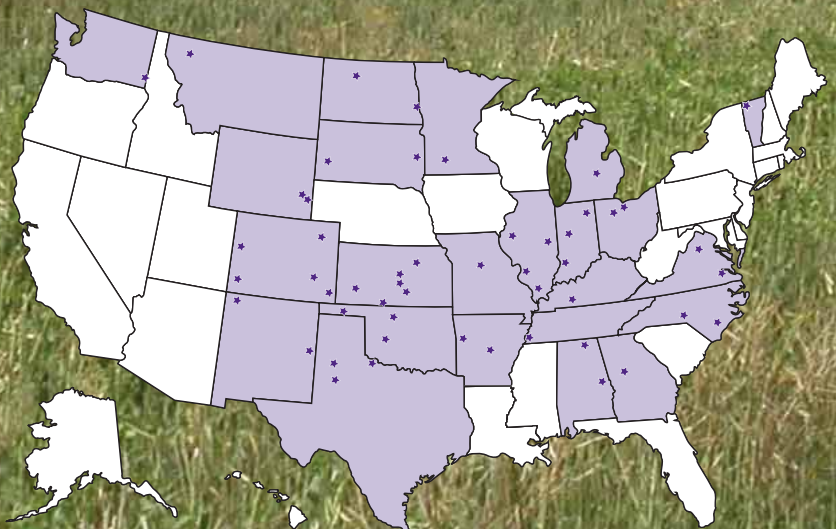


2010 National Winter Canola Variety Trial

Report of Progress 1044



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



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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; Lamberton, 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

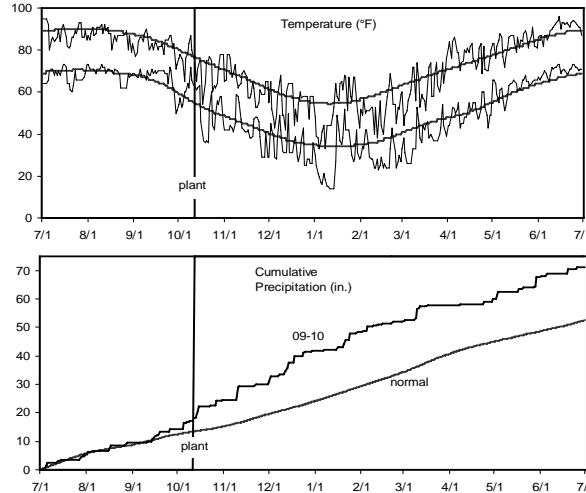


Table 1. Results for the 2010 National Winter Canola Variety Trial at Auburn, AL

| 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 Ceibert
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

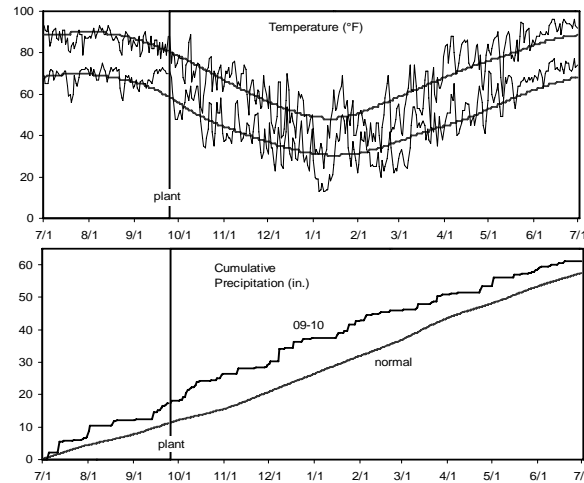


Table 2. Results for the 2010 National Winter Canola Variety Trial at Meridianville, AL

| 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.) | Winter Survival (%) | | | Plant Height (in.) | Moisture (%) | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
| | 2010 | 2009 | 2-Yr. | | 2010 | 2010 | 2009 | | | 2-Yr. | Weight (lb/bu) | Protein (%) |
| 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

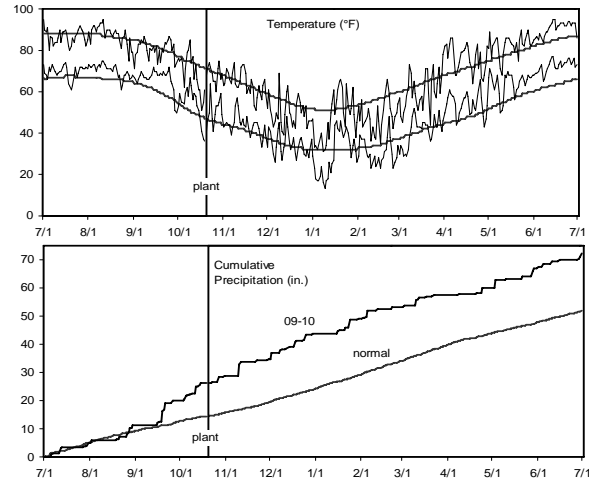


Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, GA

| 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

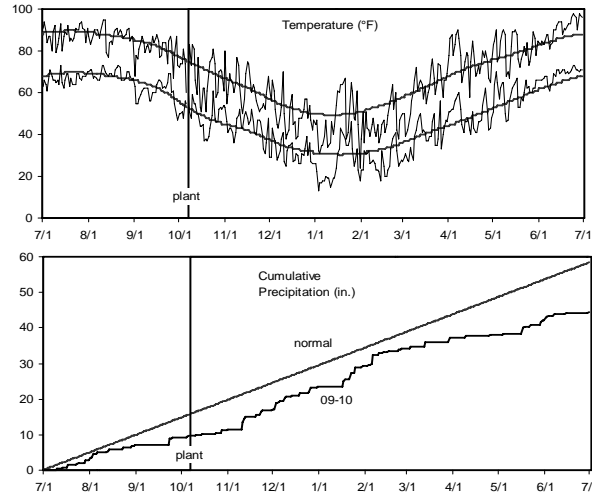


Table 4. Results for the 2010 National Winter Canola Variety Trial at Jackson Springs, NC

| 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

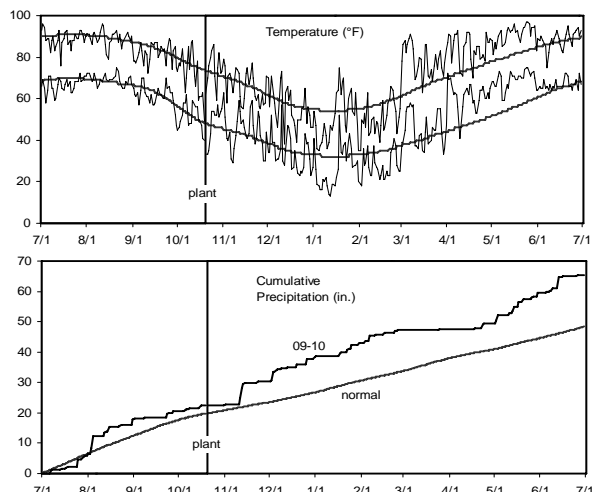


Table 5. Results for the 2010 National Winter Canola Variety Trial at Williamsdale, NC

| 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

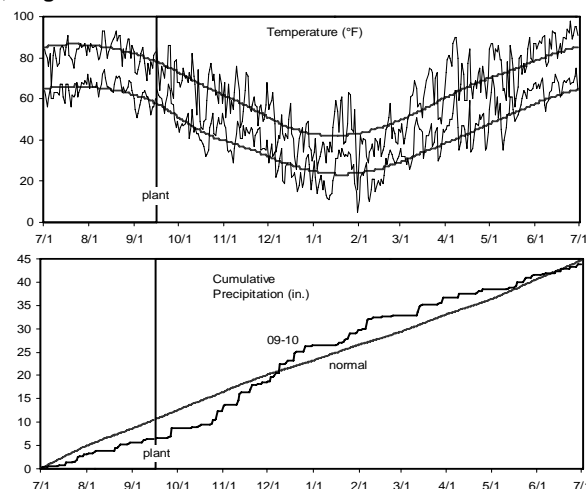


Table 6. Results for the 2010 National Winter Canola Variety Trial at Orange, VA

| 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

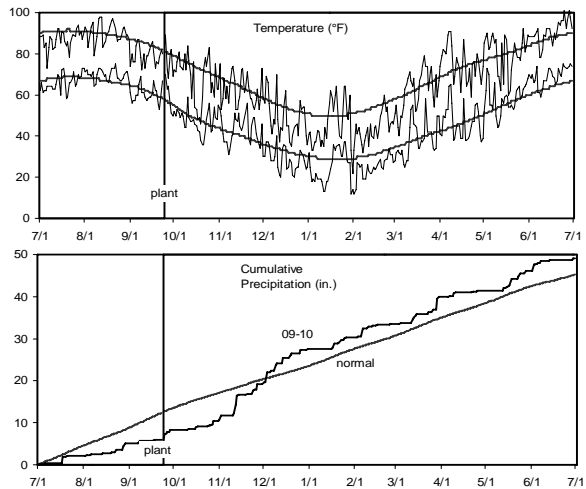


Table 7. Results for the 2010 National Winter Canola Variety Trial at Petersburg, VA

| 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.

