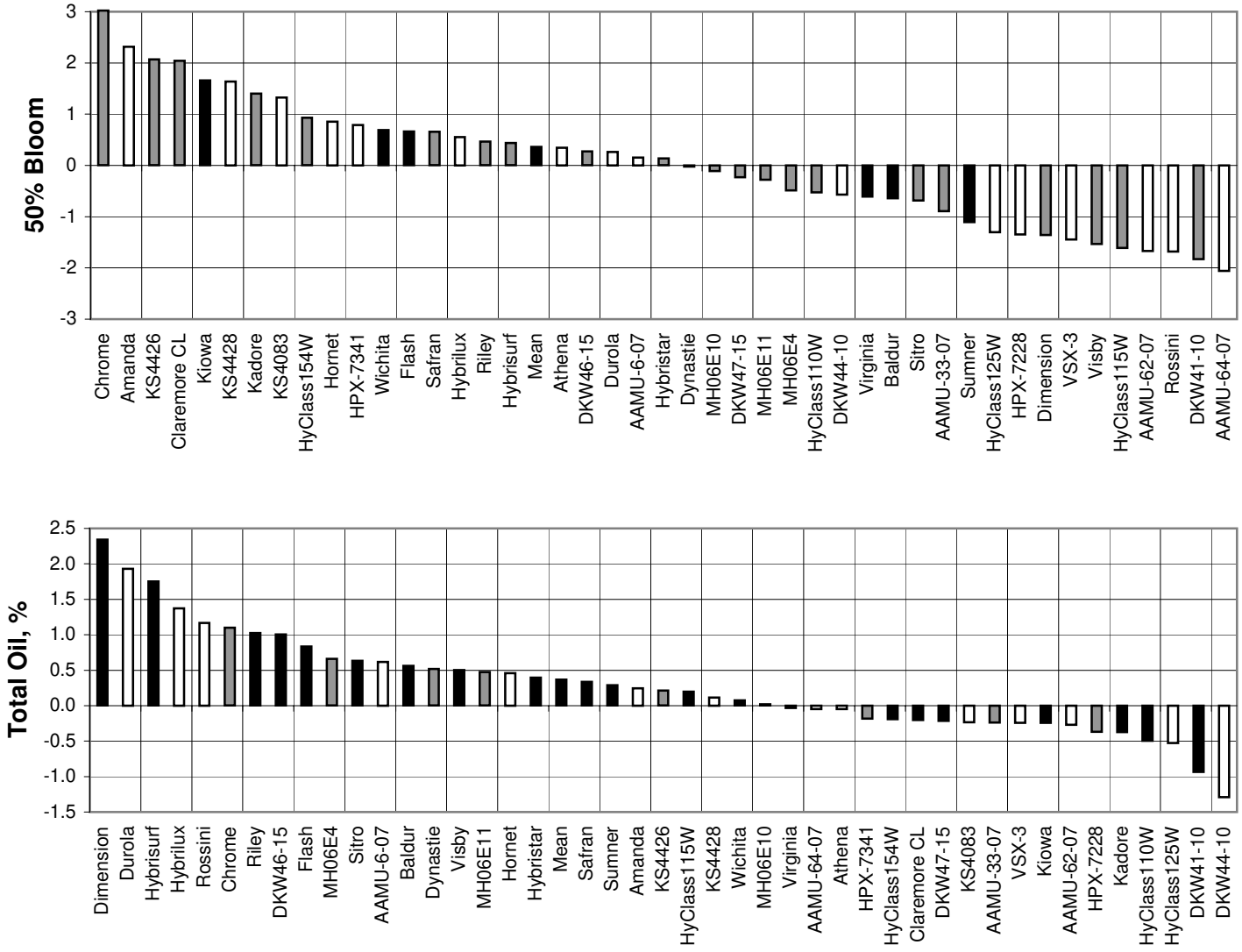


Figure 2. Midwest Winter Canola Summary, 2006-2011.



Note: Values are 6-year moving averages of the differences between each cultivar and the mean of Baldur, Sumner, and Wichita for yield (lb/a), winter survival (%), plant height (in.), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (shown at right).

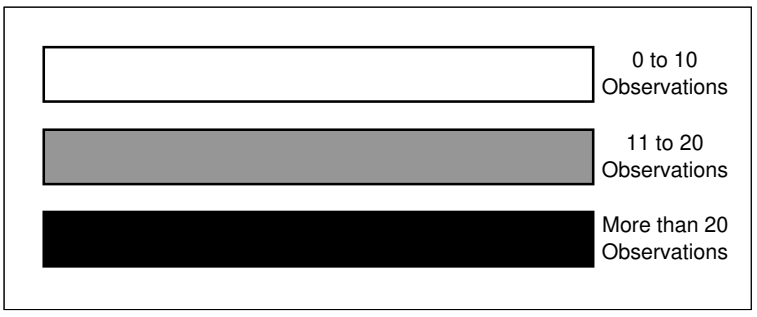


Figure 2. Midwest Winter Canola Summary, 2006-2011 (continued).

Yellow Jacket, Colorado

Abdel Berrada
Colorado State University

Planted: 9/2/2010
Harvested: 7/22/2011
Herbicides: 2.3 pt/a Sonalan
Insecticides: None
Irrigation: None
Previous Crop: NA
Soil Test: NA
Fertilizer: 60-40-0 lb N-P-K fertilizer in spring
Soil Type: Wetherill loam
Elevation: 6928 ft Latitude: 37° 32'N
Comments: Soil moisture at planting was adequate but emergence was uneven. Only slight seed shattering from birds. This was the first truly dryland trial at Yellow Jacket; no supplemental irrigation was provided.

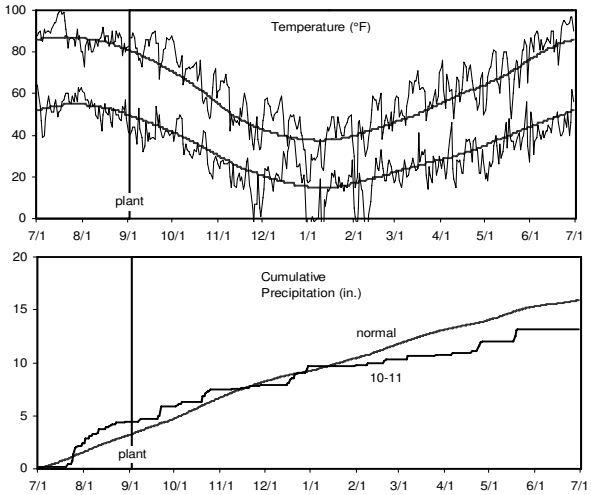


Table 14. Results for the 2011 National Winter Canola Variety Trial at Yellow Jacket, CO

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**2029**	**1746**	1888	119	97	100	98	45	6.4	50.2	---	36.7
Dimension	1176	1407	1292	69	93	88	91	44	7.8	50.1	---	**37.6**
Dynastie	**2029**	**1507**	1768	119	90	98	94	46	6.6	49.4	---	**37.9**
Flash	1449	1471	1460	85	98	97	98	49	9.3	49.0	---	36.2
Hornet	1376	**---**	---	81	97	---	---	49	7.2	50.5	---	35.4
Safran	1684	**1493**	1589	99	95	90	93	45	8.0	48.4	---	34.9
Sitro	**1809**	**1745**	1777	106	93	91	92	45	6.6	48.0	---	37.1
Visby	**2374**	**1866**	2120	140	98	97	98	44	6.8	49.0	---	**39.3**
High Plains Crop Development												
Claremore CL	1648	**1758**	1703	97	98	99	99	46	6.4	49.7	---	35.5
HPX-7228	**2280**	1310	1795	134	98	97	98	46	7.1	50.5	---	35.1
HPX-7341	**1982**	1269	1626	116	100	94	97	45	6.1	49.1	---	**37.4**
Kansas State University												
Kiowa	**1795**	1003	1399	105	100	97	98	49	5.9	48.7	---	35.4
KS4083	1513	**---**	---	89	98	---	---	46	6.4	48.7	---	35.4
KS4426	1200	**1619**	1410	71	97	97	97	45	6.5	49.1	---	36.5
KS4428	1601	**---**	---	94	93	---	---	46	6.3	50.2	---	37.0
Riley	1769	**1588**	1678	104	97	97	97	46	5.8	48.7	---	36.6
Sumner	1157	1286	1221	68	92	98	95	45	6.0	49.8	---	35.3
Wichita	**1998**	1465	1732	117	97	100	98	45	5.8	49.2	---	35.8
MOMONT												
Chrome	1753	**2021**	1887	103	98	94	96	44	6.3	50.5	---	**37.8**
Hybrilux	1019	**---**	---	60	92	---	---	45	6.9	47.5	---	35.9
Hybristar	**2213**	**1691**	1952	130	98	98	98	45	6.5	49.0	---	35.1
Hybrisurf	**2148**	**1633**	1891	126	97	88	92	47	7.0	49.4	---	**37.8**
Kadore	1364	**1839**	1601	80	93	98	96	39	6.9	49.4	---	35.6
University of Idaho												
Amanda	1693	**---**	---	100	98	---	---	44	6.1	51.3	---	36.0
Athena	**1949**	**---**	---	115	97	---	---	44	6.1	50.2	---	37.2
Durola	**1792**	**---**	---	105	93	---	---	45	6.2	47.9	---	**39.8**
Virginia State University												
Virginia	1571	1017	1294	92	97	99	98	41	6.3	48.6	---	34.6
VSX-3	1275	**---**	---	75	97	---	---	39	6.4	49.9	---	35.0
Mean	1702	1522	---	---	96	96	---	45	6.6	49.4	---	36.2
CV	21	22	---	---	6	5	---	4	9.6	2.4	---	3.4
LSD (0.05)	595	535	---	---	NS	8	---	3	1.0	NS	---	2.5

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Garden City, Kansas

Johnathon Holman
Kansas State University

Planted: 8/31/2010
Harvested: 7/7/2011
Herbicides: 2 pt/a Roundup, 3 pt/a Prowl
Insecticides: 3.8 oz/a Warrior
Irrigation: 8 in.
Previous Crop: Wheat
Soil Test: N=12 ppm, P=57ppm
Fertilizer: 126-26-0-10 lb N-P-K-S fertilizer in fall
70-0-0 lb N-P-K fertilizer in spring
Soil Type: Ulyssess-Richfield silt loam
Elevation: 2835 ft Latitude: 37° 99'N
Comments: Supplemental irrigation was applied on each of the following dates: 3/23, 4/7, 4/18, 5/3, 5/8, 5/12, 5/19, 5/31, and 6/4. Plot was sprayed on 10/12/10 for diamondback moth larvae.

