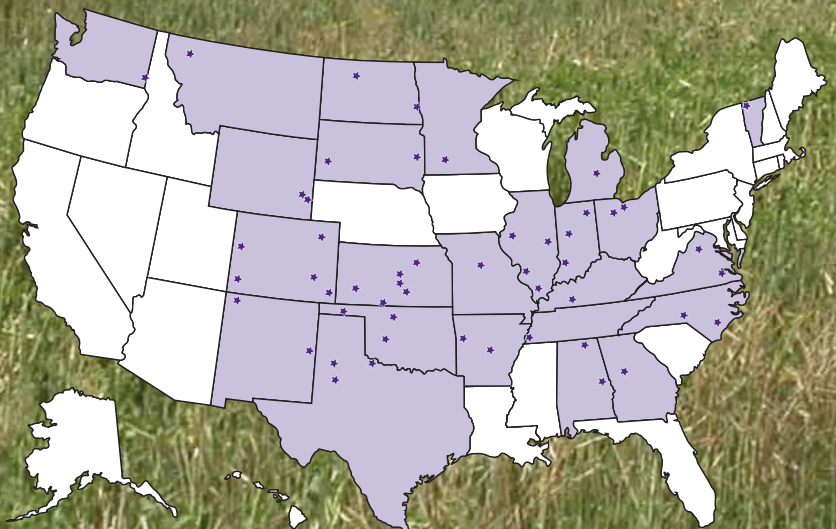


# 2010 National Winter Canola Variety Trial

*Report of Progress 1044*



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



# 2010 National Winter Canola Variety Trial

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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 ft<sup>2</sup>) 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).

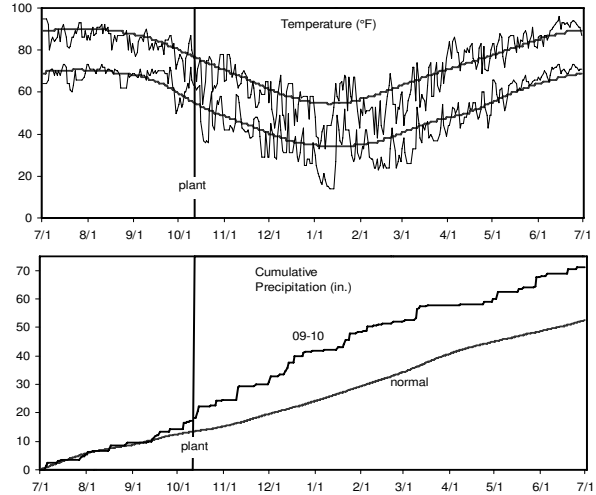
## **Acknowledgments**

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**

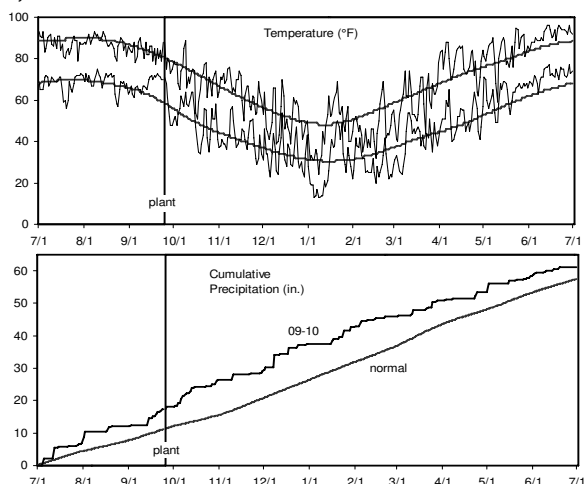
| Name                              | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Plant |              | Test         |                |             |             |
|-----------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------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

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

### Meridianville, Alabama

Ernst Cebert  
Alabama A&M University

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



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

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Plant |              |              | Test           |             |         |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|---------|
|                                     | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DEKALB</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| Chrome                              | 2474         | ---  | ---   | 138                    | 93   | ---  | ---   | 44           | 8.3          | ---            | 25.4        | 43.8    |
| Hybristar                           | 2132         | 1878 | 2005  | 119                    | 88   | 99   | 94    | 47           | 8.0          | ---            | 28.2        | 42.6    |
| Hybrisurf                           | 1319         | 1921 | 1620  | 73                     | 87   | 98   | 92    | 46           | 8.6          | ---            | 28.5        | 42.1    |
| Kadore                              | 2155         | 1958 | 2056  | 120                    | 88   | 98   | 93    | 51           | 9.0          | ---            | 25.7        | 42.6    |
| MH06E10                             | 2360         | ---  | ---   | 131                    | 93   | ---  | ---   | 53           | 8.2          | ---            | 26.2        | 43.4    |
| MH06E11                             | 2090         | ---  | ---   | 116                    | 92   | ---  | ---   | 33           | 8.4          | ---            | 28.6        | 41.7    |
| MH06E4                              | 1981         | ---  | ---   | 110                    | 85   | ---  | ---   | 49           | 8.8          | ---            | 28.2        | 42.2    |
| MH905492                            | 1743         | ---  | ---   | 97                     | 88   | ---  | ---   | 36           | 8.5          | ---            | 30.0        | 41.4    |

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

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      |       | Plant        |              | Test           |             |             |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
|                                     | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| KSIU331                             | 1201         | ---  | ---   | 67                     | 87   | ---  | ---   | 44           | 8.6          | ---            | 28.5        | 42.0        |
| <b>University of Arkansas</b>       |              |      |       |                        |      |      |       |              |              |                |             |             |
| ARC00005-2                          | 1573         | 1725 | 1649  | 88                     | 90   | 99   | 95    | 54           | 8.3          | ---            | 26.8        | <b>43.2</b> |
| 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        | <b>42.7</b> |
| <b>Virginia State University</b>    |              |      |       |                        |      |      |       |              |              |                |             |             |
| Virginia                            | <b>2032</b>  | 1497 | 1765  | 113                    | 92   | 94   | 93    | 51           | 8.5          | ---            | 26.0        | <b>43.5</b> |
| <b>Mean</b>                         | 1795         | 1856 | ---   | ---                    | 90   | 98   | ---   | 48           | 8.4          | ---            | 27.8        | 42.3        |
| <b>CV</b>                           | 30           | 23   | ---   | ---                    | 5    | 3    | ---   | 18           | 6.6          | ---            | 5.3         | 2.4         |
| <b>LSD (0.05)</b>                   | 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

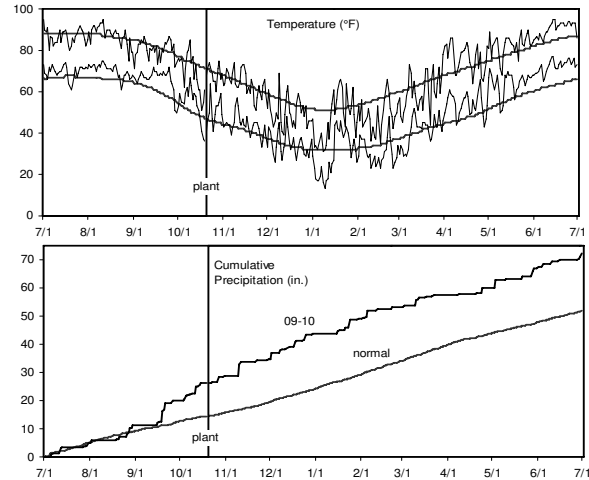


Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, GA

| 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 (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |             |
| AAMU-18-07                          | 2683         | 2191        | 2437  | 82                     | ---  | ---  | ---   | 52           | 8.5          | 50.2           | 24.4        | 44.6        |
| AAMU-33-07                          | 3223         | <b>2456</b> | 2840  | 98                     | ---  | ---  | ---   | 52           | 8.8          | 51.0           | 24.7        | 43.7        |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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         | <b>2674</b> | 2856  | 93                     | ---  | ---  | ---   | 57           | 9.5          | 50.7           | 25.2        | 43.4        |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>45.9</b> |
| DKW47-15                            | 3023         | 2143        | 2583  | 92                     | ---  | ---  | ---   | 62           | 8.7          | 50.8           | 26.6        | 43.0        |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |             |
| Baldur                              | 3586         | <b>2457</b> | 3022  | 109                    | ---  | ---  | ---   | 54           | 9.1          | 51.2           | 22.9        | 44.6        |
| Dimension                           | 3026         | <b>2490</b> | 2758  | 92                     | ---  | ---  | ---   | 58           | 9.2          | 50.3           | 22.7        | <b>46.5</b> |
| Dynastie                            | <b>3839</b>  | ---         | ---   | 117                    | ---  | ---  | ---   | 50           | 9.1          | 50.8           | 22.2        | <b>45.6</b> |
| Flash                               | <b>4037</b>  | <b>2736</b> | 3386  | 123                    | ---  | ---  | ---   | 56           | 9.1          | 50.6           | 23.4        | <b>45.6</b> |
| Safran                              | 3554         | <b>2745</b> | 3150  | 109                    | ---  | ---  | ---   | 53           | 9.4          | 50.8           | 24.2        | 44.3        |
| Sitro                               | <b>4077</b>  | <b>2487</b> | 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        |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | 2564         | <b>2376</b> | 2470  | 78                     | ---  | ---  | ---   | 54           | 8.9          | 49.8           | 25.3        | 44.3        |
| HPX-6271                            | 3212         | <b>2266</b> | 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                            | <b>3720</b>  | ---         | ---   | 114                    | ---  | ---  | ---   | 54           | 8.9          | 52.4           | 24.9        | 43.3        |
| HPX-7341                            | 2939         | ---         | ---   | 90                     | ---  | ---  | ---   | 50           | 8.6          | 51.3           | 25.6        | 43.8        |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |             |
| Kiowa                               | 3000         | <b>2273</b> | 2636  | 92                     | ---  | ---  | ---   | 53           | 9.6          | 50.7           | 24.9        | 43.1        |
| KS4022                              | 2442         | <b>2284</b> | 2363  | 75                     | ---  | ---  | ---   | 51           | 9.5          | 47.1           | 27.6        | 42.1        |
| KS4426                              | 2855         | ---         | ---   | 87                     | ---  | ---  | ---   | 57           | 8.6          | 50.8           | 23.5        | <b>45.6</b> |
| 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        |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| Chrome                              | <b>3903</b>  | ---         | ---   | 119                    | ---  | ---  | ---   | 53           | 8.9          | 51.1           | 22.3        | <b>46.3</b> |
| Hybristar                           | 3618         | <b>2363</b> | 2991  | 110                    | ---  | ---  | ---   | 59           | 8.5          | 51.1           | 23.4        | <b>45.4</b> |
| Hybrisurf                           | <b>4341</b>  | 1991        | 3166  | 133                    | ---  | ---  | ---   | 57           | 9.0          | 50.6           | 23.0        | <b>45.7</b> |
| Kadore                              | 3482         | <b>2403</b> | 2943  | 106                    | ---  | ---  | ---   | 47           | 8.9          | 49.7           | 24.2        | 43.1        |
| MH06E10                             | <b>3706</b>  | ---         | ---   | 113                    | ---  | ---  | ---   | 58           | 8.7          | 51.4           | 23.1        | 44.8        |
| MH06E11                             | <b>3874</b>  | ---         | ---   | 118                    | ---  | ---  | ---   | 58           | 8.3          | 51.4           | 21.8        | <b>46.0</b> |
| MH06E4                              | 3325         | ---         | ---   | 102                    | ---  | ---  | ---   | 59           | 8.6          | 50.4           | 23.0        | <b>45.2</b> |
| 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**

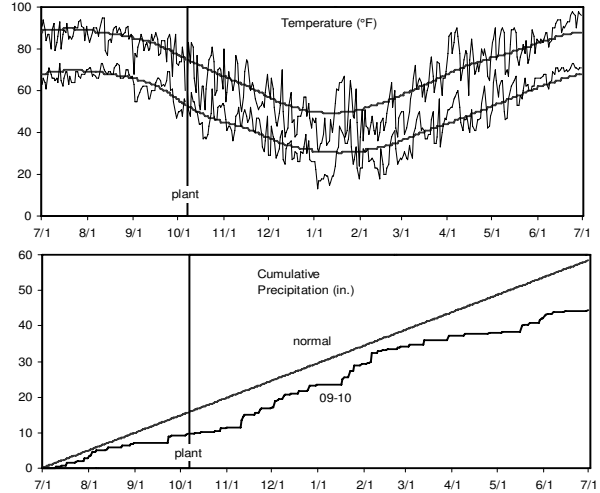
| Name                                | Yield (lb/a) |             |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|-------------------------------------|--------------|-------------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
|                                     | 2010         | 2009        | 2-Yr. |                        | 2010                | 2010 | 2009 |                    |              | 2-Yr. | Weight (lb/bu) | Protein (%) |
| <b>Southern Illinois University</b> |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 3549         | ---         | ---   | 108                    | ---                 | ---  | ---  | 59                 | 8.4          | 50.9  | 24.9           | 44.5        |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 3104         | <b>2364</b> | 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         | <b>2275</b> | 2630  | 91                     | ---                 | ---  | ---  | 59                 | 9.6          | 50.3  | 25.5           | 43.6        |
| ARC99009-1                          | 2961         | ---         | ---   | 90                     | ---                 | ---  | ---  | 58                 | 8.8          | 50.8  | 25.0           | 44.2        |
| <b>Virginia State University</b>    |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 3223         | <b>2465</b> | 2844  | 98                     | ---                 | ---  | ---  | 49                 | 8.6          | 50.5  | 24.7           | 43.8        |
| <b>Mean</b>                         | 3275         | 2280        | 2778  | ---                    | ---                 | ---  | ---  | 55                 | 8.9          | 50.8  | 24.5           | 44.3        |
| <b>CV</b>                           | 14           | 15          | 14    | ---                    | ---                 | ---  | ---  | 7                  | 6.4          | 2.2   | 3.2            | 1.4         |
| <b>LSD (0.05)</b>                   | 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 (%) |
| <b>Croplan Genetics</b>        |              |      |       |                        |      |      |       |              |              |                |             |         |
| Hyclass154W                    | 2140         | ---  | ---   | 98                     | ---  | ---  | ---   | 47           | ---          | ---            | 25.2        | 41.8    |
| <b>DL Seeds Inc.</b>           |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| Wichita                        | 2203         | ---  | ---   | 101                    | ---  | ---  | ---   | 44           | ---          | ---            | 25.9        | 41.8    |
| <b>MOMONT</b>                  |              |      |       |                        |      |      |       |              |              |                |             |         |
| Hybristar                      | 2254         | ---  | ---   | 103                    | ---  | ---  | ---   | 47           | ---          | ---            | 24.4        | 43.8    |
| Hybrisurf                      | 2528         | ---  | ---   | 116                    | ---  | ---  | ---   | 46           | ---          | ---            | 24.0        | 44.2    |
| Kadore                         | 1447         | ---  | ---   | 66                     | ---  | ---  | ---   | 39           | ---          | ---            | 25.4        | 39.9    |
| <b>University of Arkansas</b>  |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Mean</b>                    | 2180         | ---  | ---   | ---                    | ---  | ---  | ---   | 46           | ---          | ---            | 24.9        | 42.3    |
| <b>CV</b>                      | 18           | ---  | ---   | ---                    | ---  | ---  | ---   | 9            | ---          | ---            | 4.4         | 3.0     |
| <b>LSD (0.05)</b>              | 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

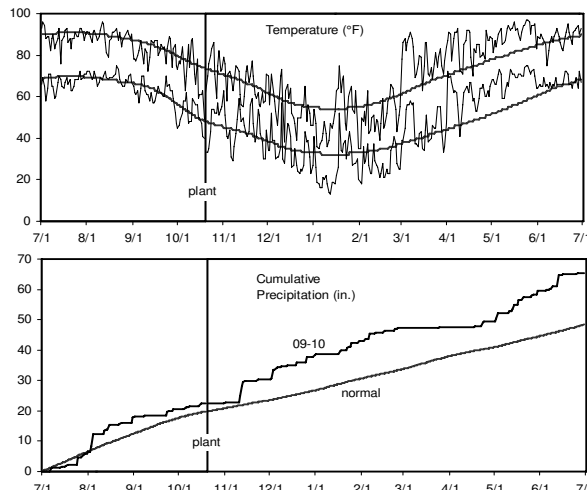


Table 5. Results for the 2010 National Winter Canola Variety Trial at Williamsdale, NC

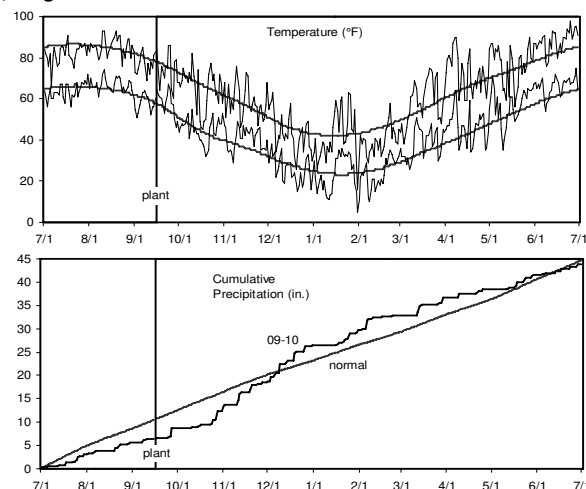
| Name                           | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Plant |              |              | Test           |             |             |
|--------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
|                                | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |
| <b>Croplan Genetics</b>        |              |      |       |                        |      |      |       |              |              |                |             |             |
| HyClass154W                    | 1705         | ---  | ---   | 94                     | ---  | ---  | ---   | 42           | ---          | ---            | 27.8        | 40.4        |
| <b>DL Seeds Inc.</b>           |              |      |       |                        |      |      |       |              |              |                |             |             |
| Baldur                         | 1663         | ---  | ---   | 91                     | ---  | ---  | ---   | 41           | ---          | ---            | 26.3        | <b>41.9</b> |
| Dimension                      | 2295         | ---  | ---   | 126                    | ---  | ---  | ---   | 49           | ---          | ---            | 26.0        | <b>43.2</b> |
| Dynastie                       | 1840         | ---  | ---   | 101                    | ---  | ---  | ---   | 41           | ---          | ---            | 25.5        | <b>42.7</b> |
| Flash                          | 1330         | ---  | ---   | 73                     | ---  | ---  | ---   | 45           | ---          | ---            | 26.9        | <b>41.8</b> |
| Safran                         | 1814         | ---  | ---   | 100                    | ---  | ---  | ---   | 43           | ---          | ---            | 26.2        | <b>41.9</b> |
| Sitro                          | 2163         | ---  | ---   | 119                    | ---  | ---  | ---   | 46           | ---          | ---            | 26.5        | 41.4        |
| Visby                          | 2301         | ---  | ---   | 126                    | ---  | ---  | ---   | 46           | ---          | ---            | 26.9        | 41.1        |
| <b>Kansas State University</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| Wichita                        | 1822         | ---  | ---   | 100                    | ---  | ---  | ---   | 43           | ---          | ---            | 28.0        | 41.3        |
| <b>MOMONT</b>                  |              |      |       |                        |      |      |       |              |              |                |             |             |
| Hybristar                      | 1701         | ---  | ---   | 94                     | ---  | ---  | ---   | 45           | ---          | ---            | 26.9        | <b>42.2</b> |
| Hybrisurf                      | 1704         | ---  | ---   | 94                     | ---  | ---  | ---   | 44           | ---          | ---            | 26.3        | <b>42.5</b> |
| Kadore                         | 1636         | ---  | ---   | 90                     | ---  | ---  | ---   | 39           | ---          | ---            | 26.3        | 41.2        |
| <b>University of Arkansas</b>  |              |      |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>42.0</b> |
| <b>Mean</b>                    | 1819         | ---  | ---   | ---                    | ---  | ---  | ---   | 44           | ---          | ---            | 26.8        | 41.6        |
| <b>CV</b>                      | 19           | ---  | ---   | ---                    | ---  | ---  | ---   | 12           | ---          | ---            | 2.8         | 1.8         |
| <b>LSD (0.05)</b>              | 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                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>45.8</b> |
| Dynastie                            | 3062         | ---         | ---   | 102                    | 98   | ---  | ---   | 58           | 10.8         | 49.8           | 22.9        | 44.7        |
| Flash                               | 2127         | <b>1509</b> | 1818  | 71                     | 95   | ---  | ---   | 62           | 15.7         | 48.4           | 24.2        | 44.1        |
| Safran                              | 3225         | <b>1628</b> | 2426  | 108                    | 99   | ---  | ---   | 60           | 12.4         | 50.0           | 24.1        | 43.9        |
| Sitro                               | 2827         | <b>1788</b> | 2307  | 94                     | 95   | ---  | ---   | 59           | 10.8         | 49.9           | 23.5        | 44.2        |
| Visby                               | <b>3438</b>  | 1268        | 2353  | 115                    | 96   | ---  | ---   | 59           | 11.4         | 48.8           | 24.1        | 43.3        |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | 2724         | <b>1566</b> | 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        |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>44.8</b> |
| Kadore                              | 3274         | <b>1514</b> | 2394  | 109                    | 96   | ---  | ---   | 52           | 10.8         | 49.7           | 24.5        | 42.9        |
| MH06E10                             | <b>3442</b>  | ---         | ---   | 115                    | 91   | ---  | ---   | 61           | 11.6         | 48.7           | 24.1        | 43.3        |
| MH06E11                             | <b>3716</b>  | ---         | ---   | 124                    | 88   | ---  | ---   | 62           | 9.0          | 49.8           | 23.9        | 44.3        |
| MH06E4                              | <b>3778</b>  | ---         | ---   | 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 (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 2866         | ---  | ---   | 96                     | 98                  | ---  | ---  | 62                 | 10.6         | 48.7  | 25.6           | 43.2        |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| 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        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 3112         | 599  | 1856  | 104                    | 98                  | ---  | ---  | 54                 | 8.7          | 48.7  | 25.4           | 43.1        |
| <b>Mean</b>                         | 2993         | 1095 | ---   | ---                    | 95                  | ---  | ---  | 59                 | 9.7          | 49.1  | 25.1           | 43.3        |
| <b>CV</b>                           | 9            | 26   | ---   | ---                    | 4                   | ---  | ---  | 3                  | 12.8         | 1.9   | 2.6            | 1.1         |
| <b>LSD (0.05)</b>                   | 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