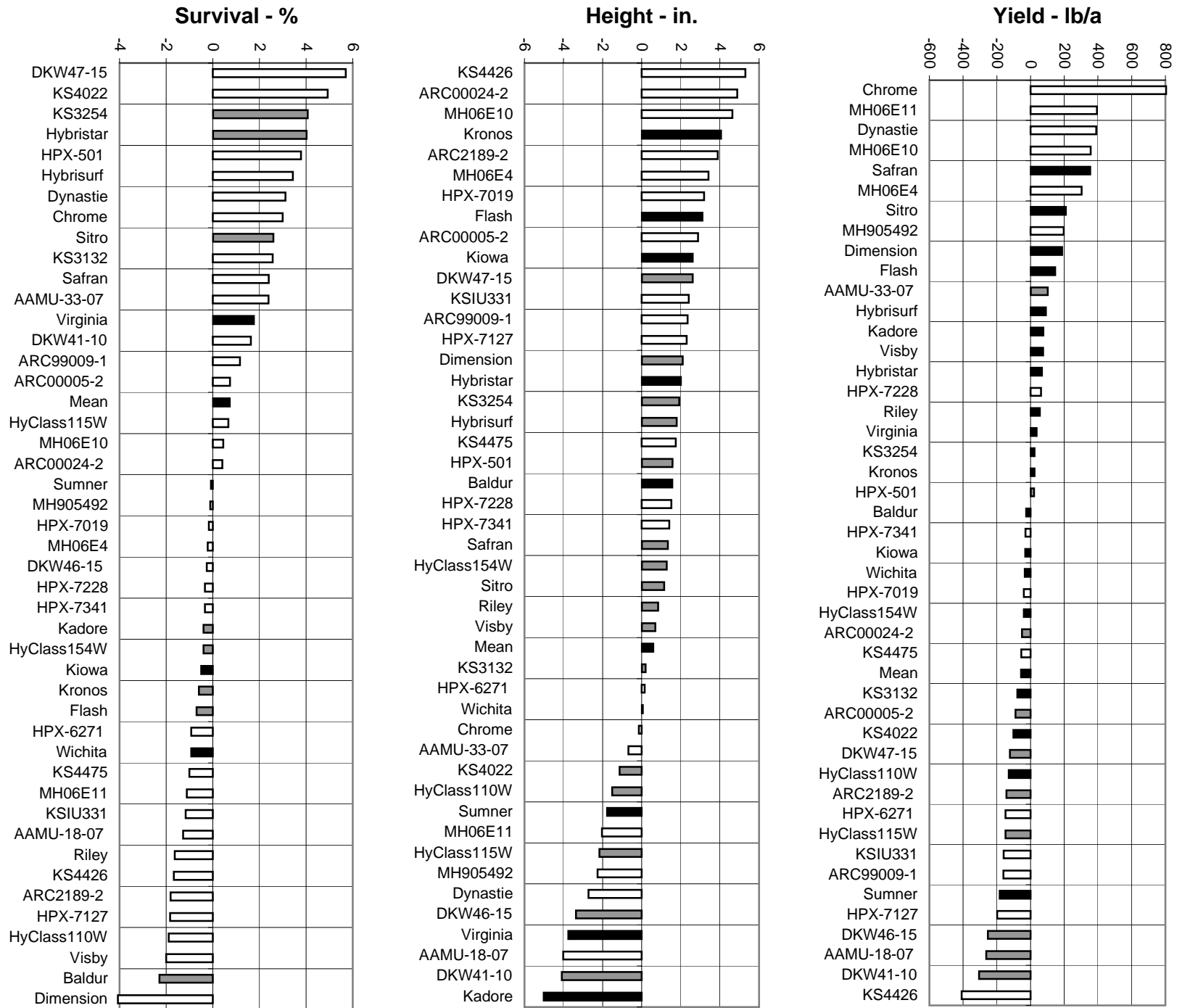
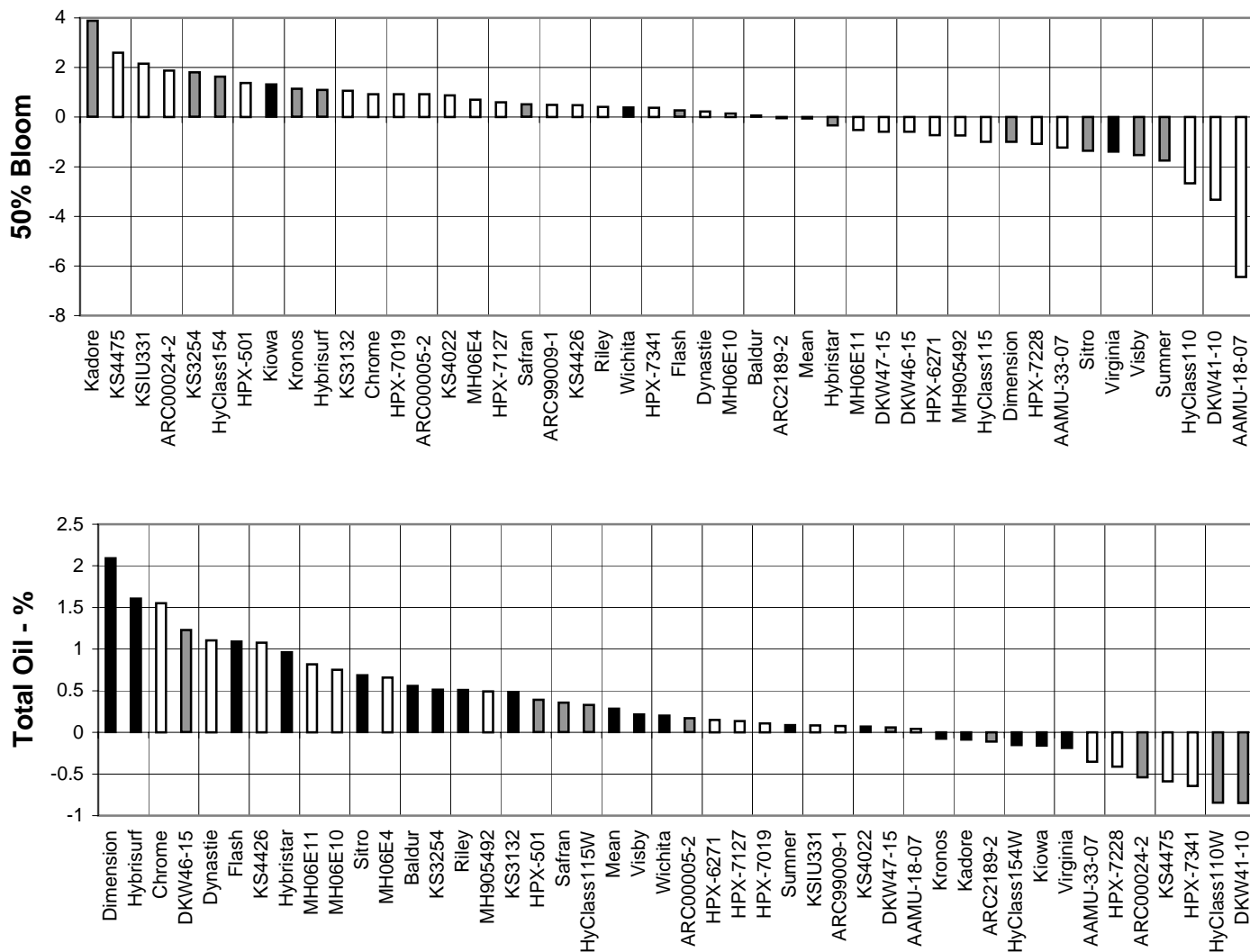


Figure 1. Southeast Winter Canola Summary, 2005-2010.



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).

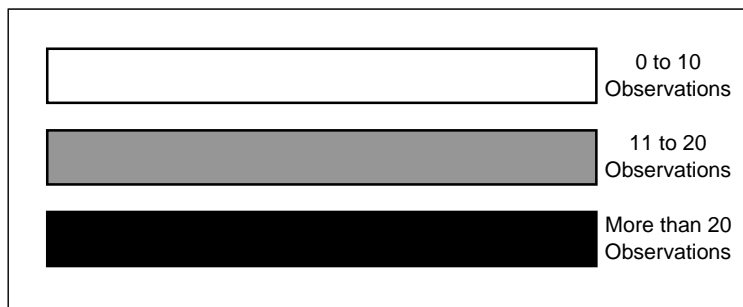


Figure 1. Southeast Winter Canola Summary, 2005-2010 (continued).

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

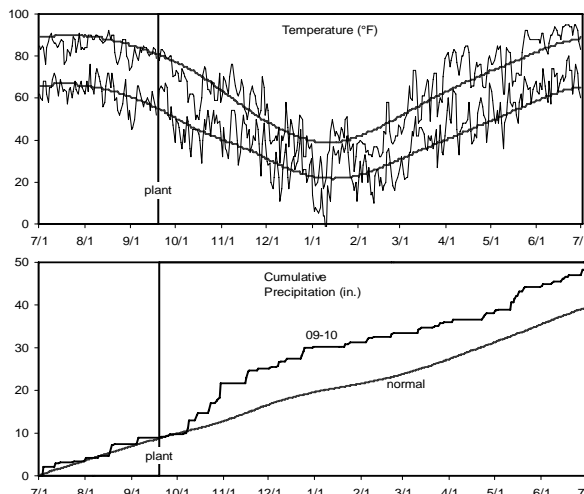


Table 8. Results for the 2010 National Winter Canola Variety Trial at Belleville, IL

| 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

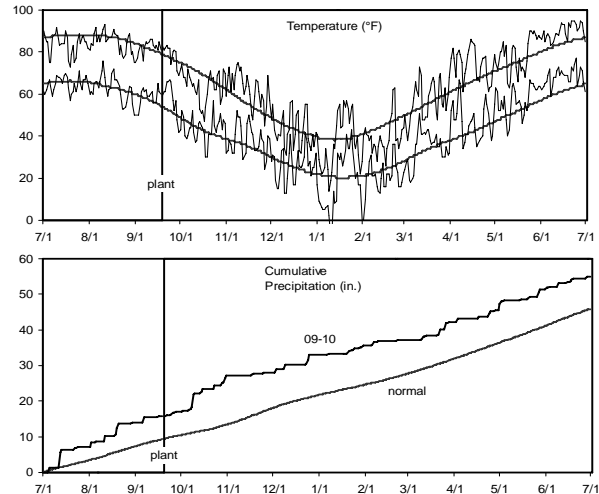


Table 9. Results for the 2010 National Winter Canola Variety Trial at Carbondale, IL

| 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 | 2009 | 2-Yr. | | | Weight (lb/bu) | Protein (%) | Oil (%) |
| 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