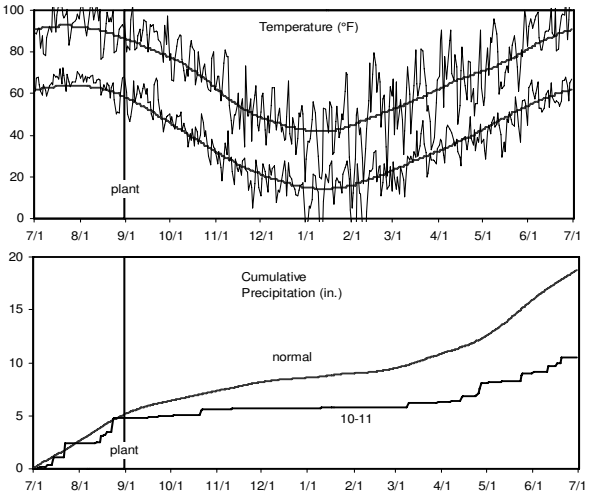


Table 15. Results for the 2011 National Winter Canola Variety Trial at Garden City, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-33-07	1543	2392	1968	67	100	74	87	42	6.7	---	29.3	33.3
AAMU-6-07	1727	---	---	75	100	---	---	44	7.1	36.5	28.3	32.7
AAMU-62-07	1354	---	---	59	88	---	---	40	6.9	---	28.7	28.0
AAMU-64-07	1125	---	---	49	96	---	---	41	6.8	---	29.4	30.4
Croplan Genetics												
HyClass110W	1759	1651	1705	76	92	41	66	40	7.3	40.1	31.6	34.4
HyClass115W	2045	**2591**	2318	89	100	89	95	41	7.0	38.8	29.9	35.7
HyClass125W	2269	---	---	99	96	---	---	43	7.2	42.4	30.5	37.3
HyClass154W	1853	2354	2104	81	100	67	83	44	6.9	39.8	29.3	33.9
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	2702	**2755**	2729	117	100	82	91	44	7.0	45.0	28.6	37.7
Dimension	2442	1861	2151	106	96	44	70	43	7.2	43.8	29.8	36.6
Dynastie	2606	**2620**	2613	113	100	67	83	44	8.1	43.1	28.0	**38.0**
Flash	2198	2082	2140	96	100	52	76	46	8.7	42.8	29.5	34.6
Hornet	2411	---	---	105	100	---	---	43	7.5	43.2	29.9	35.6
Safran	**2978**	**2739**	2859	129	100	74	87	42	7.6	47.8	30.1	**38.0**
Sitro	2737	2203	2470	119	100	59	80	43	7.7	44.3	30.5	37.3
Visby	2680	**2888**	2784	117	100	82	91	42	6.9	41.2	28.8	37.1
High Plains Crop Development												
Claremore CL	1973	2409	2191	86	89	82	85	47	7.0	40.6	32.1	35.3
HPX-7228	**2812**	**2783**	2798	122	100	96	98	42	7.2	43.2	29.1	37.0
HPX-7341	**2853**	**2627**	2740	124	100	93	97	44	7.3	44.8	30.5	36.2
Kansas State University												
Kiowa	2128	2531	2330	93	96	89	93	46	7.3	37.3	29.8	34.3
KS4083	2546	---	---	111	100	---	---	45	7.2	40.5	30.4	35.2
KS4426	2337	**2704**	2520	102	100	96	98	44	7.1	43.7	29.1	36.7
KS4428	**2919**	---	---	127	97	---	---	44	7.5	44.6	29.1	36.7
Riley	2661	**2981**	2821	116	100	93	97	42	6.8	43.9	29.5	**38.3**
Sumner	2361	**2897**	2629	103	96	89	93	42	7.0	42.6	30.3	37.8
Wichita	**2797**	**2805**	2801	122	100	96	98	43	6.8	44.0	31.0	37.6
MOMONT												
Chrome	**3016**	**2858**	2937	131	100	75	88	45	7.2	45.4	29.3	**39.1**
Hybrilux	2022	---	---	88	89	---	---	44	7.3	36.0	29.1	35.8
Hybristar	2144	1389	1766	93	96	30	63	43	7.6	38.9	30.3	36.6
Hybrisurf	**2864**	1668	2266	125	96	30	63	41	6.3	47.5	28.6	**39.5**
Kadore	**3301**	**3035**	3168	144	100	90	95	39	7.5	47.2	28.8	37.7
MH06E10	2252	1362	1807	98	78	30	54	45	7.5	41.7	30.3	36.3
MH06E11	2172	1740	1956	94	88	48	68	44	7.3	37.1	28.0	35.3
MH06E4	2351	2368	2359	102	96	30	63	42	6.9	42.7	30.9	35.1

Table 15. Results for the 2011 National Winter Canola Variety Trial at Garden City, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Monsanto / DEKALB												
DKW41-10	1861	2192	2026	81	100	82	91	35	7.4	41.8	32.2	34.4
DKW44-10	2191	---	---	95	100	---	---	37	7.4	40.8	30.7	33.9
DKW46-15	2386	2431	2408	104	96	85	91	41	6.3	44.8	29.1	**38.7**
DKW47-15	1696	2246	1971	74	100	78	89	43	7.0	40.5	29.0	33.3
Technology Crops International												
Rossini	1693	---	---	74	100	---	---	42	7.0	38.9	28.3	34.6
University of Idaho												
Amanda	2571	---	---	112	96	---	---	45	7.2	47.2	30.6	37.6
Athena	2320	---	---	101	96	---	---	44	7.8	41.6	29.4	36.8
Durola	2276	---	---	99	96	---	---	44	7.2	43.6	29.1	**40.6**
Virginia State University												
Virginia	2236	**2616**	2426	97	100	78	89	42	7.2	40.3	30.3	35.4
VSX-3	2365	---	---	103	100	---	---	42	7.2	40.2	30.2	36.1
Mean	2300	2348	---	---	97	71	---	43	7.2	42.4	29.7	35.9
CV	15	12	---	---	5	14	---	3	7.4	6.9	3.1	3.7
LSD (0.05)	557	445	---	---	8	16	---	2	0.9	4.8	1.9	2.7

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Manhattan, Kansas

Michael Stamm and Scott Dooley
Kansas State University

Planted:	9/13/2010 at 5 lb/a in 9-in. rows
Swathed:	6/14/2011
Harvested:	6/22/2011
Herbicides:	Assure II
Insecticides:	Warrior
Irrigation:	None
Previous Crop:	Soybean
Soil Test:	P=57 ppm, K=168 ppm
Fertilizer:	75-0-0-20 lb N-P-K-S fertilizer in fall 50-0-0 lb N-P-K fertilizer in spring
Soil Type:	Belvue silt loam
Elevation:	1034 ft Latitude: 39° 8'N
Comments:	Average temperatures and timely rains resulted in excellent grain yields.

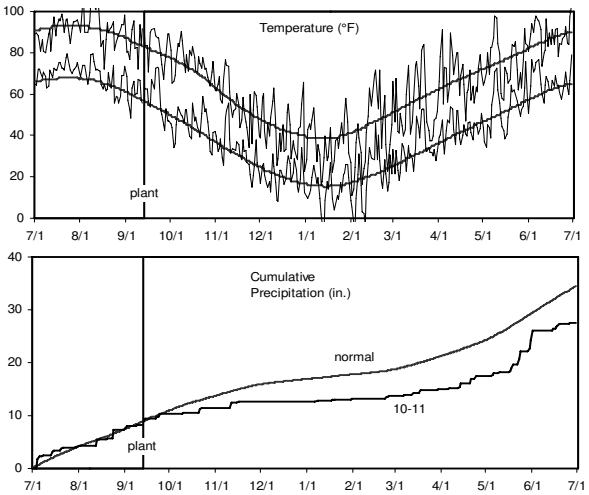


Table 16. Results for the 2011 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-33-07	2172	2385	2278	94	97	100	98	49	6.9	45.5	25.2	40.1
AAMU-6-07	2079	---	---	90	98	---	---	53	7.4	47.3	25.2	40.9
AAMU-62-07	1498	---	---	65	99	---	---	43	6.7	42.4	24.2	38.8
Croplan Genetics												
HyClass110W	1603	2210	1906	69	99	85	92	47	7.7	46.8	24.1	41.5
HyClass115W	1951	1231	1591	84	100	100	100	53	7.5	47.1	25.2	41.3
HyClass125W	2277	---	---	98	100	---	---	52	6.7	48.0	25.4	41.8
HyClass154W	**2590**	1584	2087	112	98	100	99	58	7.3	49.1	**25.9**	41.0
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**2590**	1874	2232	112	99	98	98	56	8.1	49.1	24.0	41.1
Dimension	2149	2444	2297	93	99	90	94	53	7.3	49.1	22.6	**44.5**
Dynastie	**2672**	2717	2695	115	100	98	99	54	7.6	50.8	24.0	41.9
Flash	**2602**	1981	2292	112	100	90	95	58	7.4	49.1	25.2	42.2
Hornet	**2439**	---	---	105	100	---	---	57	8.0	49.5	23.6	42.4
Safran	**2544**	1823	2183	110	100	100	100	56	7.0	49.1	25.0	42.0
Sitro	**2474**	2671	2572	107	99	100	100	51	7.3	50.4	24.1	42.0
Visby	**2858**	2176	2517	123	99	100	100	50	7.0	48.9	23.6	41.9
High Plains Crop Development												
Claremore CL	2312	---	---	100	99	---	---	54	7.1	49.6	**25.7**	42.1
HPX-7228	**2463**	2342	2402	106	100	100	100	53	7.3	50.4	24.4	41.7
HPX-7341	**2405**	2492	2448	104	99	100	100	56	7.1	49.6	24.9	41.4
Kansas State University												
Kiowa	2219	1407	1813	96	100	100	100	57	7.8	48.0	23.6	**42.6**
KS4083	**2625**	---	---	113	100	---	---	60	7.3	49.2	**25.8**	41.0
KS4426	**2614**	2175	2394	113	100	100	100	58	7.4	49.6	25.0	41.9
KS4428	**2730**	---	---	118	100	---	---	56	7.0	49.7	24.7	41.9
Riley	**2602**	1985	2294	112	100	98	99	57	7.9	49.1	25.1	42.0
Sumner	2207	2385	2296	95	100	100	100	56	7.3	49.5	**25.5**	41.7
Wichita	**2927**	2102	2515	126	100	100	100	57	7.3	48.9	**26.6**	41.0
MOMONT												
Chrome	2300	2289	2294	99	99	100	99	51	7.0	50.7	22.1	**43.9**
Hybrilux	**2811**	---	---	121	96	---	---	59	7.7	48.5	**25.9**	42.1
Hybristar	**2416**	2246	2331	104	97	90	93	51	7.0	50.0	24.9	42.0
Hybrisurf	**2428**	2377	2403	105	99	100	99	55	7.4	50.3	24.0	**43.4**
Kadore	**2869**	2040	2455	124	100	100	100	53	7.4	50.5	24.7	40.9
MH06E10	**2416**	2365	2390	104	90	83	86	54	7.2	50.8	24.9	41.8
MH06E11	**2590**	2230	2410	112	98	100	99	52	7.1	50.1	22.5	**43.5**
MH06E4	2323	2154	2239	100	99	95	97	56	8.2	49.4	24.3	42.0

Table 16. Results for the 2011 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Monsanto / DEKALB												
DKW41-10	1777	1553	1665	77	100	100	100	43	8.3	49.3	25.0	40.5
DKW44-10	2021	---	---	87	100	---	---	46	7.5	48.8	25.0	40.0
DKW46-15	1905	1590	1747	82	100	100	100	49	6.8	47.1	23.8	42.2
DKW47-15	2126	1870	1998	92	100	100	100	58	6.6	48.0	**25.9**	41.0
Technology Crops International												
Rossini	2219	---	---	96	100	---	---	48	6.7	49.2	24.4	**42.8**
TCI805	1975	---	---	85	98	---	---	55	7.2	48.5	**25.5**	41.3
TCI806	**2614**	---	---	113	98	---	---	56	7.4	50.1	**27.9**	40.0
University of Idaho												
Amanda	2149	---	---	93	100	---	---	55	7.3	51.1	25.1	41.3
Athena	1835	---	---	79	100	---	---	53	7.6	48.6	25.4	41.8
Durola	1557	---	---	67	98	---	---	54	7.2	49.7	24.4	**44.4**
Virginia State University												
Virginia	1905	2421	2163	82	99	98	98	50	7.7	48.1	23.1	**43.1**
VSX-3	**2381**	---	---	103	99	---	---	51	7.6	49.2	23.8	**42.6**
Mean	2316	2063	---	---	99	97	98	53	7.3	49.0	24.7	41.8
CV	15	21	---	---	2	5	4	5	8.8	2.3	4.8	2.3
LSD (0.05)	576	NS	---	---	3	11	7	5	NS	1.9	2.4	2.0

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Marquette, Kansas

Dale Ladd
Kansas State University

Planted: 9/20/2010 at 5 lb/a in 9-in. rows
Swathed: 6/10/2011
Harvested: 6/17/2011
Herbicides: 9 oz/a Assure II
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 30-20-10-10 lb N-P-K-S fertilizer in fall
60-0-0 lb N-P-K fertilizer in spring
Soil Type: Roxbury silty clay loam
Elevation: 1414 ft Latitude: 38° 34'N
Comments: Timely rains in a very dry year resulted in excellent yields for the second year in a row.