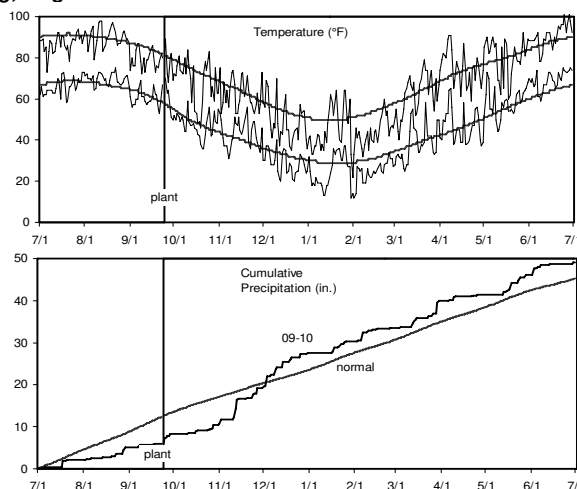


Table 7. Results for the 2010 National Winter Canola Variety Trial at Petersburg, VA

| 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |                     |      |       |              |              |                |             |         |
| AAMU-18-07                          | 522          | 1153        | 838   | 53                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| AAMU-33-07                          | 675          | 1405        | 1040  | 69                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>Croplan Genetics</b>             |              |             |       |                        |                     |      |       |              |              |                |             |         |
| HyClass110W                         | 480          | 987         | 734   | 49                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HyClass115W                         | 905          | 1470        | 1187  | 93                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HyClass154W                         | 697          | 1493        | 1095  | 71                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>DEKALB</b>                       |              |             |       |                        |                     |      |       |              |              |                |             |         |
| DKW41-10                            | 1142         | 1081        | 1112  | 117                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| DKW46-15                            | 1011         | 1146        | 1078  | 103                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| DKW47-15                            | 604          | 1444        | 1024  | 62                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |                     |      |       |              |              |                |             |         |
| Baldur                              | 880          | 1130        | 1005  | 90                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Dimension                           | 972          | 1054        | 1013  | 99                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Dynastie                            | <b>2007</b>  | ---         | ---   | 205                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Flash                               | 1203         | <b>1816</b> | 1509  | 123                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Safran                              | 1305         | <b>2044</b> | 1675  | 133                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Sitro                               | 1242         | 1446        | 1344  | 127                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Visby                               | 780          | 1447        | 1114  | 80                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>High Plains Crop Development</b> |              |             |       |                        |                     |      |       |              |              |                |             |         |
| HPX-501                             | 1390         | <b>1555</b> | 1473  | 142                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HPX-6271                            | 467          | 1191        | 829   | 48                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HPX-7019                            | 1270         | ---         | ---   | 130                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HPX-7127                            | 511          | ---         | ---   | 52                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HPX-7228                            | 569          | ---         | ---   | 58                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| HPX-7341                            | <b>1616</b>  | ---         | ---   | 165                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>Kansas State University</b>      |              |             |       |                        |                     |      |       |              |              |                |             |         |
| Kiowa                               | <b>1854</b>  | 1203        | 1529  | 190                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| KS4022                              | <b>1796</b>  | 1165        | 1480  | 184                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| KS4426                              | 389          | ---         | ---   | 40                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| KS4475                              | 865          | ---         | ---   | 88                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Riley                               | 872          | 1205        | 1039  | 89                     | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Sumner                              | <b>1632</b>  | 941         | 1287  | 167                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| Wichita                             | 1324         | 778         | 1051  | 135                    | ---                 | ---  | ---   | ---          | ---          | ---            | ---         | ---     |
| <b>MOMONT</b>                       |              |             |       |                        |                     |      |       |              |              |                |             |         |
| Chrome                              | <b>1750</b>  | ---         | ---   | 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 (%) |
| <b>Southern Illinois University</b> |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 1007         | ---         | ---   | 103                    | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 645          | 1281        | 963   | 66                     | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| ARC00024-2                          | 862          | 1096        | 979   | 88                     | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| ARC2189-2                           | 743          | 1013        | 878   | 76                     | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| ARC99009-1                          | 627          | ---         | ---   | 64                     | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| <b>Virginia State University</b>    |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 1458         | <b>1661</b> | 1559  | 149                    | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| <b>Mean</b>                         | 977          | 1295        | ---   | ---                    | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| <b>CV</b>                           | 25           | 24          | ---   | ---                    | ---                 | ---  | ---  | ---                | ---          | ---   | ---            | ---         |
| <b>LSD (0.05)</b>                   | 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.

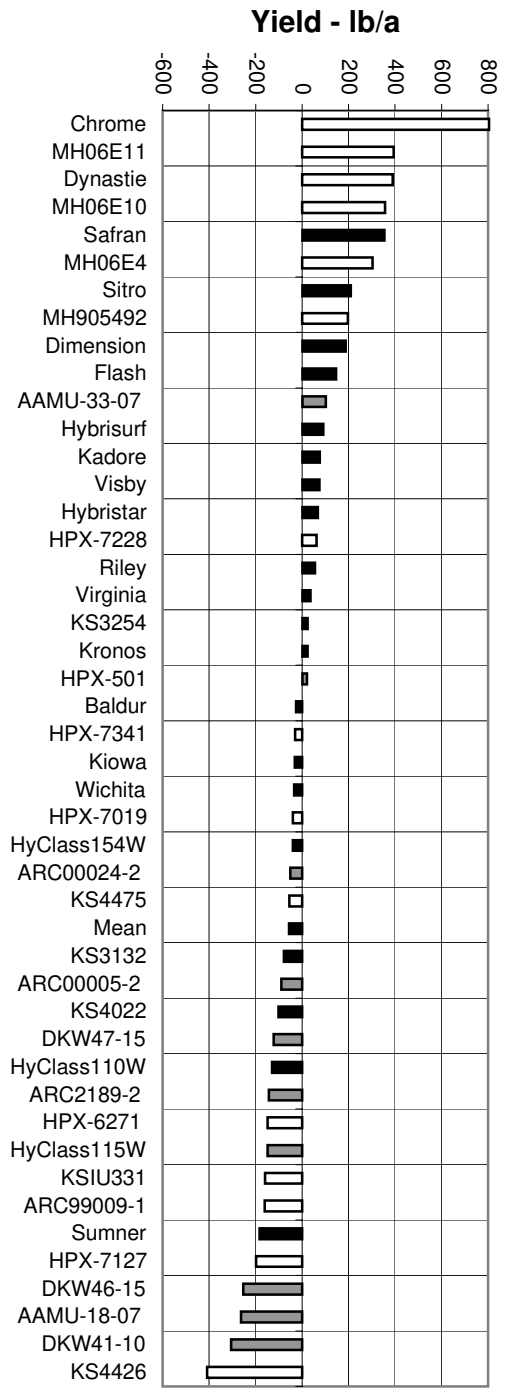
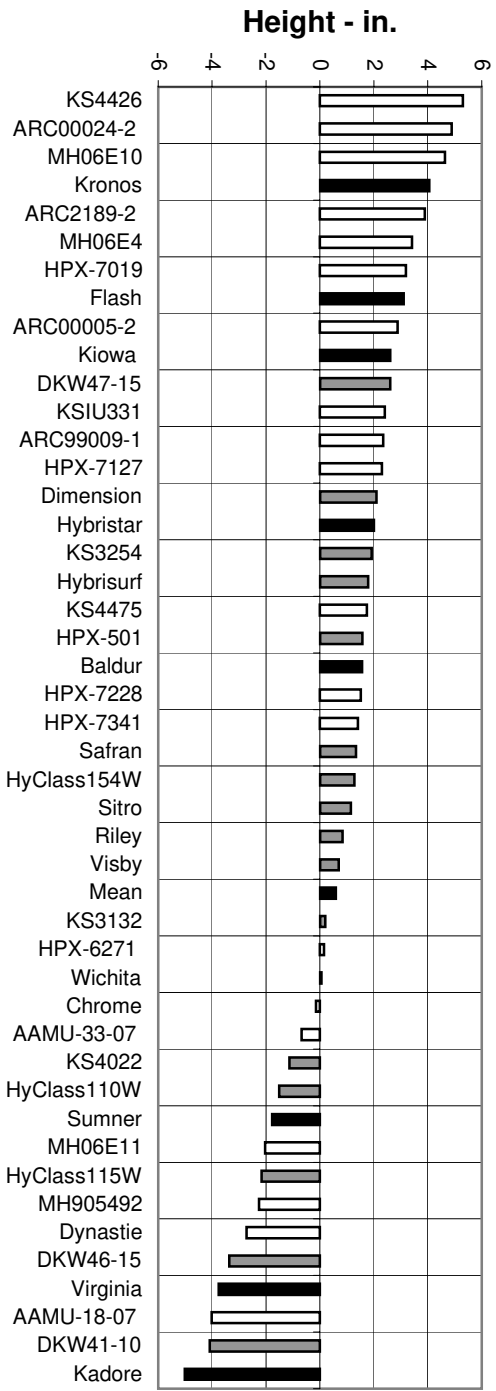
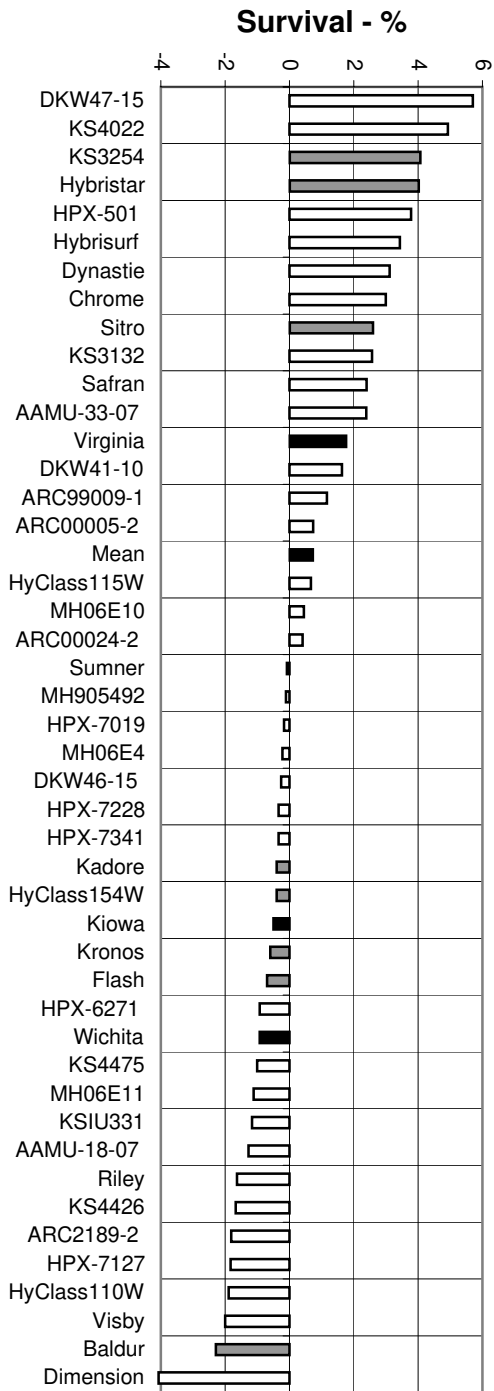
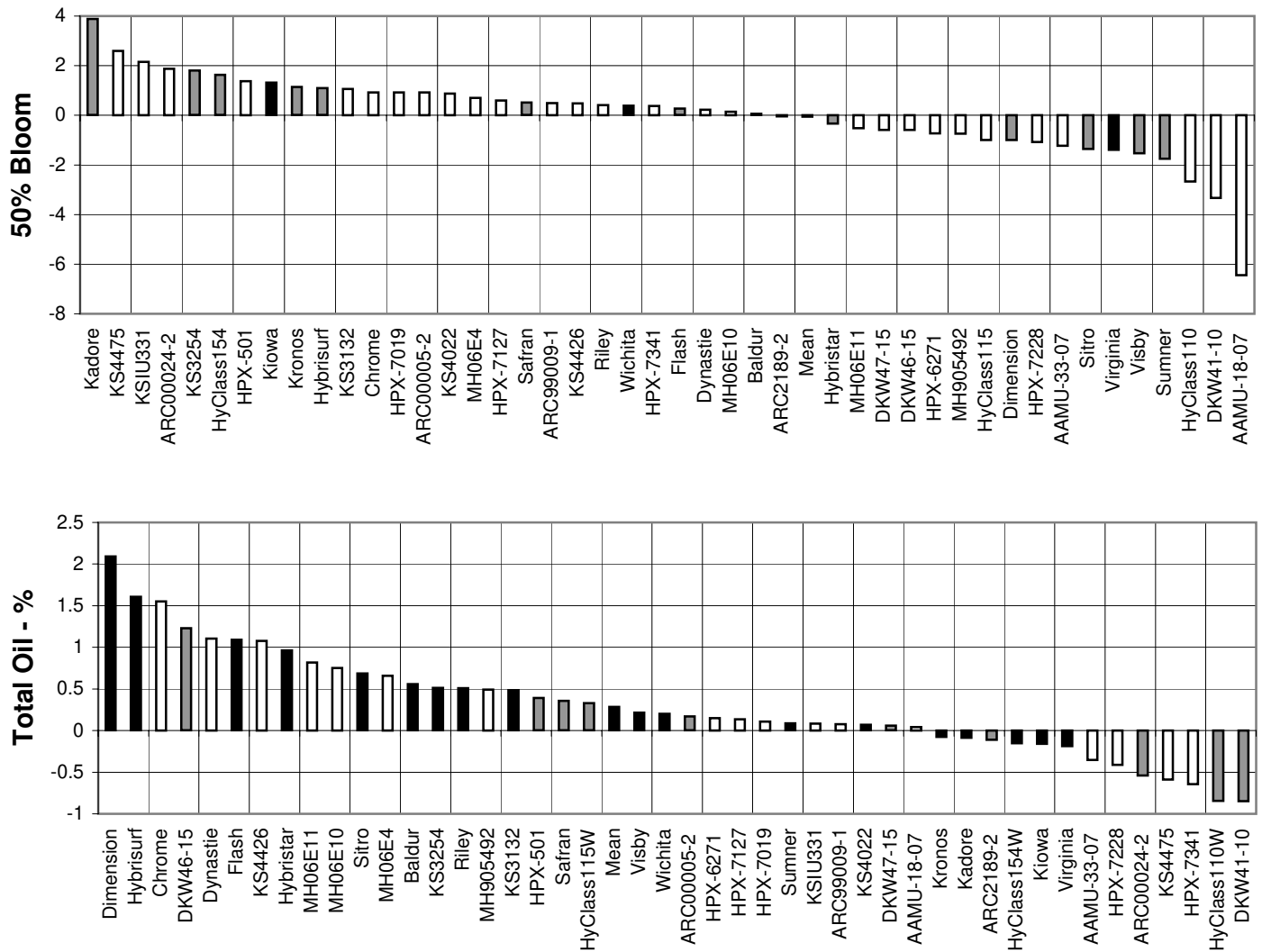


Figure 1. Southeast Winter Canola Summary, 2005-2010.





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).

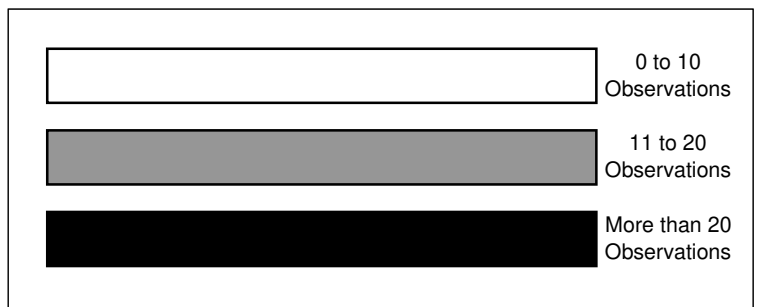
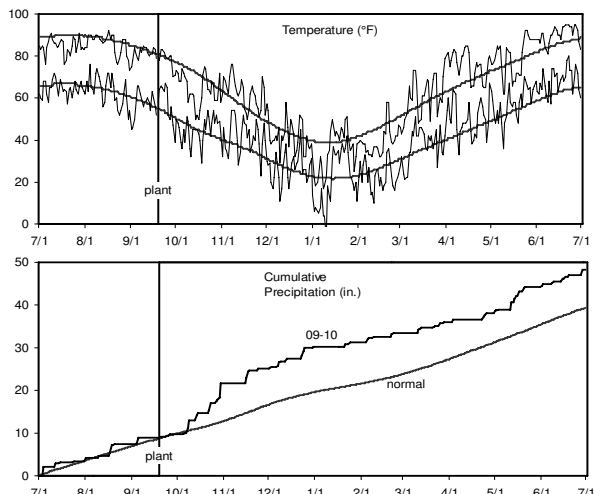


Figure 1. Southeast Winter Canola Summary, 2005-2010 (continued).

**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 (%)     |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |             |
| Baldur                              | <b>4578</b>  | ---  | ---   | 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                            | <b>4361</b>  | ---  | ---   | 107                    | 100  | ---  | ---   | 55           | 11.4         | 48.3           | 23.7        | 45.4        |
| Flash                               | <b>4795</b>  | ---  | ---   | 117                    | 100  | ---  | ---   | 59           | 12.9         | 46.4           | 22.0        | 45.9        |
| Safran                              | <b>3843</b>  | ---  | ---   | 94                     | 100  | ---  | ---   | 54           | 11.7         | 49.1           | 20.9        | <b>47.7</b> |
| Sitro                               | <b>4894</b>  | ---  | ---   | 120                    | 100  | ---  | ---   | 54           | 10.5         | 48.9           | 22.1        | 46.0        |
| Visby                               | <b>4332</b>  | ---  | ---   | 106                    | 100  | ---  | ---   | 52           | 10.5         | 48.1           | 22.8        | 45.8        |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | 3355         | ---  | ---   | 82                     | 100  | ---  | ---   | 54           | 9.2          | 49.9           | 22.4        | 45.7        |
| HPX-6271                            | <b>4405</b>  | ---  | ---   | 108                    | 100  | ---  | ---   | 52           | 10.6         | 47.7           | 22.5        | 45.5        |
| HPX-7019                            | <b>3976</b>  | ---  | ---   | 97                     | 100  | ---  | ---   | 53           | 10.2         | 49.3           | 22.9        | 45.0        |
| HPX-7127                            | <b>4101</b>  | ---  | ---   | 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                            | <b>3810</b>  | ---  | ---   | 93                     | 100  | ---  | ---   | 54           | 9.5          | 50.1           | 22.5        | 44.7        |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |             |
| Kiowa                               | <b>4229</b>  | ---  | ---   | 103                    | 100  | ---  | ---   | 55           | 11.7         | 48.5           | 21.7        | 46.1        |
| KS3254                              | <b>4332</b>  | ---  | ---   | 106                    | 100  | ---  | ---   | 57           | 10.8         | 47.5           | 22.2        | 46.1        |
| KS4426                              | <b>3939</b>  | ---  | ---   | 96                     | 100  | ---  | ---   | 56           | 12.9         | 48.4           | 21.1        | <b>46.6</b> |
| KS4475                              | <b>4242</b>  | ---  | ---   | 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                              | <b>3789</b>  | ---  | ---   | 93                     | 98   | ---  | ---   | 53           | 9.8          | 50.3           | 22.4        | 45.5        |
| Wichita                             | 3510         | ---  | ---   | 86                     | 100  | ---  | ---   | 52           | 10.4         | 48.0           | 22.4        | 45.6        |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |             |
| Chrome                              | <b>4732</b>  | ---  | ---   | 116                    | 100  | ---  | ---   | 55           | 10.2         | 48.6           | 23.5        | 45.1        |
| Hybristar                           | <b>4555</b>  | ---  | ---   | 111                    | 100  | ---  | ---   | 55           | 13.3         | 44.0           | 23.5        | 44.7        |
| Hybrisurf                           | <b>4076</b>  | ---  | ---   | 100                    | 100  | ---  | ---   | 53           | 12.0         | 48.8           | 23.9        | 45.0        |
| Kadore                              | <b>4748</b>  | ---  | ---   | 116                    | 100  | ---  | ---   | 50           | 11.9         | 48.5           | 21.6        | <b>46.3</b> |
| MH06E10                             | <b>4453</b>  | ---  | ---   | 109                    | 87   | ---  | ---   | 57           | 13.1         | 48.6           | 22.2        | 45.8        |
| MH06E11                             | <b>4824</b>  | ---  | ---   | 118                    | 100  | ---  | ---   | 58           | 10.4         | 47.6           | 22.2        | 45.3        |
| MH06E4                              | <b>4674</b>  | ---  | ---   | 114                    | 93   | ---  | ---   | 57           | 11.1         | 47.4           | 23.5        | 45.1        |
| MH905492                            | 2540         | ---  | ---   | 62                     | 100  | ---  | ---   | 53           | 9.2          | 50.4           | -           | -           |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| KSIU331                             | <b>4199</b>  | ---  | ---   | 103                    | 95   | ---  | ---   | 57           | 11.9         | 47.0           | 22.1        | 45.6        |
| <b>University of Arkansas</b>       |              |      |       |                        |      |      |       |              |              |                |             |             |
| ARC00005-2                          | <b>4865</b>  | ---  | ---   | 119                    | 100  | ---  | ---   | 56           | 11.4         | 49.4           | 22.8        | 45.5        |
| ARC00024-2                          | <b>4107</b>  | ---  | ---   | 100                    | 100  | ---  | ---   | 56           | 14.9         | 45.6           | 22.8        | 46.0        |
| ARC2189-2                           | <b>4282</b>  | ---  | ---   | 105                    | 100  | ---  | ---   | 55           | 11.0         | 47.6           | 21.9        | <b>46.4</b> |
| ARC99009-1                          | <b>4063</b>  | ---  | ---   | 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**

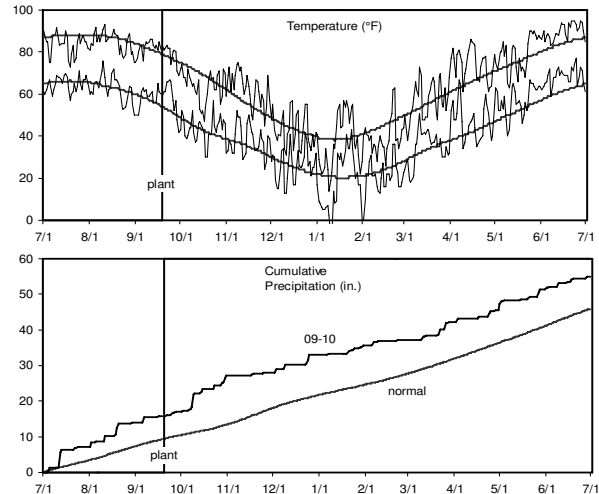
| Name                             | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|----------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
|                                  | 2010         | 2009 | 2-Yr. |                        | 2010                | 2010 | 2009 |                    |              | 2-Yr. | Weight (lb/bu) | Protein (%) |
| <b>Virginia State University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                         | <b>4267</b>  | ---  | ---   | 104                    | 100                 | ---  | ---  | 48                 | 9.8          | 47.7  | 22.6           | 45.3        |
| <b>Mean</b>                      | 4093         | ---  | ---   | ---                    | 99                  | ---  | ---  | 54                 | 11.1         | 48.1  | 22.5           | 45.6        |
| <b>CV</b>                        | 17           | ---  | ---   | ---                    | 6                   | ---  | ---  | 4                  | 11.4         | 5.6   | 3.7            | 1.4         |
| <b>LSD (0.05)</b>                | 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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                              | <b>4002</b>  | ---  | ---   | 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    |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| KSIU331                             | 2421         | ---  | ---   | 103                    | ---  | ---  | ---   | 46           | 7.4          | 51.0           | 21.7        | 46.5    |
| <b>University of Arkansas</b>       |              |      |       |                        |      |      |       |              |              |                |             |         |
| ARC00005-2                          | 2685         | ---  | ---   | 115                    | ---  | ---  | ---   | 43           | 7.6          | 51.0           | 21.8        | 45.4    |
| ARC00024-2                          | 2399         | ---  | ---   | 102                    | ---  | ---  | ---   | 51           | 7.7          | 51.1           | 23.7        | 44.9    |
| ARC2189-2                           | 2656         | ---  | ---   | 113                    | ---  | ---  | ---   | 48           | 7.3          | 50.6           | 21.6        | 46.2    |
| ARC99009-1                          | 1884         | ---  | ---   | 80                     | ---  | ---  | ---   | 43           | 7.6          | 50.7           | 22.5        | 46.0    |