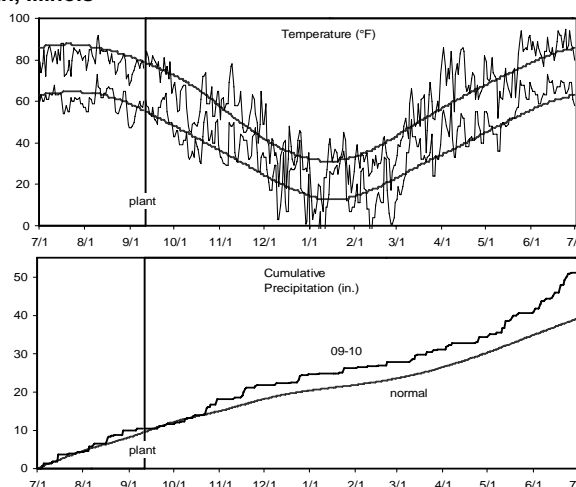


Table 10. Results for the 2010 National Winter Canola Variety Trial at Monmouth, IL

| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Plant | | | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
| | 2010 | 2009 | 2-Yr. | 2010 | 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.) | Winter Survival (%) | | | Plant Height (in.) | Moisture (%) | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
| | 2010 | 2009 | 2-Yr. | | 2010 | 2010 | 2009 | | | 2-Yr. | Weight (lb/bu) | Protein (%) |
| 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

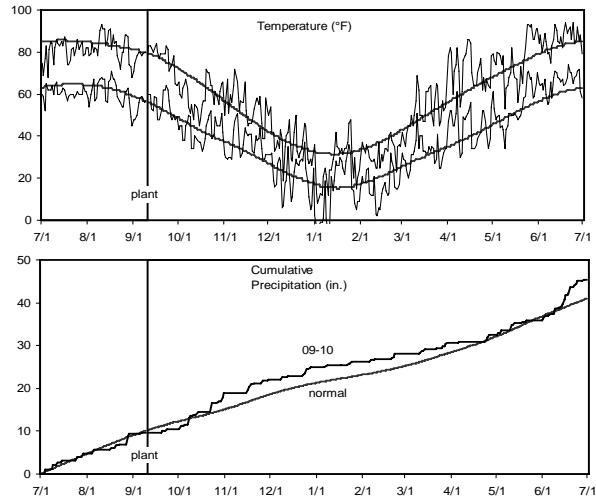


Table 11. Results for the 2010 National Winter Canola Variety Trial at Urbana, IL

| 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 (in.) | Moisture (%) | Test | | |
|-------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
| | 2010 | 2009 | 2-Yr. | | 2010 | 2010 | 2009 | | | 2-Yr. | Weight (lb/bu) | Protein (%) |
| 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.

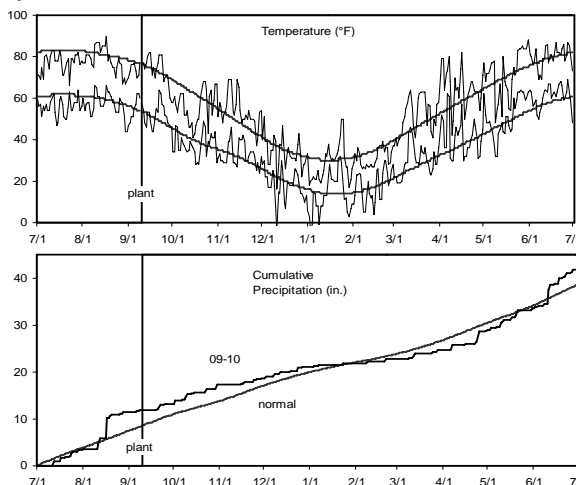


Table 12. Results for the 2010 National Winter Canola Variety Trial at Columbia City, IN

| 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

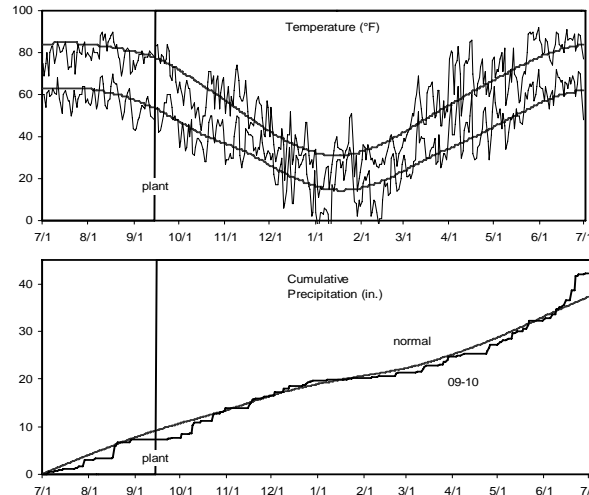


Table 13. Results for the 2010 National Winter Canola Variety Trial at Throckmorton, IN

| 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 (in.) | Moisture (%) | Test | | |
|-------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
| | 2010 | 2009 | 2-Yr. | | 2010 | 2010 | 2009 | | | 2-Yr. | Weight (lb/bu) | Protein (%) |
| 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

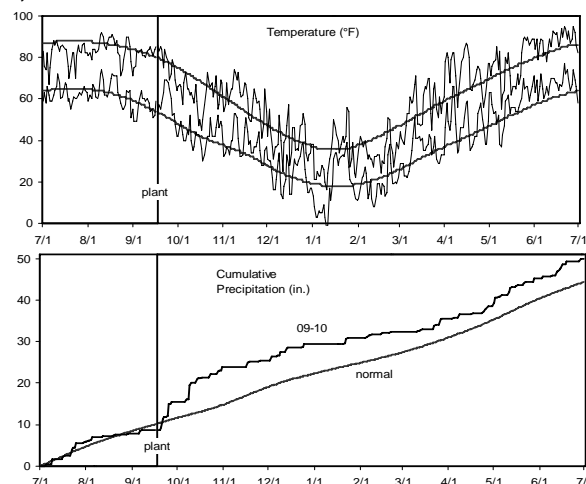


Table 14. Results for the 2010 National Winter Canola Variety Trial at Vincennes, IN

| 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

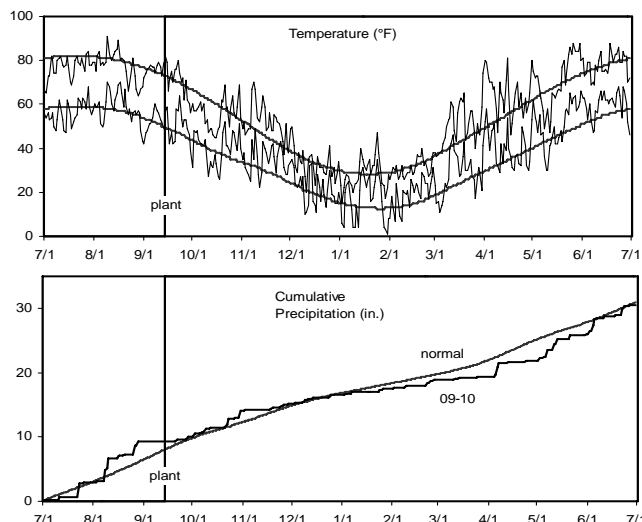


Table 15. Results for the 2010 National Winter Canola Variety Trial at East Lansing, MI

| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Winter Survival (%) | | | Plant Height (in.) | Moisture (%) | Test Weight | | |
|-------------------------------------|--------------|------|-------|------------------------|------|-------|---------------------|------|-------|--------------------|--------------|-------------|-----|---------|
| | 2010 | 2009 | 2-Yr. | 2010 | 2009 | 2-Yr. | 2010 | 2009 | 2-Yr. | | | (lb/bu) | (%) | 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 | 2009 | 2-Yr. | 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

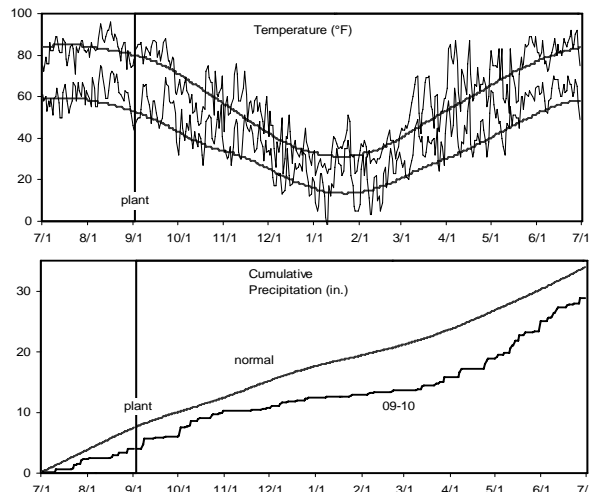


Table 16. Results for the 2010 National Winter Canola Variety Trial at Custar, OH

| 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 Custar, 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.

