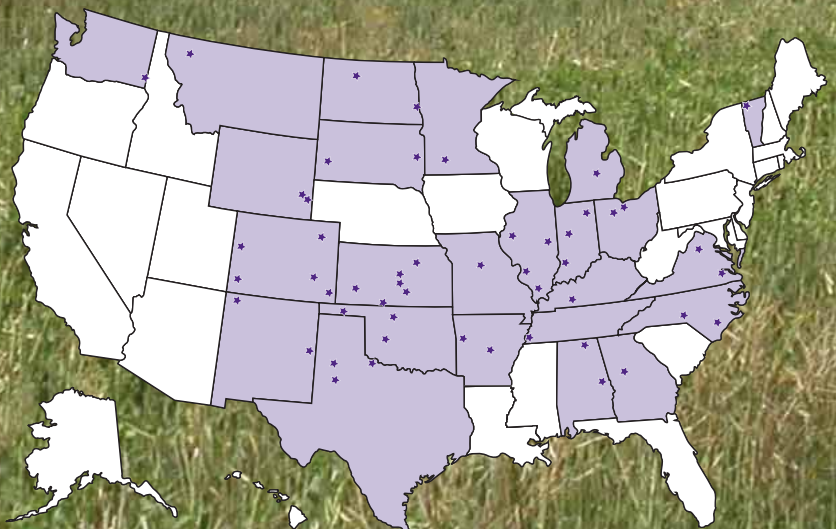


2010 National Winter Canola Variety Trial

Report of Progress 1044



**Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service**



2010 National Winter Canola Variety Trial

Table of Contents

Introduction, Objectives, Procedures, 2009-2010 Growing Conditions.....	1
Test Locations, Results, Variety Selection, Acknowledgments	2
RESULTS FROM THE 2010 NATIONAL WINTER CANOLA VARIETY TRIALS	
Auburn, AL, Table 1	3
Meridianville, AL, Table 2	4
Griffin, GA, Table 3	6
Jackson Springs, NC, Table 4.....	8
Williamsdale, NC, Table 5	9
Orange, VA, Table 6.....	10
Petersburg, VA, Table 7	12
Southeast Winter Canola Summary, 2005-2010, Figure 1	14
Belleville, IL, Table 8.....	16
Carbondale, IL, Table 9.....	18
Monmouth, IL, Table 10.....	20
Urbana, IL, Table 11.....	22
Columbia City, IN, Table 12	24
Throckmorton, IN, Table 13.....	26
Vincennes, IN, Table 14.....	28
East Lansing, MI, Table 15.....	30
Custar, OH, Table 16.....	32
Fremont, OH, Table 17.....	34
Midwest Winter Canola Summary, 2005-2010, Figure 2	36
Fruita, CO, Table 18.....	38
Rocky Ford, CO, Table 19.....	40
Yellow Jacket, CO, Table 20.....	41
Clearwater, KS, Table 21.....	42
Garden City, KS, Table 22	43
Hutchinson, KS, Table 23.....	45
Manhattan, KS, Table 24.....	47
Marquette, KS, Table 25.....	49
Clovis, NM, Table 26	50
Farmington, NM, Table 27	51
Enid, OK, Table 28.....	53
Fort Cobb, OK, Table 29	55
Chillicothe, TX, Table 30.....	57
Halfway, TX, Table 31	59
Lubbock TX, Table 32.....	60
Great Plains Winter Canola Summary, 2005-2010, Figure 3	62
Lamberton, MN, Table 33	64
St. Albans, VT, Table 34	66
Torrington, WY, Table 35	67
Northern Winter Canola Summary, 2005-2010, Figure 4	69
Blackleg Evaluations, Table 36.....	71
Seed Sources for NWCVT Entries, Table 37.....	72

2010 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 information 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 54 times to cooperators in 24 states for the 2009-2010 growing season. The locations receiving seed are illustrated on the map on the front cover. There were 45 entries; 21 of these are commercially available in the United States, and 24 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 in the regions 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 ft²) and replicated three times. Results for yield and winter survival at some locations include 2-year summaries. Entries 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.

The NWCVT continues in the 2010-2011 growing season and includes 46 entries. Ten seed suppliers contributed to the trial, and it was distributed to 59 locations in 26 states.

2009-2010 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 “09-10” represents actual precipitation.

In general, the 2009-2010 growing season was ideal for growing winter canola. Plants established well at nearly all locations, with excellent fall stands and adequate growth before winter. The majority of the sites suffering winterkill were located outside the normal geographies where winter canola is commercially grown. Over the years, winter canola has shown a tremendous capacity to recover following unfavorable weather. In addition, winter canola is consistently achieving very high seed yields in environments where moisture is not limiting.

Test Locations

The University of Illinois at Urbana-Champaign, the University of Vermont, and the Agricenter International were new participants in 2009-2010. See the back cover for a listing of all participants.

Of the trials distributed, 10 locations were lost to winterkill, five to poor stand establishment, three to severe weather, and one to a misapplication of glyphosate. Thirty-five locations in 16 states were harvested, and the results are included in this report: Auburn and Meridianville, AL; Fruita, Rocky Ford, and Yellow Jacket, CO; Griffin, GA; Belleville, Carbondale, Monmouth, and Urbana, IL; Columbia City, Throckmorton, and Vincennes, IN; Clearwater, Garden City, Hutchinson, Manhattan, and Marquette, KS; East Lansing, MI; Lambertton, MN; Jackson Springs and Williamsdale, NC; Clovis and Farmington, NM; Custar and Fremont, OH; Enid, and Fort Cobb, OK; Chillicothe, Halfway, and Lubbock, TX; Orange and Petersburg, VA; St. Albans, VT; and Torrington, 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 2005 to 2010.

Overall yields were greater than those from 2008-2009 and were generally above average

in the southern Great Plains. Twenty harvested locations averaged greater than 2,000 lb/acre. Of the six locations averaging greater than 3,000 lb/acre, five were dryland locations.

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 locations before commercialization. Other traits to consider when selecting a variety include glyphosate resistance, tolerance to carryover from sulfonylurea herbicides, maturity, disease tolerance, and yield potential. The commercially available winter canola varieties and hybrids included in these trials are tolerant to the blackleg fungus (Table 36).

Acknowledgments

This work was funded in part by the National Canola Research Program, United States Department of Agriculture – National Institute of Food and Agriculture, Oklahoma Agricultural Experiment Station, and Kansas Agricultural Experiment Station. Assistant scientist Scott Dooley and student workers Katherine Hill and Tyler Link assisted with planning, seed packaging, planting, harvest, and data preparation. Dr. Nurhan Dunford and her staff performed total protein and oil analyses. Sincere appreciation is expressed to all participating researchers and seed suppliers who have a vested interest in expanding winter canola production across the United States.

Auburn, Alabama

Dennis Delaney
Auburn University

Planted: 10/12/2009 at 5 lb/a in 7-in. rows
 Harvested: 5/28 to 6/3/2010
 Herbicides: 1 pt/a Treflan
 Insecticides: None
 Irrigation: None
 Previous Crop: Sweet Corn
 Soil Test: P=81 ppm, K=185 ppm, and pH=6.6
 Fertilizer: 30-0-0 lb N-P-K fertilizer in fall
 60-0-0 lb N-P-K fertilizer in spring
 Soil Type: Compass loamy sand
 Elevation: 220 ft Latitude: 32° 25'N

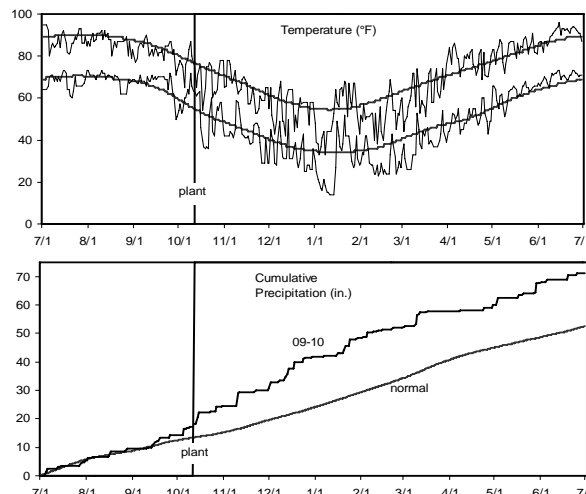


Table 1. Results for the 2010 National Winter Canola Variety Trial at Auburn, AL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant		Test			
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2333	---	---	70	100	---	---	---	10.7	51.5	25.3	43.9
AAMU-33-07	2955	---	---	89	100	---	---	---	12.7	51.6	25.3	43.3
Croplan Genetics												
HyClass154W	3282	---	---	99	97	---	---	---	13.3	50.9	25.6	42.2
DL Seeds Inc.												
Baldur	2811	---	---	85	97	---	---	---	13.4	51.9	23.8	44.2
Dimension	3512	---	---	106	100	---	---	---	12.2	51.4	23.1	46.2
Dynastie	2995	---	---	90	97	---	---	---	13.5	52.0	22.6	44.7
Flash	3267	---	---	98	100	---	---	---	13.7	51.7	23.1	45.8
Safran	3952	---	---	119	100	---	---	---	15.3	51.3	23.2	44.5
Sitro	3522	---	---	106	100	---	---	---	11.4	52.4	23.2	44.8
Visby	2887	---	---	87	97	---	---	---	14.3	50.6	22.9	44.8
Kansas State University												
Wichita	2350	---	---	71	97	---	---	---	11.4	51.7	25.6	43.9
MOMONT												
Chrome	4466	---	---	134	100	---	---	---	13.1	51.2	23.2	45.5
Hybristar	2941	---	---	89	100	---	---	---	15.6	51.3	24.0	44.8
Hybrisurf	4449	---	---	134	100	---	---	---	13.6	50.8	22.8	46.0
Kadore	3479	---	---	105	97	---	---	---	14.0	51.1	23.6	42.9
MH06E10	3771	---	---	113	100	---	---	---	12.8	52.1	23.3	44.9
MH06E11	3752	---	---	113	100	---	---	---	12.1	51.8	23.1	44.9
MH06E4	3702	---	---	111	100	---	---	---	12.7	51.5	24.0	44.6
MH905492	3187	---	---	96	100	---	---	---	11.7	51.3	24.2	45.3
Virginia State University												
Virginia	2832	---	---	85	100	---	---	---	12.8	50.9	25.3	43.4
Mean	3322	---	---	---	99	---	---	---	13.0	51.5	23.8	44.5
CV	15	---	---	---	3	---	---	---	9.5	0.6	1.6	0.9
LSD (0.05)	815	---	---	---	NS	---	---	---	2.0	0.5	0.8	0.9

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.

Meridianville, Alabama

Ernst Cebert
Alabama A&M University

Planted: 9/25/2009 at 6 lb/a in 7-in. rows
 Harvested: 6/4 to 6/16/2010
 Herbicides: Trifluralin
 Insecticides: None
 Irrigation: None
 Previous Crop: NA
 Soil Test: NA
 Fertilizer: 6.5-6.5-6.5 lb N-P-K fertilizer in fall
 135-0-0 lb N-P-K fertilizer in spring
 Soil Type: Decatur silty clay loam
 Elevation: 624 ft Latitude: 34° 35'N

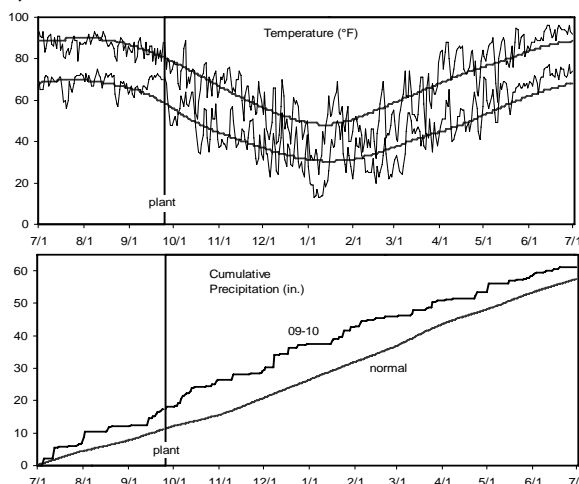


Table 2. Results for the 2010 National Winter Canola Variety Trial at Meridianville, AL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2733	1200	1967	152	92	92	92	53	8.2	---	25.8	43.6
AAMU-33-07	1867	2422	2144	104	93	100	97	52	8.0	---	27.5	42.3
Croplan Genetics												
HyClass110W	1331	1651	1491	74	88	98	93	48	8.6	---	28.7	41.3
HyClass115W	1812	1604	1708	101	92	96	94	45	8.0	---	28.6	41.7
HyClass154W	2198	1533	1866	122	88	98	93	54	8.8	---	28.6	40.9
DEKALB												
DKW41-10	1088	1627	1358	61	85	98	92	52	7.9	---	32.6	39.7
DKW46-15	1266	1865	1566	71	87	99	93	42	8.3	---	27.5	43.7
DKW47-15	1146	1411	1278	64	83	95	89	55	8.1	---	29.8	41.3
DL Seeds Inc.												
Baldur	1766	1311	1539	98	92	94	93	45	8.5	---	27.3	42.6
Dimension	1687	1440	1563	94	83	93	88	53	8.3	---	27.3	43.4
Dynastie	2553	---	---	142	98	---	---	39	8.4	---	26.4	43.7
Flash	1788	1985	1887	100	90	95	93	37	8.6	---	25.5	44.1
Safran	1888	2714	2301	105	92	98	95	42	8.4	---	26.6	43.9
Sitro	2484	2017	2251	138	97	98	97	45	7.8	---	26.8	42.3
Visby	1489	2004	1747	83	88	83	86	58	7.8	---	27.4	42.1
High Plains Crop Development												
HPX-501	2058	2236	2147	115	90	100	95	47	7.7	---	28.7	41.8
HPX-6271	1150	2260	1705	64	88	99	94	46	8.8	---	29.3	41.5
HPX-7019	1913	---	---	107	92	---	---	53	8.7	---	28.0	42.8
HPX-7127	1775	---	---	99	90	---	---	49	8.0	---	28.2	41.7
HPX-7228	1980	---	---	110	92	---	---	52	8.6	---	27.8	41.5
HPX-7341	1472	---	---	82	90	---	---	52	8.4	---	29.0	41.4
Kansas State University												
Kiowa	1508	1493	1500	84	85	100	93	51	8.2	---	28.4	41.5
KS3254	1852	1883	1867	103	90	100	95	47	7.8	---	26.2	42.7
KS4426	1505	---	---	84	90	---	---	56	9.0	---	25.9	43.3
KS4475	1869	---	---	104	90	---	---	45	8.4	---	28.3	42.0
Riley	2290	1994	2142	128	93	100	97	50	8.1	---	28.4	42.0
Sumner	1619	1865	1742	90	90	100	95	46	8.3	---	28.1	42.0
Wichita	1767	1978	1873	98	92	100	96	48	8.7	---	29.8	40.6
MOMONT												
Chrome	2474	---	---	138	93	---	---	44	8.3	---	25.4	43.8
Hybristar	2132	1878	2005	119	88	99	94	47	8.0	---	28.2	42.6
Hybrisurf	1319	1921	1620	73	87	98	92	46	8.6	---	28.5	42.1
Kadore	2155	1958	2056	120	88	98	93	51	9.0	---	25.7	42.6
MH06E10	2360	---	---	131	93	---	---	53	8.2	---	26.2	43.4
MH06E11	2090	---	---	116	92	---	---	33	8.4	---	28.6	41.7
MH06E4	1981	---	---	110	85	---	---	49	8.8	---	28.2	42.2
MH905492	1743	---	---	97	88	---	---	36	8.5	---	30.0	41.4

Table 2. Results for the 2010 National Winter Canola Variety Trial at Meridianville, AL

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Southern Illinois University												
KSIU331	1201	---	---	67	87	---	---	44	8.6	---	28.5	42.0
University of Arkansas												
ARC00005-2	1573	1725	1649	88	90	99	95	54	8.3	---	26.8	43.2
ARC00024-2	1621	---	---	90	92	---	---	50	8.3	---	27.7	41.4
ARC2189-2	1142	1989	1566	64	85	97	91	47	8.7	---	29.0	40.9
ARC99009-1	1730	---	---	96	90	---	---	52	8.3	---	26.6	42.7
Virginia State University												
Virginia	2032	1497	1765	113	92	94	93	51	8.5	---	26.0	43.5
Mean	1795	1856	---	---	90	98	---	48	8.4	---	27.8	42.3
CV	30	23	---	---	5	3	---	18	6.6	---	5.3	2.4
LSD (0.05)	862	701	---	---	NS	5	---	NS	NS	---	3.0	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.

Griffin, Georgia

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

Planted: 10/20/2009 at 5 lb/a in 7-in. rows
Harvested: 7/9/2010
Herbicides: Poast
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=Medium, K=High, and pH=5.9
Fertilizer: 50-100-150 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

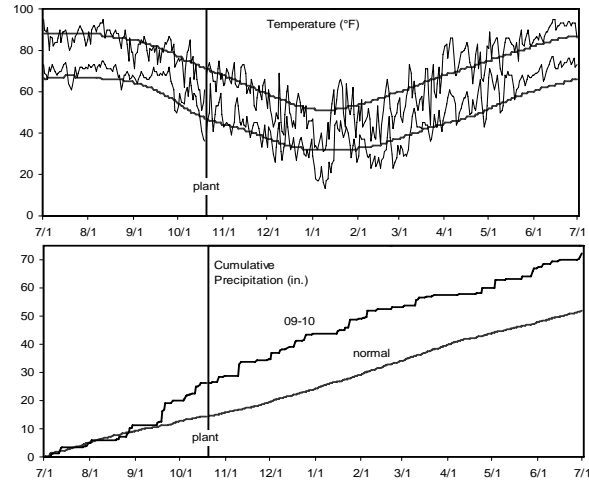


Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, GA

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2683	2191	2437	82	---	---	---	52	8.5	50.2	24.4	44.6
AAMU-33-07	3223	2456	2840	98	---	---	---	52	8.8	51.0	24.7	43.7
Croplan Genetics												
HyClass110W	3200	2024	2612	98	---	---	---	52	8.4	50.2	24.8	43.9
HyClass115W	2834	2224	2529	87	---	---	---	52	8.7	50.6	26.0	43.6
HyClass154W	3038	2674	2856	93	---	---	---	57	9.5	50.7	25.2	43.4
DEKALB												
DKW41-10	2512	1924	2218	77	---	---	---	48	8.6	51.9	28.0	41.5
DKW46-15	2858	2129	2493	87	---	---	---	48	8.8	50.9	23.7	45.9
DKW47-15	3023	2143	2583	92	---	---	---	62	8.7	50.8	26.6	43.0
DL Seeds Inc.												
Baldur	3586	2457	3022	109	---	---	---	54	9.1	51.2	22.9	44.6
Dimension	3026	2490	2758	92	---	---	---	58	9.2	50.3	22.7	46.5
Dynastie	3839	---	---	117	---	---	---	50	9.1	50.8	22.2	45.6
Flash	4037	2736	3386	123	---	---	---	56	9.1	50.6	23.4	45.6
Safran	3554	2745	3150	109	---	---	---	53	9.4	50.8	24.2	44.3
Sitro	4077	2487	3282	124	---	---	---	54	8.6	51.2	22.9	45.1
Visby	3264	2086	2675	100	---	---	---	56	8.5	50.6	23.7	43.8
High Plains Crop Development												
HPX-501	2564	2376	2470	78	---	---	---	54	8.9	49.8	25.3	44.3
HPX-6271	3212	2266	2739	98	---	---	---	55	9.0	51.3	26.0	43.3
HPX-7019	2901	---	---	89	---	---	---	55	8.4	51.3	25.4	43.9
HPX-7127	3258	---	---	99	---	---	---	52	9.3	50.4	25.4	44.2
HPX-7228	3720	---	---	114	---	---	---	54	8.9	52.4	24.9	43.3
HPX-7341	2939	---	---	90	---	---	---	50	8.6	51.3	25.6	43.8
Kansas State University												
Kiowa	3000	2273	2636	92	---	---	---	53	9.6	50.7	24.9	43.1
KS4022	2442	2284	2363	75	---	---	---	51	9.5	47.1	27.6	42.1
KS4426	2855	---	---	87	---	---	---	57	8.6	50.8	23.5	45.6
KS4475	3523	---	---	108	---	---	---	57	9.0	51.5	26.1	43.0
Riley	3427	2017	2722	105	---	---	---	55	8.9	51.3	25.3	44.0
Sumner	2930	2031	2481	89	---	---	---	50	9.3	51.4	25.7	44.3
Wichita	3197	1982	2590	98	---	---	---	53	8.4	51.4	24.8	44.1
MOMONT												
Chrome	3903	---	---	119	---	---	---	53	8.9	51.1	22.3	46.3
Hybristar	3618	2363	2991	110	---	---	---	59	8.5	51.1	23.4	45.4
Hybrisurf	4341	1991	3166	133	---	---	---	57	9.0	50.6	23.0	45.7
Kadore	3482	2403	2943	106	---	---	---	47	8.9	49.7	24.2	43.1
MH06E10	3706	---	---	113	---	---	---	58	8.7	51.4	23.1	44.8
MH06E11	3874	---	---	118	---	---	---	58	8.3	51.4	21.8	46.0
MH06E4	3325	---	---	102	---	---	---	59	8.6	50.4	23.0	45.2
MH905492	3343	---	---	102	---	---	---	58	8.6	50.3	24.5	45.1

Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, GA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	3549	---	---	108	---	---	---	59	8.4	50.9	24.9	44.5
University of Arkansas												
ARC00005-2	3104	2364	2734	95	---	---	---	59	9.6	50.7	25.0	42.9
ARC00024-2	3430	2213	2821	105	---	---	---	62	8.6	51.4	24.7	43.5
ARC2189-2	2985	2275	2630	91	---	---	---	59	9.6	50.3	25.5	43.6
ARC99009-1	2961	---	---	90	---	---	---	58	8.8	50.8	25.0	44.2
Virginia State University												
Virginia	3223	2465	2844	98	---	---	---	49	8.6	50.5	24.7	43.8
Mean	3275	2280	2778	---	---	---	---	55	8.9	50.8	24.5	44.3
CV	14	15	14	---	---	---	---	7	6.4	2.2	3.2	1.4
LSD (0.05)	720	543	632	---	---	---	---	6	NS	NS	1.6	1.3

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.

Jackson Springs, North Carolina

Kim Tungate
North Carolina State University

Planted: 10/7/2009 at 5 lb/a in 8-in. rows
Harvested: 6/7/2010
Herbicides: Poast
Insecticides: None
Irrigation: None
Previous Crop: Fallow
Soil Test: P=47 ppm, K=56 ppm, and pH=6.9
Fertilizer: 27-0-0 lb N-P-K fertilizer in fall
80-50-0-26 lb N-P-K-S fertilizer in spring
Elevation: 600 ft Latitude: 35° 11'N

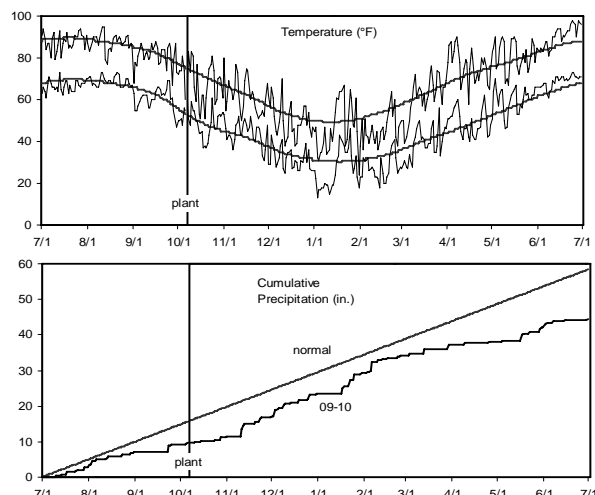


Table 4. Results for the 2010 National Winter Canola Variety Trial at Jackson Springs, NC

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
Hyclass154W	2140	---	---	98	---	---	---	47	---	---	25.2	41.8
DL Seeds Inc.												
Baldur	2101	---	---	96	---	---	---	45	---	---	24.6	42.7
Dimension	2371	---	---	109	---	---	---	49	---	---	23.4	44.9
Dynastie	2171	---	---	100	---	---	---	44	---	---	23.4	42.6
Flash	2369	---	---	109	---	---	---	48	---	---	25.3	42.0
Safran	2282	---	---	105	---	---	---	46	---	---	25.9	40.5
Sitro	2457	---	---	113	---	---	---	51	---	---	24.0	43.1
Visby	2566	---	---	118	---	---	---	48	---	---	25.0	41.6
Kansas State University												
Wichita	2203	---	---	101	---	---	---	44	---	---	25.9	41.8
MOMONT												
Hybristar	2254	---	---	103	---	---	---	47	---	---	24.4	43.8
Hybrisurf	2528	---	---	116	---	---	---	46	---	---	24.0	44.2
Kadore	1447	---	---	66	---	---	---	39	---	---	25.4	39.9
University of Arkansas												
ARC00005-2	2063	---	---	95	---	---	---	42	---	---	24.8	42.4
ARC00024-2	2030	---	---	93	---	---	---	43	---	---	25.3	42.0
ARC2189-2	1789	---	---	82	---	---	---	44	---	---	26.1	41.2
ARC99009-1	1930	---	---	89	---	---	---	44	---	---	25.7	41.9
Mean	2180	---	---	---	---	---	---	46	---	---	24.9	42.3
CV	18	---	---	---	---	---	---	9	---	---	4.4	3.0
LSD (0.05)	NS	---	---	---	---	---	---	NS	---	---	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.