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

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

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

Monmouth, Illinois

Vince Davis  
University of Illinois

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

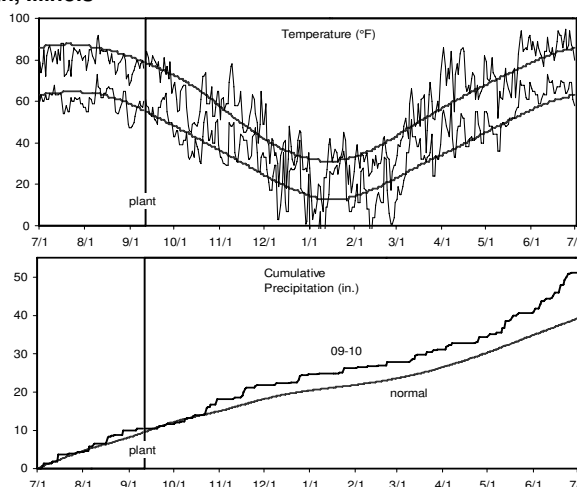


Table 10. Results for the 2010 National Winter Canola Variety Trial at Monmouth, IL

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |       | Plant        |              |                | Test        |             |  |
|-------------------------------------|--------------|------|-------|------------------------|------|-------|--------------|--------------|----------------|-------------|-------------|--|
|                                     | 2010         | 2009 | 2-Yr. | 2010                   | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |  |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>DEKALB</b>                       |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |       |              |              |                |             |             |  |
| Baldur                              | 1219         | ---  | ---   | 88                     | 97   | ---   | 49           | 7.9          | 48.5           | 22.4        | 41.1        |  |
| Dimension                           | 1159         | ---  | ---   | 84                     | 97   | ---   | 47           | 7.9          | 49.0           | 21.7        | <b>44.0</b> |  |
| Dynastie                            | 1407         | ---  | ---   | 102                    | 97   | ---   | 46           | 8.0          | 51.5           | 22.4        | <b>42.4</b> |  |
| 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        |  |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        | <b>42.1</b> |  |
| <b>Kansas State University</b>      |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        | <b>42.6</b> |  |
| 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        |  |
| <b>MOMONT</b>                       |              |      |       |                        |      |       |              |              |                |             |             |  |
| Chrome                              | 1540         | ---  | ---   | 112                    | 96   | ---   | 47           | 8.1          | 51.3           | 22.4        | <b>43.0</b> |  |
| 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        | <b>42.1</b> |  |
| MH06E4                              | 1481         | ---  | ---   | 107                    | 97   | ---   | 49           | 7.8          | 50.7           | 23.8        | 41.3        |  |
| MH905492                            | 988          | ---  | ---   | 72                     | 98   | ---   | 49           | 8.3          | 48.5           | 25.0        | 40.1        |  |

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

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      |       | Plant        |              | Test           |             |         |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|---------|
|                                     | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| KSIU331                             | 1307         | ---  | ---   | 95                     | 97   | ---  | ---   | 53           | 8.5          | 47.2           | 24.4        | 41.8    |
| <b>University of Arkansas</b>       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Virginia State University</b>    |              |      |       |                        |      |      |       |              |              |                |             |         |
| Virginia                            | 1629         | ---  | ---   | 118                    | 97   | ---  | ---   | 42           | 8.2          | 49.8           | 23.9        | 41.5    |
| <b>Mean</b>                         | 1379         | ---  | ---   | ---                    | 97   | ---  | ---   | 48           | 8.1          | 49.4           | 24.1        | 41.1    |
| <b>CV</b>                           | 16           | ---  | ---   | ---                    | 1    | ---  | ---   | 7            | 5.6          | 5.7            | 2.3         | 2.4     |
| <b>LSD (0.05)</b>                   | 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

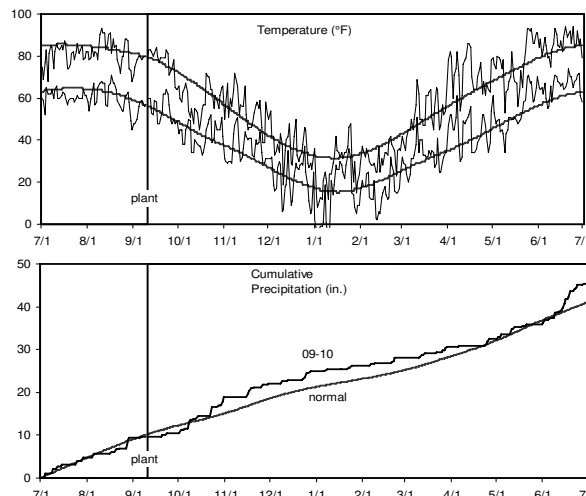


Table 11. Results for the 2010 National Winter Canola Variety Trial at Urbana, IL

| 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 (%) |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |      |       |              |              |                |             |         |
| HyClass154W                         | 2173         | ---  | ---   | 109                    | 75   | ---  | ---   | 46           | 6.9          | 50.6           | 23.0        | 43.8    |
| <b>DEKALB</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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 (%) |
| <b>University of Arkansas</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| 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        |
| <b>Mean</b>                   | 2001         | ---  | ---   | ---                    | 74                  | ---  | ---  | 45                 | 6.8          | 50.6  | 22.4           | 45.0        |
| <b>CV</b>                     | 20           | ---  | ---   | ---                    | 24                  | ---  | ---  | 4                  | 6.9          | 0.9   | 3.4            | 1.6         |
| <b>LSD (0.05)</b>             | 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.

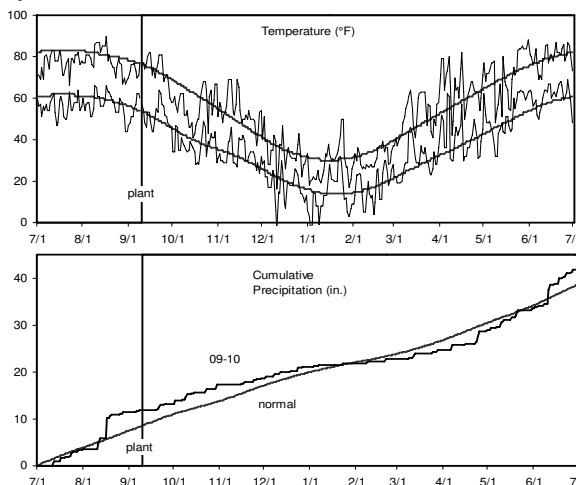


Table 12. Results for the 2010 National Winter Canola Variety Trial at Columbia City, IN

| Name                                | Yield (lb/a) |             |       | Yield (% of test avg.) |      |       | Plant        |              |                | Test        |             |  |
|-------------------------------------|--------------|-------------|-------|------------------------|------|-------|--------------|--------------|----------------|-------------|-------------|--|
|                                     | 2010         | 2009        | 2-Wr. | 2010                   | 2009 | 2-Wr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |  |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>DEKALB</b>                       |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        | <b>38.9</b> |  |
| DKW47-15                            | 566          | 2196        | 1381  | 67                     | ---  | ---   | 47           | 5.8          | 47.1           | 29.2        | 36.3        |  |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        | <b>38.9</b> |  |
| Dynastie                            | 1133         | ---         | ---   | 134                    | ---  | ---   | 47           | 5.8          | 48.8           | 28.0        | 37.2        |  |
| Flash                               | 937          | <b>2363</b> | 1650  | 110                    | ---  | ---   | 51           | 6.3          | 47.8           | 28.1        | 36.6        |  |
| Safran                              | 1413         | <b>2694</b> | 2053  | 167                    | ---  | ---   | 49           | 5.6          | 49.3           | 26.7        | <b>39.3</b> |  |
| 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        | <b>38.5</b> |  |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>Kansas State University</b>      |              |             |       |                        |      |       |              |              |                |             |             |  |
| 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        | <b>38.7</b> |  |
| Sumner                              | 976          | 2269        | 1623  | 115                    | ---  | ---   | 47           | 5.6          | 49.5           | 27.7        | <b>39.5</b> |  |
| Wichita                             | 938          | 2241        | 1589  | 111                    | ---  | ---   | 47           | 5.9          | 49.1           | 28.8        | 38.1        |  |
| <b>MOMONT</b>                       |              |             |       |                        |      |       |              |              |                |             |             |  |
| Chrome                              | 1185         | ---         | ---   | 140                    | ---  | ---   | 49           | 5.8          | 48.1           | 24.9        | <b>41.5</b> |  |
| Hybristar                           | 839          | 2322        | 1581  | 99                     | ---  | ---   | 50           | 5.7          | 47.2           | 26.4        | <b>40.0</b> |  |
| Hybrisurf                           | 918          | 2198        | 1558  | 108                    | ---  | ---   | 48           | 5.9          | 49.1           | 25.6        | <b>40.8</b> |  |
| Kadore                              | 970          | <b>2478</b> | 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**

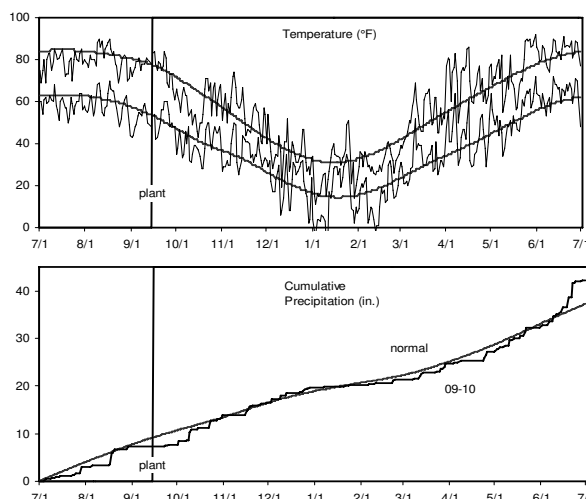
| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
|                                     | 2010         | 2009 | 2-Yr. |                        | 2010                | 2010 | 2009 |                    |              | 2-Yr. | Weight (lb/bu) | Protein (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 880          | ---  | ---   | 104                    | ---                 | ---  | ---  | 50                 | 6.1          | 47.9  | 27.6           | 38.2        |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| 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           | <b>38.8</b> |
| ARC99009-1                          | 582          | ---  | ---   | 69                     | ---                 | ---  | ---  | 51                 | 6.3          | 47.5  | 27.9           | 37.3        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 831          | 1883 | 1357  | 98                     | ---                 | ---  | ---  | 41                 | 6.2          | 47.1  | 29.0           | 36.2        |
| <b>Mean</b>                         | 848          | 2079 | ---   | ---                    | ---                 | ---  | ---  | 48                 | 6.0          | 47.8  | 28.2           | 37.5        |
| <b>CV</b>                           | 32           | 10   | ---   | ---                    | ---                 | ---  | ---  | 4                  | 8.2          | 1.7   | 4.4            | 4.1         |
| <b>LSD (0.05)</b>                   | 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 (%)     |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |      |       |              |              |                |             |             |
| HyClass154W                         | 1625         | ---  | ---   | 97                     | ---  | ---  | ---   | 55           | 6.8          | 61.6           | 23.9        | 43.1        |
| <b>DEKALB</b>                       |              |      |       |                        |      |      |       |              |              |                |             |             |
| DKW41-10                            | 1442         | ---  | ---   | 86                     | ---  | ---  | ---   | 48           | 5.0          | 63.1           | 27.6        | 38.9        |
| DKW46-15                            | 1557         | ---  | ---   | 93                     | ---  | ---  | ---   | 51           | 3.9          | 31.5           | 24.4        | <b>43.6</b> |
| DKW47-15                            | 1490         | ---  | ---   | 89                     | ---  | ---  | ---   | 55           | 3.7          | 0.0            | 25.8        | 41.9        |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |             |
| Baldur                              | <b>1732</b>  | ---  | ---   | 103                    | ---  | ---  | ---   | 55           | 5.9          | 62.4           | 22.8        | 42.8        |
| Dimension                           | 1604         | ---  | ---   | 96                     | ---  | ---  | ---   | 53           | 6.5          | 61.8           | 22.3        | <b>45.3</b> |
| Dynastie                            | <b>2107</b>  | ---  | ---   | 126                    | ---  | ---  | ---   | 52           | 6.3          | 62.4           | 22.8        | <b>43.6</b> |
| Flash                               | <b>1839</b>  | ---  | ---   | 110                    | ---  | ---  | ---   | 56           | 7.0          | 60.9           | 24.3        | 42.6        |
| Safran                              | <b>2102</b>  | ---  | ---   | 125                    | ---  | ---  | ---   | 55           | 6.1          | 62.4           | 23.6        | 42.6        |
| Sitro                               | <b>1752</b>  | ---  | ---   | 104                    | ---  | ---  | ---   | 55           | 5.9          | 62.3           | 22.4        | 43.5        |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | <b>1767</b>  | ---  | ---   | 105                    | ---  | ---  | ---   | 52           | 5.4          | 62.9           | 24.3        | <b>43.6</b> |
| HPX-6271                            | <b>1639</b>  | ---  | ---   | 98                     | ---  | ---  | ---   | 52           | 5.3          | 62.8           | 23.8        | <b>44.2</b> |
| HPX-7019                            | 1267         | ---  | ---   | 75                     | ---  | ---  | ---   | 56           | 5.4          | 30.1           | 25.4        | 42.2        |
| HPX-7127                            | <b>1819</b>  | ---  | ---   | 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        |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |             |
| 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                              | <b>1896</b>  | ---  | ---   | 113                    | ---  | ---  | ---   | 55           | 8.1          | 60.3           | 25.1        | 42.1        |
| KS4022                              | 1588         | ---  | ---   | 95                     | ---  | ---  | ---   | 54           | 7.5          | 60.9           | 24.6        | 42.5        |
| KS4426                              | <b>2006</b>  | ---  | ---   | 120                    | ---  | ---  | ---   | 56           | 8.5          | 60.1           | 23.9        | 43.1        |
| KS4475                              | <b>1862</b>  | ---  | ---   | 111                    | ---  | ---  | ---   | 58           | 7.8          | 60.7           | 26.3        | 40.6        |
| Riley                               | 1371         | ---  | ---   | 82                     | ---  | ---  | ---   | 55           | 5.7          | 62.6           | 23.9        | <b>44.0</b> |
| Sumner                              | 1434         | ---  | ---   | 85                     | ---  | ---  | ---   | 53           | 4.2          | 42.4           | 24.6        | 43.5        |
| Wichita                             | <b>1920</b>  | ---  | ---   | 114                    | ---  | ---  | ---   | 54           | 6.0          | 62.1           | 25.5        | 42.5        |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |             |
| Chrome                              | <b>2159</b>  | ---  | ---   | 129                    | ---  | ---  | ---   | 55           | 7.9          | 61.3           | 23.4        | <b>43.7</b> |
| Kadore                              | <b>1800</b>  | ---  | ---   | 107                    | ---  | ---  | ---   | 54           | 6.0          | 62.3           | 25.0        | 41.0        |
| MH06E10                             | 1497         | ---  | ---   | 89                     | ---  | ---  | ---   | 58           | 6.1          | 62.0           | 24.0        | 42.4        |
| MH06E11                             | <b>1672</b>  | ---  | ---   | 100                    | ---  | ---  | ---   | 56           | 5.9          | 62.6           | 23.0        | <b>43.7</b> |
| MH06E4                              | <b>2109</b>  | ---  | ---   | 126                    | ---  | ---  | ---   | 51           | 7.1          | 61.9           | 22.3        | <b>44.2</b> |
| MH905492                            | 1196         | ---  | ---   | 71                     | ---  | ---  | ---   | 55           | 3.5          | 0.0            | 24.0        | <b>43.6</b> |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| KSIU331                             | <b>1729</b>  | ---  | ---   | 103                    | ---  | ---  | ---   | 57           | 7.4          | 61.1           | 24.9        | 42.8        |

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

| Name                          | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Winter Survival (%) |       |      | Plant Height   | Moisture    | Test    |  |
|-------------------------------|--------------|------|-------|------------------------|------|------|---------------------|-------|------|----------------|-------------|---------|--|
|                               | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr.               | (in.) | (%)  | Weight (lb/bu) | Protein (%) | Oil (%) |  |
| <b>University of Arkansas</b> |              |      |       |                        |      |      |                     |       |      |                |             |         |  |
| ARC00005-2                    | <b>2032</b>  | ---  | ---   | 121                    | ---  | ---  | ---                 | 56    | 8.0  | 60.2           | 24.6        | 42.4    |  |
| ARC00024-2                    | <b>1729</b>  | ---  | ---   | 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    |  |
| <b>Mean</b>                   | 1678         | ---  | ---   | ---                    | ---  | ---  | ---                 | 54    | 6.1  | 53.5           | 24.3        | 42.8    |  |
| <b>CV</b>                     | 18           | ---  | ---   | ---                    | ---  | ---  | ---                 | 6     | 21.3 | 28.5           | 3.1         | 1.9     |  |
| <b>LSD (0.05)</b>             | 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

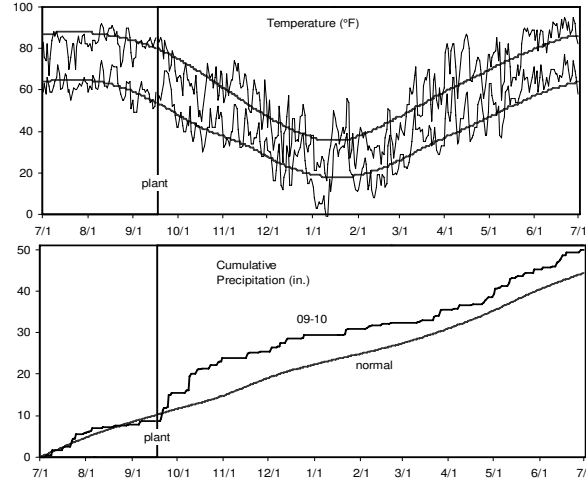


Table 14. Results for the 2010 National Winter Canola Variety Trial at Vincennes, IN

| 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 (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |                     |      |       |              |              |                |             |             |
| 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        |
| <b>Croplan Genetics</b>             |              |             |       |                        |                     |      |       |              |              |                |             |             |
| 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        |
| <b>DEKALB</b>                       |              |             |       |                        |                     |      |       |              |              |                |             |             |
| 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        |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |                     |      |       |              |              |                |             |             |
| 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        | <b>43.6</b> |
| Dynastie                            | 2211         | ---         | ---   | 116                    | ---                 | ---  | ---   | 56           | 8.3          | 60.1           | 24.4        | 42.4        |
| Flash                               | <b>2558</b>  | 2526        | 2542  | 134                    | ---                 | ---  | ---   | 61           | 8.7          | 59.7           | 25.8        | 41.8        |
| Safran                              | <b>2479</b>  | 2331        | 2405  | 130                    | ---                 | ---  | ---   | 55           | 8.5          | 59.9           | 25.5        | 41.3        |
| Sitro                               | <b>2729</b>  | 2722        | 2725  | 143                    | ---                 | ---  | ---   | 58           | 8.2          | 60.5           | 25.0        | 41.5        |
| Visby                               | 1958         | <b>2466</b> | 2212  | 102                    | ---                 | ---  | ---   | 56           | 8.3          | 59.7           | 24.3        | 41.9        |
| <b>High Plains Crop Development</b> |              |             |       |                        |                     |      |       |              |              |                |             |             |
| HPX-501                             | 2057         | <b>2533</b> | 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        |
| <b>Kansas State University</b>      |              |             |       |                        |                     |      |       |              |              |                |             |             |
| 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        |
| <b>MOMONT</b>                       |              |             |       |                        |                     |      |       |              |              |                |             |             |
| Chrome                              | <b>2258</b>  | ---         | ---   | 118                    | ---                 | ---  | ---   | 57           | 8.5          | 59.8           | 24.8        | <b>42.6</b> |
| Hybristar                           | <b>2405</b>  | 1865        | 2135  | 126                    | ---                 | ---  | ---   | 58           | 8.7          | 59.6           | 26.3        | 41.4        |
| Hybrisurf                           | 1683         | 2040        | 1861  | 88                     | ---                 | ---  | ---   | 53           | 9.4          | 57.8           | 24.6        | <b>43.5</b> |
| 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        | <b>43.3</b> |
| MH06E4                              | <b>2464</b>  | ---         | ---   | 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 (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 1893         | ---  | ---   | 99                     | ---                 | ---  | ---  | 60                 | 8.7          | 59.1  | 26.4           | 41.7        |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 1976         | 1973 | 1974  | 103                    | ---                 | ---  | ---  | 58                 | 9.5          | 57.9  | 26.4           | 41.0        |
| ARC00024-2                          | <b>2321</b>  | 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        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 1974         | 2086 | 2030  | 103                    | ---                 | ---  | ---  | 54                 | 9.4          | 58.1  | 27.4           | 40.3        |
| <b>Mean</b>                         | 1912         | 2055 | ---   | ---                    | ---                 | ---  | ---  | 57                 | 8.7          | 59.2  | 26.3           | 41.4        |
| <b>CV</b>                           | 16           | 13   | ---   | ---                    | ---                 | ---  | ---  | 5                  | 9.2          | 2.2   | 1.9            | 1.3         |
| <b>LSD (0.05)</b>                   | 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