Fremont, Ohio

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

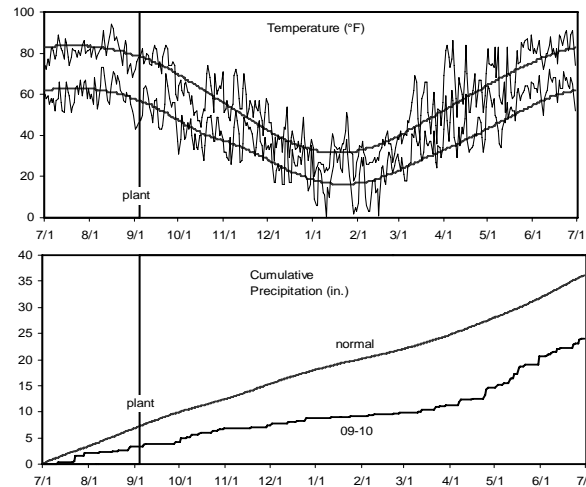


Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH

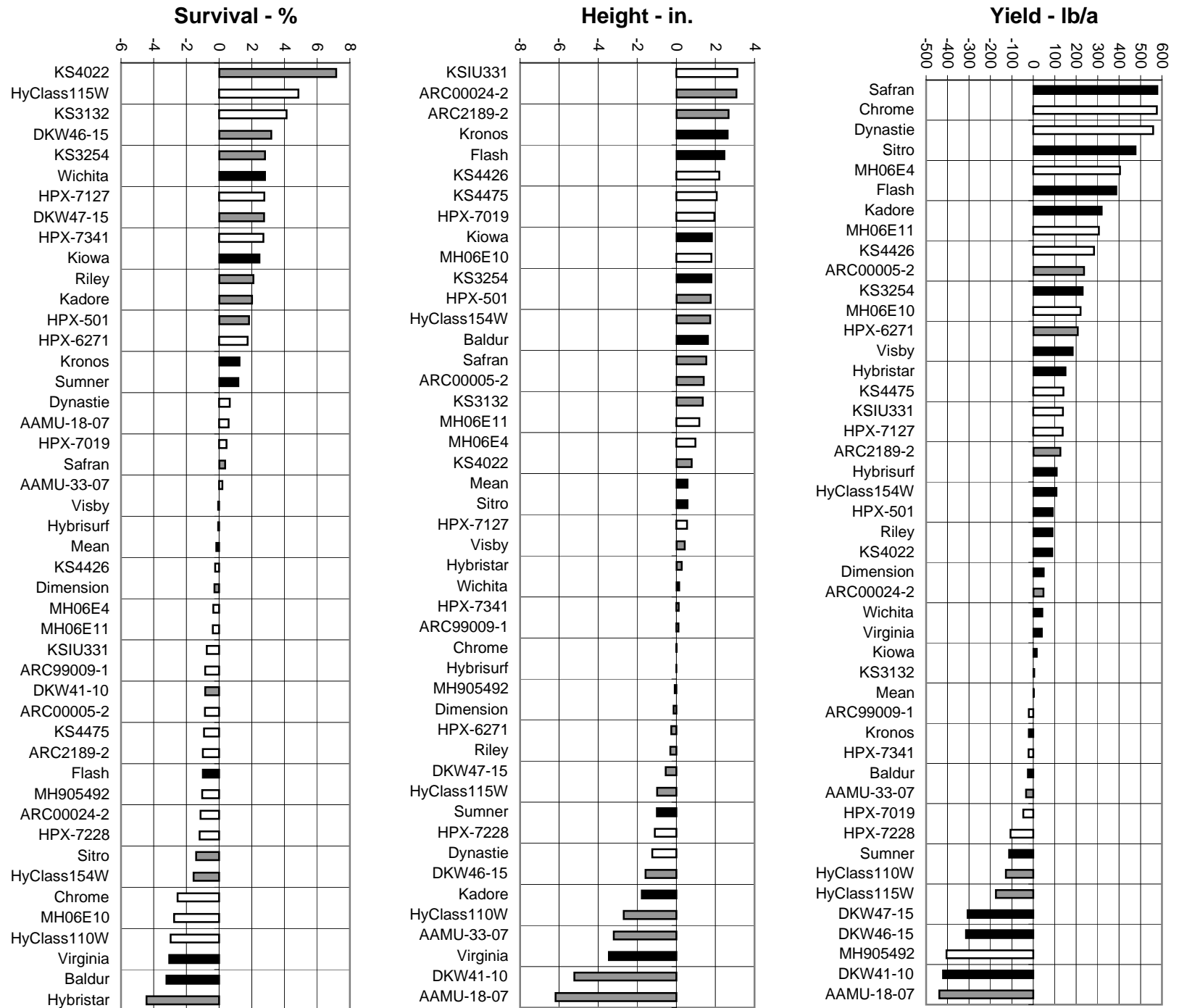
| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | | Plant | | | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|---------|--|
| | 2010 | 2009 | 2-Yr. | 2010 | 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 | |

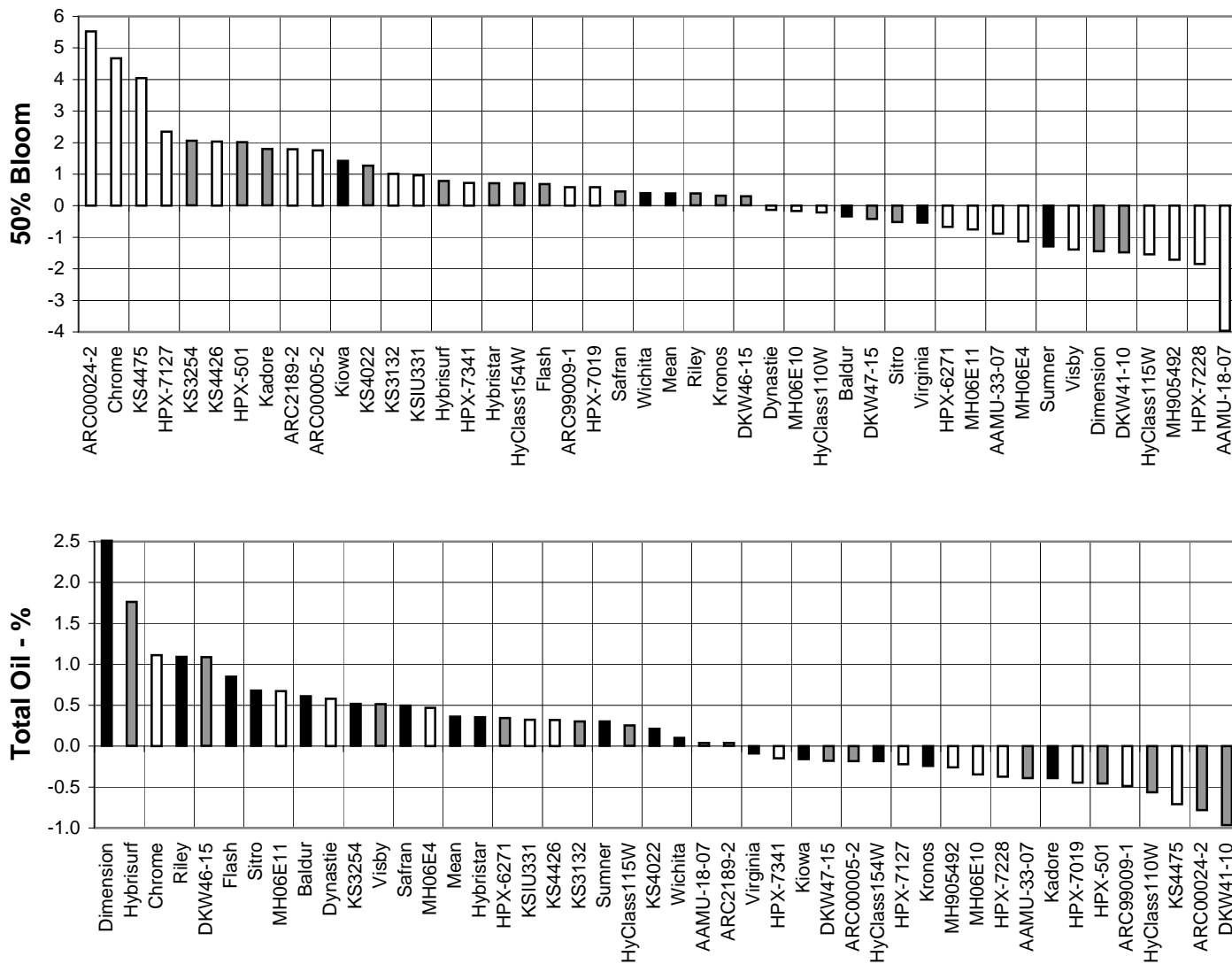
Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH

| Name | Yield (lb/a) | | | Yield (% of test avg.) | Winter Survival (%) | | | Plant Height (in.) | Moisture (%) | Test | | |
|----------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
| | 2010 | 2009 | 2-Yr. | | 2010 | 2010 | 2009 | | | 2-Yr. | Weight (lb/bu) | Protein (%) |
| 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).

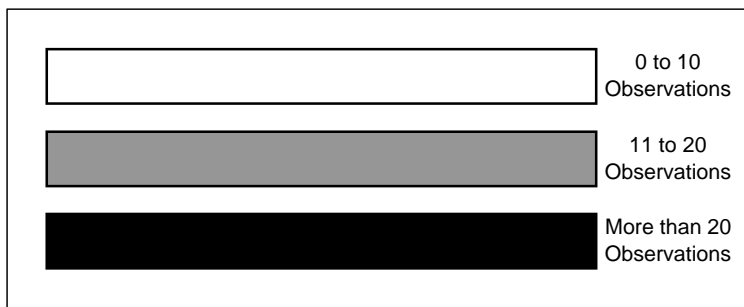


Figure 2. Midwest Winter Canola Summary, 2005-2010 (continued).