Williamsdale, North Carolina

Kim Tungate
North Carolina State University

Planted: 10/20/2009 at 5 lb/a in 8-in. rows
 Harvested: 6/9/2010
 Herbicides: Poast
 Insecticides: None
 Irrigation: None
 Previous Crop: Fallow
 Soil Test: P=349 ppm, K=175 ppm, and pH=6.1
 Fertilizer: 27-0-0 lb N-P-K fertilizer in fall
 80-0-0-26 lb N-P-K-S fertilizer in spring
 Soil Type: Goldsboro loamy sand
 Elevation: 148 ft Latitude: 34° 45'N

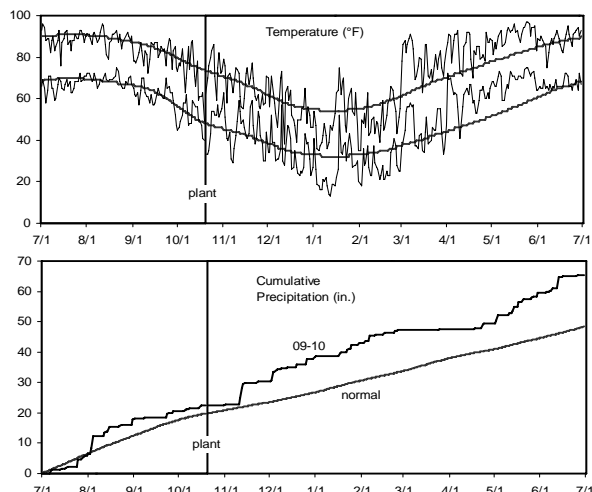


Table 5. Results for the 2010 National Winter Canola Variety Trial at Williamsdale, NC

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass154W	1705	---	---	94	---	---	---	42	---	---	27.8	40.4
DL Seeds Inc.												
Baldur	1663	---	---	91	---	---	---	41	---	---	26.3	41.9
Dimension	2295	---	---	126	---	---	---	49	---	---	26.0	43.2
Dynastie	1840	---	---	101	---	---	---	41	---	---	25.5	42.7
Flash	1330	---	---	73	---	---	---	45	---	---	26.9	41.8
Safran	1814	---	---	100	---	---	---	43	---	---	26.2	41.9
Sitro	2163	---	---	119	---	---	---	46	---	---	26.5	41.4
Visby	2301	---	---	126	---	---	---	46	---	---	26.9	41.1
Kansas State University												
Wichita	1822	---	---	100	---	---	---	43	---	---	28.0	41.3
MOMONT												
Hybristar	1701	---	---	94	---	---	---	45	---	---	26.9	42.2
Hybrisurf	1704	---	---	94	---	---	---	44	---	---	26.3	42.5
Kadore	1636	---	---	90	---	---	---	39	---	---	26.3	41.2
University of Arkansas												
ARC00005-2	1780	---	---	98	---	---	---	44	---	---	27.5	41.0
ARC00024-2	1836	---	---	101	---	---	---	51	---	---	27.6	40.4
ARC2189-2	1860	---	---	102	---	---	---	50	---	---	27.4	40.2
ARC99009-1	1784	---	---	98	---	---	---	41	---	---	26.8	42.0
Mean	1819	---	---	---	---	---	---	44	---	---	26.8	41.6
CV	19	---	---	---	---	---	---	12	---	---	2.8	1.8
LSD (0.05)	NS	---	---	---	---	---	---	NS	---	---	NS	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

Dave Starner
Virginia Tech University

Planted: 9/16/2009 at 5 lb/a in 7-in. rows
 Harvested: 6/10/2010
 Herbicides: 1 pt/a Trifluralin
 Insecticides: None
 Irrigation: None
 Previous Crop: Fallow
 Soil Test: P=High, K=Very High, and pH=6.8
 Fertilizer: 25-118-0 lb N-P-K fertilizer in fall
 60-0-0 lb N-P-K fertilizer in spring
 Soil Type: Davidson clay loam
 Elevation: 500 ft Latitude: 38° 13'N

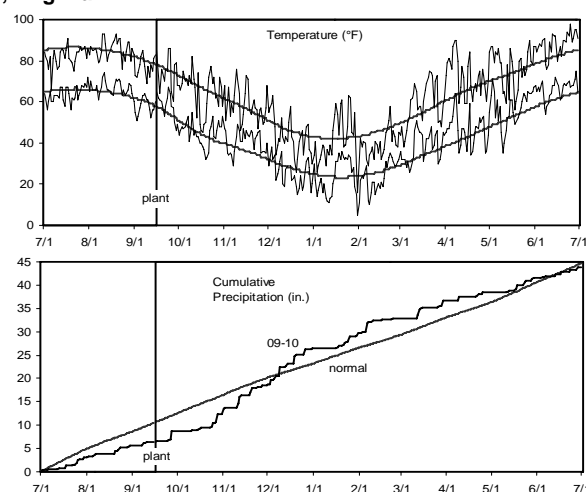


Table 6. Results for the 2010 National Winter Canola Variety Trial at Orange, VA

Name	Yield (lb/a)			Yield (% of test avg.)			Plant		Test			
	2010	2009	2-Yr.	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)	
Alabama A&M University												
AAMU-18-07	2916	514	1715	97	93	---	53	6.7	48.4	25.0	43.5	
AAMU-33-07	3088	768	1928	103	98	---	56	9.5	48.8	25.9	42.4	
Croplan Genetics												
HyClass110W	3029	726	1877	101	95	---	56	7.4	48.8	26.5	41.9	
HyClass115W	2616	900	1758	87	96	---	57	7.6	51.4	26.2	42.6	
HyClass154W	2815	1282	2048	94	87	---	62	10.9	48.0	26.4	41.5	
DEKALB												
DKW41-10	2810	750	1780	94	95	---	50	7.4	50.9	28.3	41.1	
DKW46-15	2874	721	1797	96	96	---	56	6.1	49.0	25.1	44.7	
DKW47-15	2603	995	1799	87	95	---	62	8.1	47.7	26.4	42.5	
DL Seeds Inc.												
Baldur	3144	1007	2076	105	96	---	61	10.0	50.0	24.2	43.9	
Dimension	3200	891	2045	107	98	---	61	12.8	48.6	23.1	45.8	
Dynastie	3062	---	---	102	98	---	58	10.8	49.8	22.9	44.7	
Flash	2127	1509	1818	71	95	---	62	15.7	48.4	24.2	44.1	
Safran	3225	1628	2426	108	99	---	60	12.4	50.0	24.1	43.9	
Sitro	2827	1788	2307	94	95	---	59	10.8	49.9	23.5	44.2	
Visby	3438	1268	2353	115	96	---	59	11.4	48.8	24.1	43.3	
High Plains Crop Development												
HPX-501	2724	1566	2145	91	99	---	63	7.4	49.3	26.5	42.6	
HPX-6271	2875	1013	1944	96	94	---	57	8.0	49.2	25.4	43.2	
HPX-7019	3016	---	---	101	95	---	60	7.8	49.7	25.5	43.1	
HPX-7127	2920	---	---	98	93	---	64	10.3	47.9	25.0	43.9	
HPX-7228	3238	---	---	108	94	---	57	7.9	50.9	24.3	43.4	
HPX-7341	3113	---	---	104	96	---	61	8.0	50.1	26.1	42.3	
Kansas State University												
Kiowa	2746	1132	1939	92	95	---	64	10.0	47.5	26.1	41.2	
KS4022	2435	642	1538	81	96	---	60	11.0	48.2	25.6	42.6	
KS4426	2875	---	---	96	93	---	62	11.2	48.7	24.6	43.7	
KS4475	2785	---	---	93	95	---	61	10.3	49.1	25.8	42.7	
Riley	2913	1061	1987	97	88	---	58	8.7	49.4	24.8	43.8	
Sumner	2970	931	1950	99	95	---	57	7.1	50.7	26.0	43.0	
Wichita	2960	1080	2020	99	96	---	59	7.7	50.2	25.5	43.1	
MOMONT												
Chrome	3266	---	---	109	99	---	60	12.7	48.9	23.6	44.0	
Hybristar	3028	1090	2059	101	98	---	61	12.2	48.5	24.7	43.8	
Hybrisurf	3110	914	2012	104	98	---	59	11.6	48.9	23.5	44.8	
Kadore	3274	1514	2394	109	96	---	52	10.8	49.7	24.5	42.9	
MH06E10	3442	---	---	115	91	---	61	11.6	48.7	24.1	43.3	
MH06E11	3716	---	---	124	88	---	62	9.0	49.8	23.9	44.3	
MH06E4	3778	---	---	126	98	---	61	10.0	48.9	24.4	44.1	
MH905492	3196	---	---	107	95	---	57	9.1	49.2	25.9	43.7	

Table 6. Results for the 2010 National Winter Canola Variety Trial at Orange, VA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2866	---	---	96	98	---	---	62	10.6	48.7	25.6	43.2
University of Arkansas												
ARC00005-2	2804	1198	2001	94	98	---	---	63	9.5	48.7	25.0	43.1
ARC00024-2	2925	1131	2028	98	98	---	---	66	10.1	48.0	24.8	42.7
ARC2189-2	2700	1378	2039	90	98	---	---	65	9.5	47.0	25.7	42.4
ARC99009-1	3152	---	---	105	99	---	---	62	8.6	49.3	25.7	42.9
Virginia State University												
Virginia	3112	599	1856	104	98	---	---	54	8.7	48.7	25.4	43.1
Mean	2993	1095	---	---	95	---	---	59	9.7	49.1	25.1	43.3
CV	9	26	---	---	4	---	---	3	12.8	1.9	2.6	1.1
LSD (0.05)	421	455	---	---	NS	---	---	3	2.0	1.5	1.3	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.

Petersburg, Virginia

Harbans Bhardwaj
Virginia State University

Planted: 9/24/2009 at 5 lb/a in 15-in. rows
Harvested: 6/21/2010
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
Fertilizer: 100-100-100 lb N-P-K fertilizer in spring
Soil Type: Abell sandy loam
Elevation: 134 ft Latitude: 37° 15'N

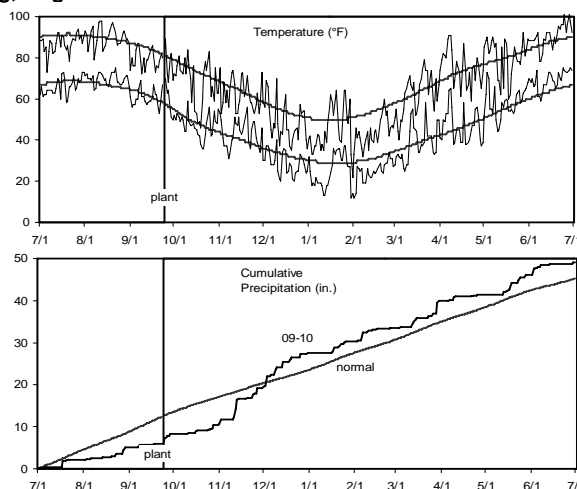


Table 7. Results for the 2010 National Winter Canola Variety Trial at Petersburg, VA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant		Test		
	2010	2009	2-Yr.		2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	522	1153	838	53	---	---	---	---	---	---	---	---
AAMU-33-07	675	1405	1040	69	---	---	---	---	---	---	---	---
Croplan Genetics												
HyClass110W	480	987	734	49	---	---	---	---	---	---	---	---
HyClass115W	905	1470	1187	93	---	---	---	---	---	---	---	---
HyClass154W	697	1493	1095	71	---	---	---	---	---	---	---	---
DEKALB												
DKW41-10	1142	1081	1112	117	---	---	---	---	---	---	---	---
DKW46-15	1011	1146	1078	103	---	---	---	---	---	---	---	---
DKW47-15	604	1444	1024	62	---	---	---	---	---	---	---	---
DL Seeds Inc.												
Baldur	880	1130	1005	90	---	---	---	---	---	---	---	---
Dimension	972	1054	1013	99	---	---	---	---	---	---	---	---
Dynastie	2007	---	---	205	---	---	---	---	---	---	---	---
Flash	1203	1816	1509	123	---	---	---	---	---	---	---	---
Safran	1305	2044	1675	133	---	---	---	---	---	---	---	---
Sitro	1242	1446	1344	127	---	---	---	---	---	---	---	---
Visby	780	1447	1114	80	---	---	---	---	---	---	---	---
High Plains Crop Development												
HPX-501	1390	1555	1473	142	---	---	---	---	---	---	---	---
HPX-6271	467	1191	829	48	---	---	---	---	---	---	---	---
HPX-7019	1270	---	---	130	---	---	---	---	---	---	---	---
HPX-7127	511	---	---	52	---	---	---	---	---	---	---	---
HPX-7228	569	---	---	58	---	---	---	---	---	---	---	---
HPX-7341	1616	---	---	165	---	---	---	---	---	---	---	---
Kansas State University												
Kiowa	1854	1203	1529	190	---	---	---	---	---	---	---	---
KS4022	1796	1165	1480	184	---	---	---	---	---	---	---	---
KS4426	389	---	---	40	---	---	---	---	---	---	---	---
KS4475	865	---	---	88	---	---	---	---	---	---	---	---
Riley	872	1205	1039	89	---	---	---	---	---	---	---	---
Sumner	1632	941	1287	167	---	---	---	---	---	---	---	---
Wichita	1324	778	1051	135	---	---	---	---	---	---	---	---
MOMONT												
Chrome	1750	---	---	179	---	---	---	---	---	---	---	---
Hybristar	1149	1503	1326	118	---	---	---	---	---	---	---	---
Hybrisurf	775	1257	1016	79	---	---	---	---	---	---	---	---
Kadore	402	1702	1052	41	---	---	---	---	---	---	---	---
MH06E10	348	---	---	36	---	---	---	---	---	---	---	---
MH06E11	378	---	---	39	---	---	---	---	---	---	---	---
MH06E4	569	---	---	58	---	---	---	---	---	---	---	---
MH905492	1358	---	---	139	---	---	---	---	---	---	---	---

Table 7. Results for the 2010 National Winter Canola Variety Trial at Petersburg, VA

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	1007	---	---	103	---	---	---	---	---	---	---	---
University of Arkansas												
ARC00005-2	645	1281	963	66	---	---	---	---	---	---	---	---
ARC00024-2	862	1096	979	88	---	---	---	---	---	---	---	---
ARC2189-2	743	1013	878	76	---	---	---	---	---	---	---	---
ARC99009-1	627	---	---	64	---	---	---	---	---	---	---	---
Virginia State University												
Virginia	1458	1661	1559	149	---	---	---	---	---	---	---	---
Mean	977	1295	---	---	---	---	---	---	---	---	---	---
CV	25	24	---	---	---	---	---	---	---	---	---	---
LSD (0.05)	403	506	---	---	---	---	---	---	---	---	---	---

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.

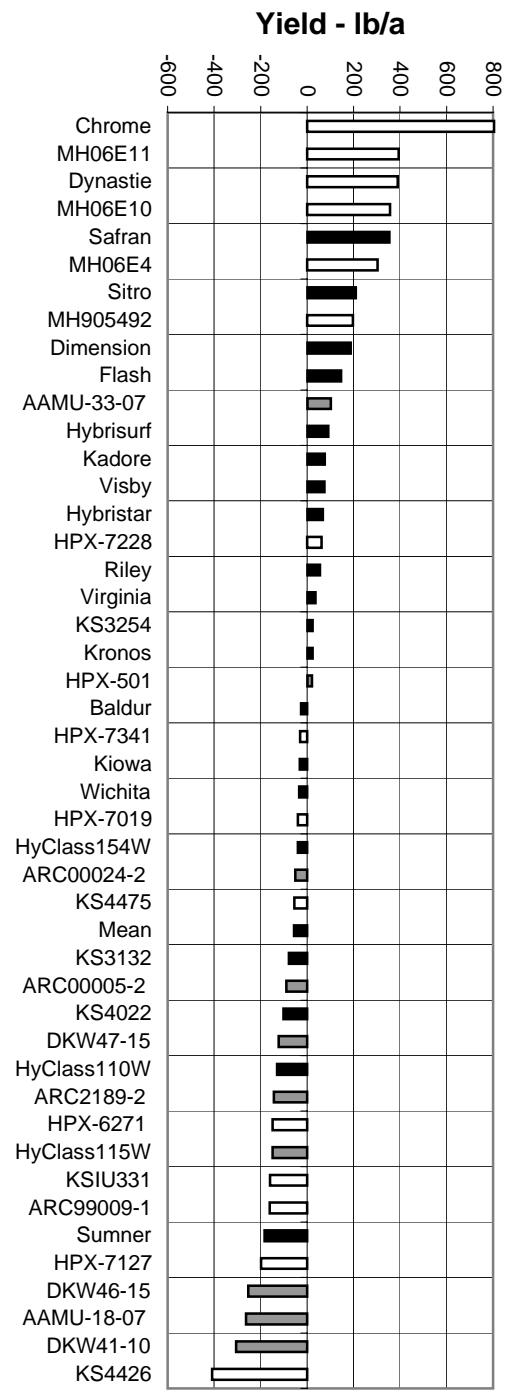
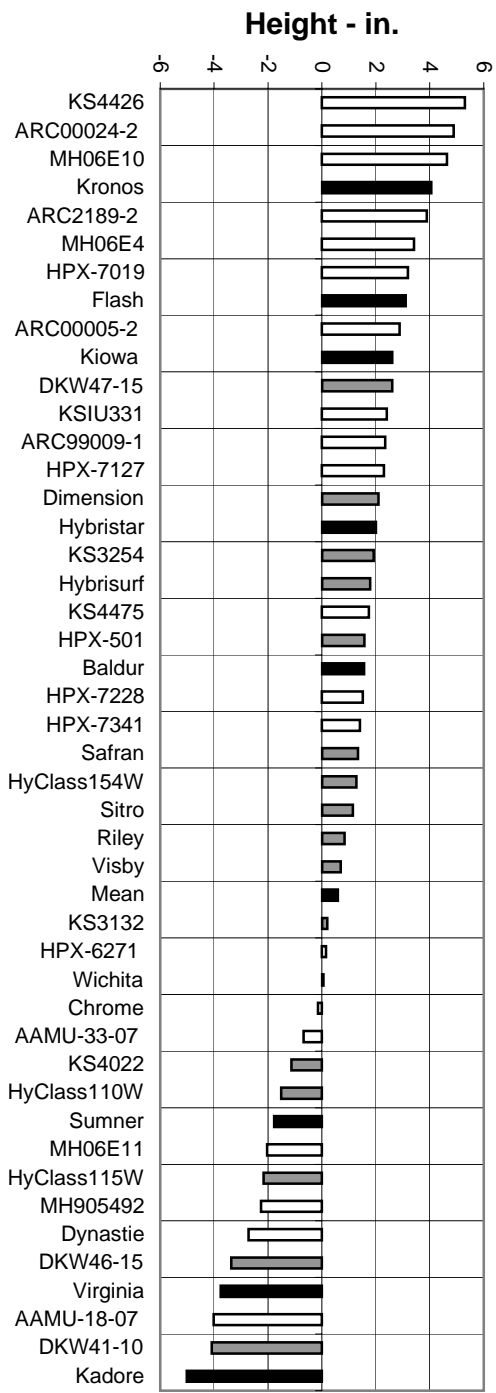
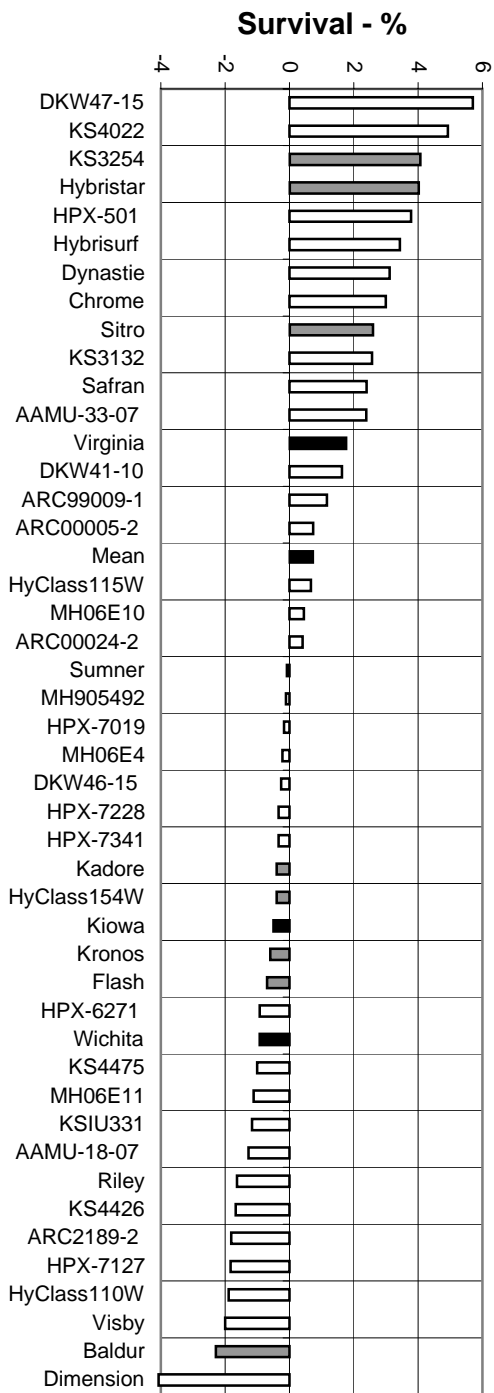
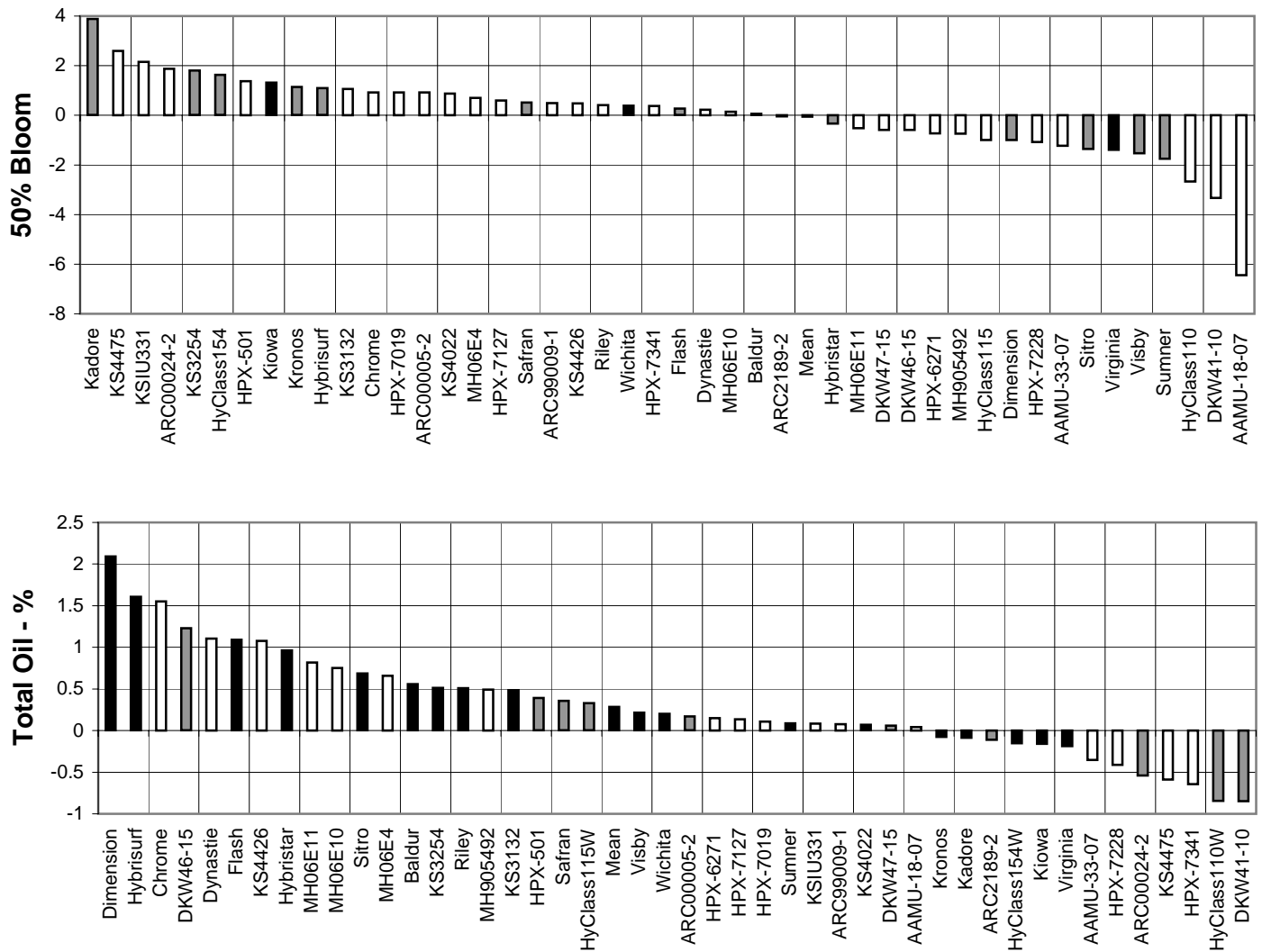


Figure 1. Southeast Winter Canola Summary, 2005-2010.



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).

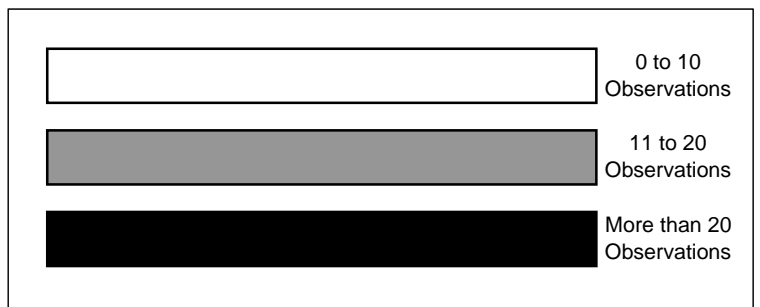


Figure 1. Southeast Winter Canola Summary, 2005-2010 (continued).

Belleville, Illinois

Michael Schmidt and Cathy Schmidt
Southern Illinois University

Planted: 9/20/2009 at 6 lb/a in 7.5-in. rows
 Herbicides: 1.5 pt/a Treflan
 Insecticides: None
 Irrigation: None
 Previous Crop: P=84 ppm, K=304 ppm, and pH=6.6
 Soil Test: NA
 Fertilizer: 0-25-25 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

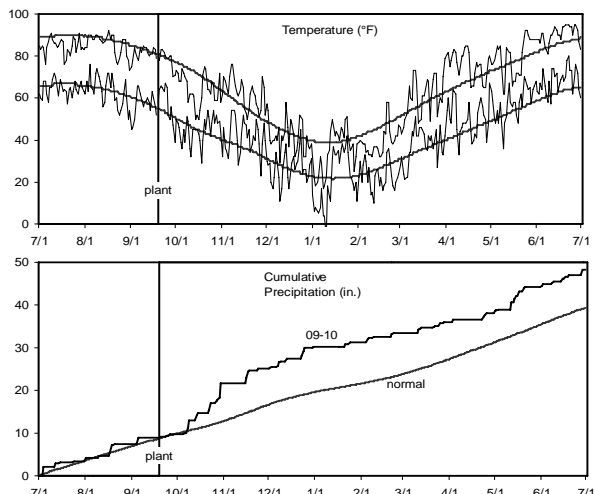


Table 8. Results for the 2010 National Winter Canola Variety Trial at Belleville, IL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant		Test			
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	3243	---	---	79	100	---	---	49	9.1	48.3	23.0	45.0
AAMU-33-07	3057	---	---	75	100	---	---	50	10.7	48.5	23.6	44.4
DL Seeds Inc.												
Baldur	4578	---	---	112	100	---	---	58	12.3	46.7	21.7	46.1
Dimension	3720	---	---	91	100	---	---	52	10.3	48.0	22.2	45.6
Dynastie	4361	---	---	107	100	---	---	55	11.4	48.3	23.7	45.4
Flash	4795	---	---	117	100	---	---	59	12.9	46.4	22.0	45.9
Safran	3843	---	---	94	100	---	---	54	11.7	49.1	20.9	47.7
Sitro	4894	---	---	120	100	---	---	54	10.5	48.9	22.1	46.0
Visby	4332	---	---	106	100	---	---	52	10.5	48.1	22.8	45.8
High Plains Crop Development												
HPX-501	3355	---	---	82	100	---	---	54	9.2	49.9	22.4	45.7
HPX-6271	4405	---	---	108	100	---	---	52	10.6	47.7	22.5	45.5
HPX-7019	3976	---	---	97	100	---	---	53	10.2	49.3	22.9	45.0
HPX-7127	4101	---	---	100	100	---	---	54	11.5	48.0	23.1	45.3
HPX-7228	3178	---	---	78	87	---	---	52	10.2	48.0	22.6	44.7
HPX-7341	3810	---	---	93	100	---	---	54	9.5	50.1	22.5	44.7
Kansas State University												
Kiowa	4229	---	---	103	100	---	---	55	11.7	48.5	21.7	46.1
KS3254	4332	---	---	106	100	---	---	57	10.8	47.5	22.2	46.1
KS4426	3939	---	---	96	100	---	---	56	12.9	48.4	21.1	46.6
KS4475	4242	---	---	104	100	---	---	55	12.6	49.3	21.8	45.6
Riley	3279	---	---	80	100	---	---	53	9.8	45.6	22.4	46.0
Sumner	3789	---	---	93	98	---	---	53	9.8	50.3	22.4	45.5
Wichita	3510	---	---	86	100	---	---	52	10.4	48.0	22.4	45.6
MOMONT												
Chrome	4732	---	---	116	100	---	---	55	10.2	48.6	23.5	45.1
Hybristar	4555	---	---	111	100	---	---	55	13.3	44.0	23.5	44.7
Hybrisurf	4076	---	---	100	100	---	---	53	12.0	48.8	23.9	45.0
Kadore	4748	---	---	116	100	---	---	50	11.9	48.5	21.6	46.3
MH06E10	4453	---	---	109	87	---	---	57	13.1	48.6	22.2	45.8
MH06E11	4824	---	---	118	100	---	---	58	10.4	47.6	22.2	45.3
MH06E4	4674	---	---	114	93	---	---	57	11.1	47.4	23.5	45.1
MH905492	2540	---	---	62	100	---	---	53	9.2	50.4	-	-
Southern Illinois University												
KSIU331	4199	---	---	103	95	---	---	57	11.9	47.0	22.1	45.6
University of Arkansas												
ARC00005-2	4865	---	---	119	100	---	---	56	11.4	49.4	22.8	45.5
ARC00024-2	4107	---	---	100	100	---	---	56	14.9	45.6	22.8	46.0
ARC2189-2	4282	---	---	105	100	---	---	55	11.0	47.6	21.9	46.4
ARC99009-1	4063	---	---	99	100	---	---	55	11.6	46.6	22.9	44.6

Table 8. Results for the 2010 National Winter Canola Variety Trial at Belleville, IL

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Virginia State University												
Virginia	4267	---	---	104	100	---	---	48	9.8	47.7	22.6	45.3
Mean	4093	---	---	---	99	---	---	54	11.1	48.1	22.5	45.6
CV	17	---	---	---	6	---	---	4	11.4	5.6	3.7	1.4
LSD (0.05)	1106	---	---	---	NS	---	---	4	2.1	NS	NS	1.4

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: 9/19/2009 at 6 lb/a in 7.5-in. rows
Harvested: 6/15/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Silage corn
Soil Test: NA
Fertilizer: 27-96-150 lb N-P-K fertilizer in fall
95-0-0 lb N-P-K fertilizer in spring
Elevation: 400 ft Latitude: 38° 30'N

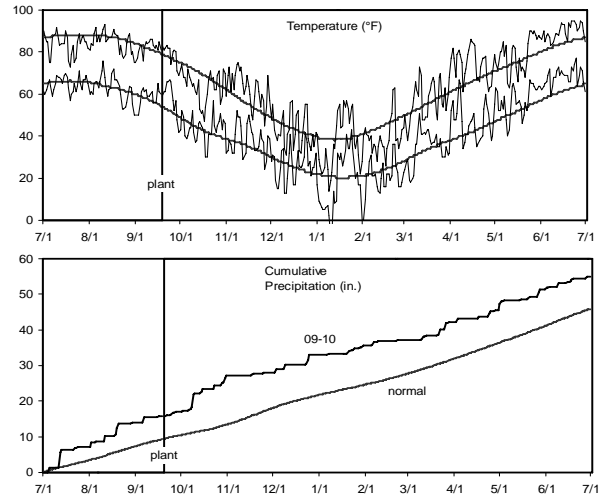


Table 9. Results for the 2010 National Winter Canola Variety Trial at Carbondale, IL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1595	---	---	68	---	---	---	42	7.7	51.0	21.5	46.9
AAMU-33-07	2191	---	---	93	---	---	---	42	7.7	50.4	21.5	46.4
DL Seeds Inc.												
Baldur	1637	---	---	70	---	---	---	50	7.8	52.2	21.6	46.0
Dimension	2056	---	---	88	---	---	---	43	7.3	50.8	20.9	48.3
Dynastie	2744	---	---	117	---	---	---	43	7.6	51.1	20.9	46.8
Flash	2587	---	---	110	---	---	---	45	7.0	51.3	22.1	46.0
Safran	4002	---	---	171	---	---	---	50	7.5	51.4	22.1	46.1
Sitro	2600	---	---	111	---	---	---	46	7.6	52.0	20.6	46.6
Visby	2520	---	---	108	---	---	---	44	7.0	51.5	20.7	46.6
High Plains Crop Development												
HPX-501	2361	---	---	101	---	---	---	47	7.5	51.1	22.6	45.9
HPX-6271	2275	---	---	97	---	---	---	42	7.4	51.7	21.9	46.9
HPX-7019	2166	---	---	92	---	---	---	45	7.2	52.3	22.2	46.5
HPX-7127	2293	---	---	98	---	---	---	45	7.5	51.5	22.0	45.8
HPX-7228	1834	---	---	78	---	---	---	44	7.3	52.7	22.6	45.5
HPX-7341	2058	---	---	88	---	---	---	42	8.1	51.0	22.8	46.0
Kansas State University												
Kiowa	1816	---	---	77	---	---	---	44	7.5	51.3	21.4	46.1
KS3254	2497	---	---	107	---	---	---	47	7.6	51.8	21.9	46.3
KS4426	2824	---	---	120	---	---	---	48	7.5	50.9	22.7	45.9
KS4475	2665	---	---	114	---	---	---	49	7.5	50.7	22.0	46.0
Riley	2547	---	---	109	---	---	---	44	7.3	50.9	22.0	46.2
Sumner	2562	---	---	109	---	---	---	45	7.3	52.4	23.1	45.8
Wichita	1939	---	---	83	---	---	---	44	7.6	50.6	22.5	46.1
MOMONT												
Chrome	3216	---	---	137	---	---	---	45	7.4	51.5	21.6	46.3
Hybristar	1814	---	---	77	---	---	---	46	7.3	52.4	23.3	44.4
Hybrisurf	1646	---	---	70	---	---	---	42	7.2	49.7	22.1	46.3
Kadore	2538	---	---	108	---	---	---	42	7.5	51.6	22.1	45.4
MH06E10	2509	---	---	107	---	---	---	44	7.5	52.2	21.1	46.2
MH06E11	2414	---	---	103	---	---	---	45	7.2	51.8	21.3	46.4
MH06E4	2824	---	---	120	---	---	---	48	7.1	51.3	20.8	46.9
MH905492	1250	---	---	53	---	---	---	43	7.8	51.4	22.6	46.1
Southern Illinois University												
KSIU331	2421	---	---	103	---	---	---	46	7.4	51.0	21.7	46.5
University of Arkansas												
ARC00005-2	2685	---	---	115	---	---	---	43	7.6	51.0	21.8	45.4
ARC00024-2	2399	---	---	102	---	---	---	51	7.7	51.1	23.7	44.9
ARC2189-2	2656	---	---	113	---	---	---	48	7.3	50.6	21.6	46.2
ARC99009-1	1884	---	---	80	---	---	---	43	7.6	50.7	22.5	46.0

Table 9. Results for the 2010 National Winter Canola Variety Trial at Carbondale, IL

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Virginia State University												
Virginia	2365	---	---	101	---	---	---	43	7.3	50.9	21.1	46.6
Mean	2344	---	---	---	---	---	---	45	7.4	51.4	21.9	46.2
CV	18	---	---	---	---	---	---	10	4.1	1.8	3.8	1.6
LSD (0.05)	675	---	---	---	---	---	---	NS	NS	NS	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.