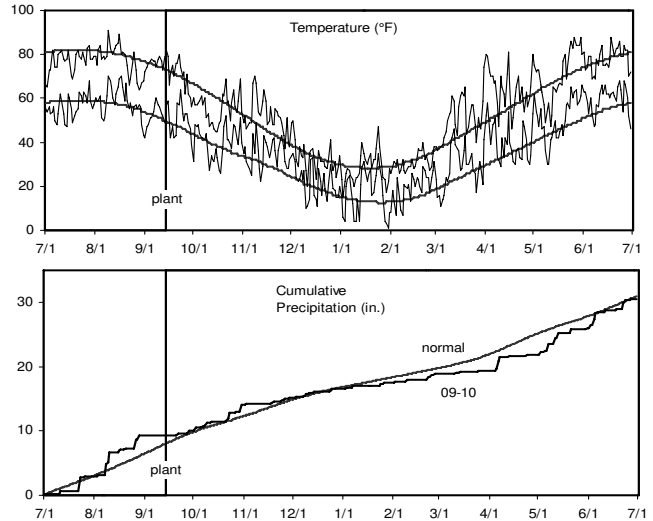


Table 15. Results for the 2010 National Winter Canola Variety Trial at East Lansing, MI

| 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| AAMU-18-07                          | 1659         | ---  | ---   | 81                     | 93   | ---   | ---                 | 45   | ---   | ---                | 25.2         | 42.7        |     |         |
| AAMU-33-07                          | 1984         | ---  | ---   | 97                     | 93   | ---   | ---                 | 48   | ---   | ---                | 25.5         | 42.1        |     |         |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| HyClass110W                         | 1860         | ---  | ---   | 91                     | 93   | ---   | ---                 | 49   | ---   | ---                | 26.4         | 41.7        |     |         |
| HyClass115W                         | 2146         | ---  | ---   | 104                    | 93   | ---   | ---                 | 50   | ---   | ---                | 26.8         | 42.1        |     |         |
| HyClass154W                         | <b>2205</b>  | ---  | ---   | 107                    | 93   | ---   | ---                 | 48   | ---   | ---                | 25.3         | 42.9        |     |         |
| <b>DEKALB</b>                       |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| DKW41-10                            | 1463         | ---  | ---   | 71                     | 95   | ---   | ---                 | 38   | ---   | ---                | 27.6         | 41.4        |     |         |
| DKW46-15                            | 1694         | ---  | ---   | 82                     | 93   | ---   | ---                 | 50   | ---   | ---                | 24.4         | <b>44.4</b> |     |         |
| DKW47-15                            | 1223         | ---  | ---   | 60                     | 93   | ---   | ---                 | 46   | ---   | ---                | 25.1         | 43.9        |     |         |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| Baldur                              | 1819         | ---  | ---   | 89                     | 93   | ---   | ---                 | 52   | ---   | ---                | 23.8         | 43.7        |     |         |
| Dimension                           | 2185         | ---  | ---   | 106                    | 95   | ---   | ---                 | 48   | ---   | ---                | 22.9         | <b>45.9</b> |     |         |
| Dynastie                            | <b>2725</b>  | ---  | ---   | 133                    | 95   | ---   | ---                 | 49   | ---   | ---                | 23.5         | 43.6        |     |         |
| Flash                               | <b>2201</b>  | ---  | ---   | 107                    | 92   | ---   | ---                 | 52   | ---   | ---                | 23.0         | <b>45.2</b> |     |         |
| Safran                              | <b>2381</b>  | ---  | ---   | 116                    | 92   | ---   | ---                 | 51   | ---   | ---                | 23.6         | 43.8        |     |         |
| Sitro                               | <b>2437</b>  | ---  | ---   | 119                    | 93   | ---   | ---                 | 51   | ---   | ---                | 24.8         | 42.2        |     |         |
| Visby                               | <b>2344</b>  | ---  | ---   | 114                    | 90   | ---   | ---                 | 50   | ---   | ---                | 23.4         | 43.6        |     |         |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| 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                            | <b>2218</b>  | ---  | ---   | 108                    | 93   | ---   | ---                 | 52   | ---   | ---                | 25.8         | 42.9        |     |         |
| <b>Kansas State University</b>      |              |      |       |                        |      |       |                     |      |       |                    |              |             |     |         |
| 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                              | <b>2214</b>  | ---  | ---   | 108                    | 90   | ---   | ---                 | 53   | ---   | ---                | 25.1         | 43.4        |     |         |
| KS4475                              | <b>2211</b>  | ---  | ---   | 108                    | 93   | ---   | ---                 | 52   | ---   | ---                | 25.4         | 42.6        |     |         |
| Riley                               | 1995         | ---  | ---   | 97                     | 92   | ---   | ---                 | 47   | ---   | ---                | 25.4         | 43.6        |     |         |
| Sumner                              | 1800         | ---  | ---   | 88                     | 95   | ---   | ---                 | 50   | ---   | ---                | 26.4         | 42.6        |     |         |
| Wichita                             | 2100         | ---  | ---   | 102                    | 95   | ---   | ---                 | 53   | ---   | ---                | 27.3         | 42.4        |     |         |



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

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

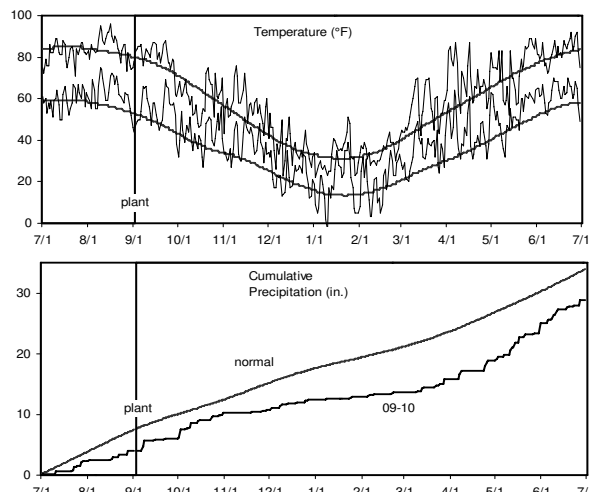


Table 16. Results for the 2010 National Winter Canola Variety Trial at Custar, OH

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

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

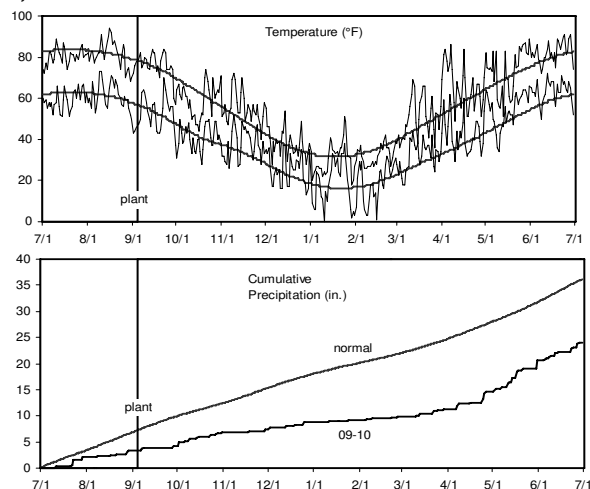
| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|-------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

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

Edwin Lentz  
The Ohio State University

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

### Fremont, Ohio



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

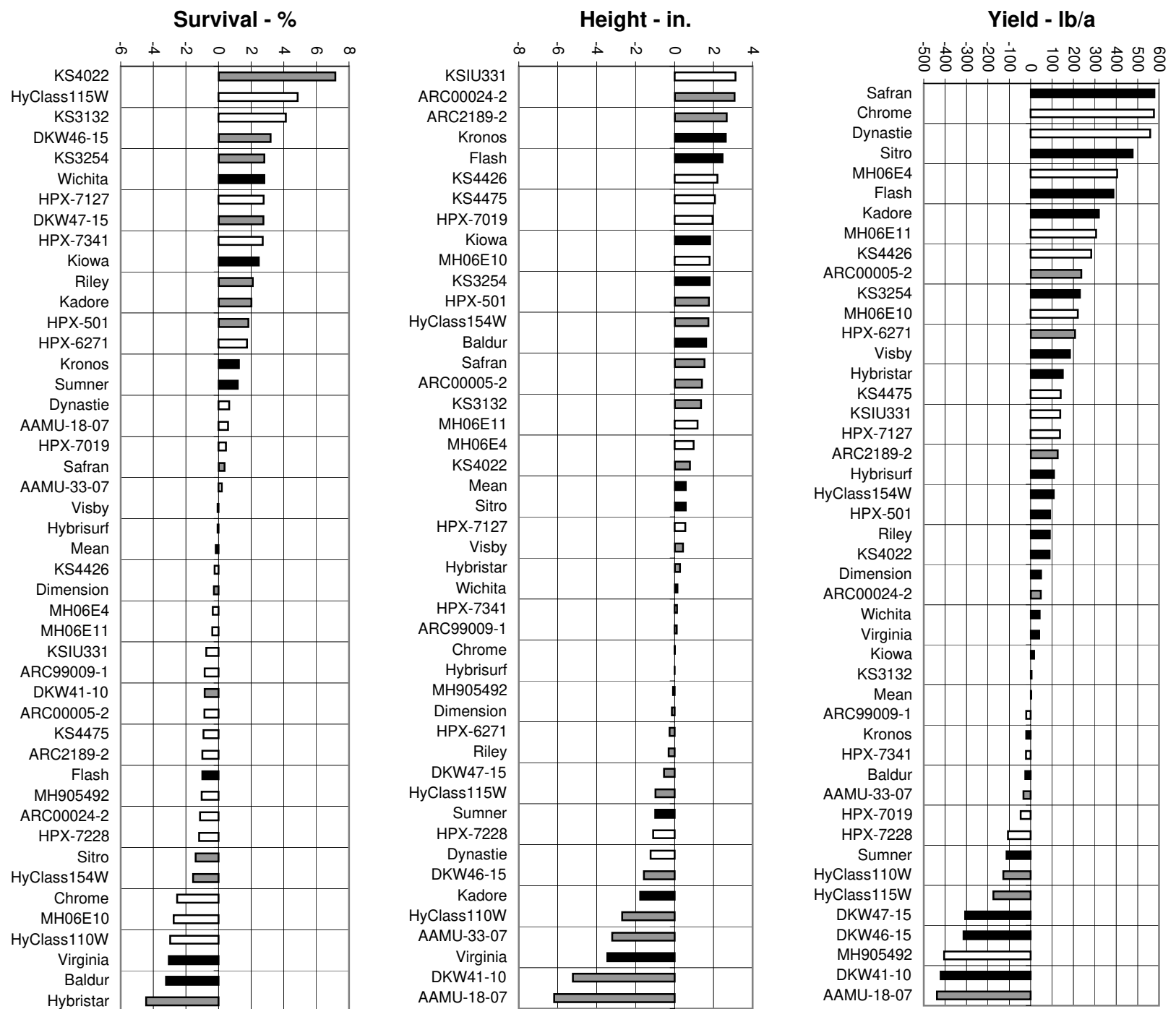
| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |       | Plant        |              | Test           |             |         |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|-------|--------------|--------------|----------------|-------------|---------|
|                                     | 2010         | 2009 | 2-Yr. |                        | 2010                | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>Croplan Genetics</b>             |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>DEKALB</b>                       |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                       |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |       |              |              |                |             |         |
| KSIU331                             | 1838         | ---  | ---   | 105                    | 98                  | ---  | ---   | 46           | ---          | ---            | 22.3        | 44.6    |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |       |              |              |                |             |         |
| 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    |

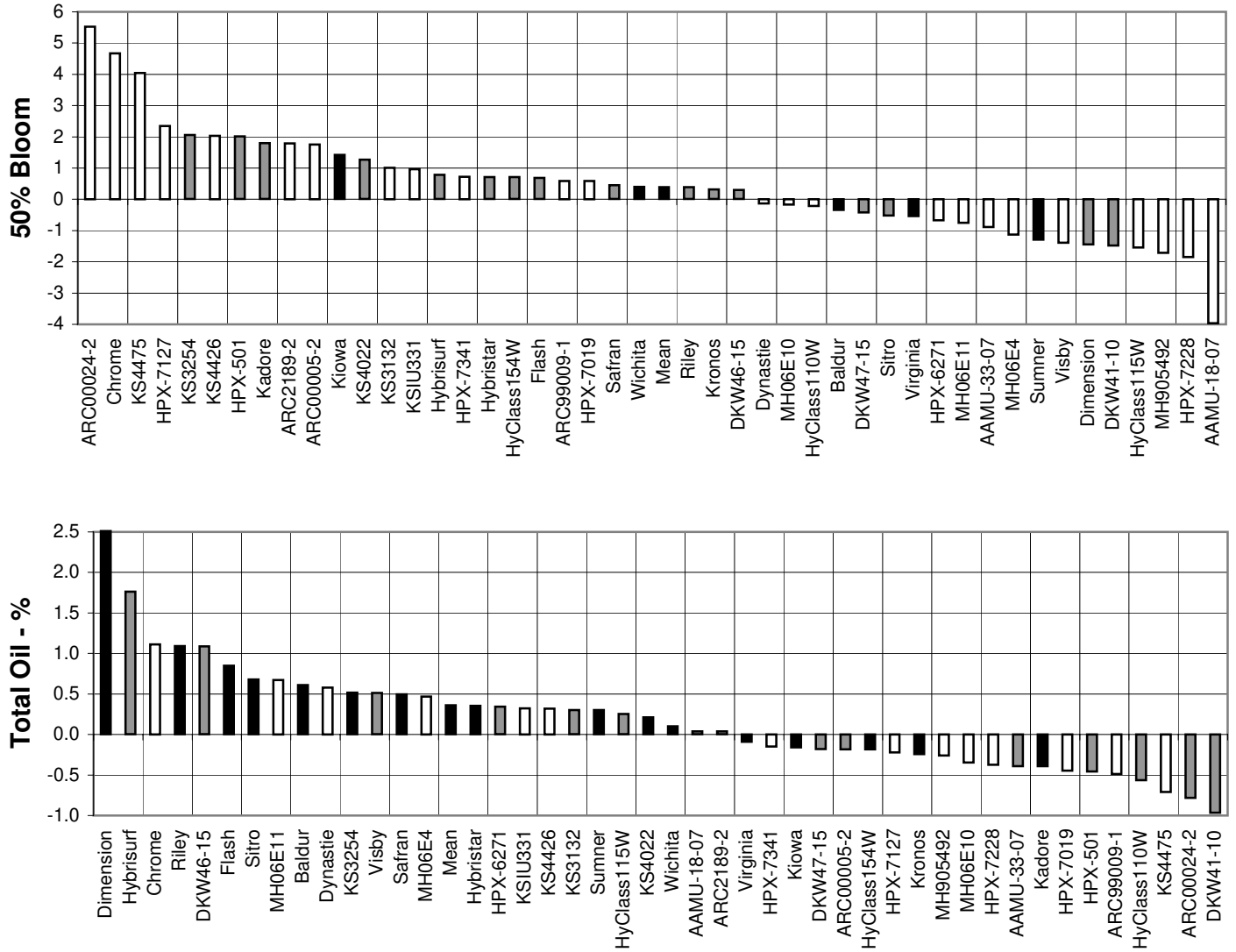
**Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH**

| 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 (%) |
| <b>Virginia State University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                         | 1597         | 2463 | 2030  | 92                     | 100                 | 98   | 99   | 39                 | ---          | ---   | 22.5           | 44.6        |
| <b>Mean</b>                      | 1743         | 2489 | ---   | ---                    | 99                  | 94   | ---  | 44                 | ---          | ---   | 22.6           | 44.3        |
| <b>CV</b>                        | 21           | 15   | ---   | ---                    | 1                   | 6    | ---  | 6                  | ---          | ---   | 2.5            | 1.1         |
| <b>LSD (0.05)</b>                | 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).

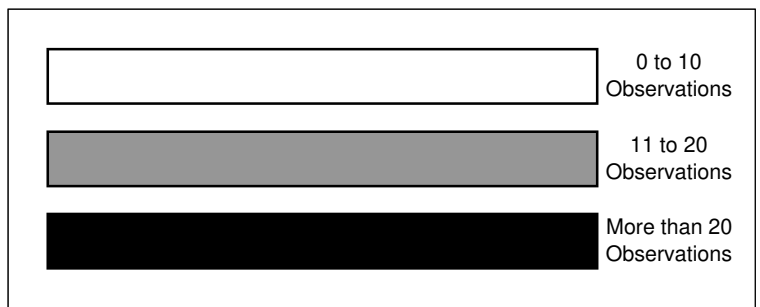


Figure 2. Midwest Winter Canola Summary, 2005-2010 (continued).

### 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

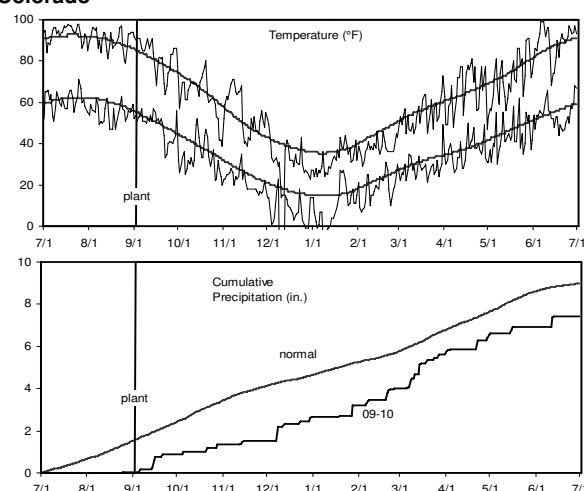


Table 18. Results for the 2010 National Winter Canola Variety Trial at Fruita, CO

| 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |         |
| AAMU-18-07                          | 2288         | 3553        | 2920  | 92                     | 95   | ---  | ---   | 39           | 7.8          | 46.9           | 24.9        | 43.2    |
| AAMU-33-07                          | 2562         | <b>3625</b> | 3093  | 103                    | 98   | ---  | ---   | 42           | 8.3          | 47.9           | 22.3        | 46.1    |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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                               | <b>2926</b>  | <b>3701</b> | 3314  | 118                    | 100  | ---  | ---   | 48           | 7.1          | 49.7           | 23.7        | 45.8    |
| Safran                              | 2596         | <b>3741</b> | 3168  | 105                    | 92   | ---  | ---   | 42           | 8.5          | 47.3           | 24.4        | 43.1    |
| Sitro                               | 2749         | <b>4257</b> | 3503  | 111                    | 97   | ---  | ---   | 45           | 5.7          | 49.1           | 21.7        | 45.5    |
| Visby                               | <b>3009</b>  | ---         | ---   | 121                    | 100  | ---  | ---   | 41           | 6.4          | 48.1           | 23.3        | 44.2    |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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                              | <b>2774</b>  | ---         | ---   | 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    |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |         |
| Chrome                              | <b>2975</b>  | ---         | ---   | 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                           | <b>3090</b>  | <b>4043</b> | 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                             | <b>3056</b>  | ---         | ---   | 123                    | 100  | ---  | ---   | 43           | 7.4          | 49.8           | 23.2        | 44.8    |
| MH06E11                             | <b>3391</b>  | ---         | ---   | 137                    | 98   | ---  | ---   | 47           | 5.7          | 49.5           | 22.4        | 45.3    |
| MH06E4                              | <b>3629</b>  | ---         | ---   | 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**

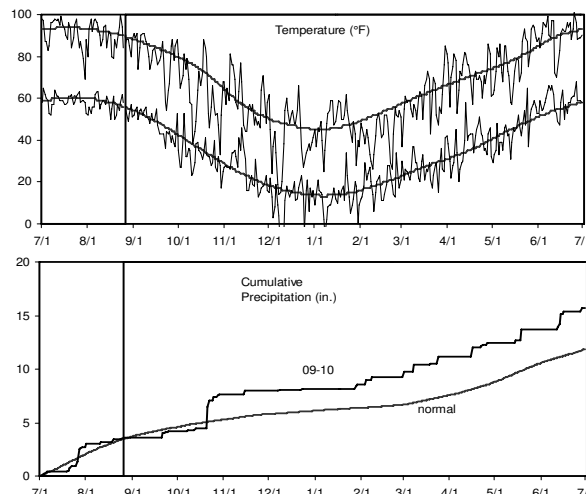
| Name                             | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      |       | Plant        |              | Test           |             |         |
|----------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|---------|
|                                  | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |
| <b>University of Arkansas</b>    |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Virginia State University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| Virginia                         | 2120         | 3405 | 2762  | 85                     | 87   | ---  | ---   | 41           | 10.1         | 47.1           | 24.0        | 43.5    |
| <b>Mean</b>                      | 2481         | 3336 | ---   | ---                    | 96   | ---  | ---   | 43           | 7.2          | 48.2           | 23.9        | 44.4    |
| <b>CV</b>                        | 22           | 12   | ---   | ---                    | 6    | ---  | ---   | 6            | 25.0         | 3.6            | 5.4         | 3.2     |
| <b>LSD (0.05)</b>                | 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**

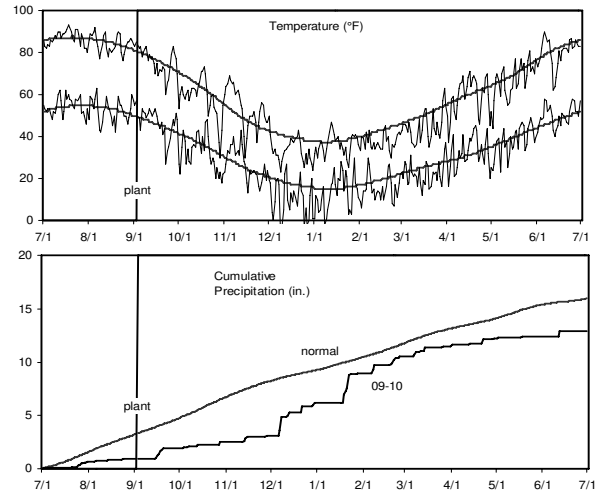
| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Plant |              |              | Test           |             |             |
|-------------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|---------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