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

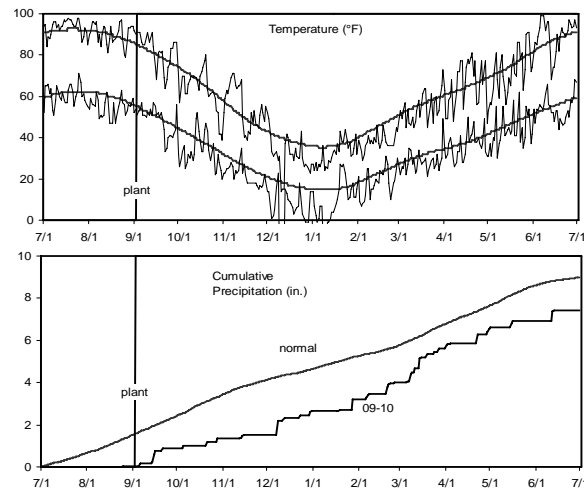


Table 18. Results for the 2010 National Winter Canola Variety Trial at Fruita, CO

| 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

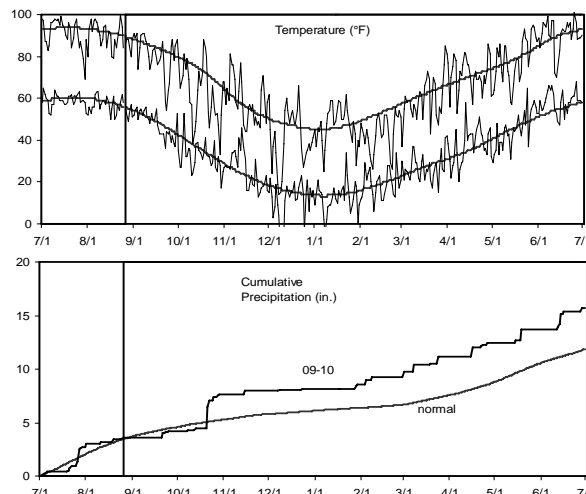


Table 19. Results for the 2010 National Winter Canola Variety Trial at Rocky Ford, CO

| 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 Treflan
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

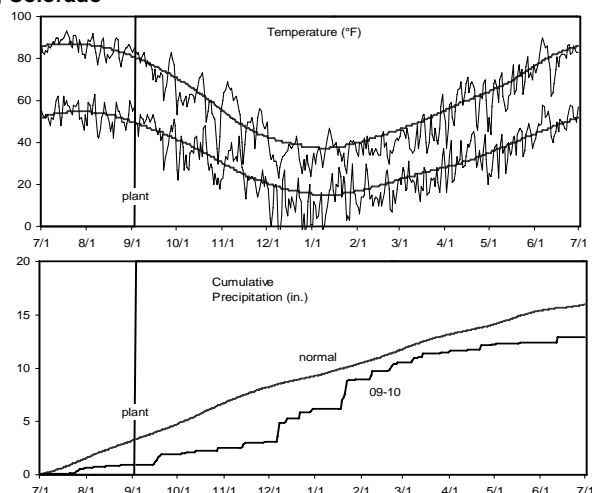


Table 20. Results for the 2010 National Winter Canola Variety Trial at Yellow Jacket, CO

| 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

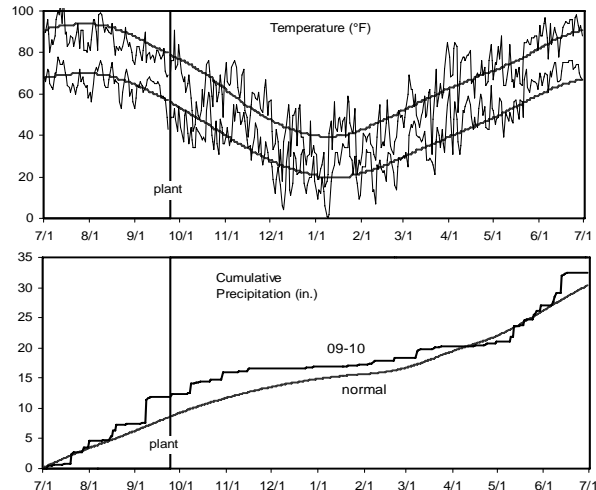


Table 21. Results for the 2010 National Winter Canola Variety Trial at Clearwater, KS

| 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

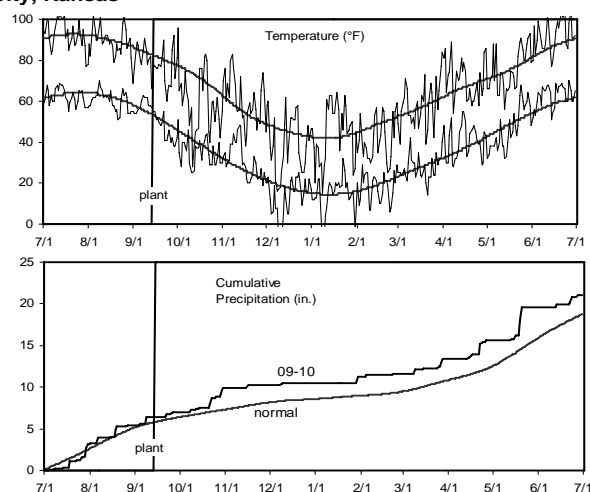


Table 22. Results for the 2010 National Winter Canola Variety Trial at Garden City, KS

| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Plant | | Test | | | |
|-------------------------------------|--------------|------|-------|------------------------|------|-------|--------------|--------------|----------------|-------------|-------------|--|
| | 2010 | 2009 | 2-Yr. | 2010 | 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.) | | | | Plant | | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
| | 2010 | 2009 | 2-Yr. | 2010 | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| 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

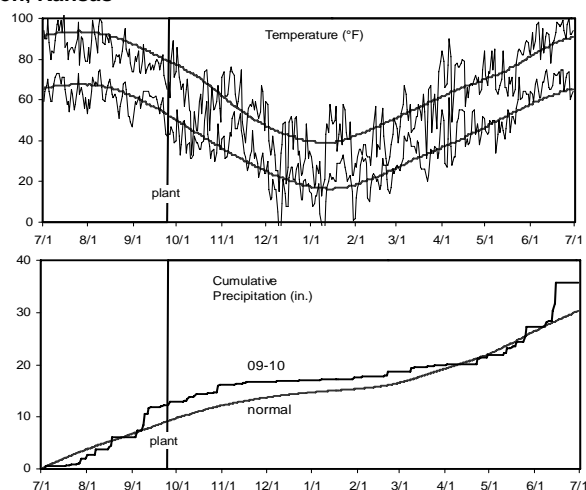


Table 23. Results for the 2010 National Winter Canola Variety Trial at Hutchinson, KS

| 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.

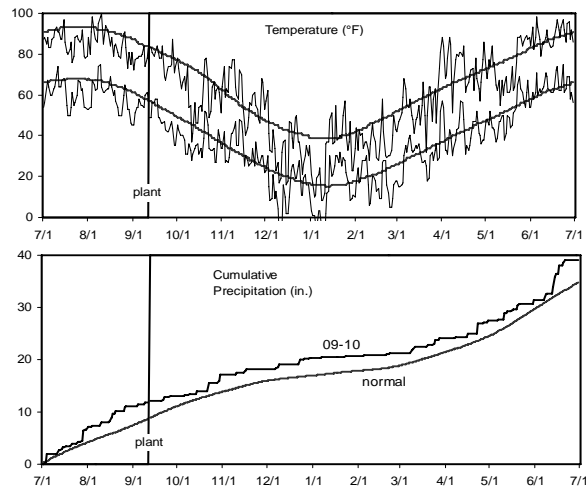


Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

| 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

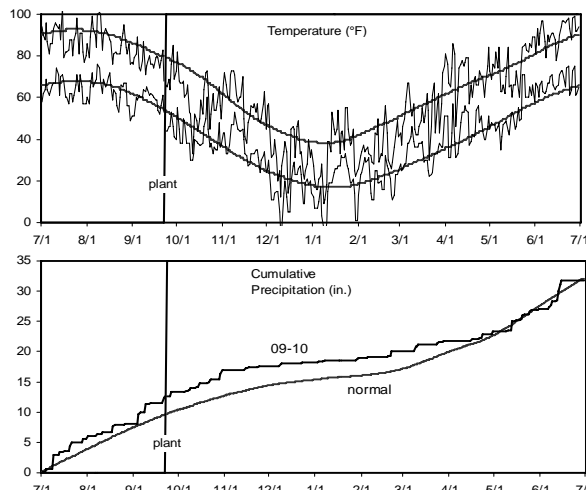


Table 25. Results for the 2010 National Winter Canola Variety Trial at Marquette, KS

| 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

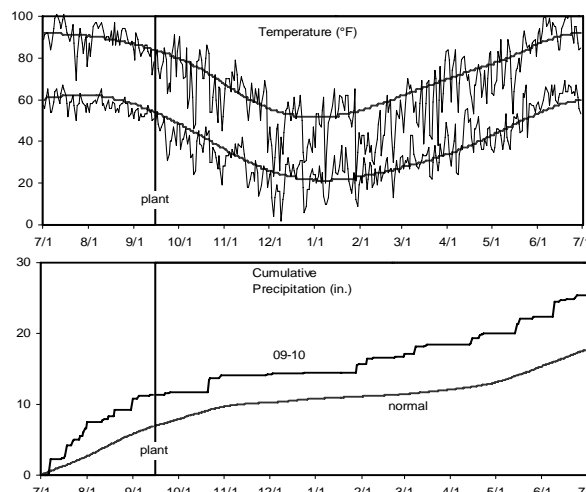


Table 26. Results for the 2010 National Winter Canola Variety Trial at Clovis, NM

| 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

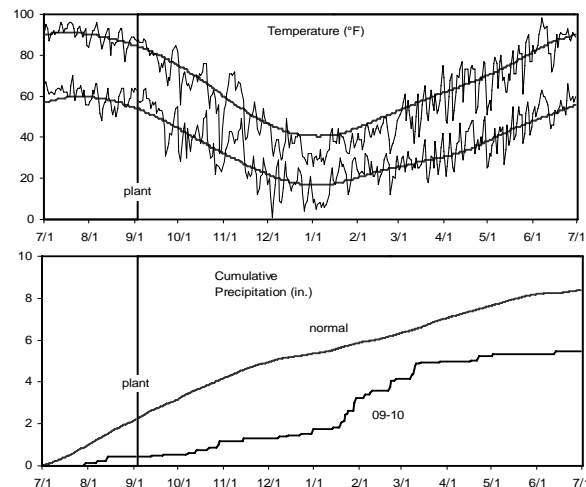


Table 27. Results for the 2010 National Winter Canola Variety Trial at Farmington, NM

| 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.