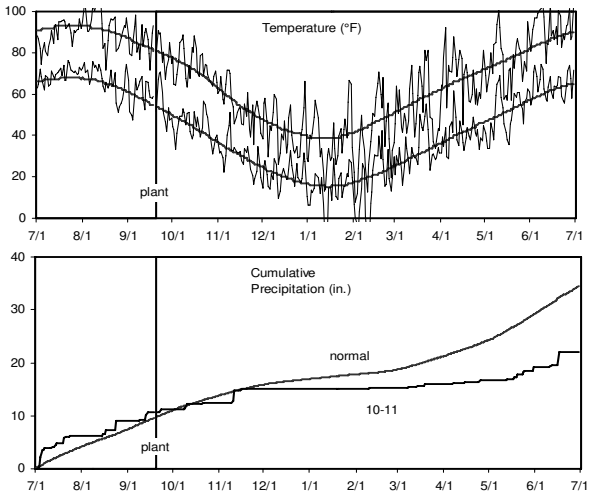


Table 17. Results for the 2011 National Winter Canola Variety Trial at Marquette, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Croplan Genetics												
HyClass115W	1928	1812	1870	92	100	99	99	43	7.4	47.4	27.7	39.4
HyClass125W	1661	---	---	79	100	---	---	42	6.2	48.8	27.7	39.5
HyClass154W	1522	1975	1749	73	100	98	99	48	7.7	48.9	28.8	37.4
DL Seeds Inc. / Rubisco Seeds LLC												
Flash	1905	**2557**	2231	91	100	97	99	47	7.3	49.6	28.0	39.8
Hornet	**2416**	---	---	115	100	---	---	50	7.5	50.3	27.9	39.6
Safran	**2579**	2285	2432	123	100	98	99	47	6.9	49.7	27.9	40.0
Sitro	**2207**	**2858**	2532	105	100	97	98	43	7.9	47.8	26.7	39.9
Visby	**2428**	---	---	116	100	---	---	45	5.5	50.1	26.0	**40.5**
Kansas State University												
Kiowa	**2149**	1733	1941	102	100	100	100	50	7.0	50.3	27.4	39.4
KS4083	**2207**	---	---	105	100	---	---	50	6.5	50.8	28.4	39.9
Riley	**2288**	1938	2113	109	100	100	100	45	6.1	50.0	27.0	**40.9**
Sumner	**2300**	2006	2153	110	100	99	99	46	6.2	50.5	28.1	**40.9**
Wichita	**2277**	1879	2078	109	100	99	100	44	6.3	49.9	**29.3**	39.1
MOMONT												
Chrome	**2242**	---	---	107	97	---	---	47	5.1	50.4	27.3	40.1
Hybristar	1928	2054	1991	92	100	93	97	41	6.3	49.7	28.4	38.8
Hybrisurf	2033	2334	2183	97	97	91	94	47	7.8	50.7	27.1	**40.5**
Monsanto / DEKALB												
DKW41-10	1580	1570	1575	75	100	98	99	34	6.1	48.0	**29.9**	36.8
DKW44-10	**2625**	---	---	125	100	---	---	41	7.7	49.1	27.5	**40.3**
DKW46-15	1859	1895	1877	89	100	97	99	41	5.6	47.9	26.3	**41.3**
DKW47-15	1812	1831	1822	86	100	99	100	45	6.0	48.4	27.9	39.9
Mean	2097	2063	---	---	100	98	99	45	6.7	49.4	27.8	39.7
CV	17	14	---	---	2	3	3	3	19.7	2.3	1.6	1.3
LSD (0.05)	587	411	---	---	NS	5	5	2	NS	1.9	1.0	1.1

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Clovis, New Mexico

Sangu Angadi
New Mexico State University

Planted: 9/27/2010 at 6 lb/a in 6-in. rows
Harvested: 6/6 - 6/14/2011
Herbicides: 1 qt/a Treflan HFP
Insecticides: 3 applications: March, April, and June
Irrigation: 19 in.
Previous Crop: Wheat
Soil Test: P=9 ppm, K=377 ppm, and pH=8.2
Fertilizer: 110-45-0-18 lb N-P-K-S fertilizer in fall
Soil Type: Olton clay loam
Elevation: 4437 ft Latitude: 35° 103'N
Comments: Only 2.78 inches of annual precipitation from planting to harvest.

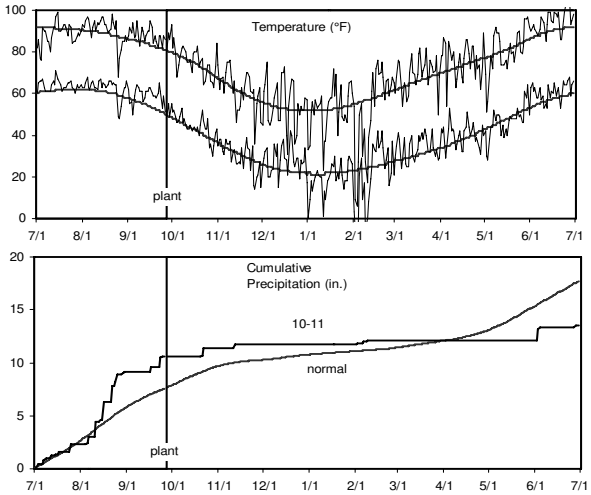


Table 18. Results for the 2011 National Winter Canola Variety Trial at Clovis, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	831	---	---	48	95	---	---	88	29	4.0	45.7	36.0
AAMU-6-07	1101	---	---	63	95	---	---	90	31	4.0	48.3	37.9
AAMU-62-07	885	---	---	51	95	---	---	89	30	4.0	42.3	35.6
AAMU-64-07	790	---	---	46	95	---	---	88	29	4.3	46.0	35.1
Croplan Genetics												
HyClass110W	1155	3505	2330	67	90	---	---	91	28	4.0	45.7	35.0
HyClass115W	1162	3368	2265	67	95	---	---	94	30	4.0	50.0	35.8
HyClass125W	1371	---	---	79	93	---	---	93	31	4.0	48.7	37.7
HyClass154W	**2067**	3618	2842	119	93	---	---	96	30	4.0	52.7	37.1
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**1966**	---	---	113	95	---	---	93	33	3.7	53.0	37.8
Dimension	**2033**	3238	2636	117	93	---	---	93	33	3.7	52.7	39.6
Dynastie	**1993**	---	---	115	95	---	---	95	32	3.3	53.7	38.0
Flash	1804	3260	2532	104	93	---	---	97	34	3.0	50.7	37.8
Hornet	**1938**	---	---	112	95	---	---	92	36	3.7	51.7	37.9
Safran	**2256**	3635	2946	130	93	---	---	97	34	3.7	52.3	38.3
Sitro	**2141**	3544	2843	123	95	---	---	93	33	3.7	50.0	38.0
Visby	**1952**	---	---	113	95	---	---	95	32	3.7	51.7	37.1
High Plains Crop Development												
Claremore CL	1784	---	---	103	95	---	---	100	34	3.7	53.0	39.6
HPX-7228	1871	---	---	108	95	---	---	94	33	4.0	53.0	36.0
HPX-7341	1851	---	---	107	95	---	---	96	33	3.0	53.3	38.0
Kansas State University												
Kiowa	1803	3338	2571	104	95	---	---	96	34	3.3	54.0	36.5
KS4083	**1966**	---	---	113	95	---	---	95	36	4.0	52.7	38.8
KS4426	**2418**	---	---	139	95	---	---	98	32	4.0	52.7	37.1
KS4428	**2074**	---	---	120	95	---	---	95	34	4.0	51.7	37.5
Riley	**2229**	---	---	129	90	---	---	94	33	4.0	52.7	38.5
Sumner	**2040**	3657	2849	118	93	---	---	95	32	4.0	52.3	37.6
Wichita	1743	3487	2615	100	95	---	---	95	30	3.7	53.7	36.7
MOMONT												
Chrome	**2094**	---	---	121	93	---	---	96	32	4.0	50.3	36.4
Hybrilux	**1979**	---	---	114	93	---	---	95	33	3.7	52.0	37.4
Hybristar	1790	3427	2609	103	93	---	---	95	31	3.7	50.0	37.1
Hybrisurf	1844	3162	2503	106	95	---	---	95	30	4.0	52.0	39.0
Kadore	**2283**	3799	3041	132	95	---	---	100	30	3.7	52.3	38.3
MH06E10	**1959**	---	---	113	93	---	---	95	34	4.0	52.3	35.2
MH06E11	**2317**	---	---	134	93	---	---	94	31	4.0	53.0	39.1
MH06E4	**2303**	---	---	71	95	---	---	94	34	3.3	51.7	36.7

Table 18. Results for the 2011 National Winter Canola Variety Trial at Clovis, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	608	3582	2095	35	95	---	---	88	27	4.0	48.3	35.8
DKW44-10	1432	---	---	83	95	---	---	93	30	3.7	50.3	34.2
DKW46-15	1878	3525	2701	108	93	---	---	93	32	4.0	51.0	38.1
DKW47-15	1310	3260	2285	76	95	---	---	95	33	4.0	51.7	36.1
Technology Crops International												
Rossini	1466	---	---	85	92	---	---	91	32	3.7	49.7	37.0
University of Idaho												
Amanda	**2162**	---	---	125	95	---	---	98	35	3.7	54.0	38.2
Athena	1743	---	---	100	95	---	---	96	32	4.0	52.3	39.1
Durola	**2236**	---	---	129	96	---	---	98	34	3.7	51.7	**43.6**
Virginia State University												
Virginia	1499	---	---	86	92	---	---	94	30	4.0	49.7	37.2
VSX-3	1256	---	---	72	93	---	---	96	30	4.0	49.7	35.9
Mean	1759	3463	---	---	94	---	---	94	32	3.8	51.0	37.4
CV	18	10	---	---	2	---	---	1	6	9.8	4.3	3.6
LSD (0.05)	525	NS	---	---	NS	---	---	2	3	0.6	3.6	2.7

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Farmington, New Mexico

Curtis Owen and Mick O'Neill
New Mexico State University

Planted: 9/7/2010 at 5 lb/a in 10-in. rows
Harvested: 6/21/2011
Herbicides: None
Insecticides: None
Irrigation: 28 in.
Previous Crop: Fallow
Soil Test: NA
Fertilizer: 165-0-0 lb N-P-K fertilizer in fall
Soil Type: Doak sandy loam
Elevation: 5640 ft Latitude: 36° 108'N
Comments: Winter canola yields are typically very high near Farmington, NM.

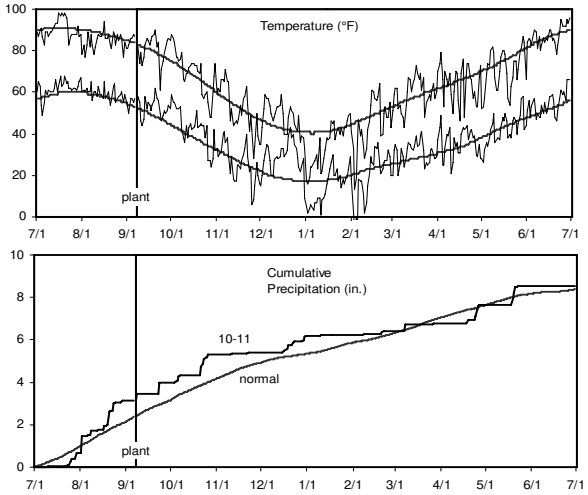


Table 19. Results for the 2011 National Winter Canola Variety Trial at Farmington, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50 % Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	1876	3157	2517	75	---	---	---	121	41	7.9	43.8	35.3
AAMU-6-07	2116	---	---	84	---	---	---	113	43	6.9	47.0	36.5
AAMU-62-07	1437	---	---	57	---	---	---	124	41	7.1	44.2	35.6
AAMU-64-07	1830	---	---	73	---	---	---	123	42	7.9	44.2	35.8
Croplan Genetics												
HyClass110W	2236	2253	2245	89	---	---	---	131	41	6.7	47.3	36.3
HyClass115W	1771	2452	2112	70	---	---	---	127	42	7.0	47.2	36.2
HyClass125W	2324	---	---	92	---	---	---	121	43	6.9	47.8	36.9
HyClass154W	2238	2581	2410	89	---	---	---	124	43	7.3	48.3	36.8
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**2783**	2493	2638	111	---	---	---	127	42	6.9	48.0	36.9
Dimension	2433	2800	2616	97	---	---	---	125	43	7.8	47.2	**37.3**
Dynastie	**2908**	3430	3169	116	---	---	---	123	43	6.0	48.2	**37.9**
Flash	**3382**	3191	3286	134	---	---	---	124	47	6.6	47.2	36.9
Hornet	**3047**	---	---	121	---	---	---	119	45	6.1	48.4	**37.9**
Safran	**3437**	**4118**	3778	137	---	---	---	123	43	6.2	48.7	**38.0**
Sitro	**3107**	**4459**	3783	123	---	---	---	118	46	6.2	44.8	36.8
Visby	**2839**	**3439**	3139	113	---	---	---	115	43	6.1	46.5	37.1
High Plains Crop Development												
Claremore CL	2566	3055	2811	102	---	---	---	129	45	6.2	47.3	35.7
HPX-7228	2650	2574	2612	105	---	---	---	121	44	6.6	47.5	37.1
HPX-7341	**2846**	2937	2892	113	---	---	---	119	43	5.9	48.1	36.6
Kansas State University												
Kiowa	**2763**	2764	2763	110	---	---	---	125	45	8.1	47.4	36.5
KS4083	**2733**	---	---	109	---	---	---	129	46	5.9	48.0	**38.0**
KS4426	2271	3119	2695	90	---	---	---	126	40	7.2	47.6	37.0
KS4428	2612	---	---	104	---	---	---	124	43	6.7	47.6	36.7
Riley	2281	**3570**	2926	91	---	---	---	124	43	6.1	47.6	37.2
Sumner	2131	2469	2300	85	---	---	---	117	43	5.6	46.0	**37.8**
Wichita	2431	2541	2486	97	---	---	---	129	43	5.8	45.4	35.9
MOMONT												
Chrome	**2669**	3421	3045	106	---	---	---	126	44	6.6	47.1	36.7
Hybrilux	2397	---	---	95	---	---	---	130	43	7.1	47.6	**38.3**
Hybristar	**2866**	3105	2986	114	---	---	---	127	44	6.8	47.4	**37.5**
Hybrisurf	**2751**	3862	3306	109	---	---	---	127	42	7.0	47.6	**37.9**
Kadore	**2688**	3181	2935	107	---	---	---	127	40	6.3	48.1	36.6
MH06E10	**2744**	3429	3087	109	---	---	---	126	37	6.4	47.1	35.9
MH06E11	**3051**	3028	3040	121	---	---	---	126	48	6.0	45.5	**37.3**
MH06E4	2228	2827	2528	89	---	---	---	124	43	7.5	47.2	36.5