Monmouth, Illinois

Vince Davis
University of Illinois

Planted: 9/11/2009 at 5 lb/a in 7-in. rows
Harvested: 6/29/2010
Herbicides: 12 oz/a Select Max
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 30-0-0 lb N-P-K fertilizer in fall
80-0-0 lb N-P-K fertilizer in spring
Elevation: 751 ft Latitude: 40° 56'N

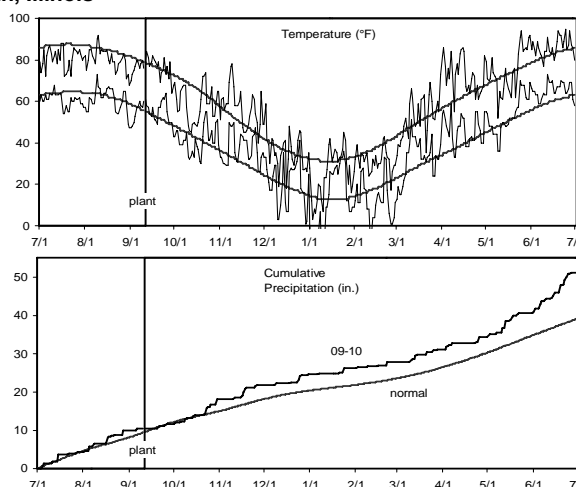


Table 10. Results for the 2010 National Winter Canola Variety Trial at Monmouth, IL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)	
Alabama A&M University												
AAMU-18-07	1395	---	---	101	97	---	41	7.8	49.6	24.6	41.3	
AAMU-33-07	1571	---	---	114	97	---	45	8.4	47.1	24.2	41.0	
Croplan Genetics												
HyClass110W	1419	---	---	103	96	---	47	8.1	50.5	24.5	41.1	
HyClass115W	1279	---	---	93	97	---	45	8.1	49.1	24.0	41.8	
HyClass154W	1521	---	---	110	96	---	52	8.3	50.2	24.2	40.7	
DEKALB												
DKW41-10	1247	---	---	90	98	---	39	8.4	51.7	26.9	37.9	
DKW46-15	1483	---	---	108	97	---	49	7.4	49.2	24.2	41.5	
DKW47-15	1394	---	---	101	97	---	49	7.5	49.4	25.6	40.7	
DL Seeds Inc.												
Baldur	1219	---	---	88	97	---	49	7.9	48.5	22.4	41.1	
Dimension	1159	---	---	84	97	---	47	7.9	49.0	21.7	44.0	
Dynastie	1407	---	---	102	97	---	46	8.0	51.5	22.4	42.4	
Flash	1330	---	---	96	98	---	53	7.9	50.3	23.6	41.4	
Safran	1411	---	---	102	97	---	48	7.8	49.7	24.0	39.6	
Sitro	1504	---	---	109	96	---	50	7.8	51.5	23.5	39.9	
Visby	1558	---	---	113	97	---	48	7.6	50.7	23.7	40.1	
High Plains Crop Development												
HPX-501	1220	---	---	89	96	---	48	7.9	47.7	26.1	40.8	
HPX-6271	1365	---	---	99	98	---	45	8.3	46.9	24.5	41.9	
HPX-7019	1230	---	---	89	97	---	48	7.9	51.0	24.8	40.7	
HPX-7127	1353	---	---	98	97	---	46	8.4	51.1	25.0	41.5	
HPX-7228	1387	---	---	101	97	---	51	8.3	50.5	23.7	40.5	
HPX-7341	1457	---	---	106	98	---	49	7.8	52.2	24.2	42.1	
Kansas State University												
Kiowa	1171	---	---	85	98	---	46	8.4	45.2	25.3	38.3	
KS4022	1351	---	---	98	97	---	46	9.0	50.2	24.6	41.7	
KS4426	1285	---	---	93	95	---	50	8.9	50.1	24.2	41.6	
KS4475	1599	---	---	116	97	---	48	8.4	49.7	24.7	40.2	
Riley	1581	---	---	115	97	---	46	8.0	50.8	23.0	42.6	
Sumner	1351	---	---	98	97	---	44	7.8	51.3	25.5	40.8	
Wichita	1386	---	---	101	96	---	45	8.3	51.2	24.8	41.7	
MOMONT												
Chrome	1540	---	---	112	96	---	47	8.1	51.3	22.4	43.0	
Hybristar	1397	---	---	101	96	---	49	8.2	46.5	23.9	40.1	
Hybrisurf	985	---	---	71	97	---	49	8.0	49.3	23.8	41.7	
Kadore	1565	---	---	114	96	---	45	7.8	50.5	23.0	40.9	
MH06E10	1505	---	---	109	98	---	52	8.1	49.4	24.3	39.4	
MH06E11	1301	---	---	94	98	---	53	7.8	50.5	23.0	42.1	
MH06E4	1481	---	---	107	97	---	49	7.8	50.7	23.8	41.3	
MH905492	988	---	---	72	98	---	49	8.3	48.5	25.0	40.1	

Table 10. Results for the 2010 National Winter Canola Variety Trial at Monmouth, IL

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Southern Illinois University												
KSIU331	1307	---	---	95	97	---	---	53	8.5	47.2	24.4	41.8
University of Arkansas												
ARC00005-2	1711	---	---	124	98	---	---	49	8.8	46.5	23.7	40.9
ARC00024-2	1327	---	---	96	97	---	---	47	8.4	45.7	24.0	40.9
ARC2189-2	1356	---	---	98	98	---	---	52	8.8	45.7	24.7	41.9
ARC99009-1	1182	---	---	86	97	---	---	46	7.9	48.9	24.1	40.0
Virginia State University												
Virginia	1629	---	---	118	97	---	---	42	8.2	49.8	23.9	41.5
Mean	1379	---	---	---	97	---	---	48	8.1	49.4	24.1	41.1
CV	16	---	---	---	1	---	---	7	5.6	5.7	2.3	2.4
LSD (0.05)	NS	---	---	---	NS	---	---	5	0.7	NS	1.1	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.

Urbana, Illinois

Vince Davis
University of Illinois

Planted: 9/10/2009 at 5 lb/a in 7.5-in. rows
Harvested: 6/28/2010
Herbicides: 12 oz/a Select Max
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=17 ppm, K=132 ppm, and pH=6.2
Fertilizer: 30-0-0 lb N-P-K fertilizer in fall
80-0-0 lb N-P-K fertilizer in spring
Soil Type: Elburn silt loam
Elevation: 711 ft Latitude: 40° 4'N

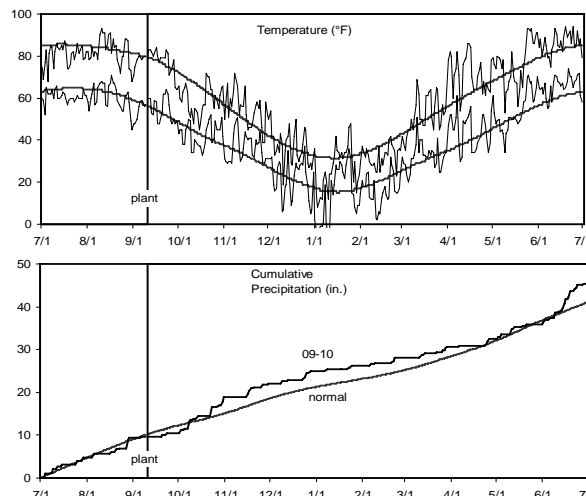


Table 11. Results for the 2010 National Winter Canola Variety Trial at Urbana, IL

Name	Yield (lb/a)			Yield (% of test avg.)			Plant		Test			
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass154W	2173	---	---	109	75	---	---	46	6.9	50.6	23.0	43.8
DEKALB												
DKW41-10	1773	---	---	89	76	---	---	36	7.4	51.8	23.4	43.5
DKW46-15	1318	---	---	66	82	---	---	41	6.5	50.9	22.6	45.8
DKW47-15	1498	---	---	75	90	---	---	43	6.3	50.2	23.5	44.5
DL Seeds Inc.												
Baldur	1527	---	---	76	59	---	---	46	6.8	50.9	21.8	45.0
Dimension	1929	---	---	96	69	---	---	45	7.0	49.5	20.8	47.0
Dynastie	2311	---	---	116	73	---	---	44	6.9	50.9	21.4	45.6
Flash	2700	---	---	135	62	---	---	48	7.0	49.9	21.9	45.7
Safran	2099	---	---	105	80	---	---	45	6.7	51.0	22.2	44.6
Sitro	2524	---	---	126	57	---	---	45	6.9	50.9	20.8	45.4
High Plains Crop Development												
HPX-501	2123	---	---	106	80	---	---	50	7.1	50.1	24.1	44.0
HPX-6271	1696	---	---	85	82	---	---	45	7.4	50.6	23.0	45.1
HPX-7019	2027	---	---	101	75	---	---	47	6.2	51.1	23.3	44.2
HPX-7127	2125	---	---	106	88	---	---	47	7.4	50.5	22.9	45.1
HPX-7228	2291	---	---	115	72	---	---	44	6.8	51.0	22.6	45.2
HPX-7341	1496	---	---	75	87	---	---	45	7.2	50.5	23.0	45.0
Kansas State University												
Kiowa	1660	---	---	83	64	---	---	44	7.1	50.6	23.4	44.0
KS3132	1760	---	---	88	64	---	---	46	7.1	50.2	22.8	44.9
KS3254	1986	---	---	99	72	---	---	47	6.6	50.9	22.9	44.8
KS4022	2163	---	---	108	101	---	---	46	7.6	49.4	23.5	44.4
KS4426	2543	---	---	127	78	---	---	49	6.9	51.0	20.7	46.0
KS4475	1944	---	---	97	72	---	---	47	6.7	50.9	23.0	44.6
Riley	1870	---	---	93	78	---	---	44	6.3	50.8	22.7	45.3
Sumner	1947	---	---	97	67	---	---	44	7.1	51.1	22.0	45.5
Wichita	2236	---	---	112	87	---	---	47	6.8	50.8	23.2	45.0
MOMONT												
Chrome	2594	---	---	130	61	---	---	46	6.9	51.0	21.3	45.9
Kadore	2309	---	---	115	76	---	---	42	6.6	51.5	22.0	43.9
MH06E10	2376	---	---	119	67	---	---	47	6.4	50.8	21.6	45.2
MH06E11	2319	---	---	116	71	---	---	45	6.7	51.3	21.4	45.9
MH06E4	2272	---	---	114	75	---	---	46	6.4	50.1	21.5	45.8
MH905492	1906	---	---	95	64	---	---	43	6.5	48.8	22.2	45.7
Southern Illinois University												
KSIU331	1869	---	---	93	75	---	---	50	6.4	50.5	21.6	46.2

Table 11. Results for the 2010 National Winter Canola Variety Trial at Urbana, IL

Name	Yield (lb/a)			Yield (% of test avg.)			Winter Survival (%)			Plant Height	Moisture	Test	
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	Protein (%)	Oil (%)	
University of Arkansas													
ARC00005-2	2041	---	---	102	69	---	---	46	6.9	50.3	22.8	44.6	
ARC00024-2	1330	---	---	66	71	---	---	49	6.9	50.5	23.2	43.9	
ARC2189-2	1717	---	---	86	65	---	---	47	6.7	49.4	22.6	44.8	
ARC99009-1	1585	---	---	79	65	---	---	44	6.5	51.2	21.7	45.2	
Mean	2001	---	---	---	74	---	---	45	6.8	50.6	22.4	45.0	
CV	20	---	---	---	24	---	---	4	6.9	0.9	3.4	1.6	
LSD (0.05)	651	---	---	---	NS	---	---	3	NS	0.7	1.6	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.

Columbia City, Indiana

Shaun Casteel
Purdue University

Planted: 9/10/2009 at 5 lb/a in 6-in. rows
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 30-60-60 lb N-P-K fertilizer in fall
120-0-0 lb N-P-K fertilizer in spring
Soil Type: Blount silt loam
Elevation: 837 ft Latitude: 41° 6'N
Comments: Because of delayed harvest from saturated field conditions, yield was severely reduced by lodging and shattering.

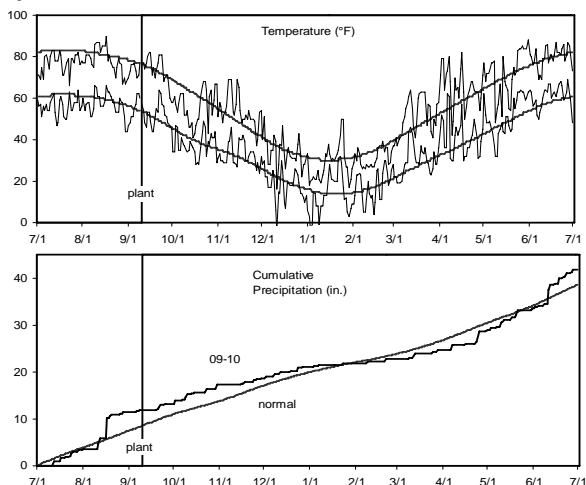


Table 12. Results for the 2010 National Winter Canola Variety Trial at Columbia City, IN

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	431	1486	958	51	---	---	---	41	7.0	46.8	28.9	36.1
AAMU-33-07	731	1800	1265	86	---	---	---	43	6.3	47.0	29.2	36.1
Croplan Genetics												
HyClass110W	844	1970	1407	99	---	---	---	44	5.9	47.2	30.3	35.9
HyClass115W	577	1470	1024	68	---	---	---	47	6.3	47.3	29.5	36.9
HyClass154W	491	2344	1417	58	---	---	---	46	6.2	47.6	29.2	35.3
DEKALB												
DKW41-10	998	1637	1317	118	---	---	---	39	6.4	49.3	31.6	34.9
DKW46-15	885	1745	1315	104	---	---	---	46	5.8	46.3	27.3	38.9
DKW47-15	566	2196	1381	67	---	---	---	47	5.8	47.1	29.2	36.3
DL Seeds Inc.												
Baldur	860	1936	1398	101	---	---	---	49	6.3	48.2	27.4	36.7
Dimension	896	2172	1534	106	---	---	---	48	5.7	46.3	27.3	38.9
Dynastie	1133	---	---	134	---	---	---	47	5.8	48.8	28.0	37.2
Flash	937	2363	1650	110	---	---	---	51	6.3	47.8	28.1	36.6
Safran	1413	2694	2053	167	---	---	---	49	5.6	49.3	26.7	39.3
Sitro	963	2377	1670	114	---	---	---	49	5.9	48.7	27.4	37.5
Visby	803	2271	1537	95	---	---	---	48	5.9	47.7	26.7	38.5
High Plains Crop Development												
HPX-501	805	2196	1501	95	---	---	---	48	6.3	48.5	30.2	36.5
HPX-6271	966	1936	1451	114	---	---	---	50	5.9	48.0	28.6	37.4
HPX-7019	774	---	---	91	---	---	---	51	5.8	48.0	27.8	37.3
HPX-7127	796	---	---	94	---	---	---	50	5.8	47.7	28.1	37.1
HPX-7228	748	---	---	88	---	---	---	47	6.1	47.7	28.5	36.3
HPX-7341	733	---	---	86	---	---	---	50	5.9	48.4	28.0	37.8
Kansas State University												
Kiowa	741	2129	1435	87	---	---	---	48	6.2	48.2	28.9	37.2
KS4022	946	1937	1442	112	---	---	---	49	6.0	48.0	28.2	38.3
KS4426	987	---	---	116	---	---	---	51	6.9	48.3	27.4	38.0
KS4475	988	---	---	116	---	---	---	52	6.0	48.2	29.4	37.4
Riley	708	2262	1485	83	---	---	---	48	5.6	47.5	27.4	38.7
Sumner	976	2269	1623	115	---	---	---	47	5.6	49.5	27.7	39.5
Wichita	938	2241	1589	111	---	---	---	47	5.9	49.1	28.8	38.1
MOMONT												
Chrome	1185	---	---	140	---	---	---	49	5.8	48.1	24.9	41.5
Hybristar	839	2322	1581	99	---	---	---	50	5.7	47.2	26.4	40.0
Hybrisurf	918	2198	1558	108	---	---	---	48	5.9	49.1	25.6	40.8
Kadore	970	2478	1724	114	---	---	---	43	6.1	47.6	27.6	37.4
MH06E10	834	---	---	98	---	---	---	47	6.2	47.5	28.5	36.1
MH06E11	922	---	---	109	---	---	---	50	5.8	48.3	28.1	37.9
MH06E4	796	---	---	94	---	---	---	48	5.9	48.3	27.7	37.4
MH905492	775	---	---	91	---	---	---	48	6.1	44.5	29.1	35.8

Table 12. Results for the 2010 National Winter Canola Variety Trial at Columbia City, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	880	---	---	104	---	---	---	50	6.1	47.9	27.6	38.2
University of Arkansas												
ARC00005-2	808	1884	1346	95	---	---	---	51	5.9	47.2	27.7	37.5
ARC00024-2	719	2156	1437	85	---	---	---	53	5.9	47.4	29.1	36.7
ARC2189-2	939	1711	1325	111	---	---	---	51	5.9	47.4	27.9	38.8
ARC99009-1	582	---	---	69	---	---	---	51	6.3	47.5	27.9	37.3
Virginia State University												
Virginia	831	1883	1357	98	---	---	---	41	6.2	47.1	29.0	36.2
Mean	848	2079	---	---	---	---	---	48	6.0	47.8	28.2	37.5
CV	32	10	---	---	---	---	---	4	8.2	1.7	4.4	4.1
LSD (0.05)	NS	333	---	---	---	---	---	4	NS	1.3	2.5	3.1

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.

Throckmorton, Indiana

Shaun Casteel
Purdue University

Planted: 9/15/2009 at 5 lb/a in 6-in. rows
Irrigation: None
Previous Crop: Soybean
Soil Test: NA
Fertilizer: 30-60-60 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

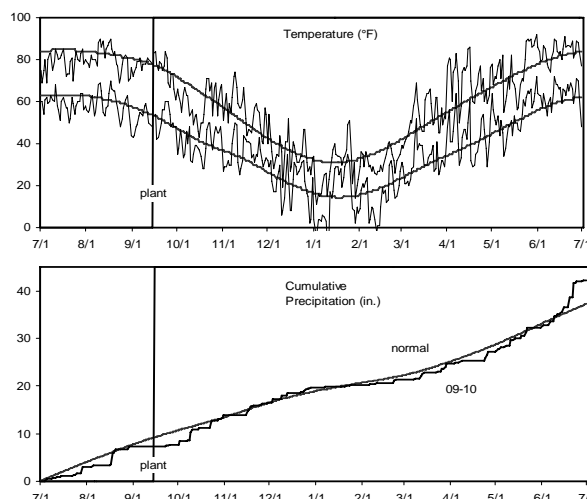


Table 13. Results for the 2010 National Winter Canola Variety Trial at Throckmorton, IN

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass154W	1625	---	---	97	---	---	---	55	6.8	61.6	23.9	43.1
DEKALB												
DKW41-10	1442	---	---	86	---	---	---	48	5.0	63.1	27.6	38.9
DKW46-15	1557	---	---	93	---	---	---	51	3.9	31.5	24.4	43.6
DKW47-15	1490	---	---	89	---	---	---	55	3.7	0.0	25.8	41.9
DL Seeds Inc.												
Baldur	1732	---	---	103	---	---	---	55	5.9	62.4	22.8	42.8
Dimension	1604	---	---	96	---	---	---	53	6.5	61.8	22.3	45.3
Dynastie	2107	---	---	126	---	---	---	52	6.3	62.4	22.8	43.6
Flash	1839	---	---	110	---	---	---	56	7.0	60.9	24.3	42.6
Safran	2102	---	---	125	---	---	---	55	6.1	62.4	23.6	42.6
Sitro	1752	---	---	104	---	---	---	55	5.9	62.3	22.4	43.5
High Plains Crop Development												
HPX-501	1767	---	---	105	---	---	---	52	5.4	62.9	24.3	43.6
HPX-6271	1639	---	---	98	---	---	---	52	5.3	62.8	23.8	44.2
HPX-7019	1267	---	---	75	---	---	---	56	5.4	30.1	25.4	42.2
HPX-7127	1819	---	---	108	---	---	---	54	7.6	61.0	25.6	42.1
HPX-7228	1437	---	---	86	---	---	---	52	3.9	31.3	23.5	43.4
HPX-7341	1469	---	---	88	---	---	---	52	5.3	62.7	25.1	42.7
Kansas State University												
Kiowa	1283	---	---	76	---	---	---	57	4.2	41.7	24.8	41.9
KS3132	1581	---	---	94	---	---	---	52	6.0	62.2	24.3	42.6
KS3254	1896	---	---	113	---	---	---	55	8.1	60.3	25.1	42.1
KS4022	1588	---	---	95	---	---	---	54	7.5	60.9	24.6	42.5
KS4426	2006	---	---	120	---	---	---	56	8.5	60.1	23.9	43.1
KS4475	1862	---	---	111	---	---	---	58	7.8	60.7	26.3	40.6
Riley	1371	---	---	82	---	---	---	55	5.7	62.6	23.9	44.0
Sumner	1434	---	---	85	---	---	---	53	4.2	42.4	24.6	43.5
Wichita	1920	---	---	114	---	---	---	54	6.0	62.1	25.5	42.5
MOMONT												
Chrome	2159	---	---	129	---	---	---	55	7.9	61.3	23.4	43.7
Kadore	1800	---	---	107	---	---	---	54	6.0	62.3	25.0	41.0
MH06E10	1497	---	---	89	---	---	---	58	6.1	62.0	24.0	42.4
MH06E11	1672	---	---	100	---	---	---	56	5.9	62.6	23.0	43.7
MH06E4	2109	---	---	126	---	---	---	51	7.1	61.9	22.3	44.2
MH905492	1196	---	---	71	---	---	---	55	3.5	0.0	24.0	43.6
Southern Illinois University												
KSIU331	1729	---	---	103	---	---	---	57	7.4	61.1	24.9	42.8

Table 13. Results for the 2010 National Winter Canola Variety Trial at Throckmorton, IN

Name	Yield (lb/a)			Yield (% of test avg.)			Winter Survival (%)			Plant Height	Moisture	Test	
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	Weight (lb/bu)	Protein (%)	Oil (%)	
University of Arkansas													
ARC00005-2	2032	---	---	121	---	---	---	56	8.0	60.2	24.6	42.4	
ARC00024-2	1729	---	---	103	---	---	---	58	8.7	59.7	25.0	41.6	
ARC2189-2	1626	---	---	97	---	---	---	57	5.9	62.4	24.5	42.8	
ARC99009-1	1264	---	---	75	---	---	---	53	4.4	20.8	24.4	42.4	
Mean	1678	---	---	---	---	---	---	54	6.1	53.5	24.3	42.8	
CV	18	---	---	---	---	---	---	6	21.3	28.5	3.1	1.9	
LSD (0.05)	530	---	---	---	---	---	---	NS	2.3	27.2	1.5	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.