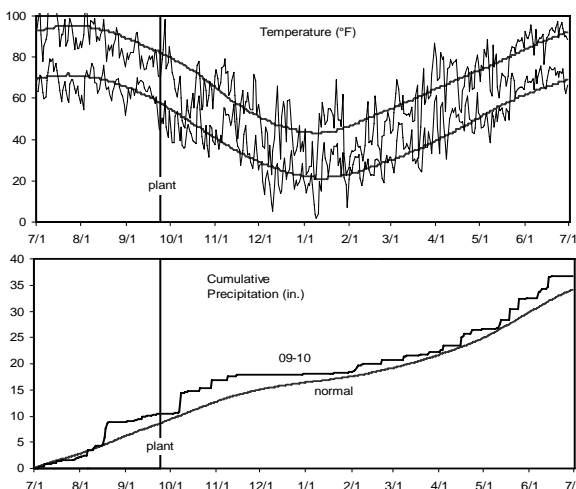


Table 28. Results for the 2010 National Winter Canola Variety Trial at Enid, OK

| 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

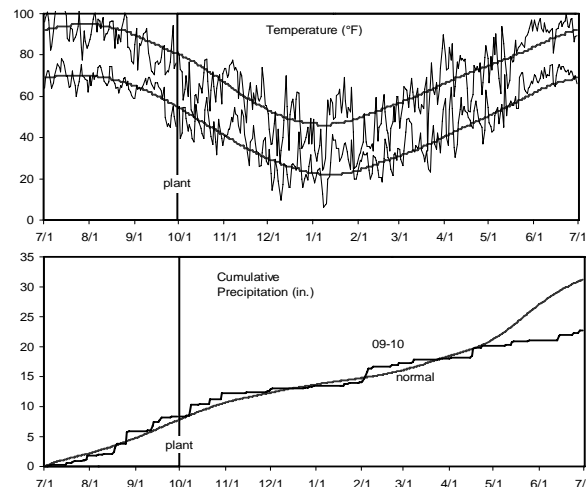


Table 29. Results for the 2010 National Winter Canola Variety Trial at Fort Cobb, OK

| 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.) | | | | Plant | | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
| | 2010 | 2009 | 2-Yr. | 2010 | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| 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

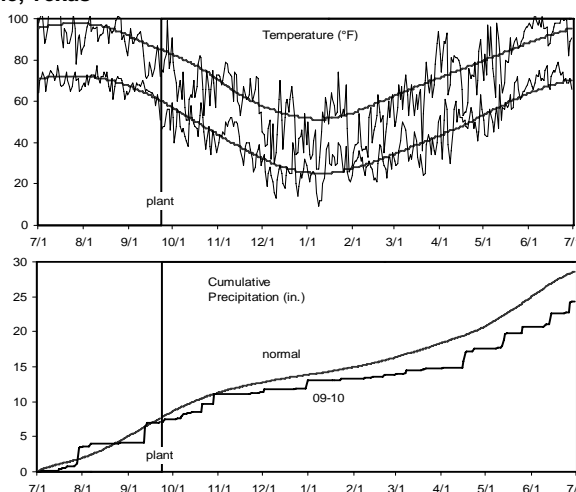


Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, TX

| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Plant | | | Test | | |
|-------------------------------------|--------------|------|-------|------------------------|------|-------|--------------|--------------|----------------|-------------|-------------|--|
| | 2010 | 2009 | 2-Yr. | 2010 | 2010 | 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

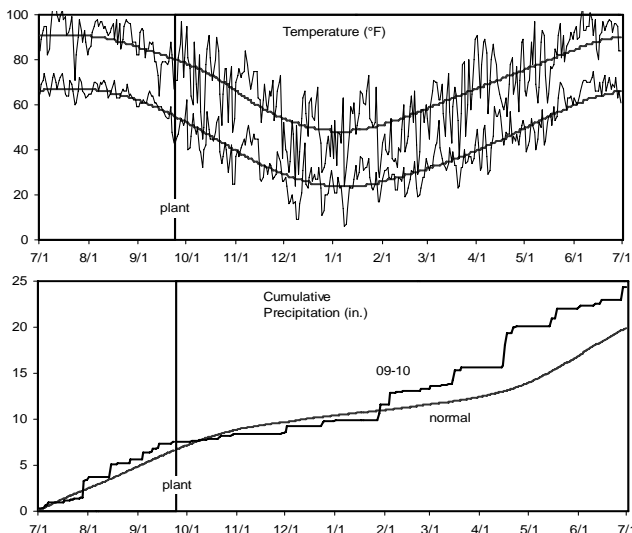


Table 31. Results for the 2010 National Winter Canola Variety Trial at Halfway, TX

| 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

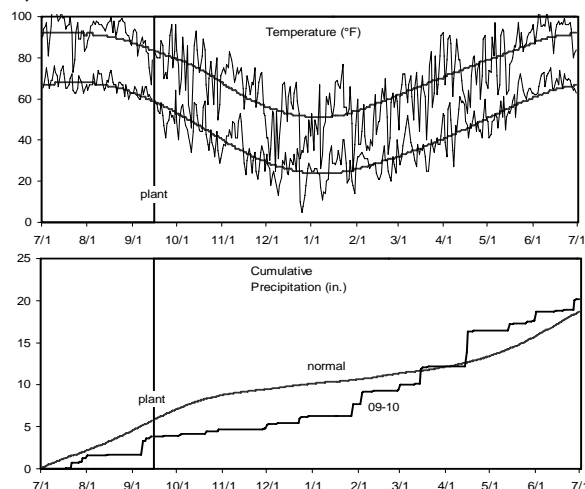


Table 32. Results for the 2010 National Winter Canola Variety Trial at Lubbock, TX

| 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.

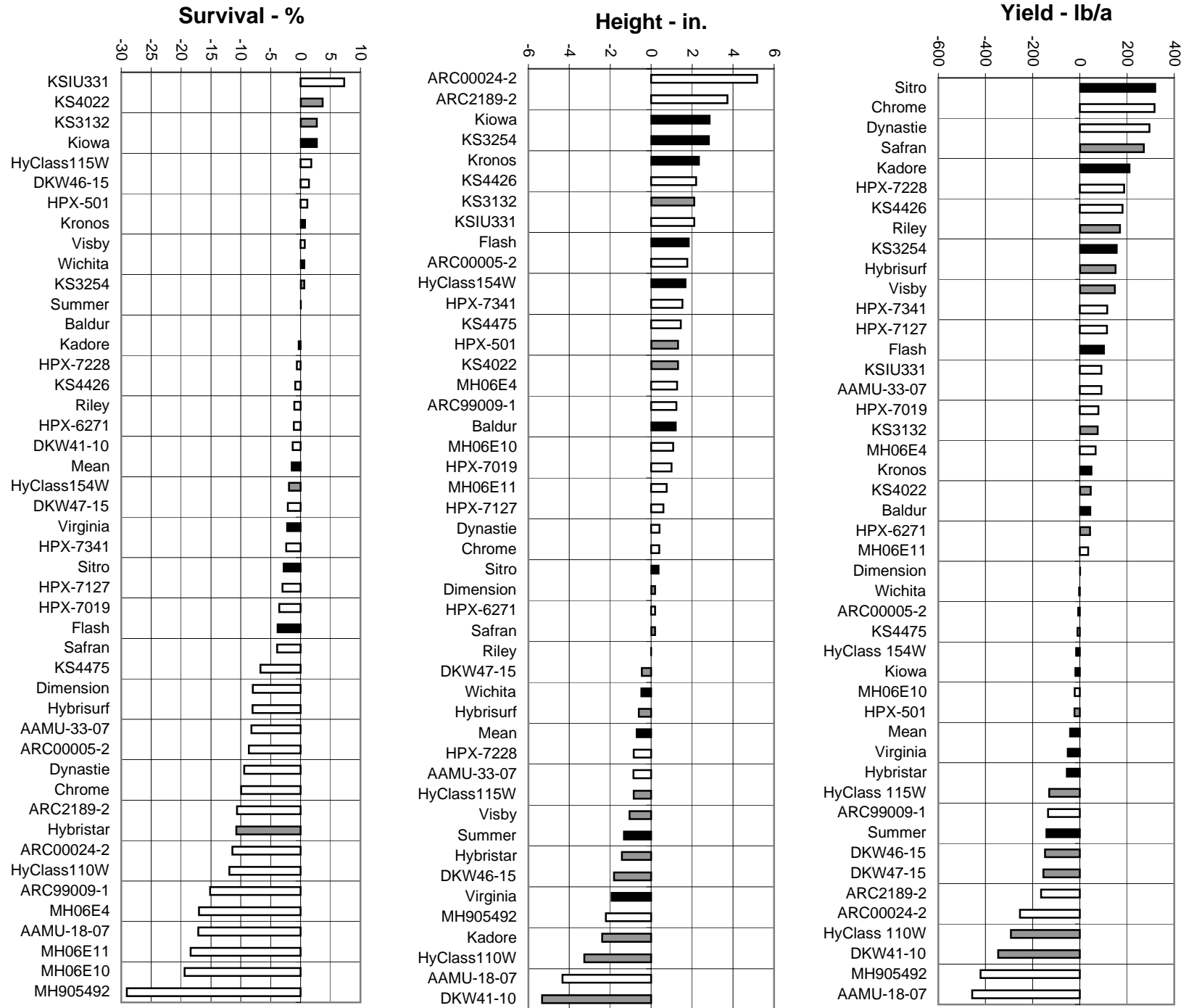
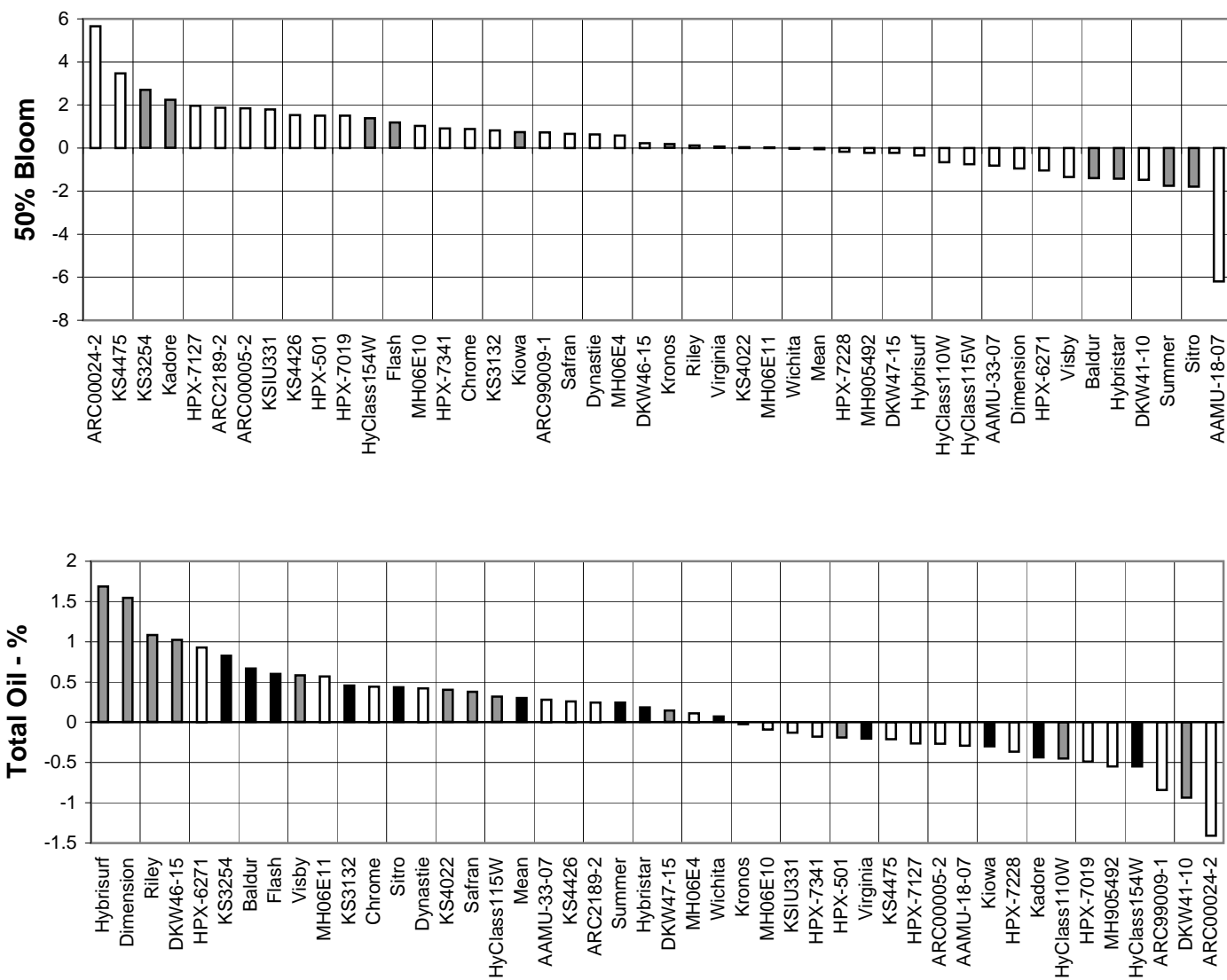