Table 19. Results for the 2011 National Winter Canola Variety Trial at Farmington, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50 % Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	1796	1935	1866	71	---	---	---	128	37	7.3	46.9	36.1
DKW44-10	2265	---	---	90	---	---	---	128	42	6.2	46.9	35.6
DKW46-15	2140	2351	2245	85	---	---	---	128	41	6.0	43.2	**38.4**
DKW47-15	2418	2868	2643	96	---	---	---	126	43	6.9	45.3	36.8
Technology Crops International												
Rossini	**2742**	---	---	109	---	---	---	115	45	6.6	47.2	**37.7**
University of Idaho												
Amanda	2304	---	---	92	---	---	---	124	43	6.5	48.0	**38.4**
Athena	2406	---	---	96	---	---	---	129	43	6.2	47.7	**37.7**
Durola	2573	---	---	102	---	---	---	122	44	5.9	47.5	**39.1**
Virginia State University												
Virginia	**2685**	3408	3047	107	---	---	---	123	43	7.0	47.8	36.9
VSX-3	**2974**	---	---	118	---	---	---	125	43	7.0	47.7	36.3
Mean	2517	2989	---	---	---	---	---	124	43	6.7	47.0	36.9
CV	19	19	---	---	---	---	---		6	13.1	4.5	2.4
LSD (0.05)	770	936	---	---	---	---	---		4	NS	NS	1.8

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Goodwell, Oklahoma

Rick Kochenower
Oklahoma State University

Planted: 9/17/2010
Harvested: 6/27/2011
Herbicides: None
Insecticides: None
Irrigation: 12 in.
Previous Crop: Fallow
Soil Test: NA
Fertilizer: 180-40-0 lb N-P-K fertilizer in spring
Soil Type: Richfield clay loam
Elevation: 3239 ft Latitude: 36° 36'N
Comments: Some freeze damage to plots at flowering.

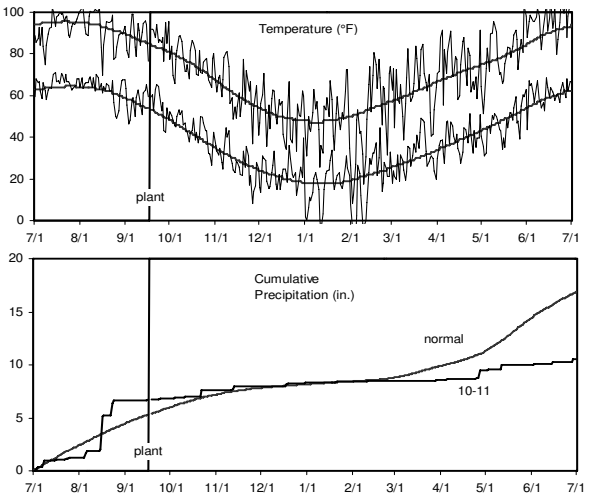


Table 20. Results for the 2011 National Winter Canola Variety Trial at Goodwell, OK

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-33-07	1163	---	---	69	---	---	---	33	5.0	45.4	---	31.8
AAMU-6-07	1433	---	---	85	---	---	---	39	4.7	39.9	---	33.4
AAMU-62-07	1000	---	---	59	---	---	---	32	4.8	40.5	---	33.2
AAMU-64-07	1326	---	---	78	---	---	---	33	4.9	42.0	---	35.2
Croplan Genetics												
HyClass110W	1263	---	---	75	---	---	---	32	5.3	44.2	---	32.7
HyClass115W	1482	---	---	88	---	---	---	34	5.0	43.1	---	33.7
HyClass125W	1726	---	---	102	---	---	---	32	5.0	44.1	---	34.0
HyClass154W	1388	---	---	82	---	---	---	39	5.5	45.8	---	32.4
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1676	---	---	99	---	---	---	37	5.5	47.7	---	33.3
Dimension	1604	---	---	95	---	---	---	36	5.6	47.6	---	34.7
Dynastie	1905	---	---	113	---	---	---	37	5.3	46.1	---	33.3
Flash	1561	---	---	92	---	---	---	40	5.9	44.4	---	34.3
Hornet	1802	---	---	107	---	---	---	39	5.1	46.2	---	33.9
Safran	**2084**	---	---	123	---	---	---	39	5.2	45.4	---	33.0
Sitro	1734	---	---	103	---	---	---	35	5.3	45.0	---	35.0
Visby	**2018**	---	---	119	---	---	---	37	5.2	47.7	---	34.5
High Plains Crop Development												
Claremore CL	1516	---	---	90	---	---	---	39	5.1	46.2	---	32.6
HPX-7228	1864	---	---	110	---	---	---	35	5.0	45.9	---	34.5
HPX-7341	1760	---	---	104	---	---	---	38	5.3	46.6	---	33.4
Kansas State University												
Kiowa	1764	---	---	104	---	---	---	40	5.2	45.8	---	33.3
KS4083	1548	---	---	92	---	---	---	38	5.4	46.9	---	32.7
KS4426	**2223**	---	---	132	---	---	---	40	5.5	46.9	---	34.8
KS4428	1667	---	---	99	---	---	---	36	5.2	47.8	---	33.2
Riley	**1979**	---	---	117	---	---	---	38	5.2	47.1	---	35.1
Sumner	1735	---	---	103	---	---	---	37	5.4	45.9	---	33.8
Wichita	1798	---	---	106	---	---	---	36	5.1	46.8	---	34.3
MOMONT												
Chrome	**1944**	---	---	115	---	---	---	39	5.2	46.6	---	34.2
Hybrilux	1398	---	---	83	---	---	---	38	5.1	42.7	---	33.3
Hybristar	1246	---	---	74	---	---	---	30	5.3	41.5	---	33.1
Hybrisurf	1745	---	---	103	---	---	---	40	5.2	42.9	---	31.4
Kadore	**2506**	---	---	148	---	---	---	37	5.3	45.8	---	34.5
MH06E10	1397	---	---	83	---	---	---	37	5.7	46.0	---	32.2
MH06E11	1586	---	---	94	---	---	---	37	5.0	43.3	---	33.2
MH06E4	1510	---	---	89	---	---	---	37	5.5	44.4	---	34.3

Table 20. Results for the 2011 National Winter Canola Variety Trial at Goodwell, OK

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Monsanto / DEKALB												
DKW41-10	1207	---	---	71	---	---	---	28	4.9	41.9	---	32.7
DKW44-10	**2222**	---	---	131	---	---	---	32	5.2	47.2	---	34.6
DKW46-15	1793	---	---	106	---	---	---	36	4.7	43.9	---	33.1
DKW47-15	1247	---	---	74	---	---	---	35	4.9	41.6	---	32.9
Technology Crops International												
Rossini	1482	---	---	88	---	---	---	34	5.1	47.3	---	34.0
University of Idaho												
Amanda	**2091**	---	---	124	---	---	---	39	5.4	50.7	---	34.8
Athena	1860	---	---	110	---	---	---	36	5.0	45.6	---	34.3
Durola	**2052**	---	---	121	---	---	---	38	5.3	46.6	---	37.3
Virginia State University												
Virginia	**2030**	---	---	120	---	---	---	38	5.4	47.8	---	36.6
VSX-3	**2033**	---	---	120	---	---	---	36	5.2	46.8	---	34.8
Mean	1690	---	---	---	---	---	---	36	5.2	45.5	---	33.8
CV	21	---	---	---	---	---	---	6	6.3	5.8	---	3.7
LSD (0.05)	579	---	---	---	---	---	---	4	NS	0.0	---	NS

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Etter, Texas

Calvin Trostle and Sean Wallace
Texas A&M University

Planted: 9/21/2010 at 5 lb/a in 10-in. rows
Harvested: 6/9/2011
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: 19 in.
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 55-0-0-23 lb N-P-K-S fertilizer in fall
30-0-0 lb N-P-K fertilizer in spring
Soil Type: Sherm clay loam
Elevation: 3450 ft Latitude: 35° 59'N
Comments: Location experienced minimal rainfall, making irrigation all the more important. Trial was damaged by temperatures at or below 0ºF.

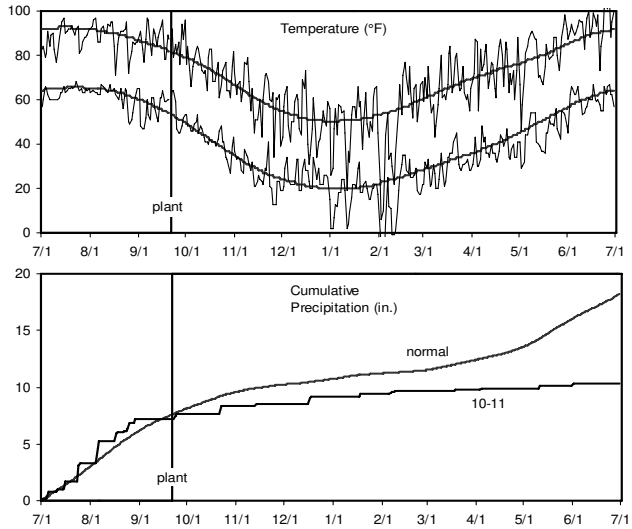


Table 21. Results for the 2011 National Winter Canola Variety Trial at Etter, TX

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Fall Stand	Fall Vigor	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(0-5)	(0-5)	(lb/bu)	(%)
Croplan Genetics											
HyClass 110W	1068	---	---	75	---	---	---	2.9	2.6	49	35.5
HyClass 115W	840	---	---	59	---	---	---	2.8	2.3	47	38.2
HyClass 125W	980	---	---	69	---	---	---	2.8	2.7	48	38.7
HyClass 154W	1310	---	---	92	---	---	---	2.8	2.8	47	36.5
DL Seeds Inc. / Rubisco Seeds LLC											
Baldur	**1454**	---	---	102	---	---	---	2.5	2.8	45	36.7
Safran	**1552**	---	---	109	---	---	---	2.3	2.8	49	36.8
Sitro	1225	---	---	86	---	---	---	2.9	2.6	48	39.1
Kansas State University											
Riley	1352	---	---	95	---	---	---	2.8	2.3	46	38.5
Sumner	**1366**	---	---	96	---	---	---	2.0	2.6	49	38.5
Wichita	924	---	---	65	---	---	---	2.5	2.6	47	36.6
MOMONT											
Hybristar	**1676**	---	---	118	---	---	---	2.9	3.0	46	38.6
Kadore	1254	---	---	88	---	---	---	3.0	2.8	47	37.9
Monsanto / DEKALB											
DKW 41-10	1141	---	---	80	---	---	---	2.8	2.3	47	36.8
DKW 44-10	1063	---	---	75	---	---	---	3.0	2.4	47	36.9
DKW 45-10	1324	---	---	93	---	---	---	2.9	2.3	46	---
DKW 46-15	1228	---	---	86	---	---	---	2.8	2.6	46	38.4
DKW 47-15	996	---	---	70	---	---	---	2.6	2.5	46	36.1
Technology Crops International											
Rossini	**1425**	---	---	100	---	---	---	2.8	3.5	49	39.4
Mean	1232	---	---	---	---	---	---	2.7	2.6	47	37.6
CV	24	---	---	---	---	---	---	---	---	14	4.0
LSD (0.05)	317	---	---	---	---	---	---	---	---	NS	NS

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

Lubbock, Texas

Calvin Trostle and Sean Wallace
Texas A&M University

Planted: 9/22/2010 at 5.4 lb/a in 10-in. rows
Harvested: 5/27/2011 and 6/3/2011
Herbicides: 1.5 pt/a Treflan
Insecticides: 3.6 oz/a Warrior T
Irrigation: 16 in.
Previous Crop: Corn
Soil Test: NA
Fertilizer: 55-0-0-23 lb N-P-K-S fertilizer in fall
30-0-0 lb N-P-K fertilizer in spring
Soil Type: Amarillo fine sandy loam
Elevation: 3240 ft Latitude: 33° 41'N
Comments: Location experienced minimal rainfall, making irrigation all the more important. Visually, the trial was still better overall than previous yield trials.