Vincennes, Indiana

Chuck Mansfield and Shaun Casteel
Purdue University

Planted: 9/17/2009 at 5 lb/a in 6-in. rows
Herbicides: 1 qt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Watermelon
Soil Test: NA
Fertilizer: 0-60-60 lb N-P-K fertilizer in fall
120-0-0 lb N-P-K fertilizer in spring
Soil Type: Lomax clay loam
Elevation: 446 ft Latitude: 38° 40'N

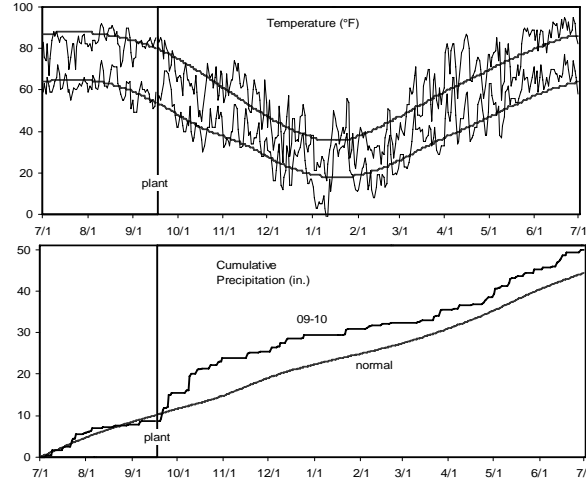


Table 14. Results for the 2010 National Winter Canola Variety Trial at Vincennes, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant		Test		
	2010	2009	2-Yr.		2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1348	1061	1204	70	---	---	---	50	6.9	61.1	26.4	41.9
AAMU-33-07	1452	2091	1771	76	---	---	---	55	7.7	60.0	25.9	41.6
Croplan Genetics												
HyClass110W	1548	2189	1869	81	---	---	---	51	9.4	57.8	27.8	40.1
HyClass115W	1400	1833	1617	73	---	---	---	53	8.0	59.8	27.5	40.5
HyClass154W	2168	1847	2007	113	---	---	---	59	9.1	58.9	26.6	40.1
DEKALB												
DKW41-10	1336	2049	1692	70	---	---	---	51	8.3	58.9	28.0	40.0
DKW46-15	986	1745	1365	52	---	---	---	50	8.2	59.0	26.7	41.6
DKW47-15	1405	1924	1665	73	---	---	---	54	8.5	58.9	27.9	40.7
DL Seeds Inc.												
Baldur	1542	2330	1936	81	---	---	---	56	8.5	59.1	25.0	41.7
Dimension	2097	1875	1986	110	---	---	---	57	9.3	58.6	24.4	43.6
Dynastie	2211	---	---	116	---	---	---	56	8.3	60.1	24.4	42.4
Flash	2558	2526	2542	134	---	---	---	61	8.7	59.7	25.8	41.8
Safran	2479	2331	2405	130	---	---	---	55	8.5	59.9	25.5	41.3
Sitro	2729	2722	2725	143	---	---	---	58	8.2	60.5	25.0	41.5
Visby	1958	2466	2212	102	---	---	---	56	8.3	59.7	24.3	41.9
High Plains Crop Development												
HPX-501	2057	2533	2295	108	---	---	---	61	8.4	59.9	27.5	41.2
HPX-6271	1866	2174	2020	98	---	---	---	56	8.4	60.0	26.8	41.8
HPX-7019	1680	---	---	88	---	---	---	58	9.0	58.4	26.9	40.9
HPX-7127	2079	---	---	109	---	---	---	57	9.1	58.9	26.1	41.8
HPX-7228	1670	---	---	87	---	---	---	54	8.7	59.2	26.3	41.6
HPX-7341	1886	---	---	99	---	---	---	58	8.4	59.6	27.2	41.3
Kansas State University												
Kiowa	1936	1887	1912	101	---	---	---	60	8.7	59.3	27.3	40.3
KS4022	2133	2075	2104	112	---	---	---	58	9.2	58.6	27.1	41.3
KS4426	2028	---	---	106	---	---	---	58	9.3	58.4	26.4	41.6
KS4475	2139	---	---	112	---	---	---	57	9.5	58.0	27.8	40.5
Riley	1772	2192	1982	93	---	---	---	55	8.5	59.5	26.5	42.3
Sumner	1764	2082	1923	92	---	---	---	58	7.9	60.2	27.2	41.9
Wichita	1863	2134	1999	97	---	---	---	57	8.3	59.6	26.7	41.4
MOMONT												
Chrome	2258	---	---	118	---	---	---	57	8.5	59.8	24.8	42.6
Hybristar	2405	1865	2135	126	---	---	---	58	8.7	59.6	26.3	41.4
Hybrisurf	1683	2040	1861	88	---	---	---	53	9.4	57.8	24.6	43.5
Kadore	1912	2296	2104	100	---	---	---	50	8.8	59.3	26.1	39.6
MH06E10	1946	---	---	102	---	---	---	60	8.5	59.4	25.5	41.4
MH06E11	1954	---	---	102	---	---	---	58	9.5	57.5	24.7	43.3
MH06E4	2464	---	---	129	---	---	---	59	8.6	59.9	25.5	41.8
MH905492	1252	---	---	65	---	---	---	56	8.0	59.0	26.4	41.3

Table 14. Results for the 2010 National Winter Canola Variety Trial at Vincennes, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	1893	---	---	99	---	---	---	60	8.7	59.1	26.4	41.7
University of Arkansas												
ARC00005-2	1976	1973	1974	103	---	---	---	58	9.5	57.9	26.4	41.0
ARC00024-2	2321	1826	2074	121	---	---	---	61	9.3	58.5	26.7	39.7
ARC2189-2	2221	2104	2162	116	---	---	---	62	8.9	59.3	26.9	40.6
ARC99009-1	1968	---	---	103	---	---	---	59	8.5	59.6	26.5	41.0
Virginia State University												
Virginia	1974	2086	2030	103	---	---	---	54	9.4	58.1	27.4	40.3
Mean	1912	2055	---	---	---	---	---	57	8.7	59.2	26.3	41.4
CV	16	13	---	---	---	---	---	5	9.2	2.2	1.9	1.3
LSD (0.05)	490	446	---	---	---	---	---	4	1.3	NS	1.0	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.

East Lansing, Michigan

Russ Freed
Michigan State University

Planted: 9/14/2009 at 7 lb/a in 6-in. rows
Harvested: 7/30/2010
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 12-48-48 lb N-P-K fertilizer in fall
Soil Type: Capac loam
Elevation: 880 ft Latitude: 42° 40'N

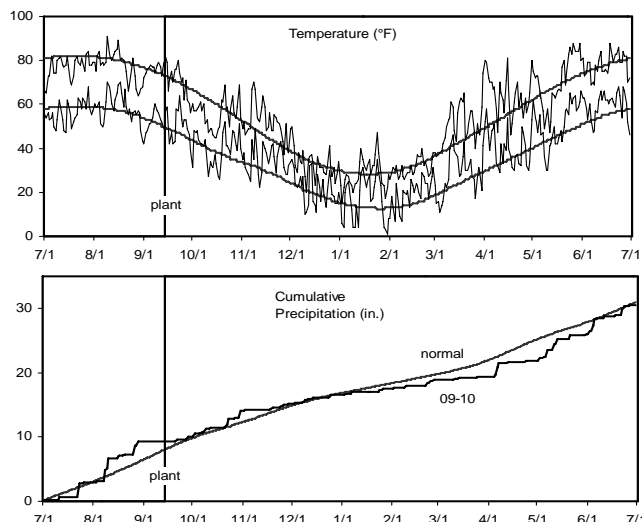


Table 15. Results for the 2010 National Winter Canola Variety Trial at East Lansing, MI

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1659	---	---	81	93	---	---	45	---	---	25.2	42.7
AAMU-33-07	1984	---	---	97	93	---	---	48	---	---	25.5	42.1
Croplan Genetics												
HyClass110W	1860	---	---	91	93	---	---	49	---	---	26.4	41.7
HyClass115W	2146	---	---	104	93	---	---	50	---	---	26.8	42.1
HyClass154W	2205	---	---	107	93	---	---	48	---	---	25.3	42.9
DEKALB												
DKW41-10	1463	---	---	71	95	---	---	38	---	---	27.6	41.4
DKW46-15	1694	---	---	82	93	---	---	50	---	---	24.4	44.4
DKW47-15	1223	---	---	60	93	---	---	46	---	---	25.1	43.9
DL Seeds Inc.												
Baldur	1819	---	---	89	93	---	---	52	---	---	23.8	43.7
Dimension	2185	---	---	106	95	---	---	48	---	---	22.9	45.9
Dynastie	2725	---	---	133	95	---	---	49	---	---	23.5	43.6
Flash	2201	---	---	107	92	---	---	52	---	---	23.0	45.2
Safran	2381	---	---	116	92	---	---	51	---	---	23.6	43.8
Sitro	2437	---	---	119	93	---	---	51	---	---	24.8	42.2
Visby	2344	---	---	114	90	---	---	50	---	---	23.4	43.6
High Plains Crop Development												
HPX-501	1760	---	---	86	95	---	---	54	---	---	26.4	43.0
HPX-6271	2009	---	---	98	95	---	---	51	---	---	26.4	42.4
HPX-7019	1972	---	---	96	93	---	---	57	---	---	25.0	43.4
HPX-7127	1675	---	---	82	93	---	---	52	---	---	25.1	43.2
HPX-7228	1888	---	---	92	95	---	---	49	---	---	24.6	43.5
HPX-7341	2218	---	---	108	93	---	---	52	---	---	25.8	42.9
Kansas State University												
Kiowa	1932	---	---	94	95	---	---	50	---	---	26.4	42.3
KS3132	1838	---	---	89	92	---	---	44	---	---	25.0	43.4
KS3254	1963	---	---	96	92	---	---	47	---	---	24.7	43.7
KS4426	2214	---	---	108	90	---	---	53	---	---	25.1	43.4
KS4475	2211	---	---	108	93	---	---	52	---	---	25.4	42.6
Riley	1995	---	---	97	92	---	---	47	---	---	25.4	43.6
Sumner	1800	---	---	88	95	---	---	50	---	---	26.4	42.6
Wichita	2100	---	---	102	95	---	---	53	---	---	27.3	42.4

Table 15. Results for the 2010 National Winter Canola Variety Trial at East Lansing, MI

Name	Yield (lb/a)			Yield (% of test avg.)			Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Weight (lb/bu)	Protein (%)			Oil (%)		
MOMONT														
Chrome	2248	---	---	109	93	---	---	47	---	---	23.8	44.1		
Hybristar	2156	---	---	105	92	---	---	50	---	---	25.3	43.5		
Hybrisurf	2723	---	---	133	95	---	---	51	---	---	24.7	44.2		
Kadore	2306	---	---	112	95	---	---	47	---	---	24.6	42.3		
MH06E10	2163	---	---	105	93	---	---	50	---	---	24.2	43.4		
MH06E11	2014	---	---	98	93	---	---	47	---	---	23.5	44.5		
MH06E4	2003	---	---	97	92	---	---	50	---	---	24.0	43.9		
MH905492	2446	---	---	119	93	---	---	54	---	---	25.9	42.5		
University of Arkansas														
ARC00005-2	1986	---	---	97	93	---	---	53	---	---	25.9	42.1		
ARC00024-2	2292	---	---	112	92	---	---	50	---	---	25.6	42.2		
ARC2189-2	1635	---	---	80	95	---	---	50	---	---	26.2	41.9		
ARC99009-1	2061	---	---	100	93	---	---	51	---	---	25.3	42.7		
Virginia State University														
Virginia	2340	---	---	114	95	---	---	45	---	---	26.2	41.3		
Mean	2054	---	---	---	138	---	---	49	---	---	25.1	43.1		
LSD (0.05)	525	---	---	---	4	---	---	7	---	---	1.5	1.6		
CV	16	---	---	---	2	---	---	6	---	---	3.0	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.

Custar, Ohio

Edwin Lentz
The Ohio State University

Planted: 9/2/2009 at 6 lb/a in 7-in. rows
Harvested: 7/7/2010
Herbicides: 5 oz/a Select
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=37, K=191, and pH=6.6
Fertilizer: 30-78-78 lb N-P-K fertilizer in fall
100-0-0 lb N-P-K fertilizer in spring
Soil Type: Hoytville clay
Elevation: 797 ft Latitude: 41° 13'N

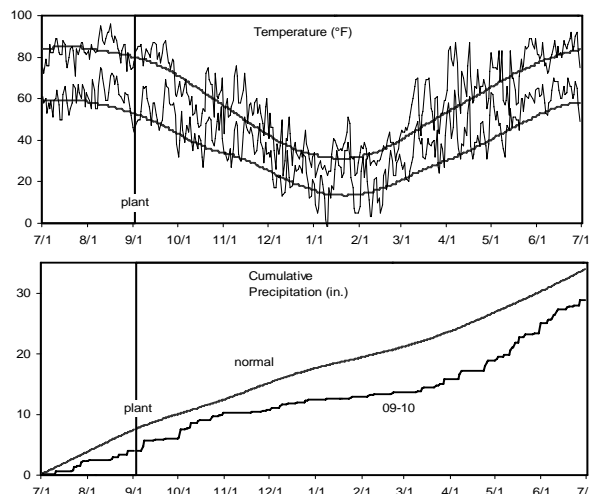


Table 16. Results for the 2010 National Winter Canola Variety Trial at Custar, OH

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2265	3750	3007	66	88	98	93	35	---	---	---	---
AAMU-33-07	3452	4255	3854	100	84	98	91	40	---	---	---	---
Croplan Genetics												
HyClass110W	3583	---	---	104	77	---	---	37	---	---	---	---
HyClass115W	3431	---	---	99	85	---	---	39	---	---	---	---
HyClass154W	3644	4106	3875	106	76	99	87	44	---	---	---	---
DEKALB												
DKW41-10	2833	3408	3121	82	79	99	89	36	---	---	---	---
DKW46-15	2215	2771	2493	64	80	100	90	40	---	---	---	---
DKW47-15	3025	3511	3268	88	79	98	89	42	---	---	---	---
DL Seeds Inc.												
Baldur	2875	4174	3524	83	80	99	90	40	---	---	---	---
Dimension	3734	4118	3926	108	78	99	88	43	---	---	---	---
Dynastie	4015	---	---	116	84	---	---	40	---	---	---	---
Flash	3807	3850	3828	110	80	100	90	42	---	---	---	---
Sitro	4213	4288	4251	122	81	99	90	42	---	---	---	---
Visby	3572	4162	3867	103	79	98	89	41	---	---	---	---
High Plains Crop Development												
HPX-501	2548	4235	3391	74	80	99	90	41	---	---	---	---
HPX-6271	3792	4515	4154	110	82	99	91	43	---	---	---	---
HPX-7019	3192	---	---	92	81	---	---	44	---	---	---	---
HPX-7127	3705	---	---	107	79	---	---	44	---	---	---	---
HPX-7228	3320	---	---	96	87	---	---	40	---	---	---	---
HPX-7341	3382	---	---	98	80	---	---	42	---	---	---	---
Kansas State University												
Kiowa	3407	4056	3731	99	76	99	88	44	---	---	---	---
KS4022	3623	3731	3677	105	76	98	87	44	---	---	---	---
KS4426	3712	---	---	107	79	---	---	43	---	---	---	---
KS4475	2285	---	---	66	78	---	---	43	---	---	---	---
Riley	3539	4335	3937	102	78	98	88	44	---	---	---	---
Sumner	3154	3729	3441	91	84	99	92	39	---	---	---	---
Wichita	3667	3886	3776	106	84	99	91	40	---	---	---	---
MOMONT												
Chrome	4267	---	---	124	79	---	---	43	---	---	---	---
Hybristar	3413	4278	3845	99	78	98	88	42	---	---	---	---
Hybrisurf	3830	4415	4123	111	81	97	89	42	---	---	---	---
Kadore	3805	4810	4307	110	81	99	90	41	---	---	---	---
MH06E10	3601	---	---	104	82	---	---	41	---	---	---	---
MH06E11	4142	---	---	120	81	---	---	42	---	---	---	---
MH06E4	4222	---	---	122	84	---	---	44	---	---	---	---
MH905492	2418	---	---	70	83	---	---	41	---	---	---	---

Table 16. Results for the 2010 National Winter Canola Variety Trial at Custer, OH

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	3547	---	---	103	80	---	---	45	---	---	---	---
University of Arkansas												
ARC00005-2	4009	4167	4088	116	81	99	90	43	---	---	---	---
ARC00024-2	3191	3868	3530	92	80	99	90	39	---	---	---	---
ARC2189-2	3719	3957	3838	108	82	98	90	43	---	---	---	---
ARC99009-1	3946	---	---	114	84	---	---	41	---	---	---	---
Virginia State University												
Virginia	3489	3876	3683	101	85	99	92	36	---	---	---	---
Mean	3453	4042	---	---	81	99	---	41	---	---	---	---
CV	18	9	---	---	4	2	---	4	---	---	---	---
LSD (0.05)	1013	579	---	---	6	NS	---	3	---	---	---	---

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.

Edwin Lentz
The Ohio State University

Planted: 9/4/2009 at 6 lb/a in 7-in. rows
Harvested: 7/6/2010
Herbicides: 5 oz/a Select
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=42, K=129, and pH=6.8
Fertilizer: 27-69-90 lb N-P-K fertilizer in fall
100-0-0 lb N-P-K fertilizer in spring
Soil Type: Hoytville silty clay loam
Elevation: 636 ft Latitude: 41° 21'N

Fremont, Ohio

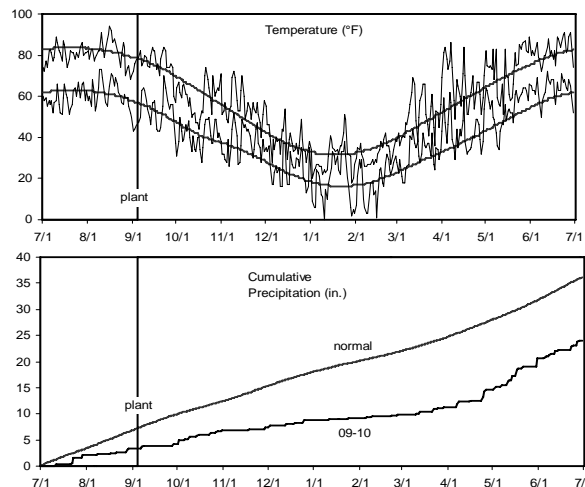


Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH

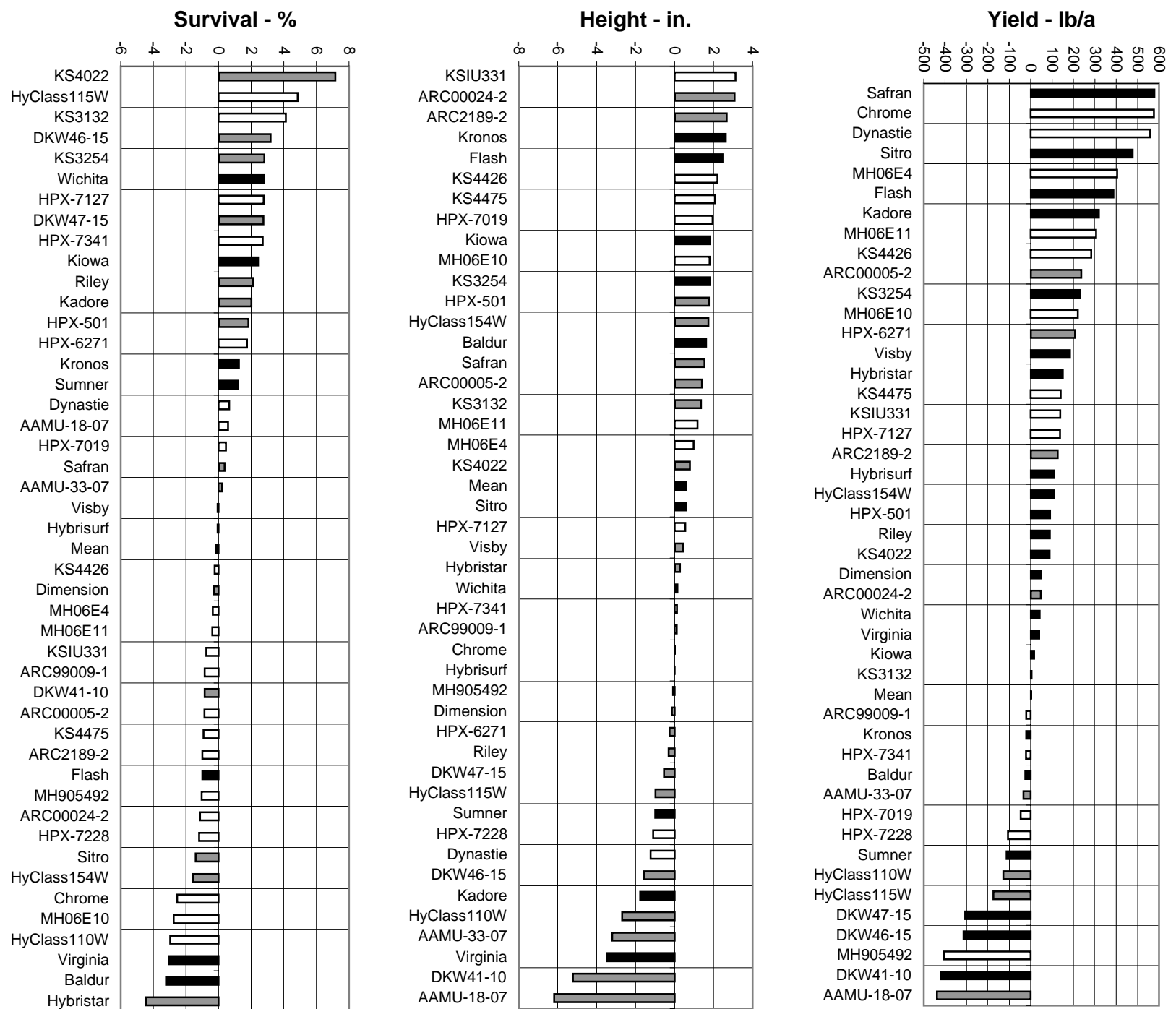
Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1836	1845	1841	105	98	96	97	37	---	---	22.8	44.6
AAMU-33-07	1565	2488	2026	90	99	97	98	36	---	---	22.9	44.3
Croplan Genetics												
HyClass110W	1404	---	---	81	99	---	---	38	---	---	24.1	42.4
HyClass115W	1278	---	---	73	99	---	---	42	---	---	24.0	43.9
HyClass154W	1764	2497	2130	101	97	96	97	45	---	---	23.2	43.5
DEKALB												
DKW41-10	1134	---	---	65	99	---	---	38	---	---	24.0	42.5
DKW46-15	1520	---	---	87	98	---	---	43	---	---	22.6	45.1
DKW47-15	1614	---	---	93	100	---	---	43	---	---	23.5	43.4
DL Seeds Inc.												
Baldur	1579	2608	2093	91	98	92	95	45	---	---	21.4	44.8
Dimension	1454	2499	1977	83	99	97	98	44	---	---	21.1	46.9
Dynastie	2925	---	---	168	99	---	---	43	---	---	20.7	45.8
Flash	2775	2805	2790	159	99	90	95	46	---	---	22.2	44.8
Safran	2717	3043	2880	156	100	96	98	45	---	---	21.6	44.7
Sitro	2360	3341	2850	135	100	98	99	44	---	---	21.2	44.5
Visby	1906	2435	2171	109	99	96	97	46	---	---	20.6	45.3
Kansas State University												
Kiowa	1537	2453	1995	88	99	97	98	47	---	---	23.5	43.5
KS4022	1559	2060	1809	89	99	91	95	45	---	---	23.4	43.6
KS4426	1639	---	---	94	100	---	---	46	---	---	22.5	44.4
KS4475	1819	---	---	104	98	---	---	46	---	---	23.6	43.7
Riley	1324	2071	1698	76	99	98	99	43	---	---	22.8	44.5
Sumner	1517	2247	1882	87	99	95	97	43	---	---	23.5	44.0
Wichita	1827	2882	2355	105	99	96	98	44	---	---	23.9	43.0
MOMONT												
Chrome	1909	---	---	110	99	---	---	44	---	---	21.4	45.5
Hybristar	2176	2874	2525	125	100	96	98	44	---	---	22.3	44.5
Hybrisurf	1820	3059	2440	104	98	96	97	42	---	---	22.6	45.4
Kadore	1532	2402	1967	88	97	88	93	41	---	---	21.7	43.9
MH06E10	1666	---	---	96	100	---	---	48	---	---	21.4	44.6
MH06E11	1850	---	---	106	98	---	---	46	---	---	21.9	44.7
MH06E4	1552	---	---	89	99	---	---	44	---	---	21.3	45.4
MH905492	1534	---	---	88	100	---	---	45	---	---	23.6	44.7
Southern Illinois University												
KSIU331	1838	---	---	105	98	---	---	46	---	---	22.3	44.6
University of Arkansas												
ARC00005-2	1551	2123	1837	89	100	91	96	46	---	---	22.9	44.1
ARC00024-2	1513	2209	1861	87	100	90	95	45	---	---	23.1	43.0
ARC2189-2	1545	2334	1940	89	100	92	96	44	---	---	23.6	43.5
ARC99009-1	1603	---	---	92	99	---	---	44	---	---	22.6	43.9

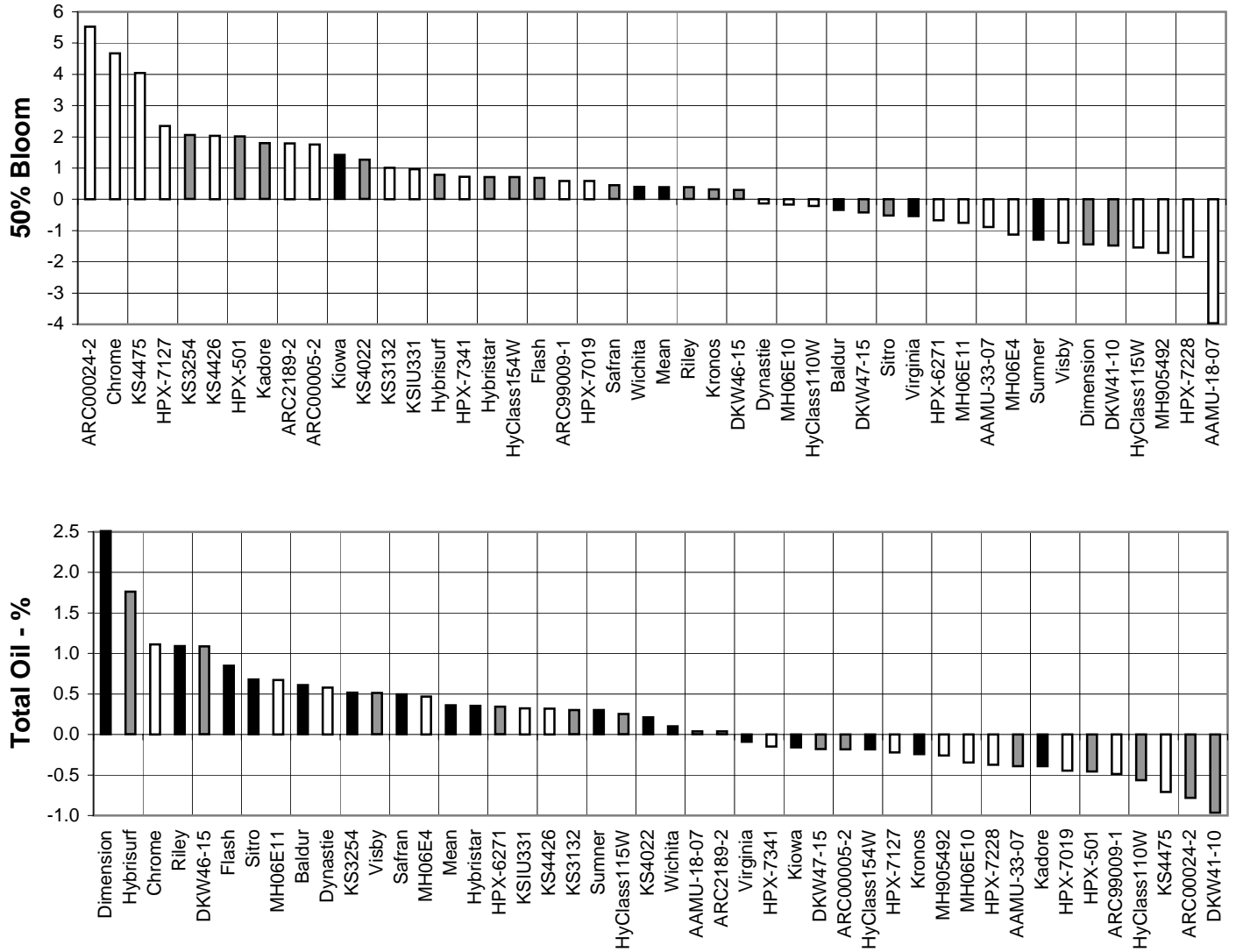
Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2009	2-Yr.			Weight (lb/bu)	Protein (%)	Oil (%)
Virginia State University												
Virginia	1597	2463	2030	92	100	98	99	39	---	---	22.5	44.6
Mean	1743	2489	---	---	99	94	---	44	---	---	22.6	44.3
CV	21	15	---	---	1	6	---	6	---	---	2.5	1.1
LSD (0.05)	598	621	---	---	NS	NS	---	4	---	---	1.2	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.

Figure 2. Midwest Winter Canola Summary, 2005-2010.





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).

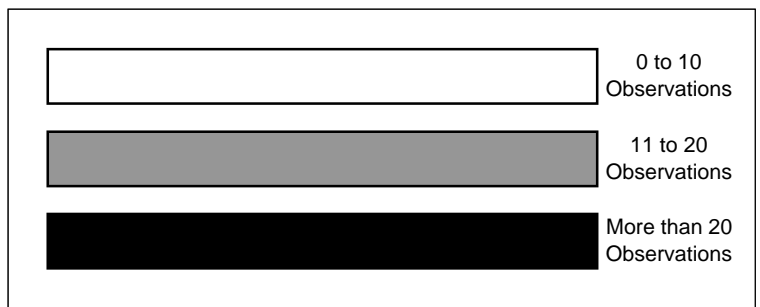


Figure 2. Midwest Winter Canola Summary, 2005-2010 (continued).