Figure 3. Great Plains Winter Canola Summary, 2005-2010.



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).

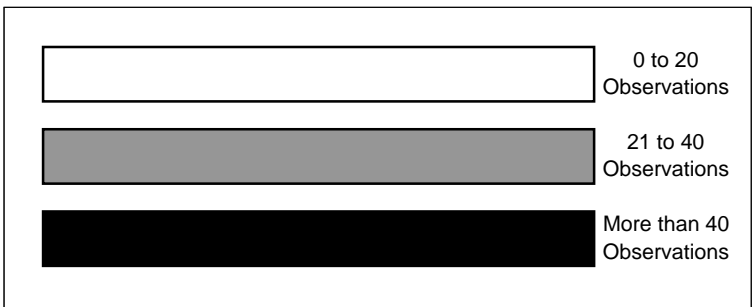


Figure 3. Great Plains Winter Canola Summary, 2005-2010 (continued).

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

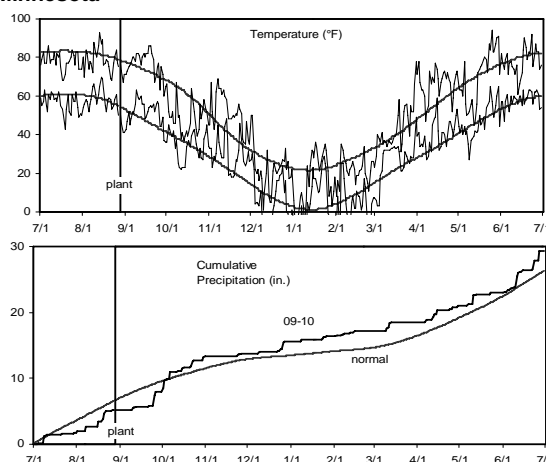


Table 33. Results for the 2010 National Winter Canola Variety Trial at Lamberton, MN

| 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.

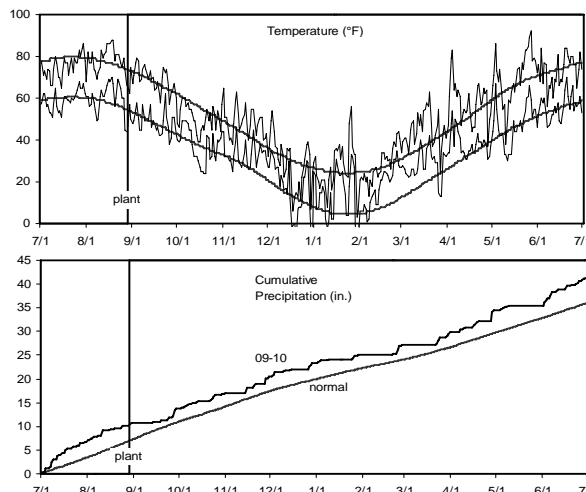


Table 34. Results for the 2010 National Winter Canola Variety Trial at St. Albans, VT

| 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

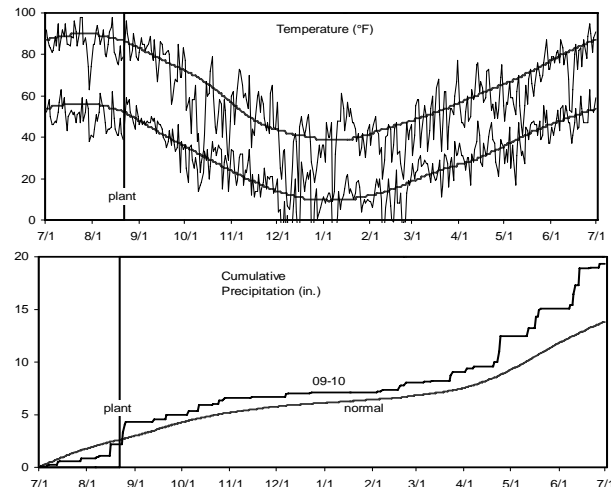


Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY

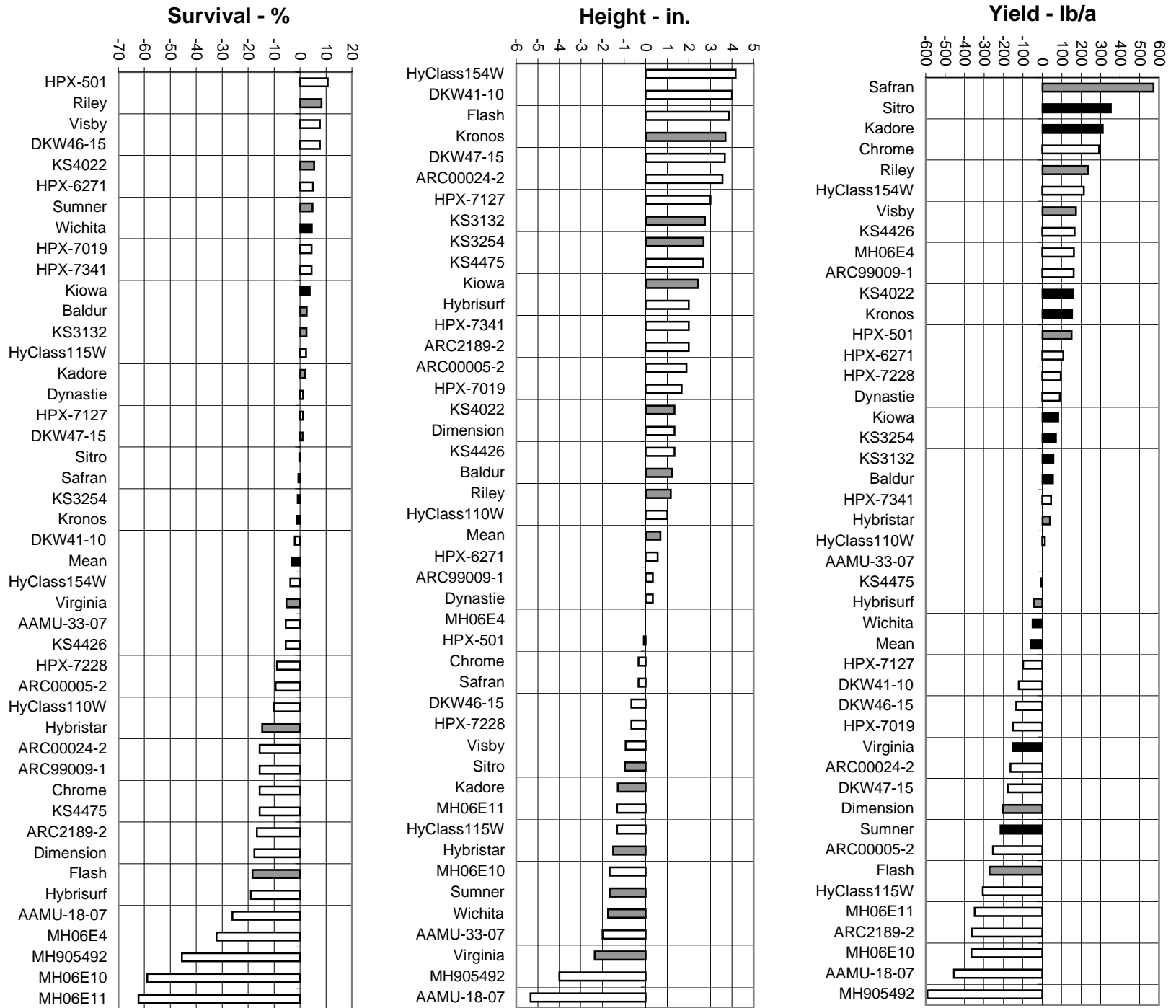
| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Plant | | | Test | | |
|-------------------------------------|--------------|-------------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
| | 2010 | 2009 | 2-Yr. | 2010 | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| Alabama A&M University | | | | | | | | | | | | |
| AAMU-18-07 | 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 |