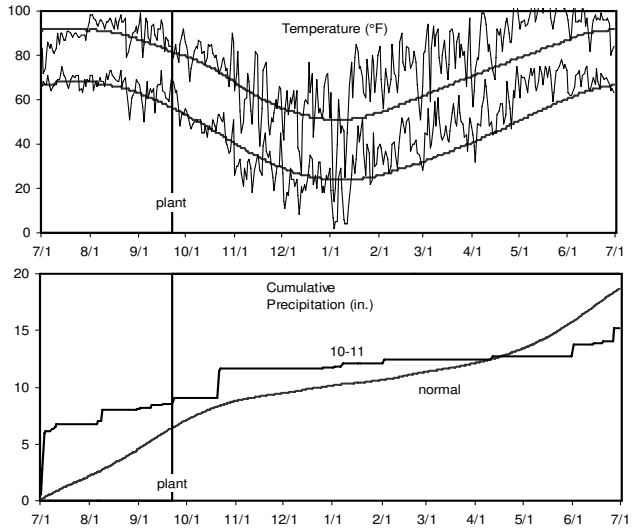


Table 22. Results for the 2011 National Winter Canola Variety Trial at Lubbock, TX

Name	Yield (lb/a)			Yield (% of test avg.)	Fall Stand	Fall Vigor	Bloom[1]	Maturity[2]	Plant Height	Test Weight	Oil
	2011	2010	2-Yr.	2011	(0-5)	(0-5)	(%)	(0-5)	(in.)	(lb/bu)	(%)
Croplan Genetics											
HyClass110W	1498	---	---	99	3.4	3.0	65	4.0	42	49	37.6
HyClass115W	1254	---	---	83	2.5	2.6	16	4.1	43	47	37.8
HyClass125W	1369	---	---	91	3.4	3.1	18	4.0	43	47	39.0
HyClass154W	1348	---	---	89	2.9	3.3	4	2.5	47	49	37.2
DL Seeds Inc. / Rubisco Seeds LLC											
Baldur	**1733**	---	---	115	2.9	3.1	9	3.6	44	51	38.3
Safran	**1966**	---	---	130	2.9	3.1	7	2.8	47	50	38.0
Sitro	1709	---	---	113	3.3	3.4	12	3.1	47	50	38.5
Kansas State University											
Riley	1578	---	---	104	3.4	3.0	8	3.1	44	49	38.5
Sumner	1416	---	---	94	2.6	3.0	10	3.4	47	50	38.4
Wichita	1525	---	---	101	3.0	3.0	6	3.5	44	50	38.4
MOMONT											
Hybristar	**1872**	---	---	124	2.9	3.0	15	3.0	44	50	38.8
Kadore	**1871**	---	---	124	3.1	3.3	13	2.8	49	49	38.5
Monsanto / DEKALB											
DKW41-10	1115	---	---	74	3.0	3.0	80	4.4	37	49	37.4
DKW44-10	1277	---	---	84	3.0	2.9	14	4.0	41	48	37.8
DKW45-10	1270	---	---	84	3.0	2.9	51	3.3	4	49	---
DKW46-15	1354	---	---	90	3.1	3.0	8	4.8	43	49	38.8
DKW47-15	**1258**	---	---	83	3.0	3.0	6	4.0	46	48	37.9
Technology Crops International											
Rossini	1807	---	---	120	2.8	4.0	46	4.6	48	51	**40.3**
Mean	1512	---	---	---	3.0	3.1	21	3.6	4	49	38.3
CV	20	---	---	---	---	---	---	---	9	4	1.3
LSD (0.05)	239	---	---	---	---	---	---	---	4	2	1.1

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Percentage of current flowers on plant that appear to be flowering on 3/22/2011.

[2]Maturity rating: 0, plants very green; 1, modest green; 2, light green; 3, mix of light green & tan; 4 moderately dry (some tan); 5 dry (all tan).

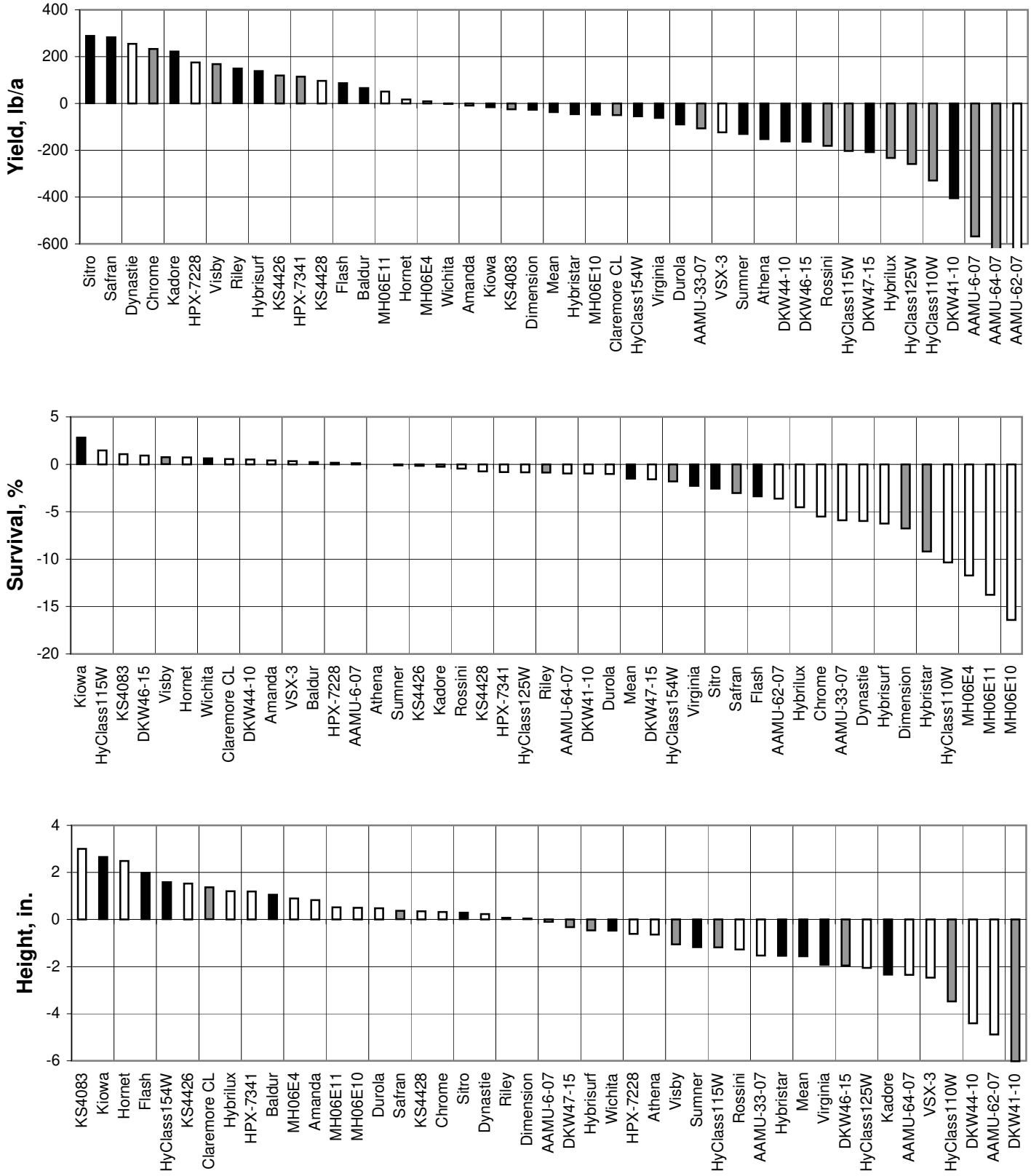
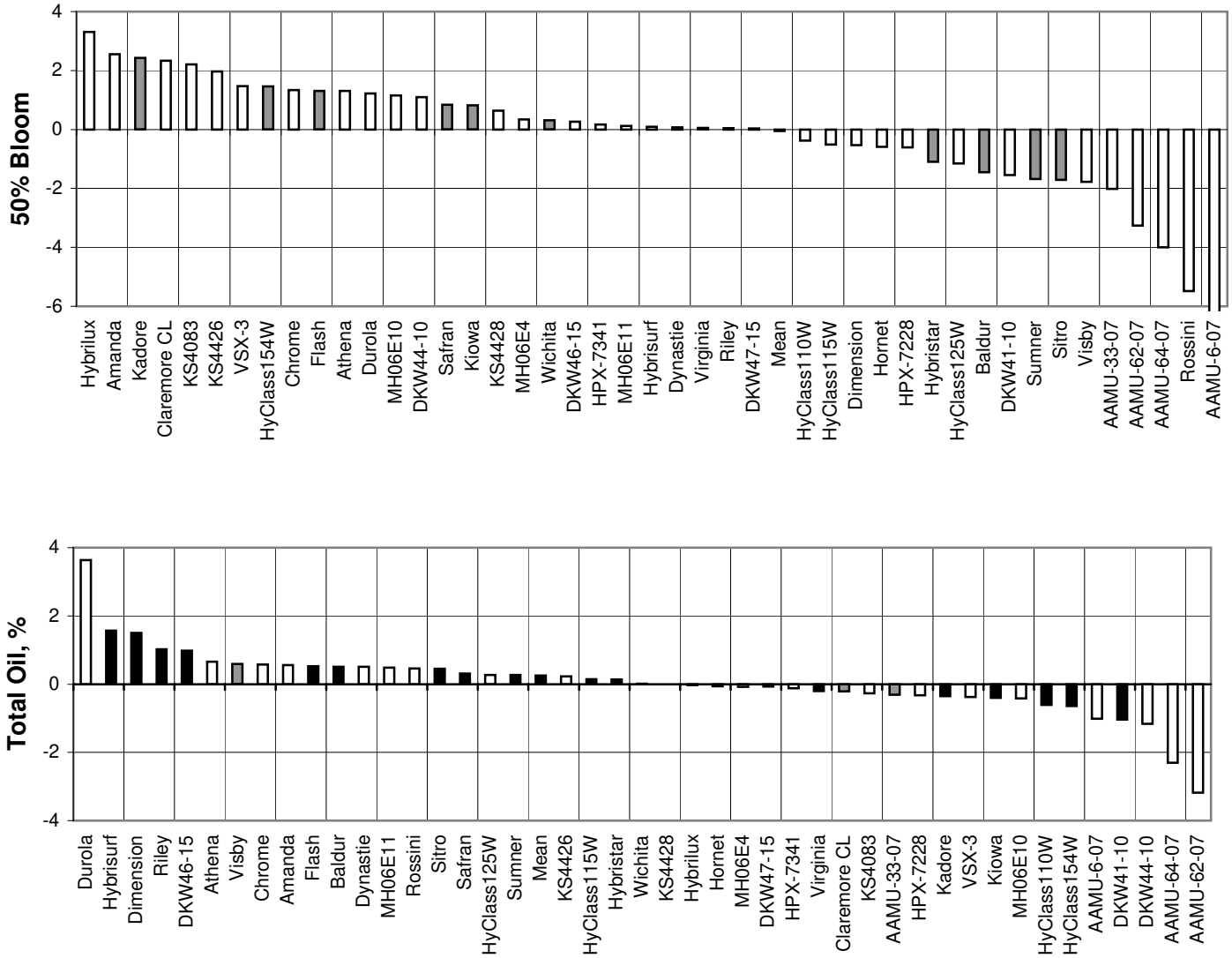


Figure 3. Great Plains Winter Canola Summary, 2006-2011.



Note: Values are 6-year moving averages of the differences between each cultivar and the mean of Baldur, Sumner, and Wichita for yield (lb/a), winter survival (%), plant height (in.), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (shown at right).

Figure 3. Great Plains Winter Canola Summary, 2006-2011 (continued).

Bozeman, Montana

Perry Miller
Montana State University

Planted: 9/18/2010 at 5 lb/a in 9-in. rows
Harvested: 8/9 - 8/18/2011
Herbicides: 16 oz/a Roundup PowerMax
Insecticides: 3 oz/a Warrior
Irrigation: 3 in.
Previous Crop: Winter lentil
Fertilizer: 121-0-0 lb N-P-K fertilizer in fall
Soil Type: Amsterdam silt loam
Elevation: 4775 ft Latitude: 45° 40'N
Comments: Excellent yields despite a cool, wet spring and losses from hail and purple finches.

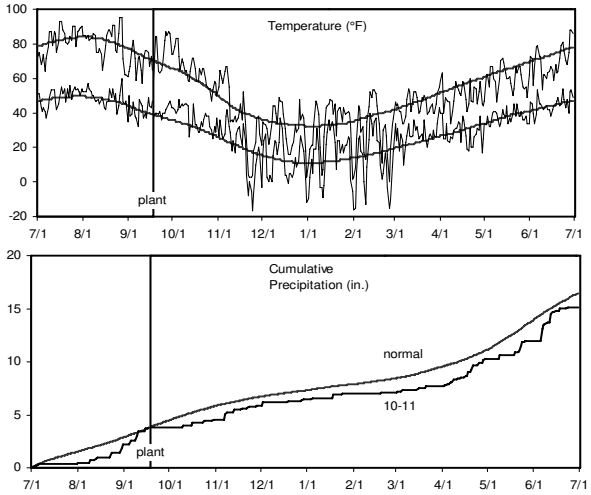


Table 23. Results for the 2011 National Winter Canola Variety Trial at Bozeman, MT

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Maturity	Moisture	Protein	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(DOY)	(%)	(%)	(%)
Croplan Genetics												
HyClass110W	2565	---	---	82	---	---	---	156	217	5.5	---	---
HyClass115W	**3414**	---	---	110	---	---	---	156	217	5.5	---	---
HyClass125W	3226	---	---	104	---	---	---	155	216	5.5	---	---
HyClass154W	2818	---	---	91	---	---	---	155	221	5.6	---	---
Monsanto / DEKALB												
DKW41-10	2813	---	---	90	---	---	---	153	211	5.4	---	---
DKW44-10	**3643**	---	---	117	---	---	---	156	216	5.6	---	---
DKW46-15	3107	---	---	100	---	---	---	155	213	5.4	---	---
DKW47-15	**3299**	---	---	106	---	---	---	155	216	5.5	---	---
Mean	3110	---	---	---	---	---	---	155	216	5.5	---	---
CV	8	---	---	---	---	---	---	1	1	1.3	---	---
LSD (0.05)	377	---	---	---	---	---	---	1	2	0.1	---	---

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Kalispell, Montana

Heather Mason
Montana State University

Planted: 8/23/2010 at 5 lb/a
Harvested: 8/17/2011
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Alfalfa
Soil Test: 82-6-71-34 ppm N-P-K-S
Fertilizer: 44-37-40 lb N-P-K fertilizer in fall
Soil Type: Fine loam
Elevation: 2970 ft Latitude: 48° 19'N
Comments: Excellent winter survival was recorded. Location averaged 15% lodging and 8% shatter loss.