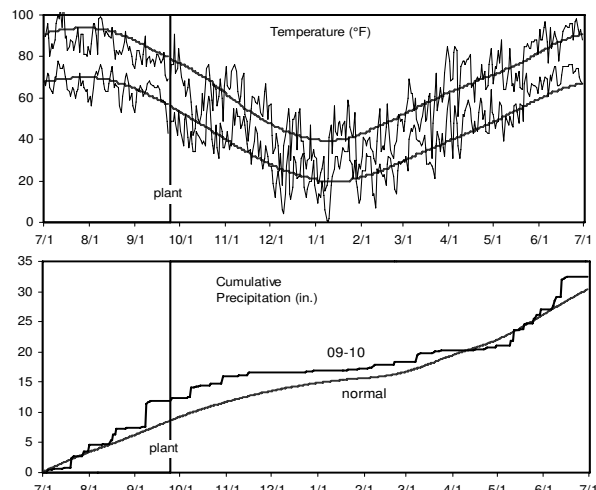
| Name                                | Yield (lb/a) |             |       | Yield (% of test avg.) |      |       | Plant        |              |                | Test        |         |      |
|-------------------------------------|--------------|-------------|-------|------------------------|------|-------|--------------|--------------|----------------|-------------|---------|------|
|                                     | 2010         | 2009        | 2-Yr. | 2010                   | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%) |      |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |       |              |              |                |             |         |      |
| HyClass154W                         | 1480         | ---         | ---   | 97                     | 98   | ---   | 47           | 6.3          | 45.1           | 29.4        | 38.2    |      |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |       |              |              |                |             |         |      |
| Baldur                              | <b>1746</b>  | 3818        | 2782  | 115                    | 100  | 96    | 98           | 47           | 6.2            | 49.0        | 25.2    | 41.6 |
| Dimension                           | 1407         | <b>3968</b> | 2688  | 92                     | 88   | 96    | 92           | 47           | 6.0            | 47.1        | 27.5    | 40.6 |
| Dynastie                            | <b>1507</b>  | ---         | ---   | 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                              | <b>1493</b>  | <b>4486</b> | 2990  | 98                     | 90   | 96    | 93           | 45           | 6.3            | 44.0        | 25.8    | 41.7 |
| Sitro                               | <b>1745</b>  | <b>4738</b> | 3242  | 115                    | 91   | 97    | 94           | 47           | 6.1            | 46.4        | 25.6    | 41.7 |
| Visby                               | <b>1866</b>  | <b>3969</b> | 2918  | 123                    | 97   | 95    | 96           | 48           | 6.5            | 45.5        | 24.7    | 41.9 |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |       |              |              |                |             |         |      |
| HPX-501                             | <b>1758</b>  | 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                            | <b>1653</b>  | ---         | ---   | 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 |
| <b>Kansas State University</b>      |              |             |       |                        |      |       |              |              |                |             |         |      |
| Kiowa                               | 1003         | 3131        | 2067  | 66                     | 97   | 92    | 94           | 49           | 6.3            | 43.8        | 30.1    | 37.5 |
| KS3254                              | <b>1758</b>  | 3732        | 2745  | 116                    | 100  | 92    | 96           | 52           | 6.2            | 47.8        | 29.0    | 39.2 |
| KS4426                              | <b>1619</b>  | ---         | ---   | 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                               | <b>1588</b>  | 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 |
| <b>MOMONT</b>                       |              |             |       |                        |      |       |              |              |                |             |         |      |
| Chrome                              | <b>2021</b>  | ---         | ---   | 133                    | 94   | ---   | ---          | 48           | 6.5            | 48.4        | 25.0    | 42.7 |
| Hybristar                           | <b>1691</b>  | ---         | ---   | 111                    | 98   | ---   | ---          | 47           | 6.1            | 44.5        | 27.8    | 39.2 |
| Hybrisurf                           | <b>1633</b>  | ---         | ---   | 107                    | 88   | ---   | ---          | 47           | 6.2            | 45.2        | 27.5    | 40.7 |
| Kadore                              | <b>1839</b>  | ---         | ---   | 121                    | 98   | ---   | ---          | 44           | 6.6            | 47.6        | 24.7    | 41.6 |
| MH06E10                             | <b>1807</b>  | ---         | ---   | 119                    | 98   | ---   | ---          | 50           | 6.4            | 48.6        | 27.2    | 40.0 |
| MH06E11                             | <b>1522</b>  | ---         | ---   | 100                    | 99   | ---   | ---          | 49           | 6.2            | 48.0        | 25.1    | 41.5 |
| MH06E4                              | <b>2017</b>  | ---         | ---   | 133                    | 89   | ---   | ---          | 50           | 6.4            | 48.5        | 25.0    | 42.8 |
| MH905492                            | 1040         | ---         | ---   | 68                     | 92   | ---   | ---          | 43           | 6.3            | 42.4        | 29.5    | 38.4 |
| <b>Virginia State University</b>    |              |             |       |                        |      |       |              |              |                |             |         |      |
| Virginia                            | 1017         | 3228        | 2123  | 67                     | 99   | 94    | 97           | 40           | 6.3            | 42.7        | 27.6    | 39.5 |
| <b>Mean</b>                         | 1522         | 3640        | ---   | ---                    | 96   | 95    | ---          | 48           | 6.3            | 45.7        | 27.5    | 40.2 |
| <b>CV</b>                           | 22           | 14          | ---   | ---                    | 5    | 5     | ---          | 4            | 4.6            | 6.5         | 9.6     | 7.5  |
| <b>LSD (0.05)</b>                   | 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**

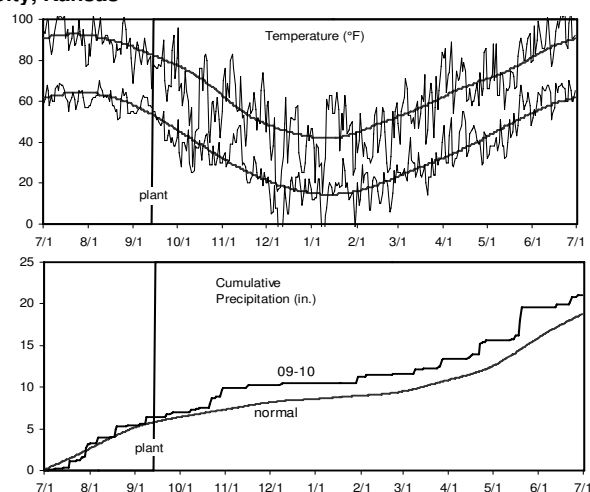
| Name                           | Yield (lb/a) |             |       | Yield (% of test avg.) |      |      | Plant |              |              | Test           |             |             |
|--------------------------------|--------------|-------------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-----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

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

### Garden City, Kansas

Johnathon Holman  
Kansas State University

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



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

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

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

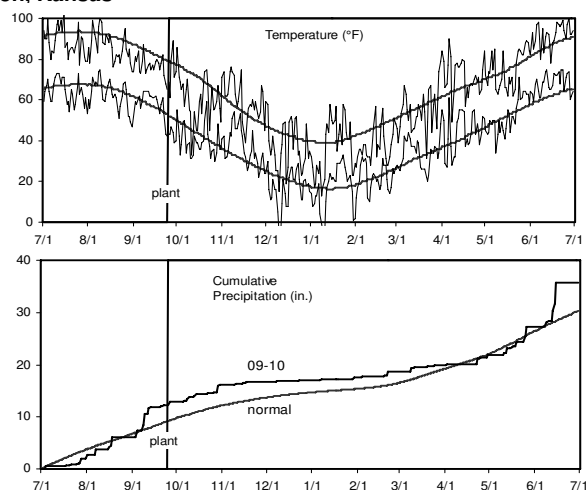
| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Winter Survival (%) |       |     | Plant Height   | Moisture    | Test        |  |
|-------------------------------------|--------------|------|-------|------------------------|------|------|---------------------|-------|-----|----------------|-------------|-------------|--|
|                                     | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr.               | (in.) | (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |  |
| <b>Southern Illinois University</b> |              |      |       |                        |      |      |                     |       |     |                |             |             |  |
| KSIU331                             | 2430         | ---  | ---   | 103                    | 83   | ---  | ---                 | 52    | 6.8 | 53.0           | 29.2        | <b>38.8</b> |  |
| <b>University of Arkansas</b>       |              |      |       |                        |      |      |                     |       |     |                |             |             |  |
| 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        |  |
| <b>Virginia State University</b>    |              |      |       |                        |      |      |                     |       |     |                |             |             |  |
| Virginia                            | <b>2616</b>  | ---  | ---   | 111                    | 70   | ---  | ---                 | 43    | 7.3 | 51.7           | 29.4        | 37.4        |  |
| <b>Mean</b>                         | 2348         | ---  | ---   | ---                    | 65   | ---  | ---                 | 47    | 7.4 | 52.5           | 29.3        | 38.1        |  |
| <b>CV</b>                           | 12           | ---  | ---   | ---                    | 15   | ---  | ---                 | 6     | 8.1 | 2.0            | 1.7         | 1.3         |  |
| <b>LSD (0.05)</b>                   | 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 (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |             |
| AAMU-18-07                          | 1963         | 692         | 1327  | 95                     | ---  | ---  | ---   | ---          | 7.9          | 50.9           | 25.4        | <b>42.2</b> |
| AAMU-33-07                          | <b>2203</b>  | 1082        | 1643  | 106                    | ---  | ---  | ---   | ---          | 8.7          | 52.9           | 24.3        | <b>41.3</b> |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |             |
| HyClass110W                         | 1647         | 794         | 1221  | 79                     | ---  | ---  | ---   | ---          | 8.4          | 51.6           | 25.8        | <b>41.1</b> |
| HyClass115W                         | <b>2150</b>  | 609         | 1379  | 104                    | ---  | ---  | ---   | ---          | 8.1          | 51.1           | 25.3        | <b>42.6</b> |
| HyClass154W                         | 1806         | <b>1251</b> | 1529  | 87                     | ---  | ---  | ---   | ---          | 8.6          | 52.7           | 25.9        | 38.4        |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>42.4</b> |
| DKW47-15                            | 2031         | 782         | 1406  | 98                     | ---  | ---  | ---   | ---          | 8.7          | 51.5           | 26.5        | 40.7        |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |             |
| Baldur                              | <b>2145</b>  | <b>1394</b> | 1770  | 103                    | ---  | ---  | ---   | ---          | 7.7          | 52.2           | 22.4        | <b>42.8</b> |
| Dimension                           | 1911         | 697         | 1304  | 92                     | ---  | ---  | ---   | ---          | 8.5          | 52.5           | 23.6        | <b>43.1</b> |
| Dynastie                            | <b>2498</b>  | ---         | ---   | 120                    | ---  | ---  | ---   | ---          | 8.7          | 52.4           | 24.0        | <b>42.2</b> |
| Flash                               | 2030         | <b>1366</b> | 1698  | 98                     | ---  | ---  | ---   | ---          | 8.8          | 51.7           | 25.2        | <b>41.1</b> |
| Safran                              | <b>2361</b>  | <b>1513</b> | 1937  | 114                    | ---  | ---  | ---   | ---          | 8.0          | 52.8           | 24.2        | <b>41.7</b> |
| Sitro                               | <b>2390</b>  | <b>1388</b> | 1889  | 115                    | ---  | ---  | ---   | ---          | 8.1          | 52.5           | 24.3        | <b>41.4</b> |
| Visby                               | <b>2432</b>  | <b>1274</b> | 1853  | 117                    | ---  | ---  | ---   | ---          | 8.1          | 52.4           | 23.7        | <b>41.3</b> |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | 1875         | <b>1318</b> | 1596  | 90                     | ---  | ---  | ---   | ---          | 8.0          | 52.1           | 25.4        | <b>42.3</b> |
| HPX-6271                            | 2080         | <b>1259</b> | 1669  | 100                    | ---  | ---  | ---   | ---          | 7.9          | 51.9           | 25.3        | <b>42.8</b> |
| HPX-7019                            | 2092         | ---         | ---   | 101                    | ---  | ---  | ---   | ---          | 7.4          | 52.1           | 24.7        | <b>42.8</b> |
| HPX-7127                            | <b>2213</b>  | ---         | ---   | 107                    | ---  | ---  | ---   | ---          | 8.3          | 52.2           | 25.3        | <b>41.4</b> |
| HPX-7228                            | 2093         | ---         | ---   | 101                    | ---  | ---  | ---   | ---          | 7.8          | 51.6           | 25.0        | <b>41.5</b> |
| HPX-7341                            | <b>2389</b>  | ---         | ---   | 115                    | ---  | ---  | ---   | ---          | 8.0          | 52.6           | 25.3        | <b>41.9</b> |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |             |
| Kiowa                               | 1989         | 1120        | 1555  | 96                     | ---  | ---  | ---   | ---          | 8.4          | 50.9           | 24.8        | 40.6        |
| KS3132                              | <b>2338</b>  | <b>1530</b> | 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                               | <b>2242</b>  | <b>1479</b> | 1860  | 108                    | ---  | ---  | ---   | ---          | 8.0          | 51.7           | 25.4        | <b>41.6</b> |
| Sumner                              | 1786         | 946         | 1366  | 86                     | ---  | ---  | ---   | ---          | 8.5          | 51.9           | 26.7        | <b>41.5</b> |
| Wichita                             | 2047         | <b>1238</b> | 1643  | 99                     | ---  | ---  | ---   | ---          | 8.4          | 51.8           | 26.0        | <b>41.1</b> |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| Chrome                              | <b>2400</b>  | ---         | ---   | 116                    | ---  | ---  | ---   | ---          | 8.0          | 52.7           | 23.1        | <b>42.5</b> |
| Hybristar                           | <b>2173</b>  | 869         | 1521  | 105                    | ---  | ---  | ---   | ---          | 8.4          | 52.3           | 25.1        | 40.7        |
| Hybrisurf                           | <b>2268</b>  | 777         | 1522  | 109                    | ---  | ---  | ---   | ---          | 7.7          | 51.9           | 23.1        | <b>43.4</b> |
| Kadore                              | <b>2206</b>  | <b>1465</b> | 1835  | 106                    | ---  | ---  | ---   | ---          | 8.7          | 53.4           | 25.6        | 38.8        |
| MH06E10                             | 1950         | ---         | ---   | 94                     | ---  | ---  | ---   | ---          | 8.3          | 52.6           | 24.4        | <b>41.4</b> |
| MH06E11                             | <b>2274</b>  | ---         | ---   | 110                    | ---  | ---  | ---   | ---          | 8.0          | 52.5           | 23.1        | <b>42.7</b> |
| MH06E4                              | 1909         | ---         | ---   | 92                     | ---  | ---  | ---   | ---          | 8.3          | 51.6           | 25.0        | 40.8        |
| MH905492                            | 1604         | ---         | ---   | 77                     | ---  | ---  | ---   | ---          | 8.0          | 51.3           | 24.8        | <b>42.6</b> |

**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 (%) |
| <b>Southern Illinois University</b> |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | <b>2113</b>  | ---         | ---   | 102                    | ---                 | ---  | ---  | ---                | 8.5          | 52.5  | 25.9           | 40.1        |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 2069         | 864         | 1466  | 100                    | ---                 | ---  | ---  | ---                | 8.1          | 52.0  | 25.3           | 40.4        |
| ARC00024-2                          | <b>2127</b>  | 936         | 1532  | 103                    | ---                 | ---  | ---  | ---                | 8.5          | 52.6  | 26.8           | 38.9        |
| ARC2189-2                           | <b>2102</b>  | <b>1148</b> | 1625  | 101                    | ---                 | ---  | ---  | ---                | 8.4          | 51.4  | 26.2           | 39.8        |
| ARC99009-1                          | 1957         | ---         | ---   | 94                     | ---                 | ---  | ---  | ---                | 8.6          | 51.3  | 24.9           | <b>41.3</b> |
| <b>Virginia State University</b>    |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 1967         | 876         | 1421  | 95                     | ---                 | ---  | ---  | ---                | 7.6          | 51.1  | 23.8           | <b>42.8</b> |
| <b>Mean</b>                         | 2074         | 1084        | ---   | ---                    | ---                 | ---  | ---  | ---                | 8.2          | 52.0  | 25.0           | 41.4        |
| <b>CV</b>                           | 12           | 25          | ---   | ---                    | ---                 | ---  | ---  | ---                | 9.0          | 1.3   | 3.8            | 2.9         |
| <b>LSD (0.05)</b>                   | 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.

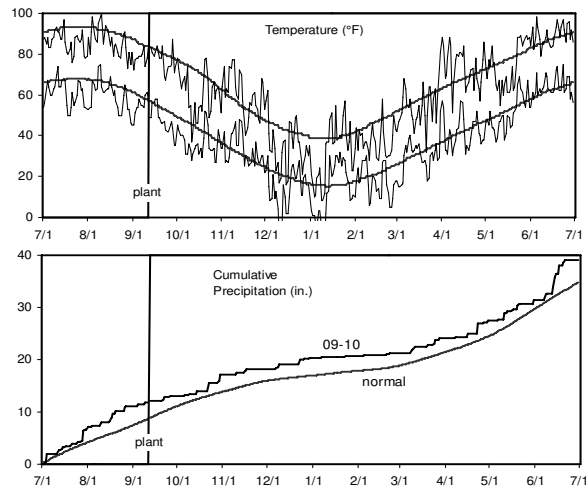


Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

| 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 (%) |      |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |       |              |              |                |             |         |      |
| 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 |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |       |              |              |                |             |         |      |
| 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 |
| <b>DEKALB</b>                       |              |             |       |                        |      |       |              |              |                |             |         |      |
| 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 |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |       |              |              |                |             |         |      |
| Baldur                              | 1874         | <b>1089</b> | 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         | <b>1045</b> | 1513  | 122                    | 90   | 77    | 83           | 53           | 7.6            | 49.2        | 24.7    | 40.4 |
| Safran                              | 1823         | <b>1144</b> | 1483  | 112                    | 100  | 70    | 85           | 48           | 8.6            | 46.3        | 23.4    | 39.9 |
| Sitro                               | 2671         | <b>1424</b> | 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 |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |       |              |              |                |             |         |      |
| HPX-501                             | 2271         | 532         | 1401  | 139                    | 100  | 90    | 95           | 51           | 7.7            | 49.0        | 25.8    | 40.2 |
| HPX-6271                            | 1987         | <b>1248</b> | 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 |
| <b>Kansas State University</b>      |              |             |       |                        |      |       |              |              |                |             |         |      |
| Kiowa                               | 1407         | 971         | 1189  | 86                     | 100  | 90    | 95           | 53           | 8.9            | 47.5        | 25.1    | 37.7 |
| KS3132                              | 1946         | <b>1278</b> | 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         | <b>1353</b> | 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 |
| <b>MOMONT</b>                       |              |             |       |                        |      |       |              |              |                |             |         |      |
| 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**

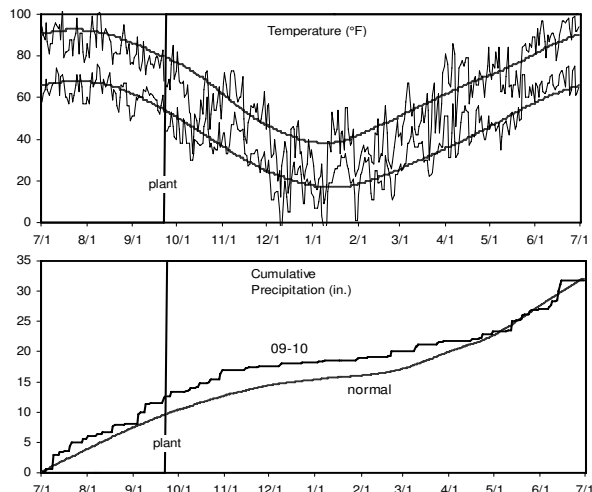
| Name                                | Yield (lb/a) |             |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|-------------------------------------|--------------|-------------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
|                                     | 2010         | 2009        | 2-Yr. |                        | 2010                | 2010 | 2009 |                    |              | 2-Yr. | Weight (lb/bu) | Protein (%) |
| <b>Southern Illinois University</b> |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 2601         | ---         | ---   | 160                    | 100                 | ---  | ---  | 54                 | 8.5          | 49.6  | 24.7           | <b>42.3</b> |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| 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         | <b>1017</b> | 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        |
| <b>Virginia State University</b>    |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 2421         | 718         | 1570  | 149                    | 98                  | 77   | 87   | 45                 | 9.2          | 50.1  | 23.6           | <b>42.1</b> |
| <b>Mean</b>                         | 2063         | 861         | ---   | ---                    | 97                  | 79   | 88   | 50                 | 8.4          | 48.9  | 24.1           | 41.0        |
| <b>CV</b>                           | 21           | 37          | ---   | ---                    | 5                   | 128  | 67   | 4                  | 11.5         | 2.9   | 2.1            | 3.2         |
| <b>LSD (0.05)</b>                   | 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**

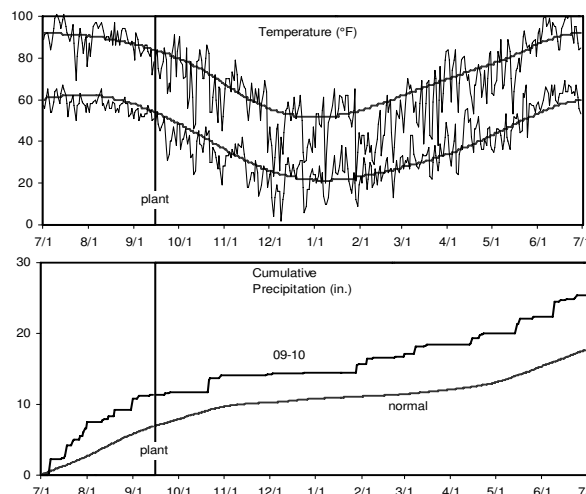
| Name                           | Yield (lb/a) |      |       | Yield (% of test avg.) |      |      | Plant |              |              | Test           |             |             |
|--------------------------------|--------------|------|-------|------------------------|------|------|-------|--------------|--------------|----------------|-------------|-------------|
|                                | 2010         | 2009 | 2-Yr. | 2010                   | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) | Oil (%)     |
| <b>Croplan Genetics</b>        |              |      |       |                        |      |      |       |              |              |                |             |             |
| 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        |
| <b>DEKALB</b>                  |              |      |       |                        |      |      |       |              |              |                |             |             |
| DKW41-10                       | 1570         | ---  | ---   | 76                     | 98   | ---  | ---   | ---          | 8.2          | 50.1           | 26.1        | 41.4        |
| DKW46-15                       | 1895         | ---  | ---   | 92                     | 97   | ---  | ---   | ---          | 7.1          | 49.6           | 23.9        | <b>43.4</b> |
| DKW47-15                       | 1831         | ---  | ---   | 89                     | 99   | ---  | ---   | ---          | 7.6          | 49.6           | 25.6        | 41.9        |
| <b>DL Seeds Inc.</b>           |              |      |       |                        |      |      |       |              |              |                |             |             |
| Flash                          | <b>2557</b>  | ---  | ---   | 124                    | 97   | ---  | ---   | ---          | 8.2          | 49.2           | 24.0        | <b>43.1</b> |
| Safran                         | 2285         | ---  | ---   | 111                    | 98   | ---  | ---   | ---          | 7.6          | 49.7           | 23.6        | <b>43.5</b> |
| Sitro                          | <b>2858</b>  | ---  | ---   | 139                    | 97   | ---  | ---   | ---          | 7.7          | 50.0           | 23.4        | <b>42.8</b> |
| <b>Kansas State University</b> |              |      |       |                        |      |      |       |              |              |                |             |             |
| Kiowa                          | 1733         | ---  | ---   | 84                     | 100  | ---  | ---   | ---          | 7.4          | 49.4           | 25.3        | 41.4        |
| Riley                          | 1938         | ---  | ---   | 94                     | 100  | ---  | ---   | ---          | 7.9          | 49.6           | 24.4        | <b>43.1</b> |
| Sumner                         | 2006         | ---  | ---   | 97                     | 99   | ---  | ---   | ---          | 8.0          | 49.9           | 24.9        | <b>42.7</b> |
| Wichita                        | 1879         | ---  | ---   | 91                     | 99   | ---  | ---   | ---          | 7.5          | 50.1           | 26.0        | 41.7        |
| <b>MOMONT</b>                  |              |      |       |                        |      |      |       |              |              |                |             |             |
| Hybristar                      | 2054         | ---  | ---   | 100                    | 93   | ---  | ---   | ---          | 7.6          | 49.1           | 24.5        | 42.3        |
| Hybrisurf                      | 2334         | ---  | ---   | 113                    | 91   | ---  | ---   | ---          | 8.2          | 48.9           | 23.1        | <b>44.1</b> |
| Kadore                         | 2376         | ---  | ---   | 115                    | 100  | ---  | ---   | ---          | 7.7          | 50.3           | 24.1        | 41.4        |
| <b>Mean</b>                    | 2063         | ---  | ---   | ---                    | 98   | ---  | ---   | ---          | 7.7          | 49.5           | 24.7        | 42.4        |
| <b>CV</b>                      | 14           | ---  | ---   | ---                    | 3    | ---  | ---   | ---          | 7.1          | 1.3            | 2.0         | 1.5         |
| <b>LSD (0.05)</b>              | 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 (%) |
| <b>Croplan Genetics</b>        |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DEKALB</b>                  |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>           |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                  |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Mean</b>                    | 3463         | ---  | ---   | ---                    | ---  | ---  | ---   | 46           | 5.2          | 51.8           | 28.1        | 39.4    |
| <b>CV</b>                      | 10           | ---  | ---   | ---                    | ---  | ---  | ---   | 6            | 8.4          | 2.3            | 2.9         | 2.6     |
| <b>LSD (0.05)</b>              | 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