Fruita, Colorado

Calvin Pearson
Colorado State University

Planted: 9/3/2009 at 5 lb/a in 30-in. rows
Harvested: 7/15/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: Yes
Previous Crop: Oats
Soil Test: NA
Fertilizer: 36-92-0 lb N-P-K fertilizer in fall
50-0-0 lb N-P-K fertilizer in spring
Soil Type: Fruita silty clay loam
Elevation: 4585 ft Latitude: 39° 11'N

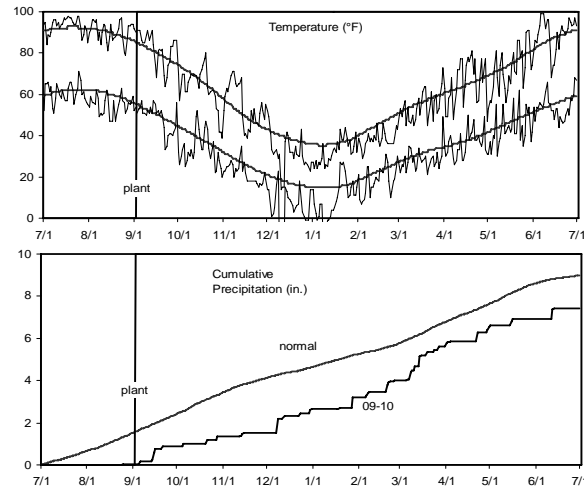


Table 18. Results for the 2010 National Winter Canola Variety Trial at Fruita, CO

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2288	3553	2920	92	95	---	---	39	7.8	46.9	24.9	43.2
AAMU-33-07	2562	3625	3093	103	98	---	---	42	8.3	47.9	22.3	46.1
Croplan Genetics												
HyClass110W	1632	2925	2278	66	82	---	---	40	8.7	47.7	25.5	42.6
HyClass115W	2256	3367	2811	91	100	---	---	40	6.8	47.5	24.1	44.8
HyClass154W	2556	3242	2899	103	98	---	---	42	7.7	48.5	23.6	44.6
DEKALB												
DKW41-10	1959	2975	2467	79	98	---	---	34	5.4	48.8	26.1	42.3
DKW46-15	2188	3214	2701	88	97	---	---	41	5.0	48.7	22.8	46.5
DKW47-15	2022	3342	2682	81	95	---	---	43	5.7	44.8	24.8	43.7
DL Seeds Inc.												
Baldur	2293	3249	2771	92	100	---	---	43	7.5	49.6	22.7	44.5
Dimension	2738	3358	3048	110	100	---	---	42	8.2	49.6	21.9	47.3
Dynastie	2722	---	---	110	100	---	---	43	6.4	49.2	23.6	44.8
Flash	2926	3701	3314	118	100	---	---	48	7.1	49.7	23.7	45.8
Safran	2596	3741	3168	105	92	---	---	42	8.5	47.3	24.4	43.1
Sitro	2749	4257	3503	111	97	---	---	45	5.7	49.1	21.7	45.5
Visby	3009	---	---	121	100	---	---	41	6.4	48.1	23.3	44.2
High Plains Crop Development												
HPX-501	2653	3000	2827	107	100	---	---	44	6.1	48.2	25.7	43.6
HPX-6271	2427	3052	2739	98	100	---	---	42	6.5	48.5	25.9	44.0
HPX-7019	1875	---	---	76	92	---	---	41	7.8	45.9	24.7	43.3
HPX-7127	2708	---	---	109	95	---	---	45	7.5	47.8	23.9	44.7
HPX-7228	2715	---	---	109	93	---	---	43	6.7	49.7	23.8	44.2
HPX-7341	2682	---	---	108	100	---	---	41	6.5	46.7	24.2	44.0
Kansas State University												
Kiowa	2331	2806	2569	94	97	---	---	46	6.5	48.2	24.8	43.1
KS3254	2550	3156	2853	103	100	---	---	42	7.9	49.0	23.3	44.8
KS4022	2428	2968	2698	98	98	---	---	43	5.8	46.2	25.8	41.7
KS4426	2774	---	---	112	100	---	---	47	5.8	49.1	23.3	44.3
KS4475	1953	---	---	79	97	---	---	43	8.4	46.1	24.1	44.5
Riley	2515	3232	2873	101	98	---	---	43	7.4	48.5	24.2	44.8
Sumner	2214	2897	2556	89	98	---	---	42	5.7	49.3	24.5	44.6
Wichita	2443	2877	2660	98	98	---	---	40	6.8	48.0	24.2	44.8
MOMONT												
Chrome	2975	---	---	120	98	---	---	42	8.2	47.8	23.9	44.2
Hybristar	2481	3184	2833	100	97	---	---	42	6.4	46.8	24.3	43.4
Hybrisurf	3090	4043	3566	125	100	---	---	44	7.5	49.5	21.0	48.0
Kadore	2618	3490	3054	106	98	---	---	38	6.9	49.1	23.2	44.4
MH06E10	3056	---	---	123	100	---	---	43	7.4	49.8	23.2	44.8
MH06E11	3391	---	---	137	98	---	---	47	5.7	49.5	22.4	45.3
MH06E4	3629	---	---	146	100	---	---	47	5.9	50.5	23.5	44.9
MH905492	1977	---	---	80	85	---	---	40	7.8	47.4	24.8	44.1

Table 18. Results for the 2010 National Winter Canola Variety Trial at Fruita, CO

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
University of Arkansas												
ARC00005-2	1985	3101	2543	80	97	---	---	42	9.9	47.3	22.7	45.3
ARC00024-2	2173	2607	2390	88	92	---	---	45	8.3	47.8	25.4	42.2
ARC2189-2	1546	2768	2157	62	82	---	---	47	10.8	46.3	24.5	43.3
ARC99009-1	2393	---	---	96	97	---	---	44	7.0	49.2	24.6	44.5
Virginia State University												
Virginia	2120	3405	2762	85	87	---	---	41	10.1	47.1	24.0	43.5
Mean	2481	3336	---	---	96	---	---	43	7.2	48.2	23.9	44.4
CV	22	12	---	---	6	---	---	6	25.0	3.6	5.4	3.2
LSD (0.05)	871	642	---	---	10	---	---	4	2.9	2.8	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.

Rocky Ford, Colorado

Perry Cabot and Jim Valliant
Colorado State University

Planted: 8/26/2009 at 5 lb/a
Harvested: 7/2 to 7/6/2010
Herbicides: 2 pt/a Treflan
Insecticides: None
Irrigation: 15 in.
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 22-104-0 lb N-P-K fertilizer in fall
Soil Type: Rocky Ford clay loam
Elevation: 4178 ft Latitude: 38° 02'N

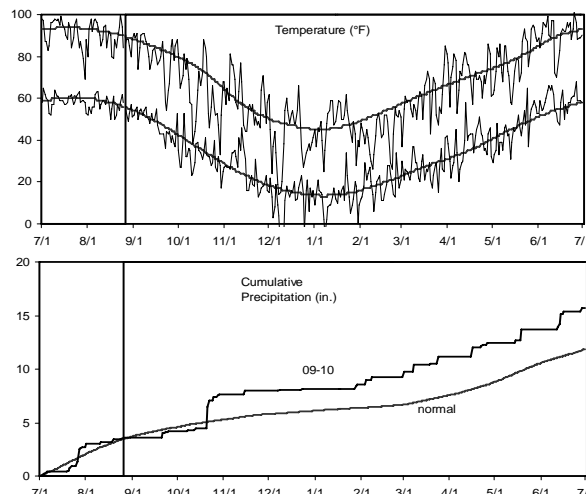


Table 19. Results for the 2010 National Winter Canola Variety Trial at Rocky Ford, CO

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass154W	1403	---	---	89	74	---	---	43	---	---	25.6	41.6
DL Seeds Inc.												
Baldur	1813	---	---	114	85	---	---	44	---	---	23.9	43.0
Dimension	1337	---	---	84	61	---	---	40	---	---	23.1	44.7
Dynastie	1475	---	---	93	74	---	---	41	---	---	24.2	43.6
Flash	1207	---	---	76	65	---	---	42	---	---	24.4	43.2
Safran	2025	---	---	128	73	---	---	43	---	---	23.7	43.2
Sitro	1625	---	---	103	100	---	---	43	---	---	25.9	41.7
Visby	1723	---	---	109	80	---	---	40	---	---	24.4	42.2
High Plains Crop Development												
HPX-501	1425	---	---	90	88	---	---	41	---	---	26.7	42.7
HPX-6271	1623	---	---	102	95	---	---	40	---	---	24.8	44.1
HPX-7019	1958	---	---	124	78	---	---	42	---	---	25.8	42.9
HPX-7127	1583	---	---	100	84	---	---	41	---	---	24.4	43.9
HPX-7228	1979	---	---	125	84	---	---	41	---	---	24.5	43.3
HPX-7341	1623	---	---	102	95	---	---	42	---	---	24.8	43.2
Kansas State University												
Kiowa	1604	---	---	101	95	---	---	42	---	---	23.0	44.4
KS3254	1513	---	---	96	78	---	---	40	---	---	23.4	43.8
KS4426	1861	---	---	117	73	---	---	41	---	---	23.5	44.6
KS4475	1479	---	---	93	74	---	---	42	---	---	25.0	43.7
Riley	1711	---	---	108	69	---	---	40	---	---	24.8	44.2
Sumner	1419	---	---	90	60	---	---	37	---	---	24.4	44.2
Wichita	1616	---	---	102	79	---	---	40	---	---	24.7	43.3
MOMONT												
Chrome	1683	---	---	106	80	---	---	40	---	---	24.3	43.9
Hybristar	1678	---	---	106	85	---	---	39	---	---	23.9	44.2
Hybrisurf	1428	---	---	90	72	---	---	42	---	---	24.0	44.6
Kadore	1697	---	---	107	71	---	---	36	---	---	24.6	42.8
MH06E10	1638	---	---	103	83	---	---	41	---	---	23.2	44.6
MH06E11	1322	---	---	83	55	---	---	42	---	---	23.0	43.6
MH06E4	1223	---	---	77	64	---	---	41	---	---	22.7	44.5
MH905492	1352	---	---	85	55	---	---	42	---	---	27.2	40.1
Virginia State University												
Virginia	1492	---	---	94	85	---	---	38	---	---	24.0	43.7
Mean	1584	---	---	---	77	---	---	41	---	---	24.4	43.4
CV	17	---	---	---	26	---	---	6	---	---	4.7	2.4
LSD (0.05)	448	---	---	---	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.

Yellow Jacket, Colorado

Abdel Berrada
Colorado State University

Planted: 9/3/2009 at 5 lb/a in 8-in. rows
Harvested: 8/12 to 8/13/2010
Herbicides: 1.5 pt/a Trellan
Insecticides: None
Irrigation: 12.3 in.
Previous Crop: NA
Soil Test: NA
Fertilizer: 83-41-0 lb N-P-K fertilizer in fall
Soil Type: Wetherill loam
Elevation: 6928 ft Latitude: 37° 32'N

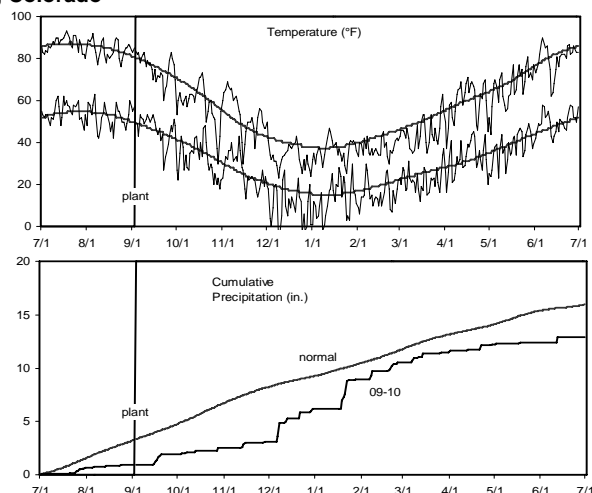


Table 20. Results for the 2010 National Winter Canola Variety Trial at Yellow Jacket, CO

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass154W	1480	---	---	97	98	---	---	47	6.3	45.1	29.4	38.2
DL Seeds Inc.												
Baldur	1746	3818	2782	115	100	96	98	47	6.2	49.0	25.2	41.6
Dimension	1407	3968	2688	92	88	96	92	47	6.0	47.1	27.5	40.6
Dynastie	1507	---	---	99	98	---	---	48	6.2	44.3	28.5	38.4
Flash	1471	3680	2576	97	97	90	93	51	6.2	42.8	29.2	39.2
Safran	1493	4486	2990	98	90	96	93	45	6.3	44.0	25.8	41.7
Sitro	1745	4738	3242	115	91	97	94	47	6.1	46.4	25.6	41.7
Visby	1866	3969	2918	123	97	95	96	48	6.5	45.5	24.7	41.9
High Plains Crop Development												
HPX-501	1758	3493	2626	116	99	97	98	50	6.2	47.4	30.6	37.8
HPX-6271	1485	3770	2628	98	99	96	98	46	6.6	44.0	26.7	42.0
HPX-7019	1375	---	---	90	98	---	---	49	6.1	43.6	29.4	38.5
HPX-7127	1653	---	---	109	97	---	---	51	6.1	47.3	29.8	38.5
HPX-7228	1310	---	---	86	97	---	---	46	6.4	46.0	25.5	41.5
HPX-7341	1269	---	---	83	94	---	---	50	6.2	46.0	29.0	39.3
Kansas State University												
Kiowa	1003	3131	2067	66	97	92	94	49	6.3	43.8	30.1	37.5
KS3254	1758	3732	2745	116	100	92	96	52	6.2	47.8	29.0	39.2
KS4426	1619	---	---	106	97	---	---	51	6.2	45.8	24.7	43.4
KS4475	802	---	---	53	98	---	---	46	6.2	44.7	27.1	41.5
Riley	1588	3632	2610	104	97	92	94	48	6.3	44.5	29.7	39.1
Sumner	1286	3352	2319	84	98	94	96	45	6.0	43.4	26.6	41.9
Wichita	1465	3467	2466	96	100	95	98	49	6.2	46.0	30.5	37.5
MOMONT												
Chrome	2021	---	---	133	94	---	---	48	6.5	48.4	25.0	42.7
Hybristar	1691	---	---	111	98	---	---	47	6.1	44.5	27.8	39.2
Hybrisurf	1633	---	---	107	88	---	---	47	6.2	45.2	27.5	40.7
Kadore	1839	---	---	121	98	---	---	44	6.6	47.6	24.7	41.6
MH06E10	1807	---	---	119	98	---	---	50	6.4	48.6	27.2	40.0
MH06E11	1522	---	---	100	99	---	---	49	6.2	48.0	25.1	41.5
MH06E4	2017	---	---	133	89	---	---	50	6.4	48.5	25.0	42.8
MH905492	1040	---	---	68	92	---	---	43	6.3	42.4	29.5	38.4
Virginia State University												
Virginia	1017	3228	2123	67	99	94	97	40	6.3	42.7	27.6	39.5
Mean	1522	3640	---	---	96	95	---	48	6.3	45.7	27.5	40.2
CV	22	14	---	---	5	5	---	4	4.6	6.5	9.6	7.5
LSD (0.05)	535	840	---	---	8	NS	---	3	NS	NS	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.

Clearwater, Kansas

Gary Cramer
Kansas State University

Planted: 9/24/2009 at 5 lb/a in 8-in. rows
Harvested: 6/24/2010
Herbicides: Fusion
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 50-0-0 lb N-P-K fertilizer in fall
75-0-0 lb N-P-K fertilizer in spring
Soil Type: Nalin loam
Elevation: 1309 ft Latitude: 37° 31'N

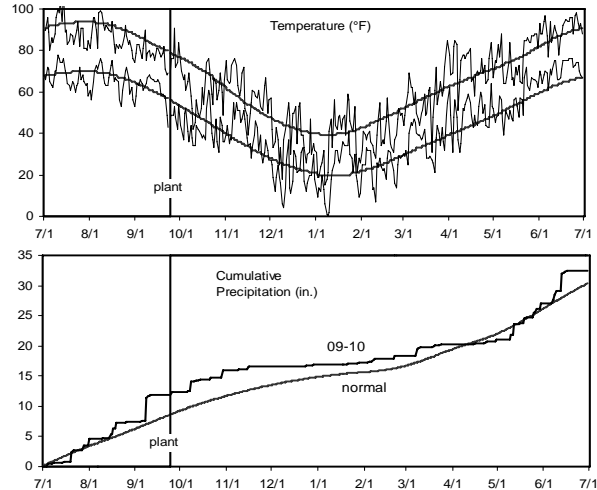


Table 21. Results for the 2010 National Winter Canola Variety Trial at Clearwater, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass110W	1692	1423	1557	93	---	---	---	---	6.9	49.0	23.4	44.9
HyClass115W	1585	1253	1419	87	---	---	---	---	6.9	48.7	21.9	46.4
HyClass154W	1660	---	---	91	---	---	---	---	7.1	47.8	22.8	44.9
DEKALB												
DKW41-10	1429	1170	1300	79	---	---	---	---	7.0	50.3	23.6	44.4
DKW46-15	2025	1175	1600	111	---	---	---	---	6.7	49.6	21.8	46.9
DKW47-15	1584	1625	1605	87	---	---	---	---	7.1	49.2	23.6	44.7
DL Seeds Inc.												
Flash	1805	2298	2051	99	---	---	---	---	6.8	50.2	24.0	43.3
Safran	2066	---	---	114	---	---	---	---	6.9	49.6	22.0	45.2
Sitro	2220	---	---	122	---	---	---	---	6.8	49.5	21.5	45.4
Kansas State University												
Kiowa	1614	---	---	89	---	---	---	---	6.9	48.8	22.7	44.9
Riley	2020	---	---	111	---	---	---	---	6.9	48.9	22.4	46.0
Sumner	1530	1441	1485	84	---	---	---	---	6.9	49.0	23.2	45.3
Wichita	1836	1012	1424	101	---	---	---	---	7.0	49.5	22.5	45.9
MOMONT												
Hybristar	1849	---	---	102	---	---	---	---	6.9	48.4	22.2	46.2
Hybrisurf	2005	1871	1938	110	---	---	---	---	6.7	48.6	20.9	47.4
Kadore	2169	---	---	119	---	---	---	---	7.4	49.5	22.9	43.7
Mean	1818	1421	---	---	---	---	---	---	6.9	49.2	22.6	45.3
CV	15	29	---	---	---	---	---	---	4.5	1.4	3.1	1.6
LSD (0.05)	397	699	---	---	---	---	---	---	NS	1.0	1.5	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.

Garden City, Kansas

Johnathon Holman
Kansas State University

Planted: 9/14/2009 at 5 lb/a
Harvested: 6/25/2010
Herbicides: Prowl
Insecticides: None
Irrigation: Yes
Previous Crop: Wheat
Soil Test: N=12 ppm, P=140 ppm, K=552 ppm, pH=8.1
Fertilizer: 6-29-0 lb N-P-K fertilizer in fall
160-0-0-12 lb N-P-K-S fertilizer in spring
Soil Type: Ulysess-Richfield silt loam
Elevation: 2874 ft Latitude: 37° 99'N

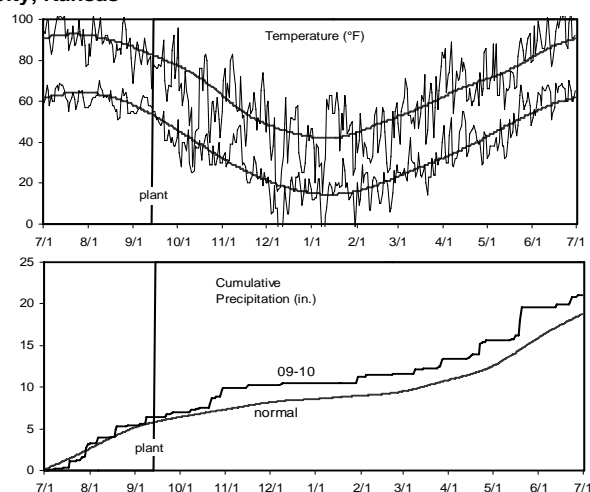


Table 22. Results for the 2010 National Winter Canola Variety Trial at Garden City, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Plant		Test			
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1889	---	---	80	50	---	---	43	7.0	50.7	28.4	38.6
AAMU-33-07	2392	---	---	102	67	---	---	44	6.9	51.9	28.7	38.0
Croplan Genetics												
HyClass110W	1651	---	---	70	37	---	---	44	8.0	51.6	30.7	36.5
HyClass115W	2591	---	---	110	83	---	---	47	6.8	52.5	29.4	38.6
HyClass154W	2354	---	---	100	60	---	---	50	7.0	52.7	29.1	37.5
DEKALB												
DKW41-10	2192	---	---	93	73	---	---	40	6.7	53.8	32.1	35.7
DKW46-15	2431	---	---	104	80	---	---	48	6.5	51.7	28.7	38.5
DKW47-15	2246	---	---	96	70	---	---	46	6.9	52.5	29.6	38.4
DL Seeds Inc.												
Baldur	2755	---	---	117	73	---	---	49	6.8	54.6	27.9	37.4
Dimension	1861	---	---	79	40	---	---	44	8.2	52.8	28.6	38.5
Dynastie	2620	---	---	112	60	---	---	46	7.7	52.7	27.0	39.3
Flash	2082	---	---	89	47	---	---	50	8.6	52.5	29.6	37.7
Safran	2739	---	---	117	67	---	---	48	7.7	51.9	28.2	37.9
Sitro	2203	---	---	94	53	---	---	46	6.9	52.6	28.3	37.5
Visby	2888	---	---	123	73	---	---	44	6.8	52.7	26.9	38.9
High Plains Crop Development												
HPX-501	2409	---	---	103	73	---	---	49	6.7	51.8	29.6	39.2
HPX-6271	2663	---	---	113	77	---	---	47	6.8	53.0	28.9	39.2
HPX-7019	2625	---	---	112	83	---	---	47	6.7	53.2	30.0	38.5
HPX-7127	2523	---	---	107	70	---	---	47	7.4	52.5	29.5	38.6
HPX-7228	2783	---	---	119	90	---	---	49	6.9	53.5	28.4	38.1
HPX-7341	2627	---	---	112	90	---	---	47	6.6	53.9	29.5	38.6
Kansas State University												
Kiowa	2531	---	---	108	87	---	---	51	7.3	51.9	30.2	36.9
KS3132	2650	---	---	113	87	---	---	48	7.1	52.6	29.0	39.0
KS4426	2704	---	---	115	87	---	---	51	7.7	53.5	29.5	37.8
KS4475	2719	---	---	116	83	---	---	50	7.6	52.9	29.8	38.4
Riley	2981	---	---	127	83	---	---	52	6.6	53.5	29.3	38.6
Sumner	2897	---	---	123	87	---	---	48	6.6	52.7	28.9	39.6
Wichita	2805	---	---	119	90	---	---	50	7.1	53.2	29.7	38.7
MOMONT												
Chrome	2858	---	---	122	70	---	---	50	7.3	53.2	28.4	39.1
Hybristar	1389	---	---	59	27	---	---	44	9.3	50.6	29.3	38.1
Hybrisurf	1668	---	---	71	27	---	---	44	7.7	52.3	28.6	38.9
Kadore	3035	---	---	129	87	---	---	47	6.9	53.2	29.4	36.9
MH06E10	1362	---	---	58	27	---	---	46	9.5	51.4	29.7	37.3
MH06E11	1740	---	---	74	43	---	---	45	8.6	51.7	29.3	38.1
MH06E4	2368	---	---	101	30	---	---	50	9.4	51.7	30.7	37.3
MH905492	380	---	---	16	10	---	---	40	---	---	30.5	38.1

Table 22. Results for the 2010 National Winter Canola Variety Trial at Garden City, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Winter Survival (%)			Plant Height	Moisture	Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)	(%)	
Southern Illinois University														
KSIU331	2430	---	---	103	83	---	---	52	6.8	53.0	29.2	38.8		
University of Arkansas														
ARC00005-2	2311	---	---	98	63	---	---	50	7.7	52.5	29.4	37.9		
ARC00024-2	2060	---	---	88	57	---	---	53	9.8	50.9	30.3	36.9		
ARC2189-2	2411	---	---	103	70	---	---	51	7.3	52.6	30.0	37.9		
ARC99009-1	2181	---	---	93	57	---	---	48	6.8	53.7	29.1	38.4		
Virginia State University														
Virginia	2616	---	---	111	70	---	---	43	7.3	51.7	29.4	37.4		
Mean	2348	---	---	---	65	---	---	47	7.4	52.5	29.3	38.1		
CV	12	---	---	---	15	---	---	6	8.1	2.0	1.7	1.3		
LSD (0.05)	445	---	---	---	16	---	---	5	1.0	1.7	1.0	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.

Hutchinson, Kansas

William Heer
Kansas State University

Planted: 9/25/2009 at 5 lb/a in 9-in. rows
Swathed: 6/8/2010
Harvested: 6/18/2010
Herbicides: Treflan and Select
Insecticides: Warrior
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 75-0-0 lb N-P-K fertilizer in fall
50-0-0 lb N-P-K fertilizer in spring
Soil Type: Ost silt loam
Elevation: 1570 ft Latitude: 37° 56'N

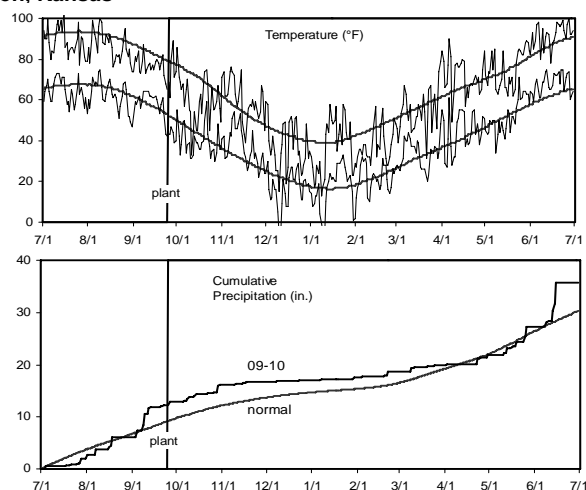


Table 23. Results for the 2010 National Winter Canola Variety Trial at Hutchinson, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1963	692	1327	95	---	---	---	---	7.9	50.9	25.4	42.2
AAMU-33-07	2203	1082	1643	106	---	---	---	---	8.7	52.9	24.3	41.3
Croplan Genetics												
HyClass110W	1647	794	1221	79	---	---	---	---	8.4	51.6	25.8	41.1
HyClass115W	2150	609	1379	104	---	---	---	---	8.1	51.1	25.3	42.6
HyClass154W	1806	1251	1529	87	---	---	---	---	8.6	52.7	25.9	38.4
DEKALB												
DKW41-10	1674	580	1127	81	---	---	---	---	8.3	52.1	27.6	39.4
DKW46-15	1753	1050	1402	85	---	---	---	---	8.4	51.2	25.2	42.4
DKW47-15	2031	782	1406	98	---	---	---	---	8.7	51.5	26.5	40.7
DL Seeds Inc.												
Baldur	2145	1394	1770	103	---	---	---	---	7.7	52.2	22.4	42.8
Dimension	1911	697	1304	92	---	---	---	---	8.5	52.5	23.6	43.1
Dynastie	2498	---	---	120	---	---	---	---	8.7	52.4	24.0	42.2
Flash	2030	1366	1698	98	---	---	---	---	8.8	51.7	25.2	41.1
Safran	2361	1513	1937	114	---	---	---	---	8.0	52.8	24.2	41.7
Sitro	2390	1388	1889	115	---	---	---	---	8.1	52.5	24.3	41.4
Visby	2432	1274	1853	117	---	---	---	---	8.1	52.4	23.7	41.3
High Plains Crop Development												
HPX-501	1875	1318	1596	90	---	---	---	---	8.0	52.1	25.4	42.3
HPX-6271	2080	1259	1669	100	---	---	---	---	7.9	51.9	25.3	42.8
HPX-7019	2092	---	---	101	---	---	---	---	7.4	52.1	24.7	42.8
HPX-7127	2213	---	---	107	---	---	---	---	8.3	52.2	25.3	41.4
HPX-7228	2093	---	---	101	---	---	---	---	7.8	51.6	25.0	41.5
HPX-7341	2389	---	---	115	---	---	---	---	8.0	52.6	25.3	41.9
Kansas State University												
Kiowa	1989	1120	1555	96	---	---	---	---	8.4	50.9	24.8	40.6
KS3132	2338	1530	1934	113	---	---	---	---	7.9	52.1	25.2	40.9
KS4426	1957	---	---	94	---	---	---	---	7.6	52.8	24.9	40.5
KS4475	1906	---	---	92	---	---	---	---	7.9	52.4	26.2	40.0
Riley	2242	1479	1860	108	---	---	---	---	8.0	51.7	25.4	41.6
Sumner	1786	946	1366	86	---	---	---	---	8.5	51.9	26.7	41.5
Wichita	2047	1238	1643	99	---	---	---	---	8.4	51.8	26.0	41.1
MOMONT												
Chrome	2400	---	---	116	---	---	---	---	8.0	52.7	23.1	42.5
Hybristar	2173	869	1521	105	---	---	---	---	8.4	52.3	25.1	40.7
Hybrisurf	2268	777	1522	109	---	---	---	---	7.7	51.9	23.1	43.4
Kadore	2206	1465	1835	106	---	---	---	---	8.7	53.4	25.6	38.8
MH06E10	1950	---	---	94	---	---	---	---	8.3	52.6	24.4	41.4
MH06E11	2274	---	---	110	---	---	---	---	8.0	52.5	23.1	42.7
MH06E4	1909	---	---	92	---	---	---	---	8.3	51.6	25.0	40.8
MH905492	1604	---	---	77	---	---	---	---	8.0	51.3	24.8	42.6

Table 23. Results for the 2010 National Winter Canola Variety Trial at Hutchinson, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2113	---	---	102	---	---	---	---	8.5	52.5	25.9	40.1
University of Arkansas												
ARC00005-2	2069	864	1466	100	---	---	---	---	8.1	52.0	25.3	40.4
ARC00024-2	2127	936	1532	103	---	---	---	---	8.5	52.6	26.8	38.9
ARC2189-2	2102	1148	1625	101	---	---	---	---	8.4	51.4	26.2	39.8
ARC99009-1	1957	---	---	94	---	---	---	---	8.6	51.3	24.9	41.3
Virginia State University												
Virginia	1967	876	1421	95	---	---	---	---	7.6	51.1	23.8	42.8
Mean	2074	1084	---	---	---	---	---	---	8.2	52.0	25.0	41.4
CV	12	25	---	---	---	---	---	---	9.0	1.3	3.8	2.9
LSD (0.05)	398	433	---	---	---	---	---	---	1.2	1.1	1.9	2.4

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
Kansas State University

Planted: 9/12/2009 at 5 lb/a in 9-in. rows
Harvested: 6/23/2010
Herbicides: Select
Insecticides: None
Irrigation: None
Previous Crop: Soybean
Soil Test: NA
Fertilizer: 75-0-0 lb N-P-K fertilizer in fall
75-0-0 lb N-P-K fertilizer in spring
Soil Type: Smolan silt loam
Elevation: 1064 ft Latitude: 39° 12'N
Comments: Severe sulfur deficiency in the third replication. Only two reps summarized.