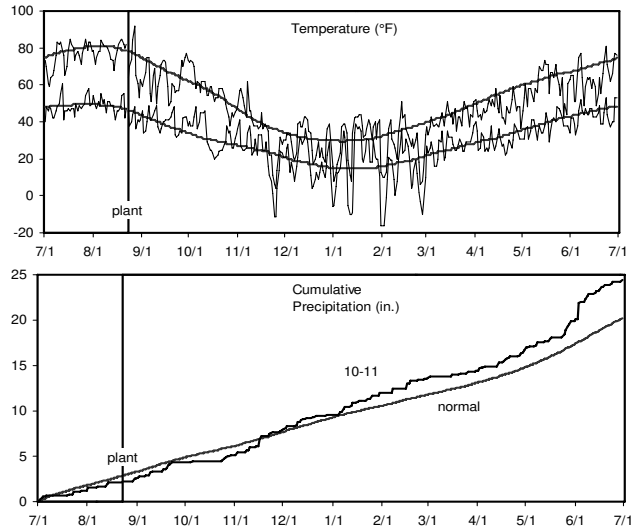


Table 24. Results for the 2011 National Winter Canola Variety Trial at Kalispell, MT

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			50% Bloom	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(DOY)	(in.)	(%)	(lb/bu)	(%)
Croplan Genetics												
HyClass154W	**4328**	---	---	115	100	---	---	137	67	7.4	51.5	40.2
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	**4557**	---	---	121	98	---	---	134	65	7.4	51.5	41.7
Dimension	**4368**	---	---	116	92	---	---	136	73	8.2	49.6	**44.5**
Dynastie	3871	---	---	103	93	---	---	134	72	7.3	51.6	42.7
Flash	3537	---	---	94	90	---	---	141	70	9.9	47.8	40.8
Hornet	3888	---	---	103	93	---	---	137	69	6.8	52.4	41.5
Safran	**4275**	---	---	113	97	---	---	137	68	8.0	50.8	41.7
Sitro	3720	---	---	99	95	---	---	133	67	7.3	52.0	41.3
Visby	**4774**	---	---	127	95	---	---	133	72	6.8	51.2	41.7
High Plains Crop Development												
Claremore CL	**4300**	---	---	114	95	---	---	141	72	6.8	51.1	40.5
HPX-7228	3436	---	---	91	97	---	---	134	68	6.7	52.0	38.1
HPX-7341	3213	---	---	85	93	---	---	137	72	6.6	52.6	39.5
Kansas State University												
Riley	3071	---	---	81	90	---	---	134	70	6.1	51.6	40.9
Wichita	3849	---	---	102	93	---	---	134	66	6.3	51.2	42.0
Monsanto / DEKALB												
DKW41-10	2292	---	---	61	85	---	---	133	63	6.7	52.3	36.7
DKW44-10	3687	---	---	98	90	---	---	141	64	7.4	50.6	38.4
DKW46-15	2917	---	---	77	98	---	---	139	65	6.0	51.9	40.7
DKW47-15	3462	---	---	92	93	---	---	134	66	6.4	51.4	41.5
University of Idaho												
Amanda	3767	---	---	100	98	---	---	142	63	7.2	52.5	41.4
Athena	3838	---	---	102	100	---	---	134	68	7.5	51.2	41.3
Durola	**4078**	---	---	108	100	---	---	133	67	7.9	50.4	**45.8**
Mean	3773	---	---	---	95	---	---	136	68	7.2	51.3	41.1
CV	14	---	---	---	8	---	---	1	5	9.1	2.2	3.2
LSD (0.05)	877	---	---	---	13	---	---	4	6	1.1	2.0	2.7

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Alburgh, Vermont

Heather Darby
University of Vermont

Planted: 9/1/2010 at 5 lb/a in 6-in. rows
Harvested: 7/19/2011
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Small grain forages
Soil Test: NA
Soil Type: Rocky silt loam
Elevation: 132 ft Latitude: 45° 0'N
Comments: Excellent growing conditions.

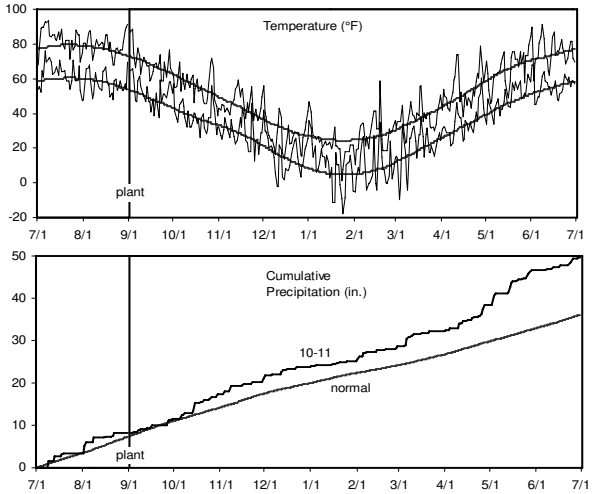


Table 25. Results for the 2011 National Winter Canola Variety Trial at Alburgh, VT

Name	Yield (lb/a)[1]			Yield (% of test avg.)	Winter Survival (%)			Bloom[2]	Plant Height	Moisture	Test Weight	Oil
	2011	2010	2-Yr.	2011	2011	2010	2-Yr.	(%)	(in.)	(%)	(lb/bu)	(%)
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	1680	3474	2577	103	77	---	---	100	---	7.9	52.3	44.3
Dimension	1915	---	---	118	83	---	---	80	---	11.9	50.7	45.3
Dynastie	1759	---	---	108	80	---	---	80	---	9.8	52.0	44.4
Flash	1503	---	---	92	80	---	---	85	---	11.7	50.7	43.6
Hornet	1704	---	---	105	73	---	---	85	---	11.3	51.0	43.7
Safran	1679	---	---	103	77	---	---	85	---	9.4	51.7	43.6
Sitro	1566	3522	2544	96	77	---	---	100	---	9.8	51.3	44.1
Visby	1395	2775	2085	86	77	---	---	83	---	9.7	51.2	43.6
Kansas State University												
Kiowa	1672	3057	2365	103	83	---	---	85	---	8.5	51.8	42.7
Riley	1756	4029	2892	108	80	---	---	90	---	9.7	51.5	43.3
Sumner	1581	2933	2257	97	67	---	---	90	---	7.0	52.5	43.2
Wichita	1382	3405	2394	85	70	---	---	90	---	6.5	51.0	42.9
Kadore	1453	3070	2262	89	73	---	---	75	---	7.5	53.0	43.1
Virginia State University												
Virginia	1680	3016	2348	103	77	---	---	92	---	8.0	52.0	42.8
VSX-3	1719	---	---	105	73	---	---	92	---	7.6	51.2	43.5
Mean	1630	3137	---	---	76	---	---	87	---	9.1	51.6	43.6
CV	21	---	---	---	10	---	---	15	---	13.1	1.4	1.5
LSD (0.05)	NS	NS	---	---	NS	---	---	NS	---	2.0	1.2	NS

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]Use yield data with caution. A CV above 20 indicates higher experimental error. Make variety selection decisions based on more than one year's data.

[2]Percentage of plants blooming on 5/20/2011.

Lingle, Wyoming

James Krall and Jerry Nachtman
University of Wyoming

Planted: 8/30/2010 at 5 lb/a
Harvested: 8/1/2011
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: Yes
Soil Test: NA
Fertilizer: 50-50-0-20 lb N-P-K-S fertilizer in fall
50-0-0 lb N-P-K fertilizer in spring
Soil Type: Harverson silt loam
Elevation: 4172 ft Latitude: 42° 07'N
Comments: Good winter survival and a cool, wet spring increased yield potential.

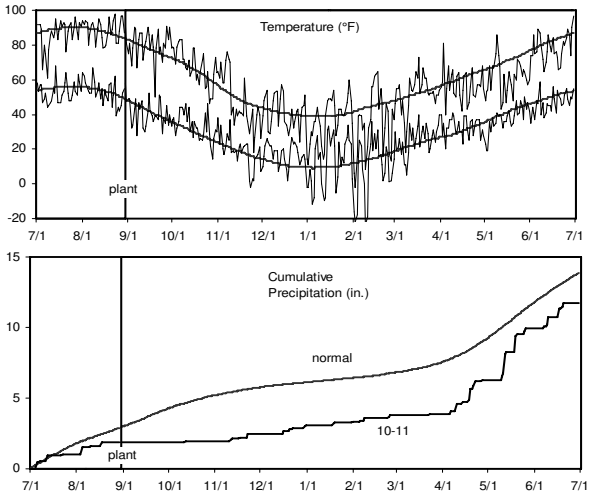


Table 26. Results for the 2011 National Winter Canola Variety Trial at Lingle, WY

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Vigor	50% Bloom	Plant Height	Test Weight	Oil
	2011	2009	2-Yr.	2011	2011	2009	2-Yr.	(1-5)	(DOY)	(in.)	(lb/bu)	(%)
Alabama A&M University												
AAMU-33-07	2770	2725	2747	88	85	90	88	4	130	52	47.5	38.3
AAMU-6-07	2802	---	---	89	83	---	---	4	130	57	49.3	40.2
AAMU-62-07	2062	---	---	66	82	---	---	4	131	51	46.2	37.8
AAMU-64-07	2611	---	---	83	77	---	---	4	133	51	47.9	38.7
Croplan Genetics												
HyClass110W	2711	---	---	86	90	---	---	3	129	53	46.7	38.4
HyClass115W	2893	---	---	92	95	---	---	4	131	52	46.7	39.6
HyClass125W	2909	---	---	93	95	---	---	4	132	56	48.2	39.5
HyClass154W	2947	2928	2938	94	95	90	93	4	132	60	47.8	37.3
DL Seeds Inc. / Rubisco Seeds LLC												
Baldur	3210	2742	2976	102	93	93	93	5	129	56	49.2	39.6
Dimension	2897	2551	2724	92	85	82	83	4	131	58	49.3	**41.3**
Dynastie	3201	---	---	102	90	---	---	4	134	57	47.9	37.7
Flash	**3294**	3018	3156	105	88	83	86	4	134	57	48.9	39.3
Hornet	**3960**	2975	3468	126	98	94	96	4	131	59	48.5	39.9
Safran	**3754**	**3231**	3493	120	92	87	89	4	132	56	46.5	39.0
Sitro	2531	2837	2684	81	90	82	86	4	131	55	44.9	38.9
Visby	3251	**3228**	3240	104	92	95	93	4	129	58	47.3	40.0
High Plains Crop Development												
Claremore CL	3188	2961	3075	102	95	95	95	4	136	56	48.3	39.1
HPX-7228	3181	---	---	101	88	---	---	4	132	55	47.5	38.3
HPX-7341	**3519**	---	---	112	98	---	---	4	131	57	48.0	39.1
Kansas State University												
Kiowa	3122	2831	2976	100	98	95	96	4	133	59	49.4	37.9
KS4083	**3350**	---	---	107	97	---	---	4	132	59	47.7	38.8
KS4426	**3730**	---	---	119	95	---	---	4	133	57	48.6	39.7
KS4428	**3464**	---	---	110	100	---	---	4	131	59	48.9	39.5
Riley	**3600**	**3275**	3438	115	98	93	95	4	131	57	48.8	**41.2**
Sumner	**3429**	2424	2926	109	99	95	97	3	129	53	49.5	39.3
Wichita	**3274**	2615	2944	104	97	95	96	4	132	59	49.1	39.9
MOMONT												
Chrome	**3529**	---	---	113	92	---	---	4	134	58	48.8	40.2
Hybrilux	**3728**	**3654**	3691	119	77	85	81	4	133	60	48.5	39.7
Hybristar	2967	2939	2953	95	90	82	86	4	131	53	47.4	39.8
Hybrisurf	3125	2610	2867	100	85	87	86	4	131	55	49.0	40.4
Kadore	2998	2913	2956	96	98	93	96	4	134	55	45.8	38.9
MH06E10	**3484**	---	---	111	82	---	---	4	133	56	48.3	39.7
MH06E11	**3307**	---	---	105	75	---	---	4	132	59	48.2	40.5
MH06E4	**3278**	---	---	105	85	---	---	4	132	57	48.4	40.5