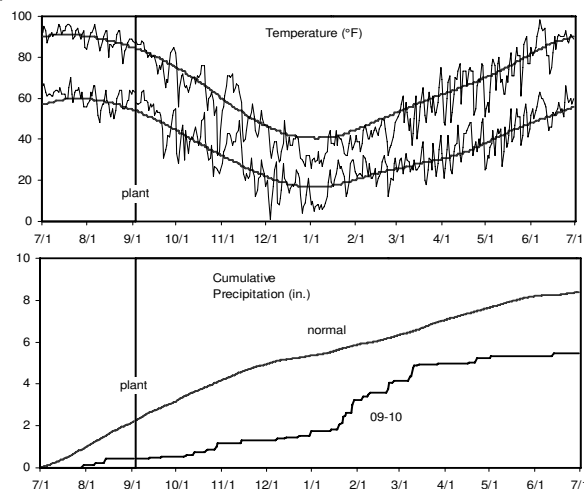


Table 27. Results for the 2010 National Winter Canola Variety Trial at Farmington, NM

| 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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         | <b>4550</b> | 3566  | 86                     | ---  | ---  | ---   | 41           | 9.4          | 35.4           | 27.3        | 35.8    |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |         |
| Baldur                              | 2493         | <b>4726</b> | 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         | <b>5717</b> | 4454  | 107                    | ---  | ---  | ---   | 44           | 9.3          | 37.4           | 27.5        | 37.5    |
| Safran                              | <b>4118</b>  | 4043        | 4081  | 138                    | ---  | ---  | ---   | 45           | 9.3          | 39.2           | 26.8        | 37.7    |
| Sitro                               | <b>4459</b>  | <b>5166</b> | 4812  | 149                    | ---  | ---  | ---   | 43           | 6.0          | 44.4           | 27.5        | 40.0    |
| Visby                               | 3439         | <b>4363</b> | 3901  | 115                    | ---  | ---  | ---   | 45           | 6.5          | 43.1           | 28.1        | 39.2    |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |         |
| HPX-501                             | 3055         | <b>4421</b> | 3738  | 102                    | ---  | ---  | ---   | 46           | 8.3          | 37.7           | 27.6        | 35.9    |
| HPX-6271                            | 2863         | <b>4440</b> | 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    |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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                              | <b>3559</b>  | <b>5104</b> | 4331  | 119                    | ---  | ---  | ---   | 47           | 7.4          | 43.2           | 28.5        | 38.9    |
| KS4426                              | 3119         | ---         | ---   | 104                    | ---  | ---  | ---   | 42           | 6.2          | 41.5           | 27.7        | 38.0    |
| KS4475                              | <b>3857</b>  | ---         | ---   | 129                    | ---  | ---  | ---   | 42           | 6.7          | 45.8           | 28.4        | 39.8    |
| Riley                               | <b>3570</b>  | 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         | <b>4726</b> | 3634  | 85                     | ---  | ---  | ---   | 40           | 7.0          | 37.9           | 28.5        | 37.1    |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |         |
| 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                           | <b>3862</b>  | <b>5868</b> | 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 (%) |
| <b>University of Arkansas</b>    |              |             |       |                        |      |      |       |              |              |                |             |         |
| ARC00005-2                       | 2956         | <b>4242</b> | 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    |
| <b>Virginia State University</b> |              |             |       |                        |      |      |       |              |              |                |             |         |
| Virginia                         | 3408         | <b>4382</b> | 3895  | 114                    | ---  | ---  | ---   | 41           | 8.7          | 38.3           | 28.6        | 36.7    |
| <b>Mean</b>                      | 2989         | 4150        | ---   | ---                    | ---  | ---  | ---   | 43           | 7.9          | 39.3           | 27.8        | 37.4    |
| <b>CV</b>                        | 19           | 25          | ---   | ---                    | ---  | ---  | ---   | 9            | 36.9         | 10.6           | 3.4         | 5.1     |
| <b>LSD (0.05)</b>                | 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.

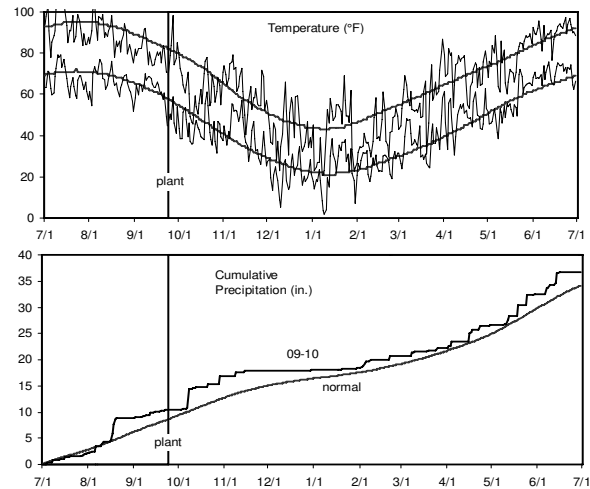


Table 28. Results for the 2010 National Winter Canola Variety Trial at Enid, OK

| 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 (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |      |      |       |              |              |                |             |             |
| AAMU-18-07                          | 1070         | 1710        | 1390  | 59                     | 20   | ---  | ---   | 45           | 11.3         | 50.4           | 26.2        | 42.7        |
| AAMU-33-07                          | 1615         | <b>2488</b> | 2051  | 89                     | 5    | ---  | ---   | 45           | 11.7         | 51.5           | 26.7        | 42.4        |
| <b>Croplan Genetics</b>             |              |             |       |                        |      |      |       |              |              |                |             |             |
| HyClass110W                         | 1656         | 2153        | 1904  | 91                     | 12   | ---  | ---   | 45           | 11.1         | 51.4           | 27.8        | 40.2        |
| HyClass115W                         | <b>2629</b>  | 1861        | 2245  | 144                    | 82   | ---  | ---   | 51           | 11.1         | 51.4           | 26.1        | <b>43.6</b> |
| HyClass154W                         | <b>1987</b>  | 2198        | 2093  | 109                    | 29   | ---  | ---   | 50           | 11.4         | 51.4           | 26.4        | 41.1        |
| <b>DEKALB</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| DKW41-10                            | <b>2495</b>  | 1835        | 2165  | 137                    | 78   | ---  | ---   | 44           | 10.0         | 52.3           | 28.1        | 41.7        |
| DKW46-15                            | <b>2746</b>  | 2126        | 2436  | 151                    | 57   | ---  | ---   | 51           | 10.2         | 51.6           | 25.6        | <b>44.8</b> |
| DKW47-15                            | <b>2270</b>  | 1933        | 2102  | 125                    | 28   | ---  | ---   | 49           | 10.7         | 51.5           | 26.7        | 42.5        |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |      |      |       |              |              |                |             |             |
| Baldur                              | 1490         | <b>2697</b> | 2093  | 82                     | 29   | ---  | ---   | 46           | 11.9         | 51.1           | 26.6        | 41.1        |
| Dimension                           | 1233         | <b>2651</b> | 1942  | 68                     | 2    | ---  | ---   | 46           | 11.8         | 51.4           | 25.6        | 42.5        |
| Dynastie                            | <b>2230</b>  | ---         | ---   | 122                    | 22   | ---  | ---   | 51           | 11.0         | 51.8           | 24.3        | <b>43.6</b> |
| Flash                               | 1077         | <b>2517</b> | 1797  | 59                     | 4    | ---  | ---   | 47           | 11.6         | 51.0           | 26.8        | 41.8        |
| Safran                              | 1799         | <b>2731</b> | 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                               | <b>2535</b>  | <b>2447</b> | 2491  | 139                    | 18   | ---  | ---   | 49           | 10.4         | 51.9           | 24.4        | <b>43.4</b> |
| <b>High Plains Crop Development</b> |              |             |       |                        |      |      |       |              |              |                |             |             |
| HPX-501                             | <b>2625</b>  | <b>2587</b> | 2606  | 144                    | 30   | ---  | ---   | 51           | 10.6         | 52.0           | 27.4        | 42.0        |
| HPX-6271                            | <b>2296</b>  | <b>2532</b> | 2414  | 126                    | 32   | ---  | ---   | 48           | 11.1         | 51.9           | 26.9        | 43.1        |
| HPX-7019                            | <b>2731</b>  | ---         | ---   | 150                    | 35   | ---  | ---   | 50           | 10.6         | 52.0           | 26.8        | 42.3        |
| HPX-7127                            | <b>2623</b>  | ---         | ---   | 144                    | 43   | ---  | ---   | 50           | 10.7         | 51.7           | 27.1        | 42.4        |
| HPX-7228                            | <b>2901</b>  | ---         | ---   | 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        |
| <b>Kansas State University</b>      |              |             |       |                        |      |      |       |              |              |                |             |             |
| Kiowa                               | <b>2205</b>  | 2211        | 2208  | 121                    | 60   | ---  | ---   | 51           | 11.3         | 51.9           | 27.1        | 41.3        |
| KS3132                              | <b>2565</b>  | <b>2578</b> | 2571  | 141                    | 47   | ---  | ---   | 50           | 10.1         | 51.8           | 25.9        | 42.8        |
| Riley                               | <b>2190</b>  | <b>2698</b> | 2444  | 120                    | 27   | ---  | ---   | 49           | 11.1         | 51.6           | 27.3        | 43.2        |
| KS4426                              | <b>2520</b>  | ---         | ---   | 138                    | 45   | ---  | ---   | 51           | 10.9         | 51.9           | 25.9        | 42.7        |
| KS4475                              | <b>2632</b>  | ---         | ---   | 145                    | 25   | ---  | ---   | 54           | 11.0         | 52.2           | 27.8        | 41.4        |
| Sumner                              | <b>2307</b>  | <b>2465</b> | 2386  | 127                    | 68   | ---  | ---   | 51           | 11.4         | 52.1           | 26.7        | 43.2        |
| Wichita                             | <b>2591</b>  | <b>2547</b> | 2569  | 142                    | 60   | ---  | ---   | 49           | 10.8         | 52.0           | 26.1        | 42.8        |
| <b>MOMONT</b>                       |              |             |       |                        |      |      |       |              |              |                |             |             |
| 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        | <b>43.3</b> |
| Kadore                              | <b>2344</b>  | <b>2503</b> | 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 (%) |
| <b>Southern Illinois University</b> |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | <b>2678</b>  | ---         | ---   | 147                    | 73                  | ---  | ---  | 53                 | 11.2         | 52.1  | 25.5           | <b>43.3</b> |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 1644         | <b>2592</b> | 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         | <b>2551</b> | 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        |
| <b>Virginia State University</b>    |              |             |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 1055         | <b>2470</b> | 1762  | 58                     | 2                   | ---  | ---  | 44                 | 11.8         | 50.3  | 27.6           | 41.3        |
| <b>Mean</b>                         | 1821         | 2330        | ---   | ---                    | 27                  | ---  | ---  | 48                 | 11.1         | 51.6  | 26.5           | 42.3        |
| <b>CV</b>                           | 32           | 10          | ---   | ---                    | 65                  | ---  | ---  | 6                  | 7.2          | 1.2   | 3.0            | 1.6         |
| <b>LSD (0.05)</b>                   | 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

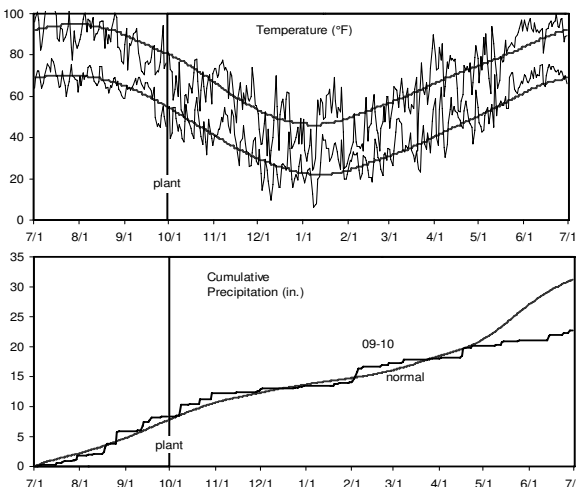


Table 29. Results for the 2010 National Winter Canola Variety Trial at Fort Cobb, OK

| 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 (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DEKALB</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>Kansas State University</b>      |              |      |       |                        |      |      |       |              |              |                |             |         |
| 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    |
| <b>MOMONT</b>                       |              |      |       |                        |      |      |       |              |              |                |             |         |
| Chrome                              | 2659         | ---  | ---   | 112                    | ---  | ---  | ---   | 40           | 5.2          | 50.6           | 24.0        | 42.3    |
| Hybristar                           | 2340         | ---  | ---   | 98                     | ---  | ---  | ---   | 43           | 5.1          | 50.1           | 25.9        | 40.6    |
| Hybrisurf                           | 2420         | ---  | ---   | 102                    | ---  | ---  | ---   | 41           | 5.4          | 49.9           | 24.3        | 42.1    |
| Kadore                              | 2349         | ---  | ---   | 99                     | ---  | ---  | ---   | 39           | 5.3          | 51.3           | 25.7        | 39.2    |
| MH06E10                             | 2603         | ---  | ---   | 110                    | ---  | ---  | ---   | 45           | 5.3          | 50.3           | 25.6        | 40.4    |
| MH06E11                             | 2614         | ---  | ---   | 110                    | ---  | ---  | ---   | 45           | 5.2          | 50.1           | 24.4        | 40.9    |
| MH06E4                              | 2741         | ---  | ---   | 115                    | ---  | ---  | ---   | 43           | 5.3          | 50.1           | 24.7        | 41.2    |
| MH905492                            | 2527         | ---  | ---   | 106                    | ---  | ---  | ---   | 42           | 5.4          | 50.3           | 25.5        | 41.8    |

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

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|--------------|-------|----------------|-------------|
|                                     | 2010         | 2009 | 2-Yr. |                        | 2010                | 2010 | 2009 |                    |              | 2-Yr. | Weight (lb/bu) | Protein (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 2276         | ---  | ---   | 96                     | ---                 | ---  | ---  | 43                 | 5.3          | 51.1  | 25.5           | 40.9        |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | 2222         | ---  | ---   | 93                     | ---                 | ---  | ---  | 43                 | 5.2          | 51.1  | 25.1           | <b>41.6</b> |
| 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        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 2382         | ---  | ---   | 100                    | ---                 | ---  | ---  | 42                 | 5.1          | 50.2  | 26.6           | 40.5        |
| <b>Mean</b>                         | 2377         | ---  | ---   | ---                    | ---                 | ---  | ---  | 42                 | 5.2          | 50.5  | 25.8           | 40.9        |
| <b>CV</b>                           | 8            | ---  | ---   | ---                    | ---                 | ---  | ---  | 4                  | 4.7          | 1.3   | 2.8            | 1.5         |
| <b>LSD (0.05)</b>                   | 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

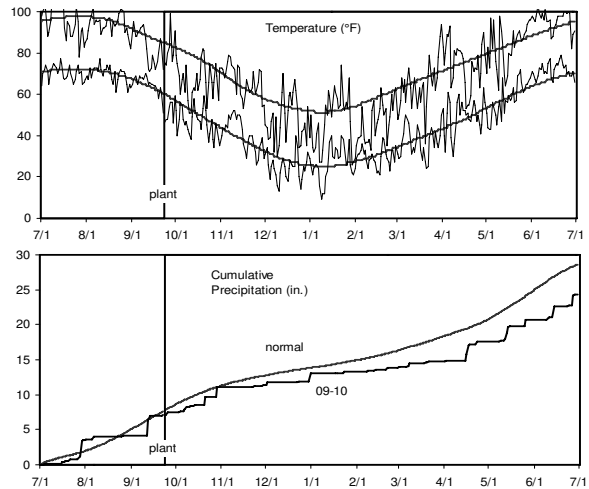


Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, TX

| 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 (%)     |  |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |       |              |              |                |             |             |  |
| AAMU-18-07                          | 2129         | ---  | ---   | 82                     | ---  | ---   | 49           | 6.5          | 51.4           | 23.3        | <b>43.7</b> |  |
| AAMU-33-07                          | 2614         | ---  | ---   | 100                    | ---  | ---   | 52           | 6.9          | 53.1           | 25.6        | 42.2        |  |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |       |              |              |                |             |             |  |
| 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        |  |
| <b>DEKALB</b>                       |              |      |       |                        |      |       |              |              |                |             |             |  |
| DKW41-10                            | 1951         | ---  | ---   | 75                     | ---  | ---   | 42           | 6.8          | 55.1           | 27.5        | 41.8        |  |
| DKW46-15                            | 2287         | ---  | ---   | 88                     | ---  | ---   | 48           | 6.5          | 53.7           | 23.5        | <b>44.8</b> |  |
| DKW47-15                            | 2323         | ---  | ---   | 89                     | ---  | ---   | 50           | 6.7          | 53.7           | 26.8        | 41.3        |  |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |       |              |              |                |             |             |  |
| Baldur                              | 2623         | ---  | ---   | 101                    | ---  | ---   | 51           | 7.0          | 54.6           | 22.6        | <b>44.0</b> |  |
| Dimension                           | 2686         | ---  | ---   | 103                    | ---  | ---   | 54           | 7.0          | 53.8           | 23.0        | <b>45.1</b> |  |
| Dynastie                            | <b>3312</b>  | ---  | ---   | 127                    | ---  | ---   | 53           | 6.5          | 54.6           | 24.8        | <b>43.8</b> |  |
| Flash                               | <b>3149</b>  | ---  | ---   | 121                    | ---  | ---   | 55           | 7.0          | 54.6           | 24.4        | <b>44.3</b> |  |
| Safran                              | <b>3158</b>  | ---  | ---   | 121                    | ---  | ---   | 50           | 6.6          | 54.6           | 23.5        | <b>43.9</b> |  |
| Sitro                               | <b>2977</b>  | ---  | ---   | 114                    | ---  | ---   | 53           | 6.7          | 54.4           | 22.6        | <b>44.4</b> |  |
| Visby                               | <b>2904</b>  | ---  | ---   | 111                    | ---  | ---   | 53           | 7.0          | 54.5           | 23.0        | <b>43.6</b> |  |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |       |              |              |                |             |             |  |
| HPX-501                             | 2487         | ---  | ---   | 95                     | ---  | ---   | 52           | 6.7          | 54.4           | 24.7        | 42.5        |  |
| HPX-6271                            | 2541         | ---  | ---   | 98                     | ---  | ---   | 52           | 6.9          | 54.1           | 24.2        | <b>43.9</b> |  |
| HPX-7019                            | 2532         | ---  | ---   | 97                     | ---  | ---   | 55           | 6.6          | 53.8           | 24.9        | <b>43.3</b> |  |
| HPX-7127                            | 2450         | ---  | ---   | 94                     | ---  | ---   | 50           | 6.8          | 53.8           | 23.9        | <b>43.3</b> |  |
| HPX-7228                            | <b>2804</b>  | ---  | ---   | 108                    | ---  | ---   | 48           | 6.8          | 55.0           | 23.8        | <b>43.6</b> |  |
| HPX-7341                            | 2623         | ---  | ---   | 101                    | ---  | ---   | 56           | 7.0          | 54.5           | 24.7        | <b>43.3</b> |  |
| <b>Kansas State University</b>      |              |      |       |                        |      |       |              |              |                |             |             |  |
| Kiowa                               | 2514         | ---  | ---   | 96                     | ---  | ---   | 54           | 7.6          | 52.9           | 25.7        | 41.5        |  |
| KS3254                              | <b>2931</b>  | ---  | ---   | 113                    | ---  | ---   | 54           | 7.1          | 54.1           | 24.2        | <b>43.8</b> |  |
| KS4426                              | 2577         | ---  | ---   | 99                     | ---  | ---   | 54           | 7.0          | 54.5           | 23.7        | <b>43.4</b> |  |
| 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        |  |
| <b>MOMONT</b>                       |              |      |       |                        |      |       |              |              |                |             |             |  |
| Chrome                              | <b>3185</b>  | ---  | ---   | 122                    | ---  | ---   | 51           | 6.6          | 54.6           | 22.8        | <b>44.6</b> |  |
| Hybristar                           | 2623         | ---  | ---   | 101                    | ---  | ---   | 52           | 6.7          | 53.8           | 23.7        | 43.0        |  |
| Hybrisurf                           | 2360         | ---  | ---   | 91                     | ---  | ---   | 50           | 7.0          | 53.9           | 23.4        | <b>44.6</b> |  |
| Kadore                              | <b>2795</b>  | ---  | ---   | 107                    | ---  | ---   | 44           | 6.9          | 53.9           | 22.9        | 42.6        |  |
| MH06E10                             | 2732         | ---  | ---   | 105                    | ---  | ---   | 52           | 6.5          | 54.3           | 22.7        | <b>44.1</b> |  |
| MH06E11                             | <b>3086</b>  | ---  | ---   | 118                    | ---  | ---   | 54           | 6.9          | 53.9           | 23.0        | <b>45.0</b> |  |
| MH06E4                              | <b>2813</b>  | ---  | ---   | 108                    | ---  | ---   | 49           | 6.8          | 54.0           | 23.2        | <b>43.9</b> |  |
| MH905492                            | 2550         | ---  | ---   | 98                     | ---  | ---   | 50           | 6.6          | 54.2           | 25.3        | <b>43.8</b> |  |