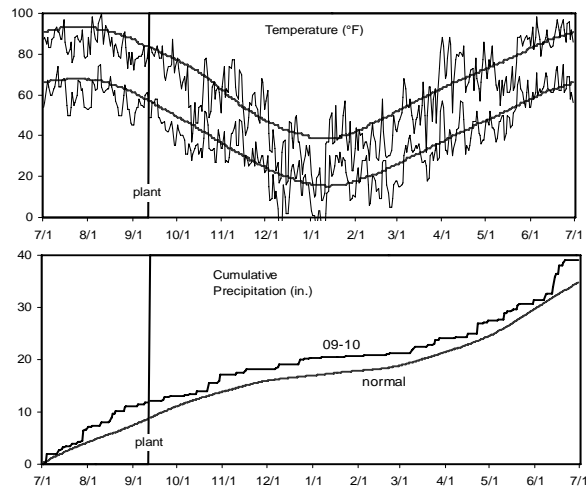


Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)	
Alabama A&M University												
AAMU-18-07	1876	226	1051	115	87	63	75	43	7.8	45.7	23.9	41.6
AAMU-33-07	2385	974	1679	146	100	80	90	49	8.7	49.7	23.4	42.3
Croplan Genetics												
HyClass110W	2210	149	1180	136	85	57	71	47	8.5	49.5	24.8	40.2
HyClass115W	1231	332	781	76	100	53	77	49	7.5	46.7	24.3	41.3
HyClass154W	1584	976	1280	97	100	83	92	48	8.7	46.9	24.7	37.7
DEKALB												
DKW41-10	1553	697	1125	95	100	83	92	41	8.4	47.9	24.4	39.4
DKW46-15	1590	557	1073	98	100	90	95	49	8.1	48.1	23.9	42.2
DKW47-15	1870	688	1279	115	100	80	90	51	8.0	48.5	24.8	41.5
DL Seeds Inc.												
Baldur	1874	1089	1481	115	98	80	89	51	8.3	48.5	23.2	40.2
Dimension	2444	970	1707	150	90	77	83	52	9.8	48.4	22.4	44.0
Dynastie	2717	---	---	167	98	---	---	50	8.1	50.5	22.1	42.9
Flash	1981	1045	1513	122	90	77	83	53	7.6	49.2	24.7	40.4
Safran	1823	1144	1483	112	100	70	85	48	8.6	46.3	23.4	39.9
Sitro	2671	1424	2048	164	100	87	93	49	8.3	50.9	22.7	42.3
Visby	2176	688	1432	134	100	83	92	49	8.0	49.2	23.2	38.4
High Plains Crop Development												
HPX-501	2271	532	1401	139	100	90	95	51	7.7	49.0	25.8	40.2
HPX-6271	1987	1248	1617	122	100	90	95	48	8.6	49.1	24.8	41.8
HPX-7019	1601	---	---	98	100	---	---	53	8.5	47.7	25.7	39.4
HPX-7127	1337	---	---	82	100	---	---	49	9.2	46.6	25.1	39.1
HPX-7228	2342	---	---	144	100	---	---	48	8.5	47.6	23.9	41.6
HPX-7341	2492	---	---	153	100	---	---	53	8.4	49.1	24.9	42.4
Kansas State University												
Kiowa	1407	971	1189	86	100	90	95	53	8.9	47.5	25.1	37.7
KS3132	1946	1278	1612	119	100	87	93	53	8.1	50.1	23.6	42.0
KS4426	2175	---	---	134	100	---	---	52	8.6	50.4	23.6	41.6
KS4475	1828	---	---	112	90	---	---	51	8.6	49.4	25.1	39.9
Riley	1985	1353	1669	122	98	83	90	49	8.1	49.4	23.8	42.6
Sumner	2385	479	1432	146	100	77	88	51	6.9	50.6	24.6	42.6
Wichita	2102	970	1536	129	100	80	90	51	8.2	50.4	24.8	41.7
MOMONT												
Chrome	2289	---	---	141	100	---	---	52	8.3	49.4	22.9	41.9
Hybristar	2246	666	1456	138	90	67	78	50	8.3	49.8	23.6	41.7
Hybrisurf	2377	680	1528	146	100	77	88	52	9.0	49.3	22.2	43.6
Kadore	2040	923	1481	125	100	80	90	46	8.7	47.7	23.9	37.7
MH06E10	2365	---	---	145	83	---	---	55	8.4	50.4	24.1	40.9
MH06E11	2230	---	---	137	100	---	---	52	8.1	49.6	22.6	41.8
MH06E4	2154	---	---	132	95	---	---	53	8.4	49.6	23.5	40.6
MH905492	2296	---	---	141	90	---	---	51	6.9	49.8	23.9	42.9

Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2601	---	---	160	100	---	---	54	8.5	49.6	24.7	42.3
University of Arkansas												
ARC00005-2	2074	974	1524	127	95	80	88	53	9.4	47.9	24.8	39.6
ARC00024-2	2075	984	1530	127	90	83	86	52	9.0	49.5	25.2	40.5
ARC2189-2	1896	1017	1457	116	98	80	89	51	8.8	48.6	25.1	40.7
ARC99009-1	1727	---	---	106	100	---	---	52	8.7	48.8	24.1	40.0
Virginia State University												
Virginia	2421	718	1570	149	98	77	87	45	9.2	50.1	23.6	42.1
Mean	2063	861	---	---	97	79	88	50	8.4	48.9	24.1	41.0
CV	21	37	---	---	5	128	67	4	11.5	2.9	2.1	3.2
LSD (0.05)	NS	519	---	---	11	16	13	4	NS	NS	1.1	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.

Marquette, Kansas

Dale Ladd
Kansas State University

Planted: 9/23/2009 at 5 lb/a in 8-in. rows
Harvested: 6/24/2010
Herbicides: None
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: NA
Fertilizer: 50-0-0 lb N-P-K fertilizer in fall
50-0-0 lb N-P-K fertilizer in spring
Soil Type: Roxbury silty clay loam
Elevation: 1414 ft Latitude: 38° 34'N

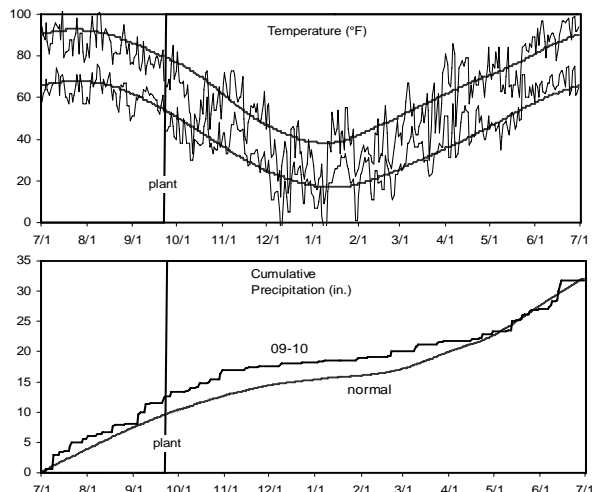


Table 25. Results for the 2010 National Winter Canola Variety Trial at Marquette, KS

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass110W	1903	---	---	92	98	---	---	---	7.8	49.0	25.6	41.8
HyClass115W	1812	---	---	88	99	---	---	---	7.6	48.4	25.3	42.0
HyClass154W	1975	---	---	96	98	---	---	---	8.0	49.3	25.3	41.1
DEKALB												
DKW41-10	1570	---	---	76	98	---	---	---	8.2	50.1	26.1	41.4
DKW46-15	1895	---	---	92	97	---	---	---	7.1	49.6	23.9	43.4
DKW47-15	1831	---	---	89	99	---	---	---	7.6	49.6	25.6	41.9
DL Seeds Inc.												
Flash	2557	---	---	124	97	---	---	---	8.2	49.2	24.0	43.1
Safran	2285	---	---	111	98	---	---	---	7.6	49.7	23.6	43.5
Sitro	2858	---	---	139	97	---	---	---	7.7	50.0	23.4	42.8
Kansas State University												
Kiowa	1733	---	---	84	100	---	---	---	7.4	49.4	25.3	41.4
Riley	1938	---	---	94	100	---	---	---	7.9	49.6	24.4	43.1
Sumner	2006	---	---	97	99	---	---	---	8.0	49.9	24.9	42.7
Wichita	1879	---	---	91	99	---	---	---	7.5	50.1	26.0	41.7
MOMONT												
Hybristar	2054	---	---	100	93	---	---	---	7.6	49.1	24.5	42.3
Hybrisurf	2334	---	---	113	91	---	---	---	8.2	48.9	23.1	44.1
Kadore	2376	---	---	115	100	---	---	---	7.7	50.3	24.1	41.4
Mean	2063	---	---	---	98	---	---	---	7.7	49.5	24.7	42.4
CV	14	---	---	---	3	---	---	---	7.1	1.3	2.0	1.5
LSD (0.05)	411	---	---	---	5	---	---	---	NS	0.9	1.0	1.4

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: 9/15/2009 at 6 lb/a in 6-in. rows
 Harvested: 6/11 to 6/23/2010
 Herbicides: None
 Insecticides: Lorsban and Trimax
 Irrigation: 11.5 in.
 Previous Crop: Fallow
 Soil Test: P=17 ppm, K=526 ppm, and pH=7.5
 Fertilizer: 60-25-0-10 lb N-P-K-S fertilizer in fall
 40-0-0 lb N-P-K fertilizer in spring
 Soil Type: Olton clay loam
 Elevation: 4435 ft Latitude: 35° 103'N

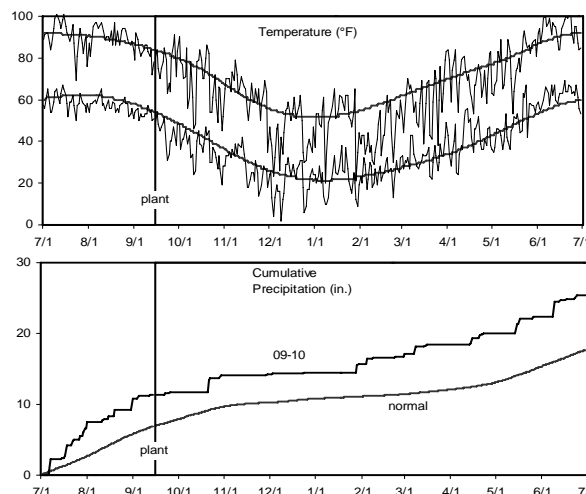


Table 26. Results for the 2010 National Winter Canola Variety Trial at Clovis, NM

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Croplan Genetics												
HyClass110W	3505	---	---	101	---	---	---	42	4.7	52.5	28.5	38.8
HyClass115W	3368	---	---	97	---	---	---	46	5.1	51.8	29.5	39.1
HyClass154W	3618	---	---	104	---	---	---	50	5.5	51.9	28.6	38.5
DEKALB												
DKW41-10	3582	---	---	103	---	---	---	36	5.1	50.1	30.6	38.2
DKW46-15	3525	---	---	102	---	---	---	44	5.4	52.0	28.4	40.0
DKW47-15	3260	---	---	94	---	---	---	46	4.9	51.7	27.3	40.4
DL Seeds Inc.												
Dimension	3238	---	---	94	---	---	---	48	5.2	52.5	27.6	39.9
Flash	3260	---	---	94	---	---	---	48	5.3	52.4	26.7	39.9
Safran	3635	---	---	105	---	---	---	48	5.7	51.2	26.4	40.9
Sitro	3544	---	---	102	---	---	---	49	5.2	53.0	27.4	39.4
Kansas State University												
Kiowa	3338	---	---	96	---	---	---	51	4.9	51.9	28.9	38.4
Sumner	3657	---	---	106	---	---	---	46	5.3	52.4	28.2	39.7
Wichita	3487	---	---	101	---	---	---	49	5.1	51.4	27.7	40.3
MOMONT												
Hybristar	3427	---	---	99	---	---	---	47	5.1	51.4	27.8	40.3
Hybrisurf	3162	---	---	91	---	---	---	49	5.4	51.5	28.3	40.3
Kadore	3799	---	---	110	---	---	---	43	4.9	51.9	28.4	37.2
Mean	3463	---	---	---	---	---	---	46	5.2	51.8	28.1	39.4
CV	10	---	---	---	---	---	---	6	8.4	2.3	2.9	2.6
LSD (0.05)	NS	---	---	---	---	---	---	4	NS	NS	1.7	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.

Farmington, New Mexico

Mick O'Neill and Curtis Owen
New Mexico State University

Planted: 9/3/2009 at 5 lb/a in 10-in. rows
Harvested: 7/29/2010
Herbicides: None
Insecticides: None
Irrigation: 26 in.
Previous Crop: Fallow
Soil Test: NA
Fertilizer: 10-52-60 lb N-P-K fertilizer in fall
105-0-0 lb N-P-K fertilizer in spring
Soil Type: Doak sandy loam
Elevation: 5640 ft Latitude: 35° 108'N

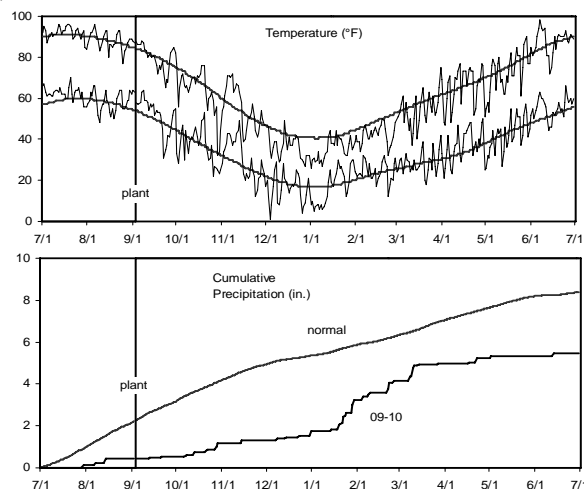


Table 27. Results for the 2010 National Winter Canola Variety Trial at Farmington, NM

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2132	2727	2429	71	---	---	---	41	6.2	36.5	27.4	37.5
AAMU-33-07	3157	4156	3657	106	---	---	---	45	6.3	40.4	27.5	38.5
Croplan Genetics												
HyClass110W	2253	---	---	75	---	---	---	39	7.4	36.7	29.5	34.5
HyClass115W	2452	---	---	82	---	---	---	39	6.7	41.0	28.1	38.0
HyClass154W	2581	4550	3566	86	---	---	---	41	9.4	35.4	27.3	35.8
DEKALB												
DKW41-10	1935	---	---	65	---	---	---	33	11.2	36.2	29.2	34.7
DKW46-15	2351	---	---	79	---	---	---	43	6.7	40.6	27.3	39.7
DKW47-15	2868	---	---	96	---	---	---	42	9.6	36.1	28.5	35.6
DL Seeds Inc.												
Baldur	2493	4726	3609	83	---	---	---	45	9.8	38.4	28.0	37.0
Dimension	2800	3343	3071	94	---	---	---	43	6.8	40.6	27.7	37.1
Dynastie	3430	---	---	115	---	---	---	42	6.5	40.1	27.7	38.4
Flash	3191	5717	4454	107	---	---	---	44	9.3	37.4	27.5	37.5
Safran	4118	4043	4081	138	---	---	---	45	9.3	39.2	26.8	37.7
Sitro	4459	5166	4812	149	---	---	---	43	6.0	44.4	27.5	40.0
Visby	3439	4363	3901	115	---	---	---	45	6.5	43.1	28.1	39.2
High Plains Crop Development												
HPX-501	3055	4421	3738	102	---	---	---	46	8.3	37.7	27.6	35.9
HPX-6271	2863	4440	3652	96	---	---	---	44	7.2	38.6	28.2	38.6
HPX-7019	3513	---	---	118	---	---	---	45	8.0	42.0	27.7	39.7
HPX-7127	3085	---	---	103	---	---	---	43	6.9	41.3	28.0	38.9
HPX-7228	2574	---	---	86	---	---	---	42	9.2	33.6	26.0	35.4
HPX-7341	2937	---	---	98	---	---	---	46	6.7	39.3	28.1	36.4
Kansas State University												
Kiowa	2764	4182	3473	92	---	---	---	45	6.4	41.2	27.0	37.8
KS3132	2958	3183	3070	99	---	---	---	41	7.0	40.0	27.1	38.5
KS3254	3559	5104	4331	119	---	---	---	47	7.4	43.2	28.5	38.9
KS4426	3119	---	---	104	---	---	---	42	6.2	41.5	27.7	38.0
KS4475	3857	---	---	129	---	---	---	42	6.7	45.8	28.4	39.8
Riley	3570	3862	3716	119	---	---	---	43	6.8	41.0	27.8	38.1
Sumner	2469	2681	2575	83	---	---	---	40	6.7	38.2	27.7	36.9
Wichita	2541	4726	3634	85	---	---	---	40	7.0	37.9	28.5	37.1
MOMONT												
Chrome	3421	---	---	114	---	---	---	44	9.2	38.6	27.3	36.7
Hybristar	3105	3939	3522	104	---	---	---	42	7.9	38.1	27.1	35.7
Hybrisurf	3862	5868	4865	129	---	---	---	43	10.7	38.8	26.5	40.7
Kadore	3181	3257	3219	106	---	---	---	43	8.3	39.7	26.2	37.8
MH06E10	3429	---	---	115	---	---	---	42	10.4	41.2	27.7	37.8
MH06E11	3028	---	---	101	---	---	---	41	7.5	40.0	26.4	36.7
MH06E4	2827	---	---	95	---	---	---	45	12.0	36.0	27.8	36.6
MH905492	3065	---	---	103	---	---	---	40	8.6	37.5	27.5	36.9

Table 27. Results for the 2010 National Winter Canola Variety Trial at Farmington, NM

Name	Yield (lb/a)			Yield (% of test avg.)				Plant		Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
University of Arkansas												
ARC00005-2	2956	4242	3599	99	---	---	---	42	8.3	41.0	28.3	37.1
ARC00024-2	1670	3450	2560	56	---	---	---	46	8.1	37.0	29.1	33.9
ARC2189-2	2628	3969	3298	88	---	---	---	46	8.0	39.2	28.2	38.8
ARC99009-1	2423	---	---	81	---	---	---	44	7.9	37.3	28.9	34.6
Virginia State University												
Virginia	3408	4382	3895	114	---	---	---	41	8.7	38.3	28.6	36.7
Mean	2989	4150	---	---	---	---	---	43	7.9	39.3	27.8	37.4
CV	19	25	---	---	---	---	---	9	36.9	10.6	3.4	5.1
LSD (0.05)	936	1669	---	---	---	---	---	NS	NS	NS	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.

Enid, Oklahoma

John Lamle
Johnston Seed Company

Planted: 9/24/2009 at 5 lb/a in 9-in. rows
 Swathed: 6/3/2010
 Harvested: 6/11/2010
 Herbicides: Treflan
 Insecticides: Warrior
 Irrigation: None
 Previous Crop: Wheat
 Soil Test: NA
 Fertilizer: 75-0-0 lb N-P-K fertilizer in fall
 75-0-0-20 lb N-P-K-S fertilizer in spring
 Soil Type: Silt loam
 Elevation: 1227 ft Latitude: 36° 26'N
 Comments: Excessive fall growth and sporadic snow cover caused severe winterkill.

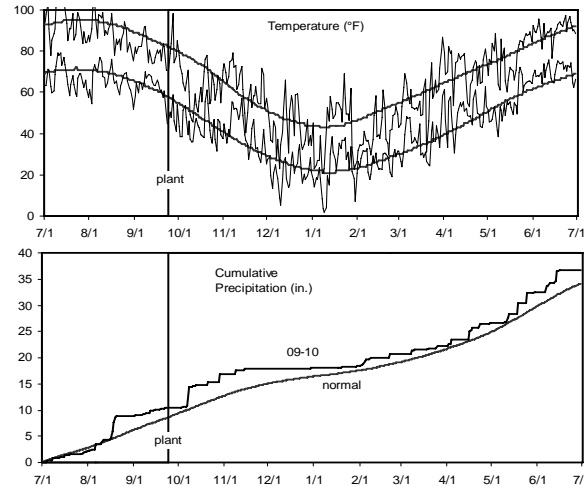


Table 28. Results for the 2010 National Winter Canola Variety Trial at Enid, OK

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1070	1710	1390	59	20	---	---	45	11.3	50.4	26.2	42.7
AAMU-33-07	1615	2488	2051	89	5	---	---	45	11.7	51.5	26.7	42.4
Croplan Genetics												
HyClass110W	1656	2153	1904	91	12	---	---	45	11.1	51.4	27.8	40.2
HyClass115W	2629	1861	2245	144	82	---	---	51	11.1	51.4	26.1	43.6
HyClass154W	1987	2198	2093	109	29	---	---	50	11.4	51.4	26.4	41.1
DEKALB												
DKW41-10	2495	1835	2165	137	78	---	---	44	10.0	52.3	28.1	41.7
DKW46-15	2746	2126	2436	151	57	---	---	51	10.2	51.6	25.6	44.8
DKW47-15	2270	1933	2102	125	28	---	---	49	10.7	51.5	26.7	42.5
DL Seeds Inc.												
Baldur	1490	2697	2093	82	29	---	---	46	11.9	51.1	26.6	41.1
Dimension	1233	2651	1942	68	2	---	---	46	11.8	51.4	25.6	42.5
Dynastie	2230	---	---	122	22	---	---	51	11.0	51.8	24.3	43.6
Flash	1077	2517	1797	59	4	---	---	47	11.6	51.0	26.8	41.8
Safran	1799	2731	2265	99	4	---	---	48	11.2	51.6	26.1	43.1
Sitro	1606	1907	1757	88	5	---	---	43	11.5	51.9	26.5	41.2
Visby	2535	2447	2491	139	18	---	---	49	10.4	51.9	24.4	43.4
High Plains Crop Development												
HPX-501	2625	2587	2606	144	30	---	---	51	10.6	52.0	27.4	42.0
HPX-6271	2296	2532	2414	126	32	---	---	48	11.1	51.9	26.9	43.1
HPX-7019	2731	---	---	150	35	---	---	50	10.6	52.0	26.8	42.3
HPX-7127	2623	---	---	144	43	---	---	50	10.7	51.7	27.1	42.4
HPX-7228	2901	---	---	159	40	---	---	49	10.3	53.0	25.6	42.5
HPX-7341	1874	---	---	103	13	---	---	49	11.1	51.5	26.6	42.9
Kansas State University												
Kiowa	2205	2211	2208	121	60	---	---	51	11.3	51.9	27.1	41.3
KS3132	2565	2578	2571	141	47	---	---	50	10.1	51.8	25.9	42.8
Riley	2190	2698	2444	120	27	---	---	49	11.1	51.6	27.3	43.2
KS4426	2520	---	---	138	45	---	---	51	10.9	51.9	25.9	42.7
KS4475	2632	---	---	145	25	---	---	54	11.0	52.2	27.8	41.4
Sumner	2307	2465	2386	127	68	---	---	51	11.4	52.1	26.7	43.2
Wichita	2591	2547	2569	142	60	---	---	49	10.8	52.0	26.1	42.8
MOMONT												
Chrome	1756	---	---	96	5	---	---	49	10.9	51.8	25.5	43.2
Hybristar	262	1792	1027	14	1	---	---	45	11.3	50.1	---	---
Hybrisurf	244	1835	1040	13	2	---	---	43	10.3	51.6	25.6	43.3
Kadore	2344	2503	2424	129	63	---	---	48	10.7	52.4	26.4	40.9
MH06E10	407	---	---	22	1	---	---	49	11.8	51.3	25.9	42.5
MH06E11	583	---	---	32	2	---	---	45	11.6	51.5	25.1	42.8
MH06E4	276	---	---	15	27	---	---	47	11.3	50.9	25.5	43.1
MH905492	108	---	---	6	1	---	---	45	10.4	51.4	27.5	41.4

Table 28. Results for the 2010 National Winter Canola Variety Trial at Enid, OK

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2678	---	---	147	73	---	---	53	11.2	52.1	25.5	43.3
University of Arkansas												
ARC00005-2	1644	2592	2118	90	12	---	---	49	11.8	51.4	26.7	42.3
ARC00024-2	1299	2254	1776	71	5	---	---	55	12.7	51.3	27.6	39.4
ARC2189-2	1441	2551	1996	79	4	---	---	48	11.8	50.6	26.9	41.6
ARC99009-1	1898	---	---	104	20	---	---	46	11.3	51.8	27.2	41.3
Virginia State University												
Virginia	1055	2470	1762	58	2	---	---	44	11.8	50.3	27.6	41.3
Mean	1821	2330	---	---	27	---	---	48	11.1	51.6	26.5	42.3
CV	32	10	---	---	65	---	---	6	7.2	1.2	3.0	1.6
LSD (0.05)	938	395	---	---	28	---	---	4	1.3	1.0	1.8	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.