Table 26. Results for the 2011 National Winter Canola Variety Trial at Lingle, WY

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Vigor	50% Bloom	Plant Height	Test Weight	Oil
	2011	2009	2-Yr.	2011	2011	2009	2-Yr.	(1-5)	(DOY)	(in.)	(lb/bu)	(%)
Monsanto / DEKALB												
DKW41-10	2333	---	---	74	98	---	---	4	128	46	47.7	36.9
DKW44-10	2529	---	---	81	99	---	---	3	132	50	47.7	36.7
DKW46-15	2858	---	---	91	97	---	---	4	131	55	49.8	40.7
DKW47-15	3141	---	---	100	96	---	---	3	132	57	48.4	39.2
Technology Crops International												
Rossini	3048	---	---	97	87	---	---	3	129	53	46.3	**41.8**
University of Idaho												
Amanda	2974	---	---	95	94	---	---	4	135	54	45.4	39.4
Athena	3245	---	---	103	88	---	---	5	131	54	49.9	39.1
Durola	3236	---	---	103	87	---	---	5	133	55	49.4	**43.1**
Virginia State University												
Virginia	3188	3070	3129	102	92	95	93	4	130	53	48.3	38.4
VSX-3	**3360**	---	---	107	93	---	---	4	129	55	48.5	37.6
Mean	3136	2897	---	---	91	91	---	4	132	56	48.0	39.3
CV	14	14	---	---	6	5	---	9	1	7	3.7	2.5
LSD (0.05)	696	675	---	---	8	7	---	1	2	6	NS	2.0

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

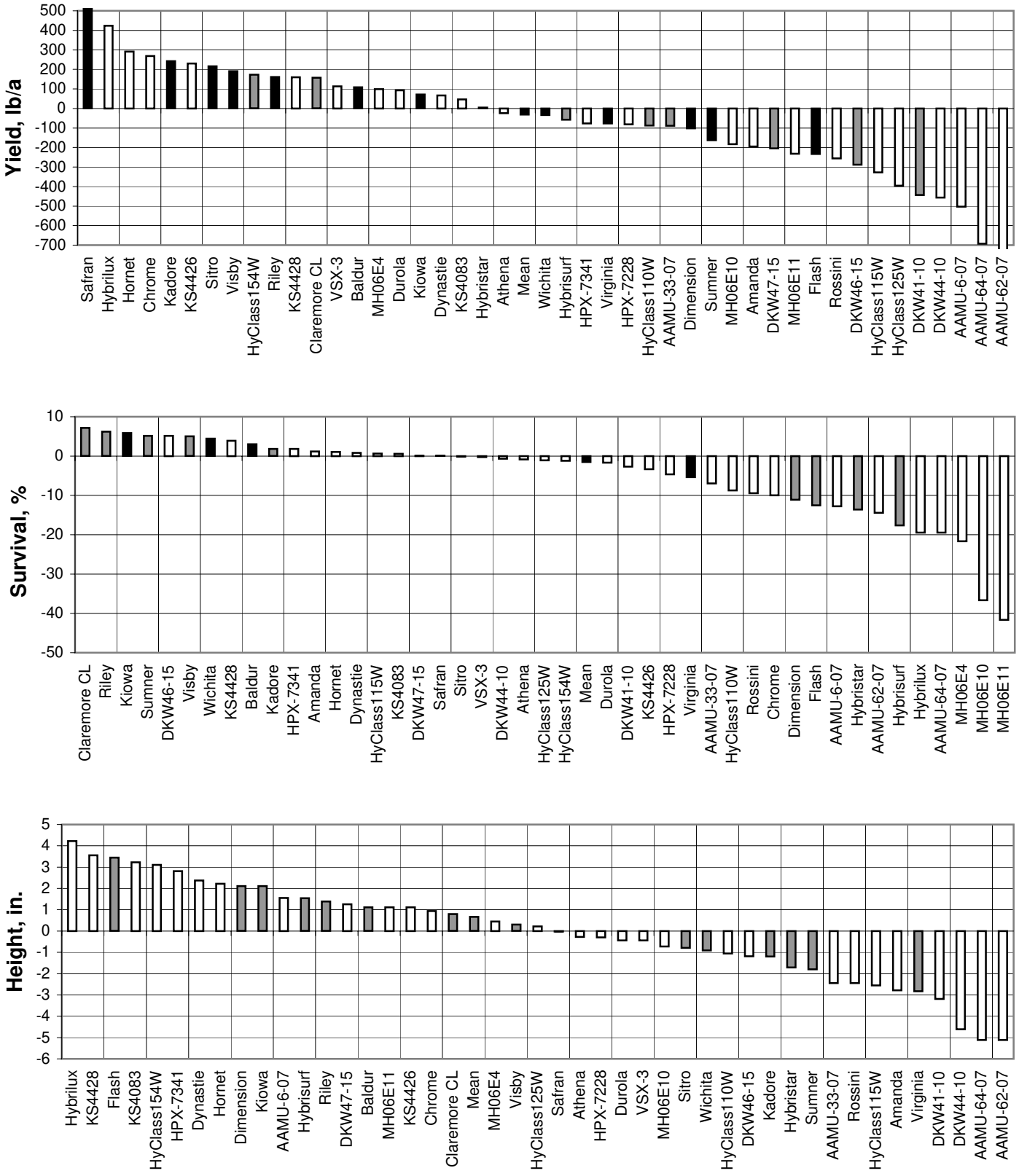
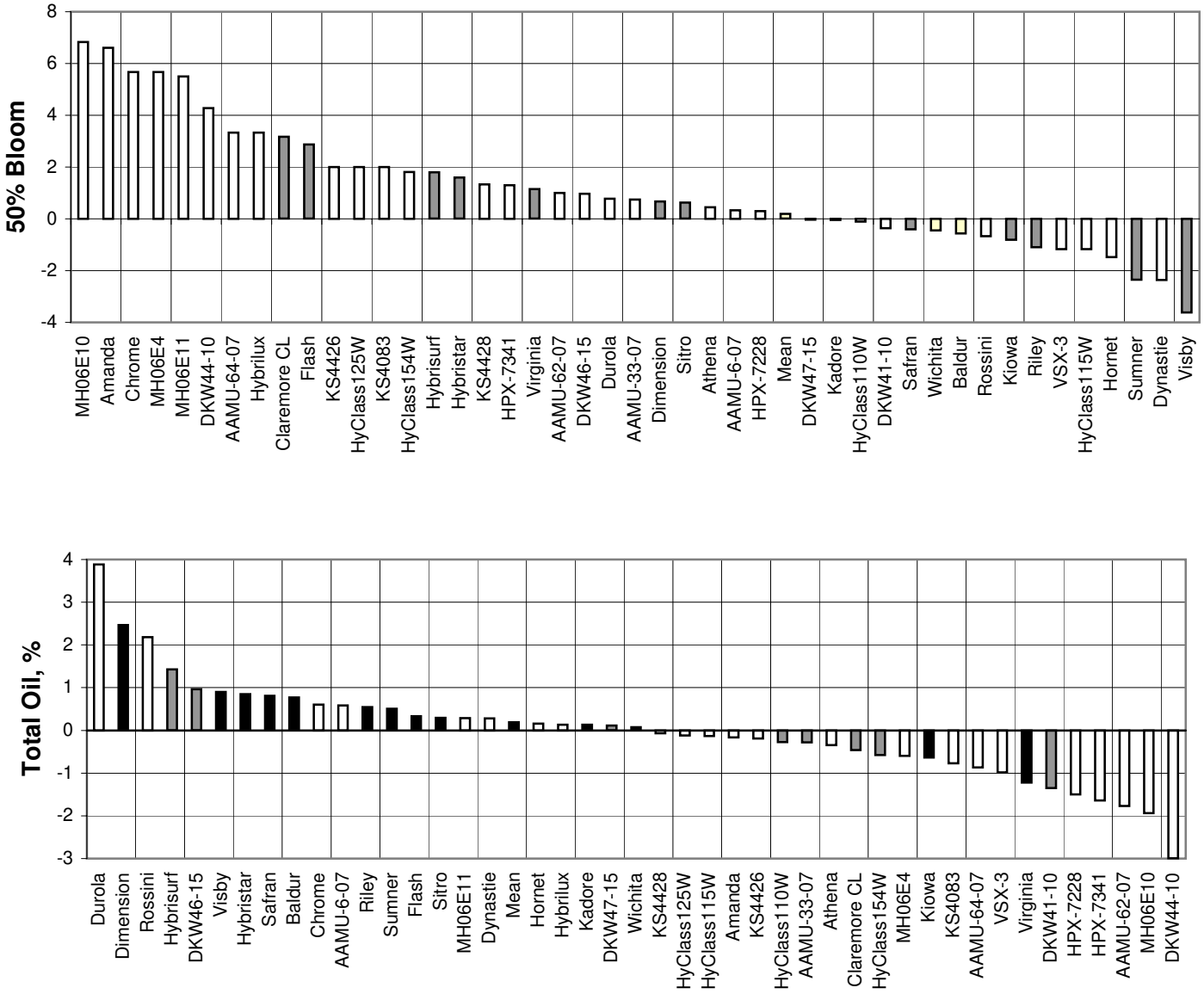


Figure 4. Northern Winter Canola Summary, 2006-2011.



Note: Values are 6-year moving averages of the differences between each cultivar and the mean of Baldur, Sumner, and Wichita for yield (lb/a), winter survival (%), plant height (in.), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (shown at right).

Figure 4. Northern Winter Canola Summary, 2006-2011 (continued).

Table 27. Field Ratings for Resistance to Phoma Blackleg National Winter Canola Variety Trial -- Plains, Georgia[1]

Name	Disease Severity Rating[2] 2011	2010
DL Seeds Inc. / Rubisco Seeds LLC		
Baldur	**0.0**	**0.3**
Dimension	**0.0**	**0.0**
Dynastie	**0.7**	**0.0**
Flash	**0.0**	**0.0**
Hornet	**0.0**	--
Safran	**0.0**	**0.0**
Sitro	**0.0**	**0.3**
Visby	**0.0**	**0.0**
MOMONT		
Hybristar	**1.0**	**0.0**
Hybrisurf	**0.0**	**0.0**
Hybrilux	**0.0**	**0.3**
Kadore	**0.0**	**0.0**
Chrome	**0.0**	**0.0**
MH06E10	**0.3**	**0.0**
MH06E11	**0.0**	**0.0**
MH06E4	**0.0**	**0.0**
Croplan Genetics		
HyClass 110W	**0.0**	**0.0**
HyClass 115W	**0.3**	**0.0**
HyClass 125W	**0.3**	--
HyClass 154W	**0.0**	**0.0**
Monsanto / DEKALB		
DKW41-10	**0.0**	**0.0**
DKW44-10	**0.7**	--
DKW46-15	**0.7**	**0.3**
DKW47-15	**0.3**	**0.0**
Virginia State University		
Virginia	**0.3**	**0.0**
VSX-3	**0.0**	--
University of Idaho		
Athena	**0.3**	--
Amanda	**0.0**	--
Durola	**0.0**	--
High Plains Crop Development		
Claremore CL	**0.0**	**0.0**
HPX-7228	**0.3**	**0.0**
HPX-7341	**0.3**	**0.0**

Name	Disease Severity Rating 2011	2010
Kansas State University		
KS4083	**0.0**	--
KS4426	**0.0**	**0.3**
KS4428	**0.7**	--
Kiowa	**0.0**	**0.0**
Riley	**0.0**	**0.0**
Sumner	**0.3**	**0.3**
Wichita	**0.0**	0.7
Technology Crops International		
Rossini	**0.0**	--
Alabama A&M University		
AAMU-6-07	1.3	--
AAMU-33-07	1.3	**0.0**
AAMU-62-07	1.3	--
AAMU-64-07	3.3	--
Check cultivars[3]		
Falcon	**0.0**	1.0
Oscar	3.7	**0.3**
Cyclone	4.3	7.0
Westar	6.3	6.0
Flint	1.7	0.3
Mean	0.6	0.4
LSD (0.05)	1.1	0.5

[1]Data collected by David Spradlin and James Buck, The University of Georgia, College of Agricultural and Environmental Sciences, The Georgia Agricultural Experiment Stations. Used with permission.

[2]This nursery was located in the proximity of fields infected with Phoma blackleg the previous season. Disease severity was further increased by spreading infected stubble over the nursery shortly after planting. The disease severity rating is based on a 0 (no disease) to 9 (all dead) scale.