**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 (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | <b>2777</b>  | ---  | ---   | 107                    | ---                 | ---  | ---  | 51                 | 7.2          | 53.5  | 24.3           | <b>43.5</b> |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| 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           | <b>43.7</b> |
| ARC99009-1                          | 2369         | ---  | ---   | 91                     | ---                 | ---  | ---  | 56                 | 7.0          | 54.1  | 24.2           | 43.2        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 2396         | ---  | ---   | 92                     | ---                 | ---  | ---  | 52                 | 7.0          | 53.2  | 23.9           | <b>44.0</b> |
| <b>Mean</b>                         | 2606         | ---  | ---   | ---                    | ---                 | ---  | ---  | 52                 | 6.9          | 53.9  | 24.4           | 43.3        |
| <b>CV</b>                           | 13           | ---  | ---   | ---                    | ---                 | ---  | ---  | 78                 | 5.2          | 1.5   | 4.6            | 2.1         |
| <b>LSD (0.05)</b>                   | 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

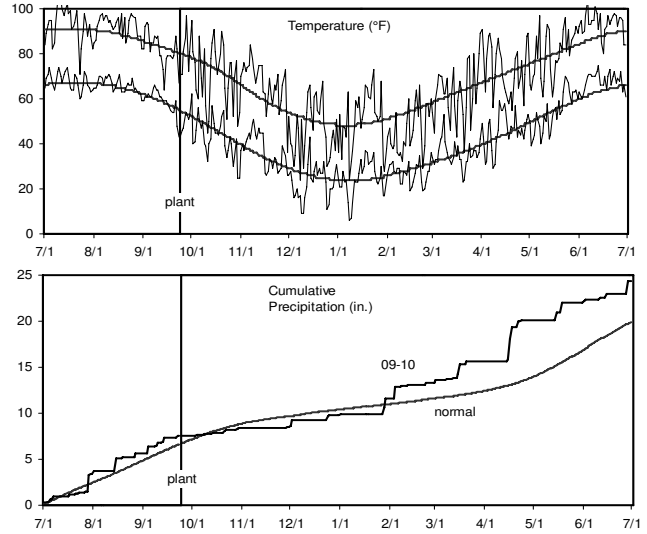


Table 31. Results for the 2010 National Winter Canola Variety Trial at Halfway, TX

| 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.               |    |     |                    |              |                     |             |         |
| <b>Croplan Genetics</b>        |              |      |       |                        |      |      |                     |    |     |                    |              |                     |             |         |
| HyClass110W                    | 1037         | ---  | ---   | 94                     | ---  | ---  | ---                 | 41 | --- | 45.1               | 29.1         | 37.0                |             |         |
| HyClass115W                    | 906          | ---  | ---   | 82                     | ---  | ---  | ---                 | 44 | --- | 46.8               | 28.6         | <b>38.0</b>         |             |         |
| HyClass154W                    | 1015         | ---  | ---   | 92                     | ---  | ---  | ---                 | 47 | --- | 48.1               | 30.3         | 35.5                |             |         |
| <b>DEKALB</b>                  |              |      |       |                        |      |      |                     |    |     |                    |              |                     |             |         |
| DKW41-10                       | 738          | ---  | ---   | 67                     | ---  | ---  | ---                 | 38 | --- | 45.6               | 30.2         | 37.0                |             |         |
| DKW46-15                       | 1072         | ---  | ---   | 97                     | ---  | ---  | ---                 | 39 | --- | 48.2               | 26.8         | <b>39.3</b>         |             |         |
| DKW47-15                       | 989          | ---  | ---   | 90                     | ---  | ---  | ---                 | 43 | --- | 47.2               | 30.3         | 36.8                |             |         |
| <b>DL Seeds Inc.</b>           |              |      |       |                        |      |      |                     |    |     |                    |              |                     |             |         |
| Dimension                      | 793          | ---  | ---   | 72                     | ---  | ---  | ---                 | 46 | --- | 48.8               | 28.9         | <b>37.9</b>         |             |         |
| Flash                          | 1156         | ---  | ---   | 105                    | ---  | ---  | ---                 | 45 | --- | 48.1               | 28.9         | <b>38.1</b>         |             |         |
| Safran                         | <b>1482</b>  | ---  | ---   | 134                    | ---  | ---  | ---                 | 45 | --- | 51.3               | 28.2         | <b>37.8</b>         |             |         |
| Sitro                          | 1258         | ---  | ---   | 114                    | ---  | ---  | ---                 | 45 | --- | 46.0               | 28.0         | 37.1                |             |         |
| <b>Kansas State University</b> |              |      |       |                        |      |      |                     |    |     |                    |              |                     |             |         |
| Kiowa                          | <b>1315</b>  | ---  | ---   | 119                    | ---  | ---  | ---                 | 45 | --- | 47.7               | 28.8         | 36.2                |             |         |
| Sumner                         | 1178         | ---  | ---   | 107                    | ---  | ---  | ---                 | 42 | --- | 47.9               | 28.0         | <b>38.3</b>         |             |         |
| Wichita                        | <b>1619</b>  | ---  | ---   | 147                    | ---  | ---  | ---                 | 43 | --- | 47.2               | 28.7         | <b>38.0</b>         |             |         |
| <b>MOMONT</b>                  |              |      |       |                        |      |      |                     |    |     |                    |              |                     |             |         |
| Hybristar                      | 994          | ---  | ---   | 90                     | ---  | ---  | ---                 | 43 | --- | 46.1               | 27.1         | <b>38.8</b>         |             |         |
| Hybrisurf                      | 1205         | ---  | ---   | 109                    | ---  | ---  | ---                 | 43 | --- | 49.5               | 26.4         | <b>38.2</b>         |             |         |
| Kadore                         | 905          | ---  | ---   | 82                     | ---  | ---  | ---                 | 42 | --- | 47.6               | 29.2         | 35.4                |             |         |
| <b>Mean</b>                    | 1104         | ---  | ---   | ---                    | ---  | ---  | ---                 | 43 | --- | 47.6               | 28.6         | 37.5                |             |         |
| <b>CV</b>                      | 30           | ---  | ---   | ---                    | ---  | ---  | ---                 | 6  | --- | 5.7                | 2.1          | 2.1                 |             |         |
| <b>LSD (0.05)</b>              | 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

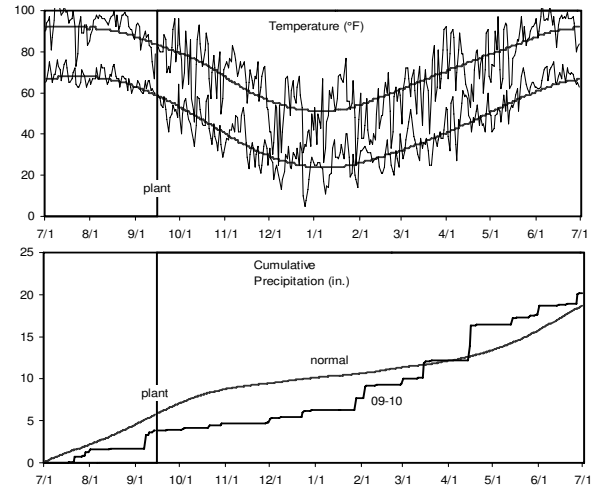


Table 32. Results for the 2010 National Winter Canola Variety Trial at Lubbock, TX

| 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 (%) |  |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |      |       |              |              |                |             |         |  |
| AAMU-18-07                          | 1018         | ---  | ---   | 71                     | ---  | ---   | ---          | ---          | ---            | 25.5        | 39.4    |  |
| AAMU-33-07                          | <b>1726</b>  | ---  | ---   | 120                    | ---  | ---   | ---          | ---          | ---            | 25.5        | 41.1    |  |
| <b>Croplan Genetics</b>             |              |      |       |                        |      |       |              |              |                |             |         |  |
| HyClass110W                         | 352          | ---  | ---   | 24                     | ---  | ---   | ---          | ---          | ---            | 30.1        | 37.7    |  |
| HyClass115W                         | <b>1424</b>  | ---  | ---   | 99                     | ---  | ---   | ---          | ---          | ---            | 26.8        | 40.4    |  |
| HyClass154W                         | 913          | ---  | ---   | 63                     | ---  | ---   | ---          | ---          | ---            | 25.8        | 38.9    |  |
| <b>DEKALB</b>                       |              |      |       |                        |      |       |              |              |                |             |         |  |
| DKW41-10                            | 353          | ---  | ---   | 24                     | ---  | ---   | ---          | ---          | ---            | 31.0        | 37.9    |  |
| DKW46-15                            | 988          | ---  | ---   | 68                     | ---  | ---   | ---          | ---          | ---            | 26.0        | 41.1    |  |
| DKW47-15                            | 819          | ---  | ---   | 57                     | ---  | ---   | ---          | ---          | ---            | 26.8        | 38.8    |  |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |      |       |              |              |                |             |         |  |
| Baldur                              | <b>1518</b>  | ---  | ---   | 105                    | ---  | ---   | ---          | ---          | ---            | 24.5        | 42.8    |  |
| Dimension                           | <b>1894</b>  | ---  | ---   | 131                    | ---  | ---   | ---          | ---          | ---            | 23.8        | 44.3    |  |
| Dynastie                            | 1270         | ---  | ---   | 88                     | ---  | ---   | ---          | ---          | ---            | 23.6        | 41.8    |  |
| Flash                               | 962          | ---  | ---   | 67                     | ---  | ---   | ---          | ---          | ---            | 25.5        | 42.2    |  |
| Safran                              | <b>1978</b>  | ---  | ---   | 137                    | ---  | ---   | ---          | ---          | ---            | 25.8        | 41.5    |  |
| Sitro                               | 1147         | ---  | ---   | 80                     | ---  | ---   | ---          | ---          | ---            | 24.8        | 41.4    |  |
| Visby                               | <b>1924</b>  | ---  | ---   | 133                    | ---  | ---   | ---          | ---          | ---            | 26.0        | 40.4    |  |
| <b>High Plains Crop Development</b> |              |      |       |                        |      |       |              |              |                |             |         |  |
| HPX-501                             | <b>1652</b>  | ---  | ---   | 115                    | ---  | ---   | ---          | ---          | ---            | 28.5        | 40.2    |  |
| HPX-6271                            | 1151         | ---  | ---   | 80                     | ---  | ---   | ---          | ---          | ---            | 26.6        | 41.5    |  |
| HPX-7019                            | 1230         | ---  | ---   | 85                     | ---  | ---   | ---          | ---          | ---            | 29.2        | 39.2    |  |
| HPX-7127                            | <b>1813</b>  | ---  | ---   | 126                    | ---  | ---   | ---          | ---          | ---            | 26.0        | 42.4    |  |
| HPX-7228                            | 1286         | ---  | ---   | 89                     | ---  | ---   | ---          | ---          | ---            | 28.8        | 39.5    |  |
| HPX-7341                            | 1402         | ---  | ---   | 97                     | ---  | ---   | ---          | ---          | ---            | 26.2        | 41.6    |  |
| <b>Kansas State University</b>      |              |      |       |                        |      |       |              |              |                |             |         |  |
| Kiowa                               | <b>1762</b>  | ---  | ---   | 122                    | ---  | ---   | ---          | ---          | ---            | 26.5        | 41.5    |  |
| KS3254                              | <b>1997</b>  | ---  | ---   | 138                    | ---  | ---   | ---          | ---          | ---            | 26.0        | 42.4    |  |
| KS4426                              | <b>1507</b>  | ---  | ---   | 104                    | ---  | ---   | ---          | ---          | ---            | 25.7        | 41.4    |  |
| KS4475                              | 1001         | ---  | ---   | 69                     | ---  | ---   | ---          | ---          | ---            | 27.0        | 42.1    |  |
| Riley                               | <b>2033</b>  | ---  | ---   | 141                    | ---  | ---   | ---          | ---          | ---            | 26.3        | 42.2    |  |
| Sumner                              | <b>1809</b>  | ---  | ---   | 125                    | ---  | ---   | ---          | ---          | ---            | 27.4        | 42.4    |  |
| Wichita                             | 1134         | ---  | ---   | 79                     | ---  | ---   | ---          | ---          | ---            | 26.5        | 42.3    |  |
| <b>MOMONT</b>                       |              |      |       |                        |      |       |              |              |                |             |         |  |
| Chrome                              | 1391         | ---  | ---   | 96                     | ---  | ---   | ---          | ---          | ---            | 25.7        | 40.0    |  |
| Hybristar                           | <b>1858</b>  | ---  | ---   | 129                    | ---  | ---   | ---          | ---          | ---            | 26.0        | 43.0    |  |
| Hybrisurf                           | <b>1954</b>  | ---  | ---   | 135                    | ---  | ---   | ---          | ---          | ---            | 26.1        | 41.0    |  |
| Kadore                              | <b>2142</b>  | ---  | ---   | 148                    | ---  | ---   | ---          | ---          | ---            | 25.2        | 40.4    |  |
| MH06E10                             | <b>1572</b>  | ---  | ---   | 109                    | ---  | ---   | ---          | ---          | ---            | 25.5        | 41.4    |  |
| MH06E11                             | <b>1758</b>  | ---  | ---   | 122                    | ---  | ---   | ---          | ---          | ---            | 23.6        | 44.2    |  |
| MH06E4                              | <b>1934</b>  | ---  | ---   | 134                    | ---  | ---   | ---          | ---          | ---            | 26.2        | 41.9    |  |
| MH905492                            | <b>1631</b>  | ---  | ---   | 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 (%) |
| <b>Southern Illinois University</b> |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| KSIU331                             | 993          | ---  | ---   | 69                     | ---                 | ---  | ---  | ---                | ---          | ---   | 27.4           | 41.1        |
| <b>University of Arkansas</b>       |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| ARC00005-2                          | <b>1930</b>  | ---  | ---   | 134                    | ---                 | ---  | ---  | ---                | ---          | ---   | 27.4           | 40.6        |
| ARC00024-2                          | <b>1904</b>  | ---  | ---   | 132                    | ---                 | ---  | ---  | ---                | ---          | ---   | 26.7           | 41.0        |
| ARC2189-2                           | 1054         | ---  | ---   | 73                     | ---                 | ---  | ---  | ---                | ---          | ---   | 26.8           | 41.0        |
| ARC99009-1                          | <b>1721</b>  | ---  | ---   | 119                    | ---                 | ---  | ---  | ---                | ---          | ---   | 26.4           | 41.1        |
| <b>Virginia State University</b>    |              |      |       |                        |                     |      |      |                    |              |       |                |             |
| Virginia                            | 1100         | ---  | ---   | 76                     | ---                 | ---  | ---  | ---                | ---          | ---   | 26.8           | 38.2        |
| <b>Mean</b>                         | 1442         | ---  | ---   | ---                    | ---                 | ---  | ---  | ---                | ---          | ---   | 26.3           | 41.0        |
| <b>CV</b>                           | 31           | ---  | ---   | ---                    | ---                 | ---  | ---  | ---                | ---          | ---   | 4.8            | 4.2         |
| <b>LSD (0.05)</b>                   | 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.

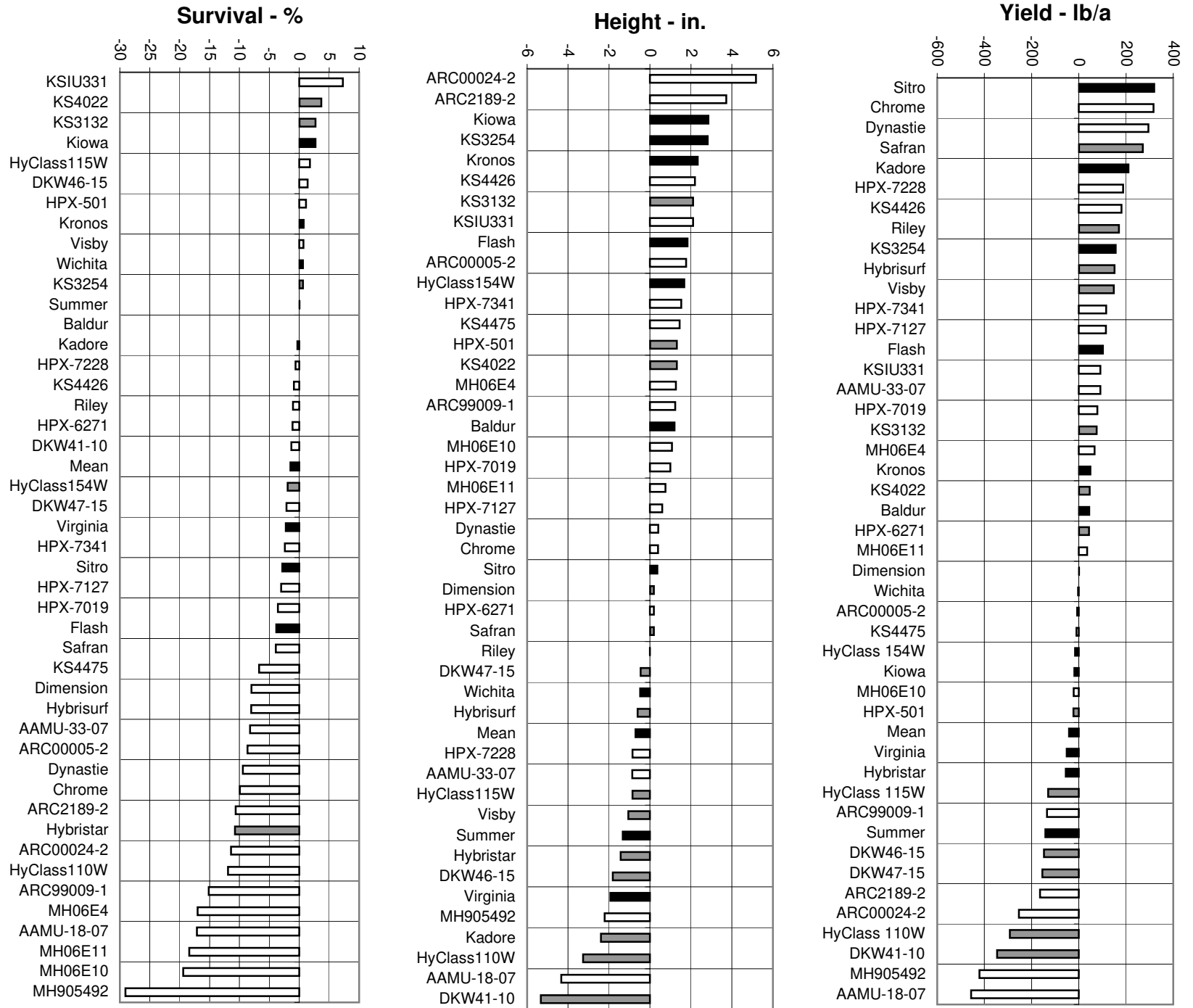
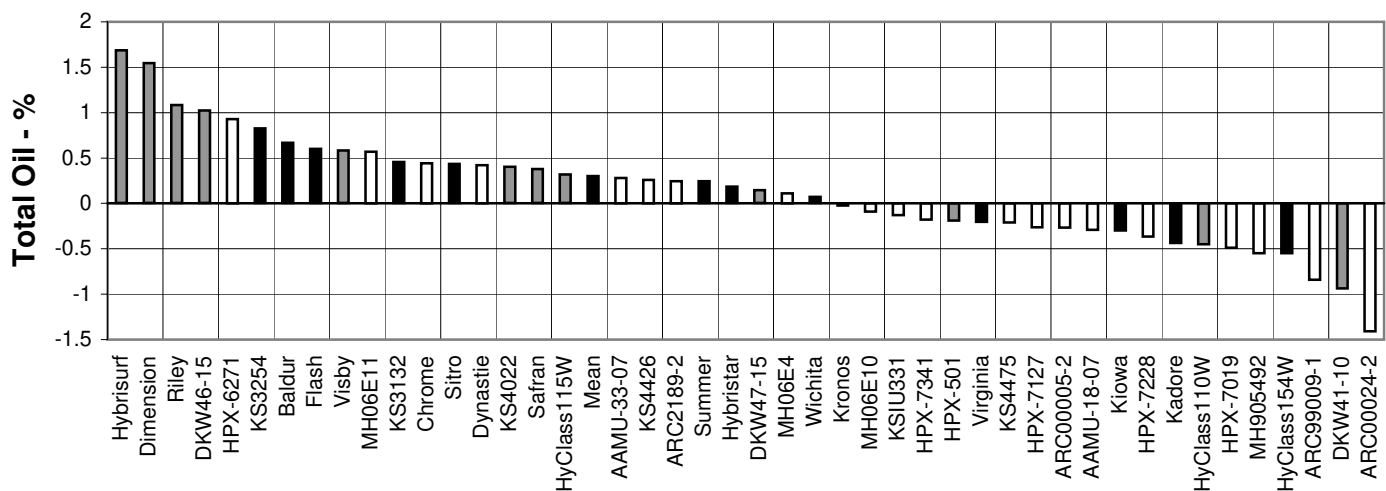
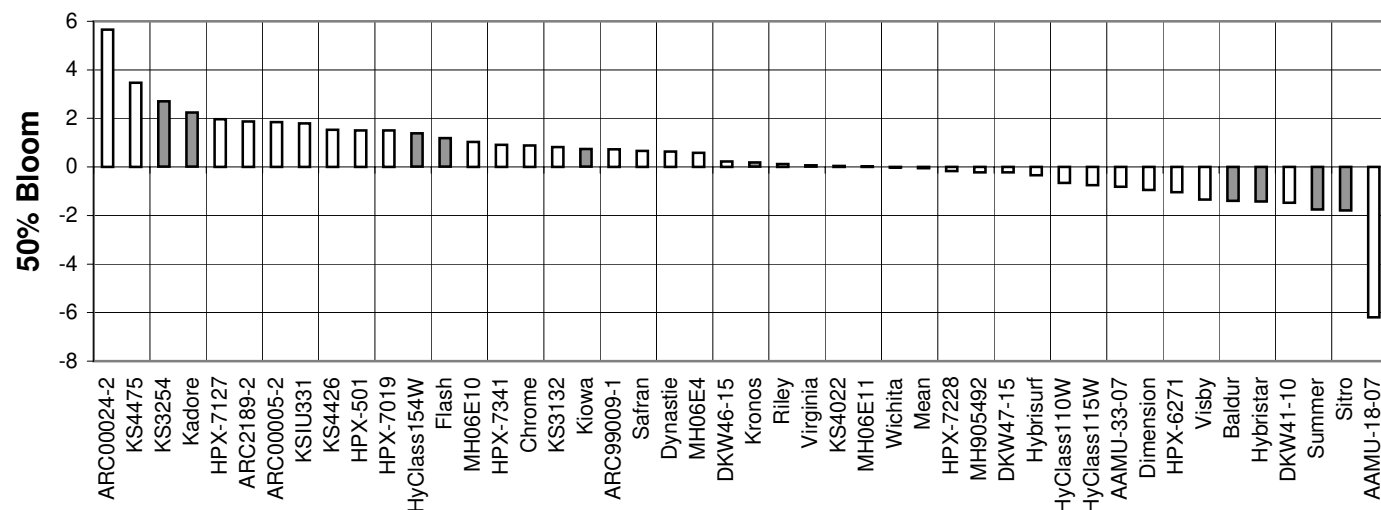


Figure 3. Great Plains Winter Canola Summary, 2005-2010.