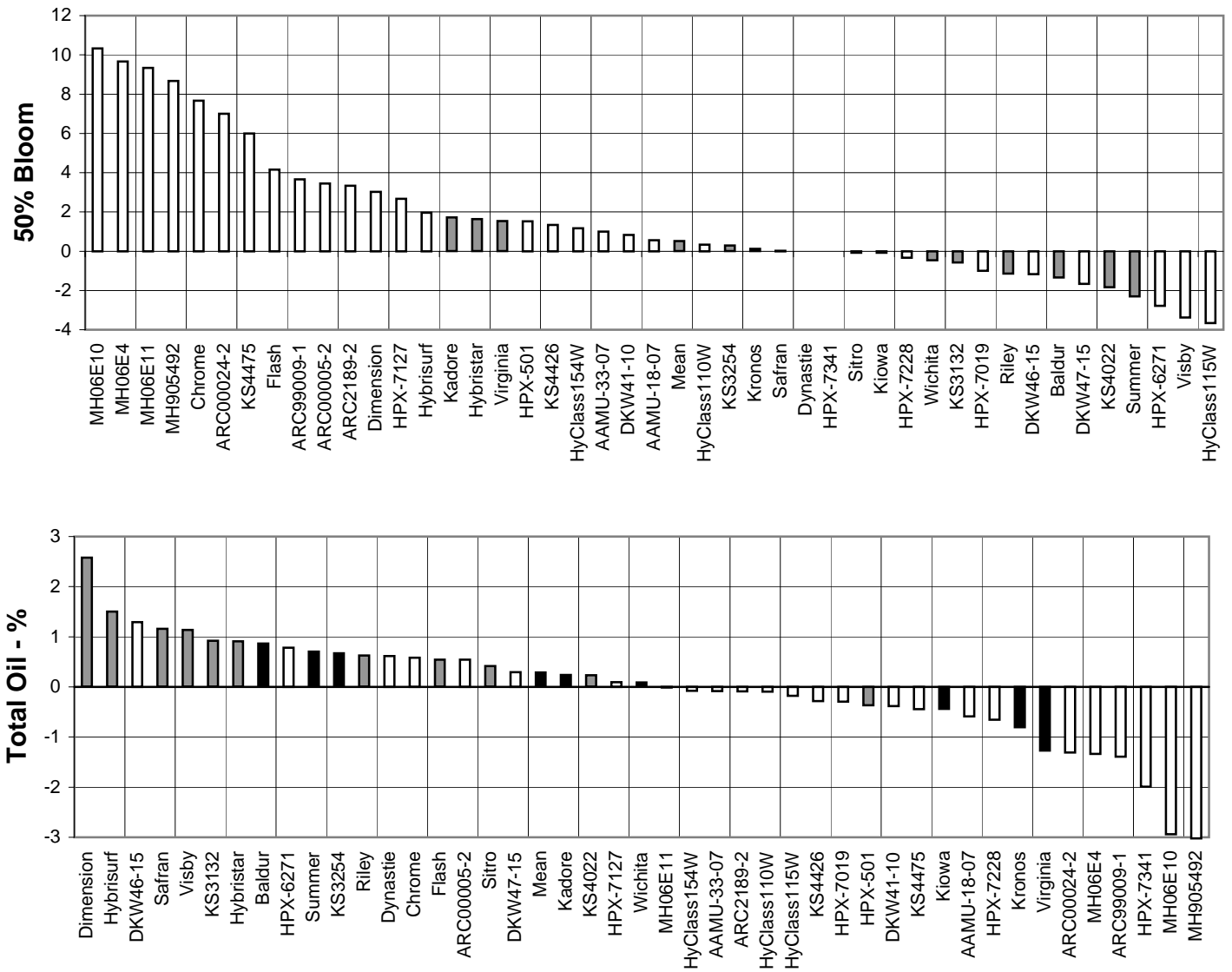
Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY

| Name | Yield (lb/a) | | | Yield (% of test avg.) | | | Winter Survival (%) | | | Plant Height | Moisture | Test | |
|----------------------------------|--------------|------|-------|------------------------|------|------|---------------------|-------|------|----------------|-------------|-------------|--|
| | 2010 | 2009 | 2-Yr. | 2010 | 2010 | 2009 | 2-Yr. | (in.) | (%) | Weight (lb/bu) | Protein (%) | Oil (%) | |
| 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).

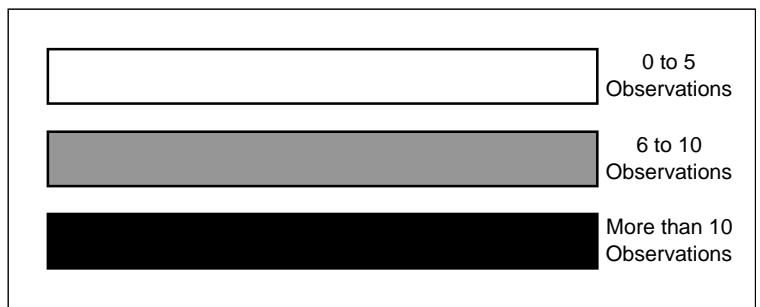


Figure 4. Northern Winter Canola Summary, 2005-2010 (continued).

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

| Disease Severity Rating ² | | | | | Disease Severity Rating ² | | | | |
|--------------------------------------|-------------|----------|------|------|--------------------------------------|-------------|----------|------|------|
| Name | 3/7/2010 | 5/6/2010 | 2009 | 2008 | Name | 3/7/2010 | 5/6/2010 | 2009 | 2008 |
| | -----%----- | | | | | -----%----- | | | |
| ARC2189-2 | 0 | 0 | 7 | -- | HPX-501 | 0 | 0 | 0 | 43 |
| ARC00005-2 | 0 | 0 | 0 | -- | HPX-6271 | 0 | 7 | 3 | -- |
| ARC00024-2 | 0 | 0 | 7 | -- | HPX-7019 | 0 | 0 | -- | -- |
| ARC99009-1 | 0 | 0 | -- | -- | HPX-7127 | 0 | 3 | -- | -- |
| Baldur | 0 | 3 | 3 | 40 | HPX-7228 | 0 | 0 | -- | -- |
| Dimension | 0 | 0 | 3 | 30 | HPX-7341 | 0 | 0 | -- | -- |
| Dynastie | 0 | 0 | -- | -- | KSIU331 | 3 | 0 | -- | -- |
| Flash | 0 | 0 | 3 | 30 | Cyclone ³ | 43 | 70 | 80 | 90 |
| Safran | 0 | 0 | 3 | 20 | Falcon ³ | 0 | 10 | 10 | 33 |
| Sitro | 0 | 3 | 0 | 23 | Flint ³ | 3 | 3 | 20 | 47 |
| Visby | 0 | 0 | 0 | 53 | Oscar ³ | 3 | 3 | 53 | 83 |
| Kiowa | 0 | 0 | 7 | 23 | Westar ³ | 57 | 60 | 73 | 90 |
| KS4022 | 0 | 0 | 0 | 33 | | | | | |
| KS4426 | 0 | 3 | -- | -- | Mean | 2 | 4 | 7 | 36 |
| KS4475 | 0 | 0 | -- | -- | LSD (0.05) | 6 | 5 | 12 | 19 |
| 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 | | | | | |

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 | | Brand/Name | Type ¹ | Trait ² | Release | |
|---|-------------------|--------------------|---------|---------------------|---|-------------------|--------------------|---------|---------------------|
| | | | Date | Sd Trt ³ | | | | 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 | <hr/> | | | | |
| Kiowa | OP | --- | 2008 | H | Croplan Genetics | | | | |
| Sumner | OP | SU | 2003 | H | Jay Bjerke (jemberke@landolakes.com) | | | | |
| Riley | OP | --- | 2010 | H | HyClass 110W | OP | RR | 2008 | P |
| Wichita | OP | --- | 1999 | H | HyClass 115W | OP | RR/SURT | 2008 | P |
| <hr/> | | | | | 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 | <hr/> | | | | |
| Safran | Hyb | --- | 2008 | H | Virginia State University Agricultural Experiment Station | | | | |
| Sitro | Hyb | --- | 2007 | H | Dr. Harbans Bhardwaj (hbhardwj@vsu.edu) | | | | |
| Visby | Hyb | --- | 2008 | H | Virginia | OP | --- | 2003 | H |
| <hr/> | | | | | <hr/> | | | | |
| High Plains Crop Development | | | | | <hr/> | | | | |
| Dr. Charlie Rife (rifewy@gmail.com) | | | | | ¹ OP = open pollinated, Hyb = hybrid | | | | |
| HPX-501 | OP | IMI | --- | H | ² RR = Roundup Ready, IMI = imidazolinone resistant, SU = | | | | |
| HPX-6271 | OP | --- | --- | H | sulfonyleurea carryover tolerant, SURT = sulfonyleurea carryover | | | | |
| HPX-7019 | OP | --- | --- | H | tolerant | | | | |
| HPX-7127 | OP | --- | --- | H | ³ Sd Trt = Seed treatment (H = Helix XTra, P = Prosper FX) | | | | |
| HPX-7228 | OP | --- | --- | H | | | | | |
| HPX-7341 | OP | --- | --- | H | | | | | |
| <hr/> | | | | | | | | | |
| 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 | | | | | |
| <hr/> | | | | | | | | | |
| Alabama A&M University | | | | | | | | | |
| Dr. Ernst Cebert (ernst.cebert@aamu.edu) | | | | | | | | | |
| AAMU-18-07 | OP | --- | --- | H | | | | | |
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