Fort Cobb, Oklahoma

Chad Godsey
Oklahoma State University

Planted: 9/30/2009 at 5 lb/a in 7.5-in. rows
 Swathed: 5/28/2010
 Harvested: 6/2/2010
 Herbicides: 1.5 pt/a Treflan
 Insecticides: None
 Irrigation: None
 Previous Crop: Wheat
 Soil Test: P=50 ppm, K=426 ppm, and pH=7.1
 Fertilizer: 43-23-0 lb N-P-K fertilizer in fall
 100-0-0-20 lb N-P-K-S fertilizer in spring
 Soil Type: Sandy loam
 Elevation: 1255 ft Latitude: 35° 5'N

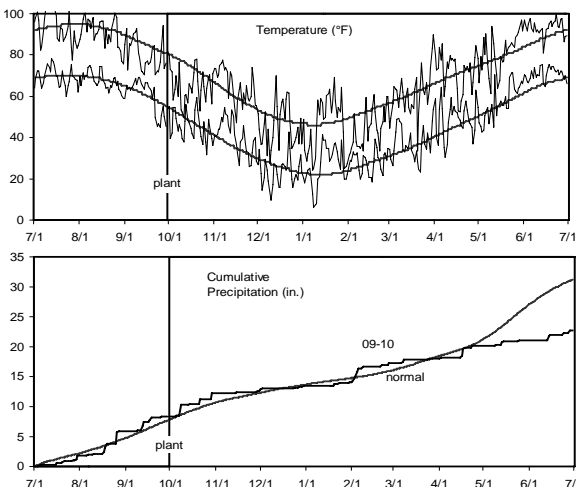


Table 29. Results for the 2010 National Winter Canola Variety Trial at Fort Cobb, OK

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2277	---	---	96	---	---	---	40	5.3	49.1	24.8	42.2
AAMU-33-07	2348	---	---	99	---	---	---	40	4.9	50.6	24.7	41.9
Croplan Genetics												
HyClass110W	2118	---	---	89	---	---	---	40	5.4	50.4	26.4	40.9
HyClass115W	2410	---	---	101	---	---	---	42	5.4	50.3	26.5	41.7
HyClass154W	2161	---	---	91	---	---	---	44	5.3	50.2	27.1	38.9
DEKALB												
DKW41-10	1853	---	---	78	---	---	---	37	5.2	49.9	29.4	39.2
DKW46-15	2072	---	---	87	---	---	---	41	5.5	50.2	25.6	41.8
DKW47-15	2360	---	---	99	---	---	---	44	5.2	50.6	26.4	40.3
DL Seeds Inc.												
Baldur	2343	---	---	99	---	---	---	44	5.4	50.7	25.0	40.4
Dimension	2629	---	---	111	---	---	---	42	5.2	50.5	24.8	41.8
Dynastie	2624	---	---	110	---	---	---	42	5.3	49.7	23.6	42.0
Flash	2140	---	---	90	---	---	---	43	5.1	49.6	25.8	41.6
Safran	2451	---	---	103	---	---	---	41	5.0	50.9	25.6	40.7
Sitro	2740	---	---	115	---	---	---	44	5.0	50.6	25.0	40.5
Visby	2806	---	---	118	---	---	---	42	5.1	50.7	24.3	40.7
High Plains Crop Development												
HPX-501	2160	---	---	91	---	---	---	41	5.2	50.9	27.2	40.9
HPX-6271	2337	---	---	98	---	---	---	42	5.2	50.1	26.5	41.4
HPX-7019	2492	---	---	105	---	---	---	41	5.4	50.7	26.6	40.9
HPX-7127	2441	---	---	103	---	---	---	42	5.3	50.3	25.9	40.2
HPX-7228	2433	---	---	102	---	---	---	40	5.0	51.2	25.2	41.2
HPX-7341	2519	---	---	106	---	---	---	42	5.1	51.6	26.8	40.6
Kansas State University												
Kiowa	2341	---	---	98	---	---	---	41	5.3	50.5	26.1	40.5
KS3132	2384	---	---	100	---	---	---	43	5.0	50.7	25.4	41.5
KS4426	2340	---	---	98	---	---	---	44	5.2	50.6	25.4	41.5
KS4475	2320	---	---	98	---	---	---	44	5.0	50.7	26.5	40.8
Riley	2450	---	---	103	---	---	---	40	5.1	50.9	25.9	41.9
Sumner	2343	---	---	99	---	---	---	41	5.0	50.3	26.2	41.2
Wichita	2229	---	---	94	---	---	---	40	5.2	51.0	26.3	40.7
MOMONT												
Chrome	2659	---	---	112	---	---	---	40	5.2	50.6	24.0	42.3
Hybristar	2340	---	---	98	---	---	---	43	5.1	50.1	25.9	40.6
Hybrisurf	2420	---	---	102	---	---	---	41	5.4	49.9	24.3	42.1
Kadore	2349	---	---	99	---	---	---	39	5.3	51.3	25.7	39.2
MH06E10	2603	---	---	110	---	---	---	45	5.3	50.3	25.6	40.4
MH06E11	2614	---	---	110	---	---	---	45	5.2	50.1	24.4	40.9
MH06E4	2741	---	---	115	---	---	---	43	5.3	50.1	24.7	41.2
MH905492	2527	---	---	106	---	---	---	42	5.4	50.3	25.5	41.8

Table 29. Results for the 2010 National Winter Canola Variety Trial at Fort Cobb, OK

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2276	---	---	96	---	---	---	43	5.3	51.1	25.5	40.9
University of Arkansas												
ARC00005-2	2222	---	---	93	---	---	---	43	5.2	51.1	25.1	41.6
ARC00024-2	2257	---	---	95	---	---	---	46	5.3	49.1	27.2	39.3
ARC2189-2	2145	---	---	90	---	---	---	44	5.1	50.5	26.5	40.9
ARC99009-1	2165	---	---	91	---	---	---	44	5.2	51.1	26.9	40.4
Virginia State University												
Virginia	2382	---	---	100	---	---	---	42	5.1	50.2	26.6	40.5
Mean	2377	---	---	---	---	---	---	42	5.2	50.5	25.8	40.9
CV	8	---	---	---	---	---	---	4	4.7	1.3	2.8	1.5
LSD (0.05)	292	---	---	---	---	---	---	3	NS	1.1	1.5	1.3

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.

Chillicothe, Texas

John Sij
Texas AgriLife Research & Extension Center at Vernon

Planted: 9/23/2009 at 5 lb/a in 10-in. rows
Harvested: 6/7/2010
Herbicides: 1 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Canola
Soil Test: NA
Fertilizer: 60-20-0 lb N-P-K fertilizer in fall
Soil Type: Abilene clay loam
Elevation: 1401 ft Latitude: 34° 11'N

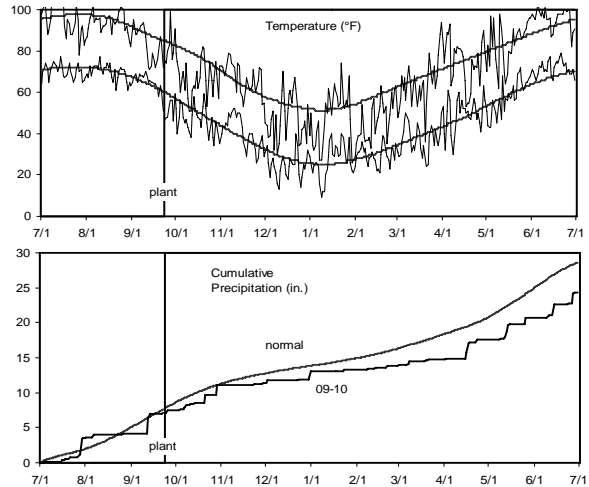


Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, TX

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	2129	---	---	82	---	---	---	49	6.5	51.4	23.3	43.7
AAMU-33-07	2614	---	---	100	---	---	---	52	6.9	53.1	25.6	42.2
Croplan Genetics												
HyClass110w	2396	---	---	92	---	---	---	51	6.5	53.3	24.3	43.2
HyClass115W	2287	---	---	88	---	---	---	50	7.1	53.9	25.8	42.8
HyClass154W	2595	---	---	100	---	---	---	48	7.4	53.8	26.3	40.9
DEKALB												
DKW41-10	1951	---	---	75	---	---	---	42	6.8	55.1	27.5	41.8
DKW46-15	2287	---	---	88	---	---	---	48	6.5	53.7	23.5	44.8
DKW47-15	2323	---	---	89	---	---	---	50	6.7	53.7	26.8	41.3
DL Seeds Inc.												
Baldur	2623	---	---	101	---	---	---	51	7.0	54.6	22.6	44.0
Dimension	2686	---	---	103	---	---	---	54	7.0	53.8	23.0	45.1
Dynastie	3312	---	---	127	---	---	---	53	6.5	54.6	24.8	43.8
Flash	3149	---	---	121	---	---	---	55	7.0	54.6	24.4	44.3
Safran	3158	---	---	121	---	---	---	50	6.6	54.6	23.5	43.9
Sitro	2977	---	---	114	---	---	---	53	6.7	54.4	22.6	44.4
Visby	2904	---	---	111	---	---	---	53	7.0	54.5	23.0	43.6
High Plains Crop Development												
HPX-501	2487	---	---	95	---	---	---	52	6.7	54.4	24.7	42.5
HPX-6271	2541	---	---	98	---	---	---	52	6.9	54.1	24.2	43.9
HPX-7019	2532	---	---	97	---	---	---	55	6.6	53.8	24.9	43.3
HPX-7127	2450	---	---	94	---	---	---	50	6.8	53.8	23.9	43.3
HPX-7228	2804	---	---	108	---	---	---	48	6.8	55.0	23.8	43.6
HPX-7341	2623	---	---	101	---	---	---	56	7.0	54.5	24.7	43.3
Kansas State University												
Kiowa	2514	---	---	96	---	---	---	54	7.6	52.9	25.7	41.5
KS3254	2931	---	---	113	---	---	---	54	7.1	54.1	24.2	43.8
KS4426	2577	---	---	99	---	---	---	54	7.0	54.5	23.7	43.4
KS4475	2550	---	---	98	---	---	---	53	7.5	53.7	26.3	41.8
Riley	2641	---	---	101	---	---	---	49	7.2	53.9	25.1	43.2
Sumner	2296	---	---	88	---	---	---	56	6.7	54.2	26.6	42.9
Wichita	2205	---	---	85	---	---	---	48	6.8	52.9	24.8	42.8
MOMONT												
Chrome	3185	---	---	122	---	---	---	51	6.6	54.6	22.8	44.6
Hybristar	2623	---	---	101	---	---	---	52	6.7	53.8	23.7	43.0
Hybrisurf	2360	---	---	91	---	---	---	50	7.0	53.9	23.4	44.6
Kadore	2795	---	---	107	---	---	---	44	6.9	53.9	22.9	42.6
MH06E10	2732	---	---	105	---	---	---	52	6.5	54.3	22.7	44.1
MH06E11	3086	---	---	118	---	---	---	54	6.9	53.9	23.0	45.0
MH06E4	2813	---	---	108	---	---	---	49	6.8	54.0	23.2	43.9
MH905492	2550	---	---	98	---	---	---	50	6.6	54.2	25.3	43.8

Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, TX

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	2777	---	---	107	---	---	---	51	7.2	53.5	24.3	43.5
University of Arkansas												
ARC00005-2	2677	---	---	103	---	---	---	55	7.0	53.7	24.9	42.8
ARC00024-2	2124	---	---	82	---	---	---	60	7.5	54.5	26.1	41.5
ARC2189-2	2405	---	---	92	---	---	---	56	7.1	53.4	24.2	43.7
ARC99009-1	2369	---	---	91	---	---	---	56	7.0	54.1	24.2	43.2
Virginia State University												
Virginia	2396	---	---	92	---	---	---	52	7.0	53.2	23.9	44.0
Mean	2606	---	---	---	---	---	---	52	6.9	53.9	24.4	43.3
CV	13	---	---	---	---	---	---	78	5.2	1.5	4.6	2.1
LSD (0.05)	539	---	---	---	---	---	---	6	0.6	1.4	2.3	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.

Halfway, Texas

Calvin Trostle
Texas A&M University

Planted: 9/24/2009 at 5 lb/a in 10-in. rows
Harvested: 6/18/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: 3.6 oz/a Warrior T
Irrigation: 14 in.
Previous Crop: Fallow
Soil Test: N=6 ppm, P=24 ppm
Fertilizer: 65-20-0-8 lb N-P-K-S fertilizer
Elevation: 3360 ft Latitude: 34° 11'N

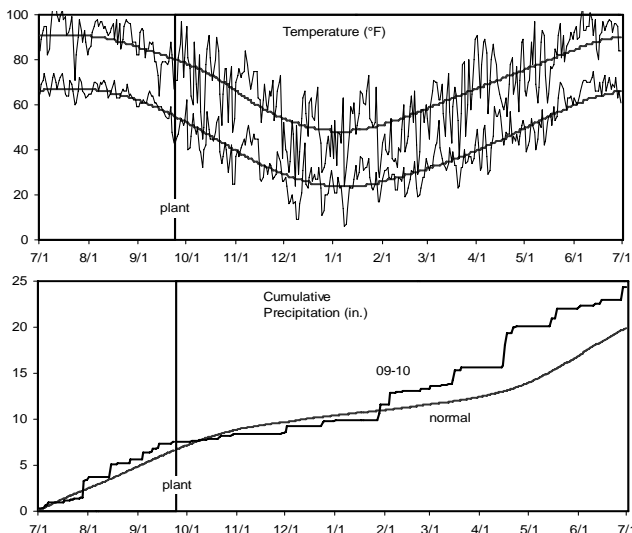


Table 31. Results for the 2010 National Winter Canola Variety Trial at Halfway, TX

Name	Yield (lb/a)			Yield (% of test avg.)			Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test Weight (lb/bu)	Protein (%)	Oil (%)
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.							
Croplan Genetics														
HyClass110W	1037	---	---	94	---	---	---	41	---	45.1	29.1	37.0		
HyClass115W	906	---	---	82	---	---	---	44	---	46.8	28.6	38.0		
HyClass154W	1015	---	---	92	---	---	---	47	---	48.1	30.3	35.5		
DEKALB														
DKW41-10	738	---	---	67	---	---	---	38	---	45.6	30.2	37.0		
DKW46-15	1072	---	---	97	---	---	---	39	---	48.2	26.8	39.3		
DKW47-15	989	---	---	90	---	---	---	43	---	47.2	30.3	36.8		
DL Seeds Inc.														
Dimension	793	---	---	72	---	---	---	46	---	48.8	28.9	37.9		
Flash	1156	---	---	105	---	---	---	45	---	48.1	28.9	38.1		
Safran	1482	---	---	134	---	---	---	45	---	51.3	28.2	37.8		
Sitro	1258	---	---	114	---	---	---	45	---	46.0	28.0	37.1		
Kansas State University														
Kiowa	1315	---	---	119	---	---	---	45	---	47.7	28.8	36.2		
Sumner	1178	---	---	107	---	---	---	42	---	47.9	28.0	38.3		
Wichita	1619	---	---	147	---	---	---	43	---	47.2	28.7	38.0		
MOMONT														
Hybristar	994	---	---	90	---	---	---	43	---	46.1	27.1	38.8		
Hybrisurf	1205	---	---	109	---	---	---	43	---	49.5	26.4	38.2		
Kadore	905	---	---	82	---	---	---	42	---	47.6	29.2	35.4		
Mean	1104	---	---	---	---	---	---	43	---	47.6	28.6	37.5		
CV	30	---	---	---	---	---	---	6	---	5.7	2.1	2.1		
LSD (0.05)	319	---	---	---	---	---	---	3	---	NS	1.3	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.

Lubbock, Texas

Dick Auld
Texas Tech University

Planted: 9/15/2009 at 5 lb/a
Harvested: 5/15/2010
Herbicides: None
Insecticides: Malithion
Irrigation: 8 in.
Previous Crop: Cotton
Soil Test: NA
Fertilizer: 40-0-0 lb N-P-K fertilizer
Soil Type: Acuff and Amarillo fine sandy loams
Elevation: 3239 ft Latitude: 33° 35'N

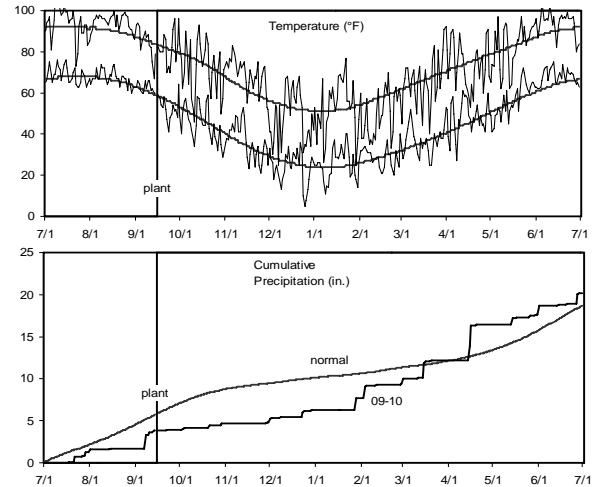


Table 32. Results for the 2010 National Winter Canola Variety Trial at Lubbock, TX

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)	
Alabama A&M University												
AAMU-18-07	1018	---	---	71	---	---	---	---	---	25.5	39.4	
AAMU-33-07	1726	---	---	120	---	---	---	---	---	25.5	41.1	
Croplan Genetics												
HyClass110W	352	---	---	24	---	---	---	---	---	30.1	37.7	
HyClass115W	1424	---	---	99	---	---	---	---	---	26.8	40.4	
HyClass154W	913	---	---	63	---	---	---	---	---	25.8	38.9	
DEKALB												
DKW41-10	353	---	---	24	---	---	---	---	---	31.0	37.9	
DKW46-15	988	---	---	68	---	---	---	---	---	26.0	41.1	
DKW47-15	819	---	---	57	---	---	---	---	---	26.8	38.8	
DL Seeds Inc.												
Baldur	1518	---	---	105	---	---	---	---	---	24.5	42.8	
Dimension	1894	---	---	131	---	---	---	---	---	23.8	44.3	
Dynastie	1270	---	---	88	---	---	---	---	---	23.6	41.8	
Flash	962	---	---	67	---	---	---	---	---	25.5	42.2	
Safran	1978	---	---	137	---	---	---	---	---	25.8	41.5	
Sitro	1147	---	---	80	---	---	---	---	---	24.8	41.4	
Visby	1924	---	---	133	---	---	---	---	---	26.0	40.4	
High Plains Crop Development												
HPX-501	1652	---	---	115	---	---	---	---	---	28.5	40.2	
HPX-6271	1151	---	---	80	---	---	---	---	---	26.6	41.5	
HPX-7019	1230	---	---	85	---	---	---	---	---	29.2	39.2	
HPX-7127	1813	---	---	126	---	---	---	---	---	26.0	42.4	
HPX-7228	1286	---	---	89	---	---	---	---	---	28.8	39.5	
HPX-7341	1402	---	---	97	---	---	---	---	---	26.2	41.6	
Kansas State University												
Kiowa	1762	---	---	122	---	---	---	---	---	26.5	41.5	
KS3254	1997	---	---	138	---	---	---	---	---	26.0	42.4	
KS4426	1507	---	---	104	---	---	---	---	---	25.7	41.4	
KS4475	1001	---	---	69	---	---	---	---	---	27.0	42.1	
Riley	2033	---	---	141	---	---	---	---	---	26.3	42.2	
Sumner	1809	---	---	125	---	---	---	---	---	27.4	42.4	
Wichita	1134	---	---	79	---	---	---	---	---	26.5	42.3	
MOMONT												
Chrome	1391	---	---	96	---	---	---	---	---	25.7	40.0	
Hybristar	1858	---	---	129	---	---	---	---	---	26.0	43.0	
Hybrisurf	1954	---	---	135	---	---	---	---	---	26.1	41.0	
Kadore	2142	---	---	148	---	---	---	---	---	25.2	40.4	
MH06E10	1572	---	---	109	---	---	---	---	---	25.5	41.4	
MH06E11	1758	---	---	122	---	---	---	---	---	23.6	44.2	
MH06E4	1934	---	---	134	---	---	---	---	---	26.2	41.9	
MH905492	1631	---	---	113	---	---	---	---	---	27.1	40.2	

Table 32. Results for the 2010 National Winter Canola Variety Trial at Lubbock, TX

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Southern Illinois University												
KSIU331	993	---	---	69	---	---	---	---	---	---	27.4	41.1
University of Arkansas												
ARC00005-2	1930	---	---	134	---	---	---	---	---	---	27.4	40.6
ARC00024-2	1904	---	---	132	---	---	---	---	---	---	26.7	41.0
ARC2189-2	1054	---	---	73	---	---	---	---	---	---	26.8	41.0
ARC99009-1	1721	---	---	119	---	---	---	---	---	---	26.4	41.1
Virginia State University												
Virginia	1100	---	---	76	---	---	---	---	---	---	26.8	38.2
Mean	1442	---	---	---	---	---	---	---	---	---	26.3	41.0
CV	31	---	---	---	---	---	---	---	---	---	4.8	4.2
LSD (0.05)	737	---	---	---	---	---	---	---	---	---	2.6	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.

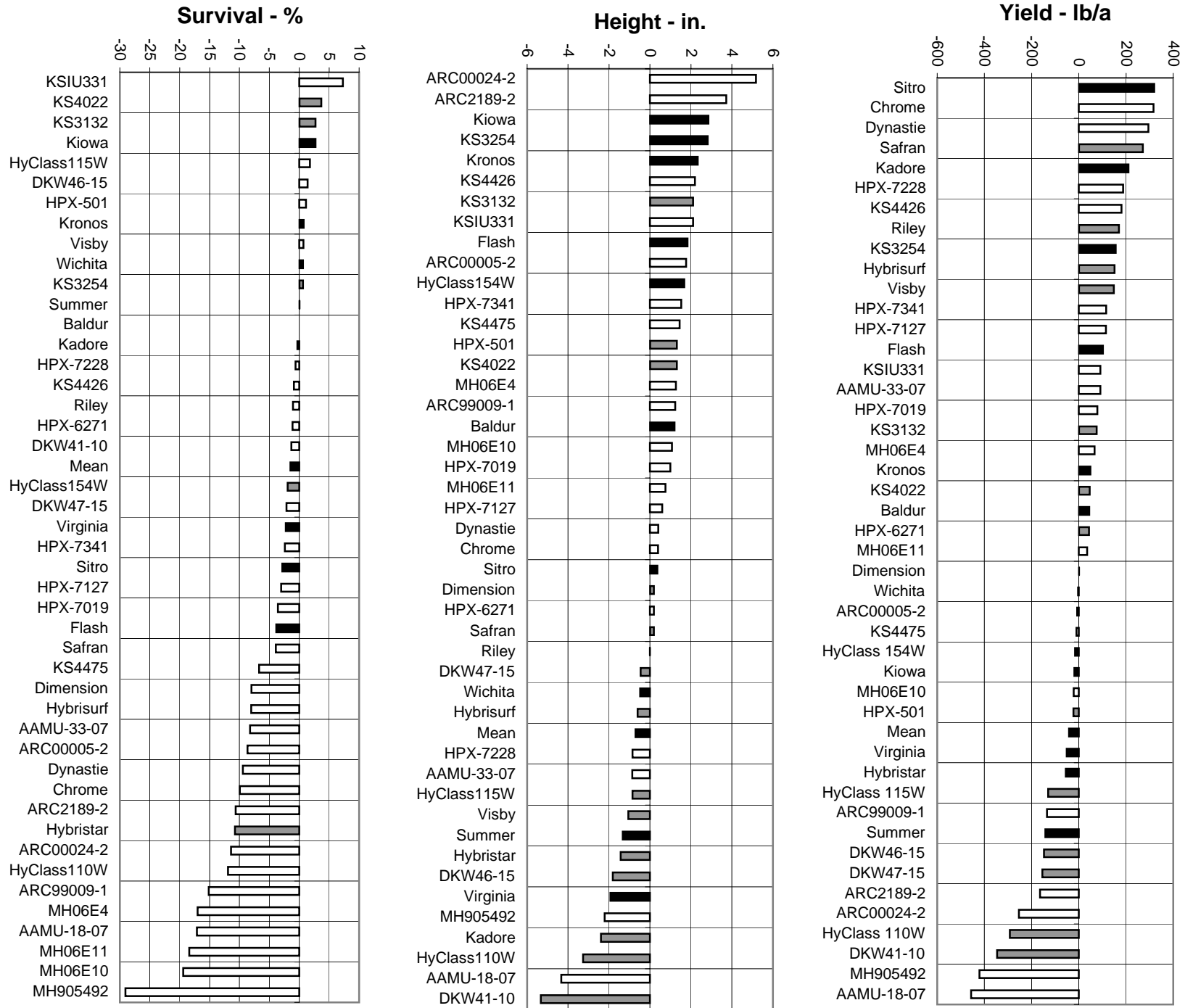
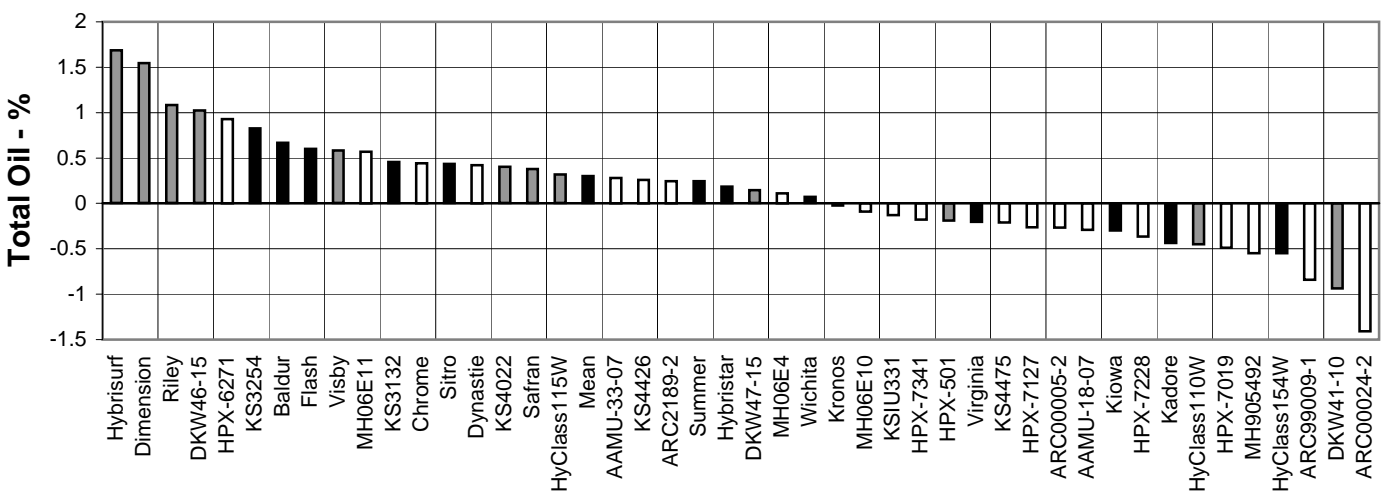
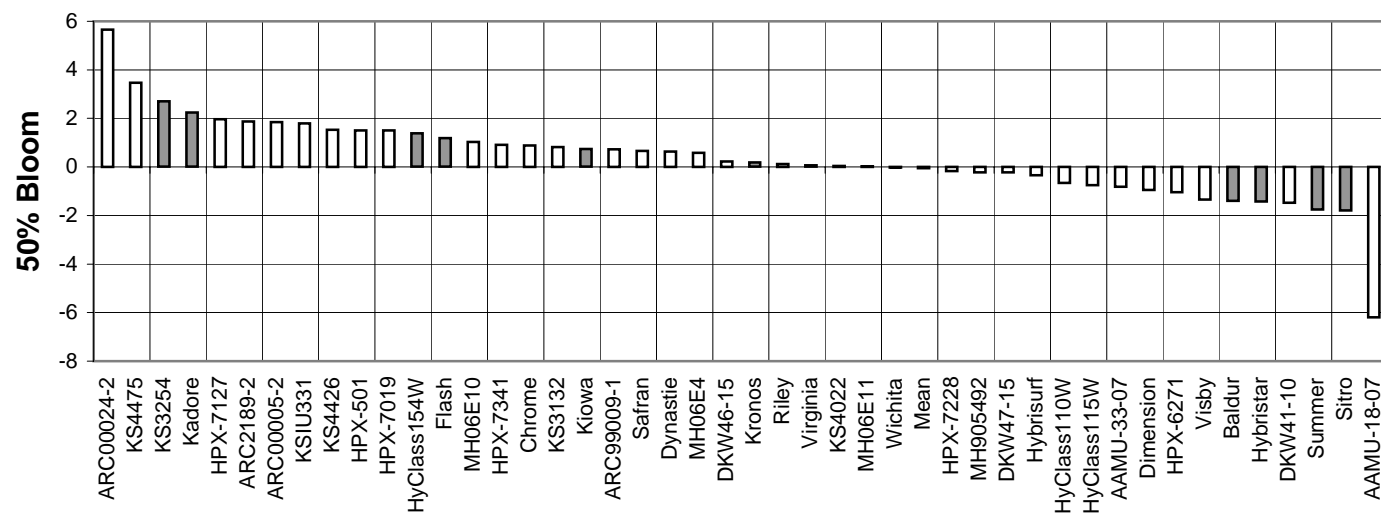


Figure 3. Great Plains Winter Canola Summary, 2005-2010.



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).

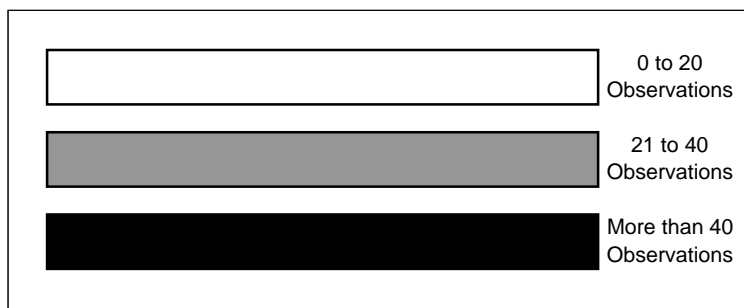


Figure 3. Great Plains Winter Canola Summary, 2005-2010 (continued).