[3] Includes both resistant and susceptible varieties.

Lake Carl Blackwell, Oklahoma

John Damicone and Mark Boyles
Oklahoma State University

Planted:	9/28/2010 at 5 lb/a in 15-in. rows
Inoculated:	10/18/2010
Harvested:	6/10/2011
Herbicides:	1 qt/a Treflan
Insecticides:	Warrior and ImiGold
Irrigation:	None
Previous Crop:	Wheat
Soil Test:	N/A
Fertilizer:	84-39-0-0 N-P-K-S fertilizer in the fall 46-0-0 N-P-K fertilizer in the spring
Soil Type:	Port silt loam
Comments:	Blackleg and winter decline syndrome were assessed on the stubble after harvest. Rainfall was 59% of normal.

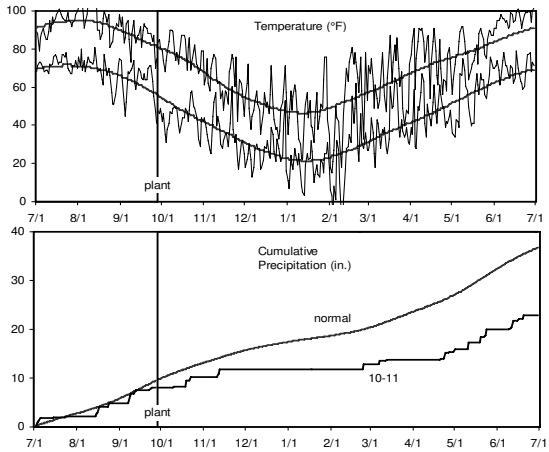


Table 28. Reaction of winter canola genotypes to Blackleg and Winter Decline Syndrome at Lake Carl Blackwell, OK

Name	Yield (lb/a)[1]	Winter Survival (%)	Fall Stand	Winter Decline Syndrome[2]		Blackleg	
	(2011)	(2011)	(0-10)	(4/28/2011)	(6/13/2011)	Incidence[3]	Severity[4]
Alabama A&M University							
AAMU-33-07	1165	93	9.3	35	**24**	90	3.0
AAMU-6-07	531	88	8.7	40	61	95	3.3
AAMU-62-07	266	77	7.7	47	**27**	85	2.9
AAMU-64-07	266	75	7.0	49	**40**	96	3.2
Croplan Genetics							
HyClass110W	1042	97	9.3	**17**	**39**	92	3.0
HyClass115W	1001	100	9.0	**2**	**7**	**59**	**1.6**
HyClass125W	1042	100	9.7	**3**	**33**	82	2.5
HyClass154W	1124	100	10.0	**8**	**23**	80	2.6
DL Seeds Inc. / Rubisco Seeds LLC							
Baldur	879	95	7.0	**8**	**15**	73	**1.9**
Dimension	1308	100	9.7	**12**	**27**	91	3.0
Dynastie	797	97	9.8	**16**	**41**	75	**2.1**
Flash	838	97	9.5	**18**	**24**	83	2.6
Hornet	981	83	9.0	**14**	**50**	94	3.0
Safran	981	98	8.8	**12**	**47**	73	**2.1**
Sitro	511	95	8.8	43	**20**	88	2.9
Visby	1287	100	9.7	**20**	**30**	85	**2.1**
High Plains Crop Development							
Claremore CL	981	100	10.0	**20**	**19**	81	2.3
HPX-7228	858	95	7.0	**27**	**17**	98	3.1
HPX-7341	1328	100	9.3	**2**	**15**	**64**	**1.8**
Kansas State University							
Kiowa	1001	98	8.8	**7**	**32**	71	**2.1**
KS4083	1001	100	9.8	**5**	**24**	78	2.3
KS4426	736	100	9.3	**2**	**10**	**66**	**1.6**
KS4428	1124	100	9.2	**5**	**23**	70	**1.9**
Riley	1369	100	9.7	**4**	**15**	78	**2.0**
Sumner	858	100	10.0	**26**	**29**	84	**2.1**
Wichita	1308	100	9.8	**11**	**35**	89	2.8
MOMONT							
Chrome	1328	100	8.5	**3**	**38**	92	2.7
Hybrilux	429	93	8.7	43	**23**	81	2.7
Hybristar	429	80	7.2	57	54	91	2.8
Hybrisurf	306	90	7.0	33	**39**	76	2.2
Kadore	1287	100	9.3	37	**17**	**45**	**1.1**
MH06E10	572	98	7.7	**28**	**50**	100	3.7
MH06E11	940	82	9.0	35	**32**	93	2.9
MH06E4	817	92	8.5	35	**51**	92	2.8
Monsanto / DEKALB							
DKW41-10	797	100	9.3	**0**	**10**	**61**	**1.6**
DKW44-10	1042	97	8.7	**12**	**22**	82	2.5
DKW46-15	1185	100	9.7	**2**	**20**	76	2.2
DKW47-15	899	98	8.8	**8**	**20**	82	2.5

Table 28. Reaction of winter canola genotypes to Blackleg and Winter Decline Syndrome at Lake Carl Blackwell, OK

Name	Yield (lb/a)[1]	Winter Survival (%)	Fall Stand	Winter Decline Syndrome[2]		Blackleg	
	(2011)	(2011)	(0-10)	(4/28/2011)	(6/13/2011)	Incidence[3]	Severity[4]
Technology Crops International							
Rossini	1124	100	9.7	**3**	**49**	76	2.3
TCI805	838	93	9.3	32	**27**	97	3.5
TCI806	593	97	9.3	32	**42**	90	2.9
University of Idaho							
Amanda	797	100	8.7	**13**	**36**	85	2.7
Athena	450	100	8.7	**13**	57	96	3.0
Durola	470	98	9.0	**20**	**37**	75	2.3
Virginia State University							
Virginia	552	95	7.8	**1**	61	90	2.9
VSX-3	981	95	8.3	**1**	**45**	77	2.5
CV	40	174	---	113	62	17	26.3
LSD	658	14	3.0	28	44	23	1.0

Bold: Superior LSD group. Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

[1]In addition to disease pressure, yields were negatively affected by severe drought conditions; therefore, use this data with discretion.

[2]Winter decline syndrome is rated as the percentage of plants showing disease symptoms.

[3]Incidence is rated as the percentage of diseased plants.

[4]Severity is rated as 0=no disease and 5=complete stem girdling.

Table 29. Seed sources for entries in the 2010-2011 National Winter Canola Variety Trial

Brand/Name	Type[1]	Trait[2]	Release Date	Sd Trt[3]
Kansas State University Canola Breeding Program				
Michael J. Stamm (mjstamm@ksu.edu)				
KS4083	OP	---	---	H
KS4426	OP	---	---	H
KS4428	OP	---	---	H
Kiowa	OP	---	2008	H
Sumner	OP	SU	2003	H
Riley	OP	---	2010	H
Wichita	OP	---	1999	H
DL Seeds Inc. (Brand)				
Kevin McCallum (kevin.mccallum@dlseeds.ca)				
Rubisco Seeds LLC (Marketer)				
Claire Caldbeck (info@rubiscoseeds.com)				
Baldur	Hyb	---	2004	H
Dimension	Hyb	---	2008	H
Dynastie	Hyb	---	2007	H
Flash	Hyb	---	2007	H
Hornet	Hyb	---	2008	H
Safran	Hyb	---	2008	H
Sitro	Hyb	---	2007	H
Visby	Hyb	---	2008	H
High Plains Crop Development				
Dr. Charlie Rife (charlie@highplainscd.com)				
Claremore CL	OP	IMI	2011	H
HPX-7228	OP	---	---	H
HPX-7341	OP	---	---	H
MOMONT, France				
Dr. Thierry Momont (tmomont@momont.com)				
Chrome	Hyb	---	2010	H
Hybrilux	Hyb	---	2009	H
Hybristar	Hyb	---	2006	H
Hybrisurf	Hyb	---	2008	H
Kadore	OP	---	2007	H
MH06E10	Hyb	---	---	H
MH06E11	Hyb	---	---	H
MH06E4	Hyb	---	---	H
Alabama A&M University				
Dr. Ernst Cebert (ernst.cebert@aamu.edu)				
AAMU-6-07	OP	---	---	H
AAMU-33-07	OP	---	---	H
AAMU-62-07	OP	---	---	H
AAMU-64-07	OP	---	---	H

Brand/Name	Type[1]	Trait[2]	Release Date	Sd Trt[3]
University of Idaho				
Jack Brown (jbrown@uidaho.edu)				
Amanda	OP	---	---	H
Athena[4]	OP	---	2000	H
Durola	OP	[5]HEAR	---	H
Croplan Genetics				
Mark Torno (mtorno@landolakes.com)				
HyClass 110W	OP	RR	2008	P
HyClass 115W	OP	RR/SURT	2008	H
HyClass 125W	OP	RR/SURT	2010	H
HyClass 154W	Hyb	RR	2008	P
Monsanto / DEKALB				
Ryan Bartlett (ryan.k.bartlett@monsanto.com)				
DKW41-10	OP	RR	2008	H
DKW44-10	OP	RR	2009	H
DKW46-15	OP	RR/SURT	2008	H
DKW47-15	OP	RR/SURT	2008	H
Virginia State University Agricultural Experiment Station				
Dr. Harbans Bhardwaj (hbhardwj@vsu.edu)				
Virginia	OP	---	2003	H
VSX-3	OP	---	---	H
Technology Crops International				
Blaise Boyle (Bboyle@techcrops.com)				
Rossini	H	HEAR	2009	H
TCI805	H	HEAR	---	H
TCI806	H	HEAR	---	H

[1]Type: OP = open pollinated, Hyb = hybrid.

[2]Trait: RR = Roundup Ready, IMI = imidazolinone resistant, SU and SURT = sulfonylurea carryover tolerant.

[3]Sd Trt = Seed treatment (H = Helix XTra, P = Prosper FX).

[4]Athena is marketed by AAP USA, Liam Cardiff (wpcardiff@aol.com).

[5]HEAR = High Erucic Acid Rapeseed. Contains greater than 2% erucic acid in the processed oil. Can be used only for industrial purposes. By definition, HEAR is not canola.

Senior Authors

Michael Stamm, Dept. of Agronomy, Kansas State University, Manhattan
Scott Dooley, Dept. of Agronomy, Kansas State University, Manhattan

Other Contributors

Sangu Angadi, New Mexico State University, Clovis
Dick Auld, Texas Tech University, Lubbock
Abdel Berrada, Colorado State University, Yellow Jacket
Harbans Bhardwaj, Virginia State University, Petersburg
Mark Boyles, Oklahoma State University, Stillwater
James Buck, University of Georgia, Griffin
Shaun Casteel, Purdue University, Lafayette
Ernst Cebert, Alabama A&M University, Normal
Gary Cramer, Kansas State University, Wichita
Heather Darby, University of Vermont, St. Albans
Jeffery Davidson, Colorado State University, Rocky Ford
Don Day, John Gassett, Mitch Gilmer, and Gary Ware, University of Georgia, Griffin
Dennis Delaney, Auburn University, Auburn, Alabama
Paul DeLaune, Texas AgriLife Research, Vernon
Robert Duncan, Texas A&M University, College Station
Nurhan Dunford, Oklahoma State University, Stillwater
Robert Flynn, New Mexico State University, Artesia
Russell Freed, Michigan State University, East Lansing
Chad Godsey, Oklahoma State University, Stillwater
William Heer, Kansas State University, Hutchinson
Jonathon Holman, Kansas State University, Garden City
Scot Hulbert, Washington State University, Pullman
Burton Johnson, North Dakota State University, Fargo
Jerry Johnson and Jim Hain, Colorado State University, Ft. Collins
Bruce Kirksey, Agricenter International, Memphis, Tennessee
Rick Kochenower, Oklahoma State University, Goodwell
James Krall and Jerry Nachtman, University of Wyoming, Lingle
Dale Ladd, Kansas State University, McPherson
David Lee, Rutgers University, Woodstown
Kevin Larson, Colorado State University, Walsh
Edwin Lentz, The Ohio State University, Findlay
Chuck Mansfield, Vincennes University, Vincennes
Heather Mason, Montana State University, Kalispell
Perry Miller, Montana State University, Bozeman
Peter Nelson, BioDimensions, Memphis, Tennessee
Mick O'Neill and Curtis Owen, New Mexico State University, Farmington
Steve Quiring, University of Minnesota, Lamberton
Charlie Rife, High Plains Crop Development, Torrington, Wyoming
Michael Schmidt and Cathy Schmidt, Southern Illinois University, Carbondale
Robert Schrock, Kiowa, KS
David Starner, Virginia Tech University, Orange
Calvin Trostle and Sean Wallace, Texas AgriLife Extension Service, Lubbock
Kimberly Tungate, North Carolina State University, Raleigh
Dennis West, University of Tennessee, Knoxville
William Wiebold and Howard Mason, University of Missouri, Columbia
John Damicone, Oklahoma State University, Stillwater

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