Lamberton, Minnesota

Steve Quiring
University of Minnesota

Planted: 8/28/2009 at 5 lb/a in 7.5-in. rows
Harvested: 7/16/2010
Herbicides: 2 pt/a Reglone
Insecticides: None
Irrigation: None
Previous Crop: Oats
Soil Test: P=21 ppm, K=171 ppm, and pH=6.3
Fertilizer: 110-0-0 lb N-P-K fertilizer in fall
Elevation: 1427 ft Latitude: 44° 12'N

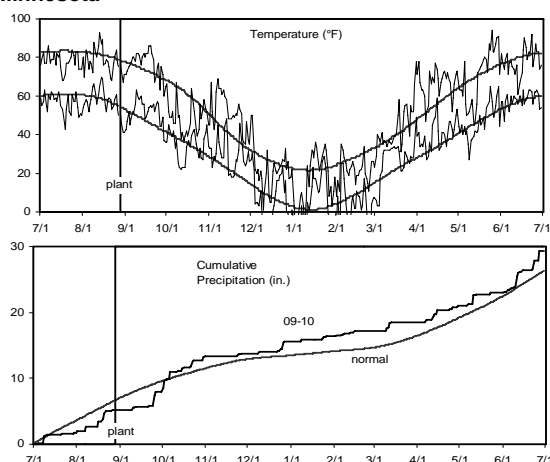


Table 33. Results for the 2010 National Winter Canola Variety Trial at Lamberton, MN

Name	Yield (lb/a)			Yield (% of test avg.)	Plant			Test			
	2010	2009	2-Yr.		Winter Survival (%)	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)	
Alabama A&M University											
AAMU-18-07	1256	---	---	91	---	---	---	---	---	24.3	42.7
AAMU-33-07	1540	---	---	112	---	---	---	---	---	24.9	42.2
Croplan Genetics											
HyClass110W	899	---	---	65	---	---	---	---	---	27.7	40.5
HyClass115W	1070	---	---	78	---	---	---	---	---	26.7	39.8
HyClass154W	915	---	---	66	---	---	---	---	---	26.5	37.0
DEKALB											
DKW41-10	1288	---	---	93	---	---	---	---	---	27.9	39.5
DKW46-15	1097	---	---	80	---	---	---	---	---	24.8	42.3
DKW47-15	1122	---	---	81	---	---	---	---	---	26.9	39.0
DL Seeds Inc.											
Baldur	1439	---	---	104	---	---	---	---	---	24.3	43.7
Dimension	1157	---	---	84	---	---	---	---	---	23.0	45.1
Dynastie	1366	---	---	99	---	---	---	---	---	22.6	42.5
Flash	1400	---	---	102	---	---	---	---	---	25.5	40.0
Safran	2223	---	---	161	---	---	---	---	---	24.9	42.8
Sitro	2198	---	---	160	---	---	---	---	---	23.5	42.9
Visby	1616	---	---	117	---	---	---	---	---	24.0	43.2
High Plains Crop Development											
HPX-501	1650	---	---	120	---	---	---	---	---	26.3	42.5
HPX-6271	1499	---	---	109	---	---	---	---	---	26.4	43.0
HPX-7019	1403	---	---	102	---	---	---	---	---	25.8	42.5
HPX-7127	1511	---	---	110	---	---	---	---	---	25.7	43.5
HPX-7228	1321	---	---	96	---	---	---	---	---	25.9	40.9
HPX-7341	1033	---	---	75	---	---	---	---	---	26.3	38.8
Kansas State University											
Kiowa	1079	---	---	78	---	---	---	---	---	26.1	42.3
KS3132	1393	---	---	101	---	---	---	---	---	24.7	42.7
KS3254	1200	---	---	87	---	---	---	---	---	25.2	42.0
KS4426	1422	---	---	103	---	---	---	---	---	24.4	43.9
KS4475	1415	---	---	103	---	---	---	---	---	25.6	42.5
Riley	1087	---	---	79	---	---	---	---	---	24.7	43.3
Sumner	1221	---	---	89	---	---	---	---	---	25.7	43.3
Wichita	1457	---	---	106	---	---	---	---	---	25.9	42.8
MOMONT											
Chrome	1713	---	---	124	---	---	---	---	---	23.8	44.3
Hybristar	1410	---	---	102	---	---	---	---	---	25.5	42.3
Hybrisurf	1254	---	---	91	---	---	---	---	---	24.5	41.3
Kadore	1419	---	---	103	---	---	---	---	---	24.1	40.6
MH06E10	1415	---	---	103	---	---	---	---	---	24.7	40.3
MH06E11	1424	---	---	103	---	---	---	---	---	23.7	44.5
MH06E4	1917	---	---	139	---	---	---	---	---	24.3	43.5
MH905492	1369	---	---	99	---	---	---	---	---	25.9	41.3

Table 33. Results for the 2010 National Winter Canola Variety Trial at Lamberton, MN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
University of Arkansas												
ARC00005-2	1277	---	---	93	---	---	---	---	---	---	24.5	43.0
ARC00024-2	1548	---	---	112	---	---	---	---	---	---	25.4	42.5
ARC2189-2	1281	---	---	93	---	---	---	---	---	---	26.1	41.1
ARC99009-1	1705	---	---	124	---	---	---	---	---	---	26.4	41.9
Virginia State University												
Virginia	911	---	---	66	---	---	---	---	---	---	27.2	33.3
Mean	1381	---	---	---	---	---	---	---	---	---	25.3	41.8
CV	23	---	---	---	---	---	---	---	---	---	2.6	4.9
LSD (0.05)	508	---	---	---	---	---	---	---	---	---	1.3	4.2

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.

St. Albans, Vermont

Heather Darby
University of Vermont

Planted: 8/29/2009 at 6 lb/a in 6-in. rows
Harvested: 8/15/2010
Previous Crop: Wheat
Soil Test: NA
Soil Type: Sandy loam
Elevation: 391 ft Latitude: 44° 48'N
Comments: Bird damage was estimated at 35%.
Seeds were pressed with a Kern Kraft
Oil Press model KK40 for oil analysis
by the University of Vermont.

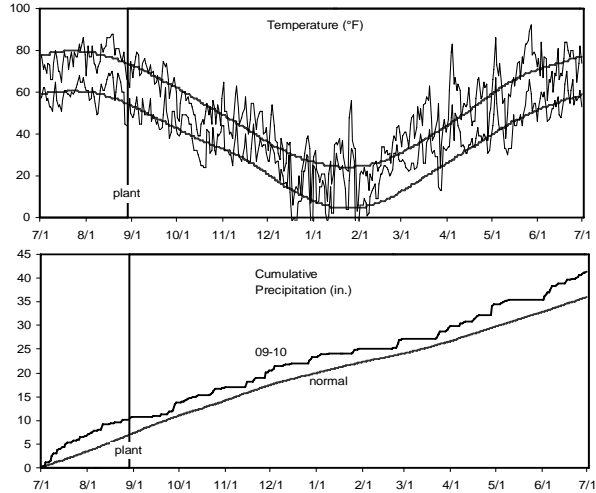


Table 34. Results for the 2010 National Winter Canola Variety Trial at St. Albans, VT

Name	Yield (lb/a)			Yield (% of test avg.)			Plant			Test		
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	Height (in.)	Moisture (%)	Weight (lb/bu)	Protein (%)	Oil (%)
DL Seeds Inc.												
Baldur	3474	---	---	111	---	---	---	---	11.2	---	---	23.5
Kronos	2886	---	---	92	---	---	---	---	10.9	---	---	16.3
Sitro	3522	---	---	112	---	---	---	---	11.0	---	---	22.2
Visby	2775	---	---	88	---	---	---	---	12.8	---	---	26.1
Kansas State University												
Kiowa	3057	---	---	97	---	---	---	---	10.5	---	---	24.5
KS3132	2717	---	---	87	---	---	---	---	9.8	---	---	27.8
KS3254	2658	---	---	85	---	---	---	---	9.8	---	---	26.1
KS4022	3108	---	---	99	---	---	---	---	9.8	---	---	25.4
KS4426	3388	---	---	108	---	---	---	---	10.4	---	---	24.2
KS4475	3014	---	---	96	---	---	---	---	10.7	---	---	27.3
Riley	4029	---	---	128	---	---	---	---	10.0	---	---	23.0
Sumner	2933	---	---	93	---	---	---	---	11.8	---	---	29.6
Wichita	3405	---	---	109	---	---	---	---	10.0	---	---	28.5
MOMONT												
Kadore	3070	---	---	98	---	---	---	---	9.0	---	---	27.8
Virginia State University												
Virginia	3016	---	---	96	---	---	---	---	10.5	---	---	23.2
Mean	3137	---	---	---	---	---	---	---	10.6	---	---	25.0
LSD (0.10)	NS	---	---	---	---	---	---	---	NS	---	---	5.7

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.

Torrington, Wyoming

Charlie Rife
High Plains Crop Development

Planted: 8/22/2009 at 5 lb/a
Harvested: 7/23/2010
Herbicides: 1.25 pt/a Treflan
Insecticides: None
Irrigation: 12 in.
Soil Test: NA
Fertilizer: 30-40-40-30 lb N-P-K-S fertilizer in fall
90-0-0 lb N-P-K fertilizer in spring
Soil Type: Dunday and Dwyer loamy fine sands
Elevation: 4104 ft Latitude: 42° 06'N

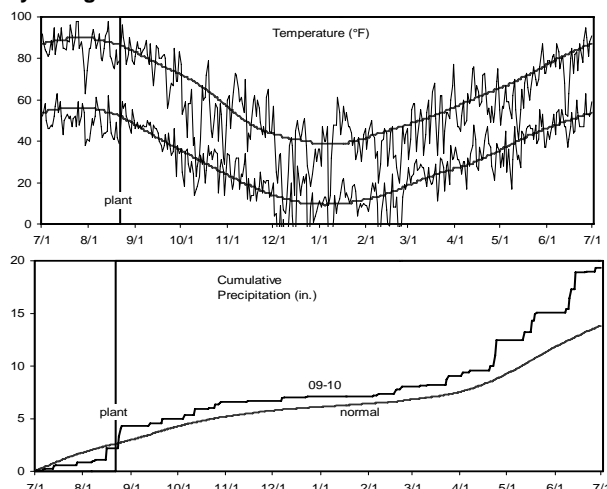


Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY

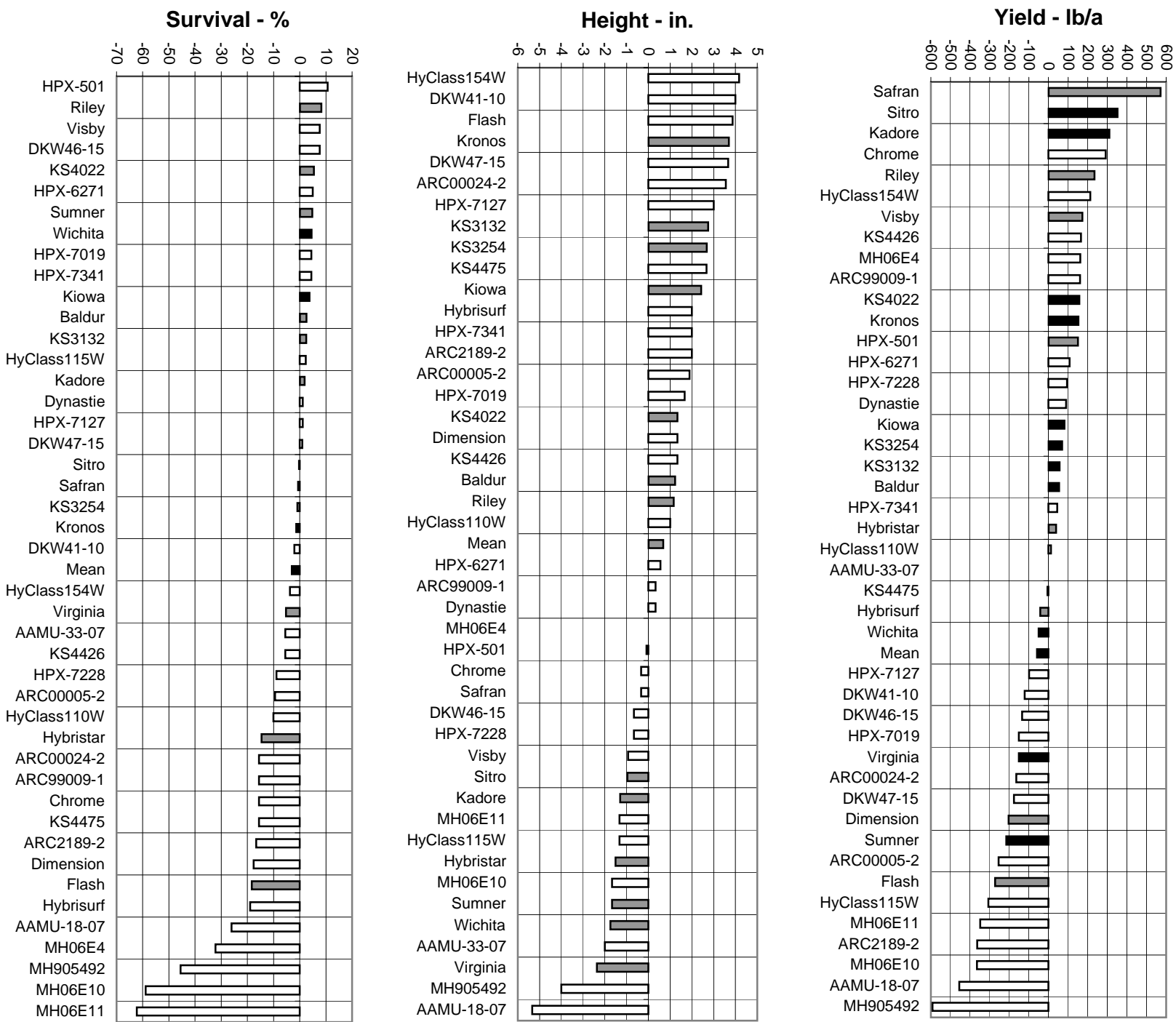
Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2009	2-Yr.			Weight (lb/bu)	Protein (%)	Oil (%)
Alabama A&M University												
AAMU-18-07	1847	1225	1536	84	67	33	50	33	6.1	---	28.5	39.1
AAMU-33-07	2566	2384	2475	117	90	70	80	36	5.8	---	27.2	40.6
DL Seeds Inc.												
Baldur	2178	2625	2401	99	93	87	90	39	6.0	---	25.3	40.4
Dimension	2473	2343	2408	113	70	70	70	37	3.8	---	25.4	42.1
Dynastie	2502	---	---	114	97	---	---	37	6.1	---	23.5	42.6
Flash	1914	1976	1945	87	67	50	58	38	6.4	---	26.4	40.1
Kronos	2260	3086	2673	103	87	88	87	39	6.1	---	26.4	38.6
Safran	2750	3305	3028	125	97	80	88	36	6.1	---	25.7	40.9
Sitro	2587	2712	2650	118	87	65	76	38	6.1	---	25.9	41.0
Visby	2507	3227	2867	114	97	92	94	39	5.9	---	25.5	40.8
High Plains Crop Development												
HPX-501	2436	3131	2784	111	97	93	95	39	6.0	---	28.3	39.8
HPX-6271	2296	2941	2619	105	97	92	94	38	6.0	---	26.6	41.6
HPX-7019	1984	---	---	91	100	---	---	39	6.0	---	27.1	40.8
HPX-7127	1979	---	---	90	97	---	---	40	4.1	---	26.7	40.6
HPX-7228	2557	---	---	117	87	---	---	36	6.0	---	25.1	41.7
HPX-7341	2746	---	---	125	100	---	---	39	5.8	---	27.0	41.1
Kansas State University												
Kiowa	2341	2418	2380	107	90	77	84	37	4.0	---	27.1	40.0
KS3132	2211	3005	2608	101	97	90	93	38	6.4	---	26.3	40.5
KS4426	2646	---	---	121	90	---	---	38	6.0	---	26.4	42.2
KS4475	2515	---	---	115	80	---	---	40	3.8	---	28.1	40.0
Riley	2457	3061	2759	112	100	---	---	41	5.9	---	25.5	41.3
Sumner	2571	2616	2593	117	97	90	93	36	6.1	---	27.3	41.5
Wichita	2201	3174	2688	100	97	90	93	36	6.1	---	27.9	40.0
MOMONT												
Chrome	2558	---	---	117	80	---	---	37	5.9	---	26.2	40.8
Hybristar	1924	2413	2169	88	73	57	65	33	6.3	---	27.6	38.6
Hybrisurf	1519	2247	1883	69	73	40	57	36	6.3	---	26.0	39.9
Kadore	1837	3833	2835	84	67	85	76	37	6.0	---	25.6	41.3
MH06E10	1544	---	---	70	37	---	---	35	6.0	---	27.0	37.7
MH06E11	1568	---	---	72	33	---	---	36	6.4	---	26.5	39.4
MH06E4	2096	---	---	96	63	---	---	37	6.0	---	27.5	37.7
MH905492	1138	---	---	52	50	---	---	33	6.3	---	29.8	36.6
University of Arkansas												
ARC00005-2	2010	2571	2290	92	73	73	73	37	6.1	---	26.4	40.2
ARC00024-2	1696	2050	1873	77	70	58	64	39	5.9	---	27.6	38.5
ARC2189-2	2025	2228	2127	92	77	48	62	39	5.8	---	26.7	40.9
ARC99009-1	2305	---	---	105	80	---	---	37	6.0	---	28.0	39.2

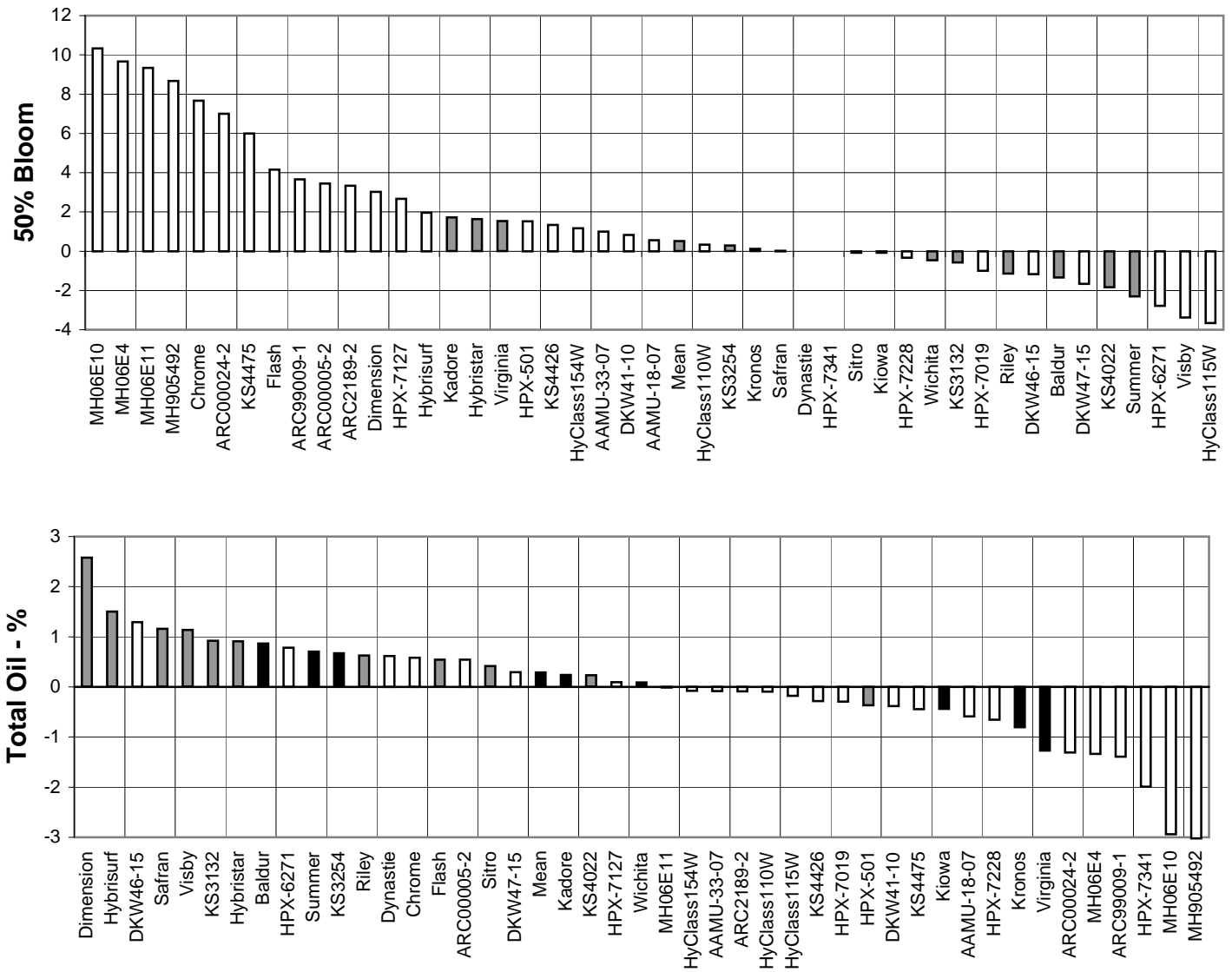
Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height (in.)	Moisture (%)	Test		
	2010	2009	2-Yr.		2010	2010	2009			2-Yr.	Weight (lb/bu)	Protein (%)
Virginia State University												
Virginia	2498	1949	2224	114	83	53	68	34	6.0	---	25.6	41.5
Mean	2192	2693	---	---	82	77	---	37	5.8	---	26.7	40.3
CV	14	14	---	---	10	13	---	4	19.8	---	3.4	2.5
LSD (0.05)	515	621	---	---	13	16	---	3	NS	---	1.8	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, 2005-2010.





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).

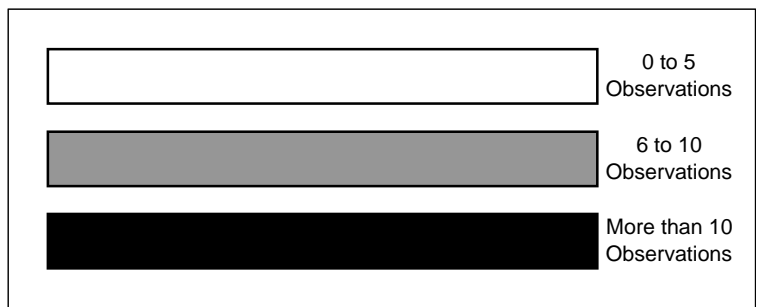


Figure 4. Northern Winter Canola Summary, 2005-2010 (continued).

Table 36. Field Ratings for Resistance to Phoma Blackleg¹
National Winter Canola Variety Trial — Plains, GA

Name	Disease Severity Rating ²			
	3/7/2010	5/6/2010	2009	2008
	-----%-----			
ARC2189-2	0	0	7	--
ARC00005-2	0	0	0	--
ARC00024-2	0	0	7	--
ARC99009-1	0	0	--	--
Baldur	0	3	3	40
Dimension	0	0	3	30
Dynastie	0	0	--	--
Flash	0	0	3	30
Safran	0	0	3	20
Sitro	0	3	0	23
Visby	0	0	0	53
Kiowa	0	0	7	23
KS4022	0	0	0	33
KS4426	0	3	--	--
KS4475	0	0	--	--
Riley	0	0	7	20
Sumner	0	3	10	23
Wichita	0	7	7	30
Chrome	0	0	--	--
Hybristar	0	0	3	27
Hybrisurf	0	0	0	47
Kadore	0	0	0	20
MH06E10	0	0	--	--
MH06E11	0	0	--	--
MH06E4	0	0	--	--
MH905492	0	3	--	--
AAMU-18-07	0	10	33	--
AAMU-33-07	0	0	3	--
Virginia	0	0	7	47
DKW41-10	0	0	0	27
DKW46-15	0	3	3	53
DKW47-15	0	0	0	40
HyClass110W	0	0	3	27
HyClass115W	0	0	0	20
HyClass154W	0	0	0	13

Name	Disease Severity Rating ²			
	3/7/2010	5/6/2010	2009	2008
	-----%-----			
HPX-501	0	0	0	43
HPX-6271	0	7	3	--
HPX-7019	0	0	--	--
HPX-7127	0	3	--	--
HPX-7228	0	0	--	--
HPX-7341	0	0	--	--
KSIU331	3	0	--	--
Cyclone ³	43	70	80	90
Falcon ³	0	10	10	33
Flint ³	3	3	20	47
Oscar ³	3	3	53	83
Westar ³	57	60	73	90
Mean	2	4	7	36
LSD (0.05)	6	5	12	19

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.

³ Included in test as a blackleg standard.

Table 37. Seed sources for entries in the 2009-2010 National Winter Canola Variety Trial

Brand/Name	Type ¹	Trait ²	Release Date	Sd Trt ³	Brand/Name	Type ¹	Trait ²	Release Date	Sd Trt ³
Kansas State University Canola Breeding Program Michael J. Stamm (mjstamm@ksu.edu)					University of Arkansas Dr. Robert Bacon (rbacon@uark.edu)				
KS3132	OP	---	---	H	ARC2189-2	OP	---	---	H
KS3254	OP	---	---	H	ARC00005-2	OP	---	---	H
KS4022	OP	---	---	H	ARC00024-2	OP	---	---	H
KS4426	OP	---	---	H	ARC99009-1	OP	---	---	H
KS4475	OP	---	---	H	Croplan Genetics				
Kiowa	OP	---	2008	H	Jay Bjerke (jemberke@landolakes.com)				
Sumner	OP	SU	2003	H	HyClass 110W	OP	RR	2008	P
Riley	OP	---	2010	H	HyClass 115W	OP	RR/SURT	2008	P
Wichita	OP	---	1999	H	HyClass 154W	Hyb	RR	2008	H
DL Seeds Inc.					DEKALB				
Kevin McCallum (kevin.mccallum@dlseeds.ca)					Robert Ihrig (robert.a.ihrig@monsanto.com)				
Baldur	Hyb	---	2004	H	DKW41-10	OP	RR	2008	P
Dimension	Hyb	---	2008	H	DKW46-15	OP	RR/SURT	2008	P
Dynastie	Hyb	---	2007	H	DKW47-15	OP	RR/SURT	2008	P
Flash	Hyb	---	2007	H	Virginia State University Agricultural Experiment Station				
Safran	Hyb	---	2008	H	Dr. Harbans Bhardwaj (hbhardwj@vsu.edu)				
Sitro	Hyb	---	2007	H	Virginia	OP	---	2003	H
Visby	Hyb	---	2008	H	¹ OP = open pollinated, Hyb = hybrid				
High Plains Crop Development					² RR = Roundup Ready, IMI = imidazolinone resistant, SU =				
Dr. Charlie Rife (rifewy@gmail.com)					sulfonyleurea carryover tolerant, SURT = sulfonyleurea carryover				
HPX-501	OP	IMI	---	H	tolerant				
HPX-6271	OP	---	---	H	³ Sd Trt = Seed treatment (H = Helix XTra, P = Prosper FX)				
HPX-7019	OP	---	---	H					
HPX-7127	OP	---	---	H					
HPX-7228	OP	---	---	H					
HPX-7341	OP	---	---	H					
MOMONT, France									
Dr. Thierry Momont (tmomont@momont.com)									
Chrome	Hyb	---	---	H					
Hybristar	Hyb	---	2006	H					
Hybrisurf	Hyb	---	2008	H					
Kadore	OP	---	2007	H					
MH06E4	Hyb	---	---	H					
MH06E10	Hyb	---	---	H					
MH06E11	Hyb	---	---	H					
MH905492	Hyb	---	---	H					
Alabama A&M University									
Dr. Ernst Cebert (ernst.cebert@aamu.edu)									
AAMU-18-07	OP	---	---	H					
AAMU-33-07	OP	---	---	H					

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

Robert Bacon, University of Arkansas, Fayetteville

Abdel Berrada, Colorado State University, Yellow Jacket

Harbans Bhardwaj, Virginia State University, Petersburg

James Buck and David Spradlin, University of Georgia, Griffin

Perry Cabot and James Valliant, Colorado State University, Rocky Ford

Shaun Casteel, Purdue University, Columbia City

Ernst Cebert, Alabama A&M University, Normal

Gary Cramer, Kansas State University, Wichita

Heather Darby, University of Vermont, St. Albans

Vince Davis, University of Illinois at Urbana-Champaign

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

Dennis Delaney, Auburn University, Auburn, AL

Nurhan Dunford, Oklahoma State University, Stillwater

Russell Freed, Michigan State University, East Lansing

Chad Godsey, Oklahoma State University, Stillwater

Kathleen Grady, South Dakota State University, Brookings

John Hagan, Miles Enterprises, Russellville, KY

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, Jean-Nicolas Enjalbert, and Jim Hain, Colorado State University, Ft. Collins

Bruce Kirksey, Agricenter International, Memphis, TN

Rick Kochenower, Oklahoma State University, Goodwell

James Krall and Jerry Nachtman, University of Wyoming, Lingle

Dale Ladd, Kansas State University, McPherson

John Lamle, Johnston Seed Company, Enid, OK

Kevin Larson, Colorado State University, Walsh

Edwin Lentz, The Ohio State University, Tiffin

Chuck Mansfield, Vincennes University, Vincennes

Heather Mason, Montana State University, Kalispell

Howard Mason, University of Missouri, Columbia

Peter Nelson, BioDimensions, Memphis, TN

Mick O'Neill and Curtis Owen, New Mexico State University, Farmington

Calvin Pearson, Colorado State University, Fruita

Steve Quiring, University of Minnesota, Lamberton

John Rickertsen, South Dakota State University, Rapid City

Charlie Rife, High Plains Crop Development, Torrington, Wyoming

Angela Sebilus, North Dakota State University, Minot

Michael Schmidt and Cathy Schmidt, Southern Illinois University, Carbondale

Robert Schrock, Kiowa, KS

John Sij, Texas AgriLife Research, Vernon

David Starner, Virginia Tech University, Orange

Calvin Trostle, Texas AgriLife Extension Service, Lubbock

Kim Tungate, North Carolina State University, Raleigh

Copyright 2011 Kansas State University Agricultural Experiment Station and Cooperative Extension Service. These materials may be freely reproduced for educational purposes. All other rights reserved. In each case, give credit to the author(s), 2010 National Winter Canola Variety Trial, Kansas State University, January 2011. Contribution no. 10-165-T from the Kansas Agricultural Experiment Station.

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned.

Cover photo by Mark Boyles, Oklahoma State University.

Publications from Kansas State University are available on the World Wide Web at:

www.ksre.ksu.edu

Kansas State University Agricultural Experiment Station and Cooperative Extension Service