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).

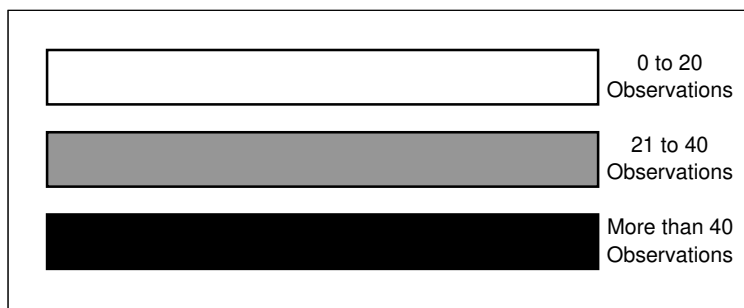


Figure 3. Great Plains Winter Canola Summary, 2005-2010 (continued).

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

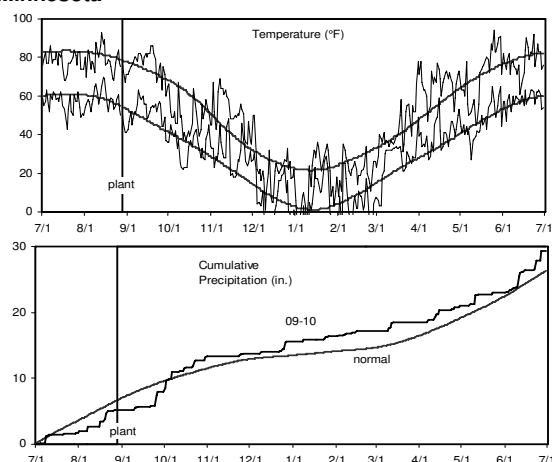


Table 33. Results for the 2010 National Winter Canola Variety Trial at Lamberton, MN

| Name                                | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant |              | Test         |                |             |
|-------------------------------------|--------------|------|-------|------------------------|---------------------|------|------|-------|--------------|--------------|----------------|-------------|
|                                     | 2010         | 2009 | 2-Yr. |                        | 2010                | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) |
| <b>Alabama A&amp;M University</b>   |              |      |       |                        |                     |      |      |       |              |              |                |             |
| AAMU-18-07                          | 1256         | ---  | ---   | 91                     | ---                 | ---  | ---  | ---   | ---          | ---          | 24.3           | 42.7        |
| AAMU-33-07                          | 1540         | ---  | ---   | 112                    | ---                 | ---  | ---  | ---   | ---          | ---          | 24.9           | 42.2        |
| <b>Croplan Genetics</b>             |              |      |       |                        |                     |      |      |       |              |              |                |             |
| HyClass110W                         | 899          | ---  | ---   | 65                     | ---                 | ---  | ---  | ---   | ---          | ---          | 27.7           | 40.5        |
| HyClass115W                         | 1070         | ---  | ---   | 78                     | ---                 | ---  | ---  | ---   | ---          | ---          | 26.7           | 39.8        |
| HyClass154W                         | 915          | ---  | ---   | 66                     | ---                 | ---  | ---  | ---   | ---          | ---          | 26.5           | 37.0        |
| <b>DEKALB</b>                       |              |      |       |                        |                     |      |      |       |              |              |                |             |
| DKW41-10                            | 1288         | ---  | ---   | 93                     | ---                 | ---  | ---  | ---   | ---          | ---          | 27.9           | 39.5        |
| DKW46-15                            | 1097         | ---  | ---   | 80                     | ---                 | ---  | ---  | ---   | ---          | ---          | 24.8           | 42.3        |
| DKW47-15                            | 1122         | ---  | ---   | 81                     | ---                 | ---  | ---  | ---   | ---          | ---          | 26.9           | 39.0        |
| <b>DL Seeds Inc.</b>                |              |      |       |                        |                     |      |      |       |              |              |                |             |
| 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        |
| <b>High Plains Crop Development</b> |              |      |       |                        |                     |      |      |       |              |              |                |             |
| 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        |
| <b>Kansas State University</b>      |              |      |       |                        |                     |      |      |       |              |              |                |             |
| 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        |
| <b>MOMONT</b>                       |              |      |       |                        |                     |      |      |       |              |              |                |             |
| 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**

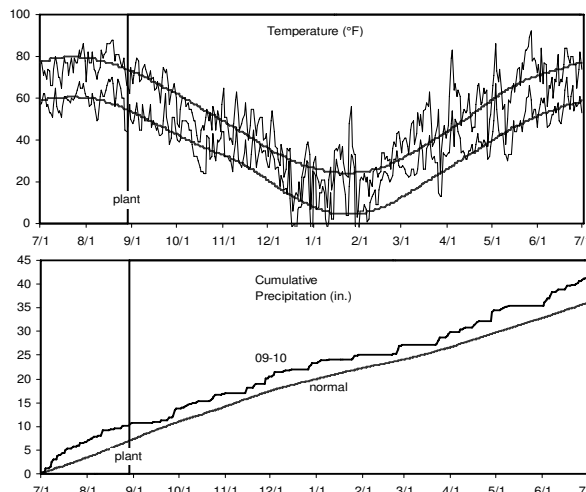
| Name                             | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant Height (in.) | Moisture (%) | Test  |                |             |
|----------------------------------|--------------|------|-------|------------------------|---------------------|------|------|--------------------|-------------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

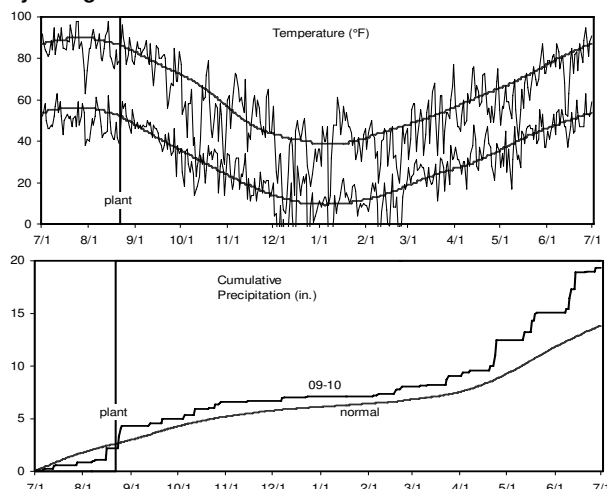
| Name                             | Yield (lb/a) |      |       | Yield (% of test avg.) | Winter Survival (%) |      |      | Plant |              | Test         |                |             |
|----------------------------------|--------------|------|-------|------------------------|---------------------|------|------|-------|--------------|--------------|----------------|-------------|
|                                  | 2010         | 2009 | 2-Yr. |                        | 2010                | 2010 | 2009 | 2-Yr. | Height (in.) | Moisture (%) | Weight (lb/bu) | Protein (%) |
| <b>DL Seeds Inc.</b>             |              |      |       |                        |                     |      |      |       |              |              |                |             |
| 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         | ---          | ---            | <b>26.1</b> |
| <b>Kansas State University</b>   |              |      |       |                        |                     |      |      |       |              |              |                |             |
| Kiowa                            | 3057         | ---  | ---   | 97                     | ---                 | ---  | ---  | ---   | 10.5         | ---          | ---            | <b>24.5</b> |
| KS3132                           | 2717         | ---  | ---   | 87                     | ---                 | ---  | ---  | ---   | 9.8          | ---          | ---            | <b>27.8</b> |
| KS3254                           | 2658         | ---  | ---   | 85                     | ---                 | ---  | ---  | ---   | 9.8          | ---          | ---            | <b>26.1</b> |
| KS4022                           | 3108         | ---  | ---   | 99                     | ---                 | ---  | ---  | ---   | 9.8          | ---          | ---            | <b>25.4</b> |
| KS4426                           | 3388         | ---  | ---   | 108                    | ---                 | ---  | ---  | ---   | 10.4         | ---          | ---            | <b>24.2</b> |
| KS4475                           | 3014         | ---  | ---   | 96                     | ---                 | ---  | ---  | ---   | 10.7         | ---          | ---            | <b>27.3</b> |
| Riley                            | 4029         | ---  | ---   | 128                    | ---                 | ---  | ---  | ---   | 10.0         | ---          | ---            | 23.0        |
| Sumner                           | 2933         | ---  | ---   | 93                     | ---                 | ---  | ---  | ---   | 11.8         | ---          | ---            | <b>29.6</b> |
| Wichita                          | 3405         | ---  | ---   | 109                    | ---                 | ---  | ---  | ---   | 10.0         | ---          | ---            | <b>28.5</b> |
| <b>MOMONT</b>                    |              |      |       |                        |                     |      |      |       |              |              |                |             |
| Kadore                           | 3070         | ---  | ---   | 98                     | ---                 | ---  | ---  | ---   | 9.0          | ---          | ---            | <b>27.8</b> |
| <b>Virginia State University</b> |              |      |       |                        |                     |      |      |       |              |              |                |             |
| Virginia                         | 3016         | ---  | ---   | 96                     | ---                 | ---  | ---  | ---   | 10.5         | ---          | ---            | 23.2        |
| <b>Mean</b>                      | 3137         | ---  | ---   | ---                    | ---                 | ---  | ---  | ---   | 10.6         | ---          | ---            | 25.0        |
| <b>LSD (0.10)</b>                | NS           | ---  | ---   | ---                    | ---                 | ---  | ---  | ---   | NS           | ---          | ---            | 5.7         |

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

### Torrington, Wyoming

Charlie Rife  
High Plains Crop Development

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



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

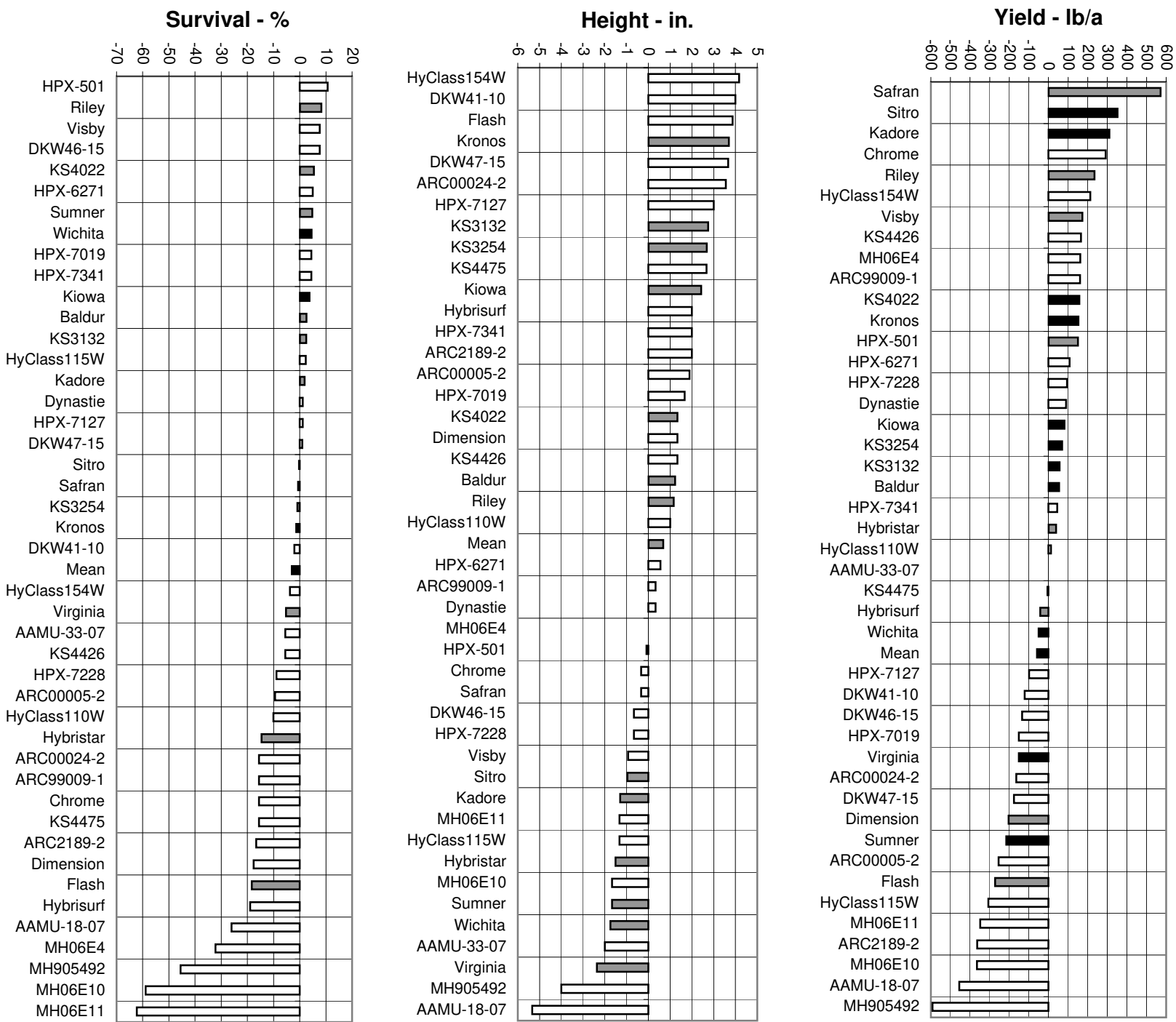
| Name                                | Yield (lb/a) |             |       | Yield (% of test avg.) | Winter Survival (%) |      |       | Plant Height (in.) | Moisture (%) | Test           |             |             |
|-------------------------------------|--------------|-------------|-------|------------------------|---------------------|------|-------|--------------------|--------------|----------------|-------------|-------------|
|                                     | 2010         | 2009        | 2-Yr. |                        | 2010                | 2009 | 2-Yr. |                    |              | Weight (lb/bu) | Protein (%) | Oil (%)     |
| <b>Alabama A&amp;M University</b>   |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| AAMU-18-07                          | 1847         | 1225        | 1536  | 84                     | 67                  | 33   | 50    | 33                 | 6.1          | ---            | 28.5        | 39.1        |
| AAMU-33-07                          | <b>2566</b>  | 2384        | 2475  | 117                    | 90                  | 70   | 80    | 36                 | 5.8          | ---            | 27.2        | <b>40.6</b> |
| <b>DL Seeds Inc.</b>                |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| Baldur                              | 2178         | 2625        | 2401  | 99                     | 93                  | 87   | 90    | 39                 | 6.0          | ---            | 25.3        | 40.4        |
| Dimension                           | <b>2473</b>  | 2343        | 2408  | 113                    | 70                  | 70   | 70    | 37                 | 3.8          | ---            | 25.4        | <b>42.1</b> |
| Dynastie                            | <b>2502</b>  | ---         | ---   | 114                    | 97                  | ---  | ---   | 37                 | 6.1          | ---            | 23.5        | <b>42.6</b> |
| Flash                               | 1914         | 1976        | 1945  | 87                     | 67                  | 50   | 58    | 38                 | 6.4          | ---            | 26.4        | 40.1        |
| Kronos                              | <b>2260</b>  | 3086        | 2673  | 103                    | 87                  | 88   | 87    | 39                 | 6.1          | ---            | 26.4        | 38.6        |
| Safran                              | <b>2750</b>  | <b>3305</b> | 3028  | 125                    | 97                  | 80   | 88    | 36                 | 6.1          | ---            | 25.7        | <b>40.9</b> |
| Sitro                               | <b>2587</b>  | 2712        | 2650  | 118                    | 87                  | 65   | 76    | 38                 | 6.1          | ---            | 25.9        | <b>41.0</b> |
| Visby                               | <b>2507</b>  | <b>3227</b> | 2867  | 114                    | 97                  | 92   | 94    | 39                 | 5.9          | ---            | 25.5        | <b>40.8</b> |
| <b>High Plains Crop Development</b> |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| HPX-501                             | <b>2436</b>  | 3131        | 2784  | 111                    | 97                  | 93   | 95    | 39                 | 6.0          | ---            | 28.3        | 39.8        |
| HPX-6271                            | <b>2296</b>  | 2941        | 2619  | 105                    | 97                  | 92   | 94    | 38                 | 6.0          | ---            | 26.6        | <b>41.6</b> |
| HPX-7019                            | 1984         | ---         | ---   | 91                     | 100                 | ---  | ---   | 39                 | 6.0          | ---            | 27.1        | <b>40.8</b> |
| HPX-7127                            | 1979         | ---         | ---   | 90                     | 97                  | ---  | ---   | 40                 | 4.1          | ---            | 26.7        | <b>40.6</b> |
| HPX-7228                            | <b>2557</b>  | ---         | ---   | 117                    | 87                  | ---  | ---   | 36                 | 6.0          | ---            | 25.1        | <b>41.7</b> |
| HPX-7341                            | <b>2746</b>  | ---         | ---   | 125                    | 100                 | ---  | ---   | 39                 | 5.8          | ---            | 27.0        | <b>41.1</b> |
| <b>Kansas State University</b>      |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| Kiowa                               | <b>2341</b>  | 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                              | <b>2646</b>  | ---         | ---   | 121                    | 90                  | ---  | ---   | 38                 | 6.0          | ---            | 26.4        | <b>42.2</b> |
| KS4475                              | <b>2515</b>  | ---         | ---   | 115                    | 80                  | ---  | ---   | 40                 | 3.8          | ---            | 28.1        | 40.0        |
| Riley                               | <b>2457</b>  | 3061        | 2759  | 112                    | 100                 | ---  | ---   | 41                 | 5.9          | ---            | 25.5        | <b>41.3</b> |
| Sumner                              | <b>2571</b>  | 2616        | 2593  | 117                    | 97                  | 90   | 93    | 36                 | 6.1          | ---            | 27.3        | <b>41.5</b> |
| Wichita                             | 2201         | 3174        | 2688  | 100                    | 97                  | 90   | 93    | 36                 | 6.1          | ---            | 27.9        | 40.0        |
| <b>MOMONT</b>                       |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| Chrome                              | <b>2558</b>  | ---         | ---   | 117                    | 80                  | ---  | ---   | 37                 | 5.9          | ---            | 26.2        | <b>40.8</b> |
| 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         | <b>3833</b> | 2835  | 84                     | 67                  | 85   | 76    | 37                 | 6.0          | ---            | 25.6        | <b>41.3</b> |
| 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        |
| <b>University of Arkansas</b>       |              |             |       |                        |                     |      |       |                    |              |                |             |             |
| 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        | <b>40.9</b> |
| ARC99009-1                          | <b>2305</b>  | ---         | ---   | 105                    | 80                  | ---  | ---   | 37                 | 6.0          | ---            | 28.0        | 39.2        |

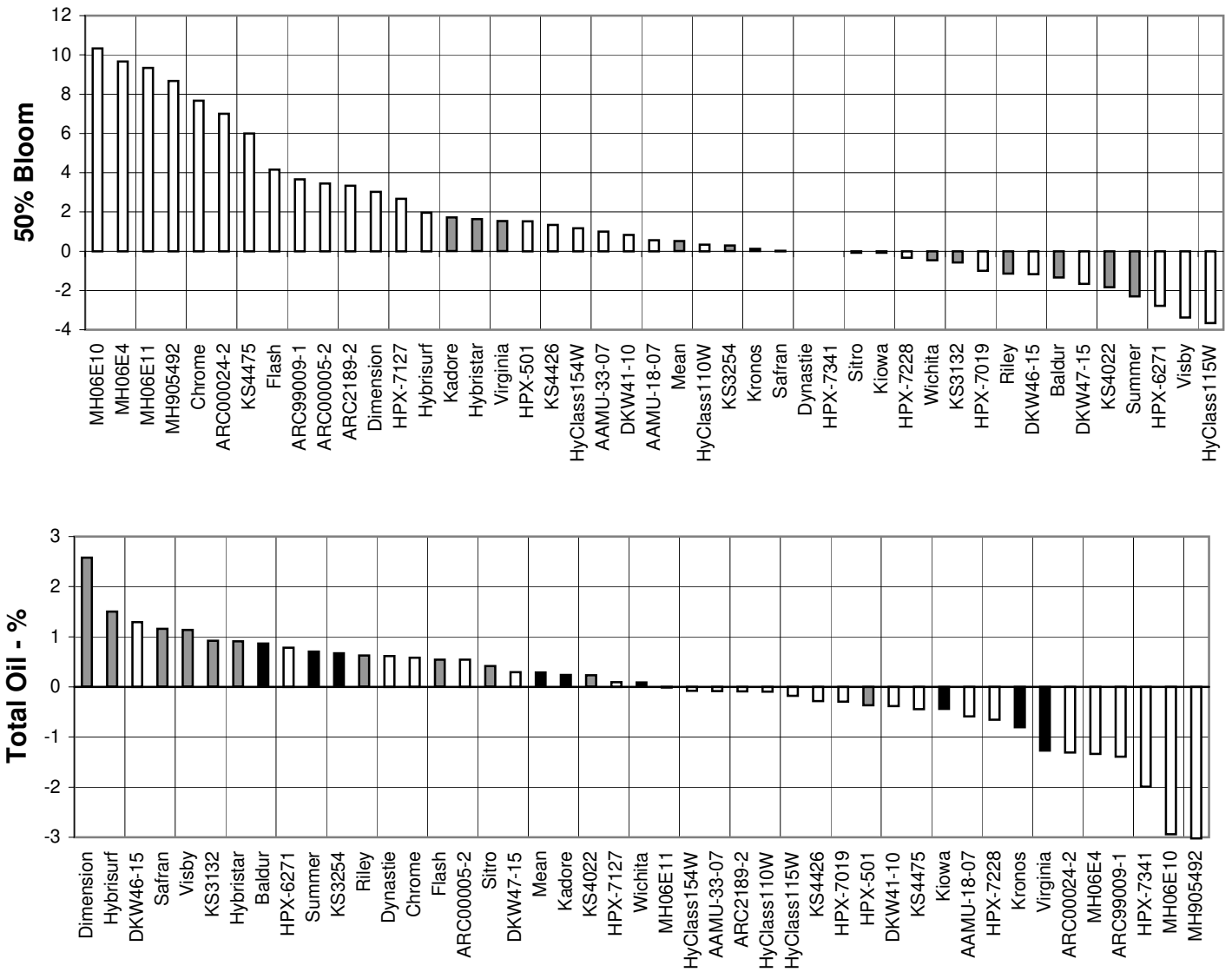
**Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY**

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

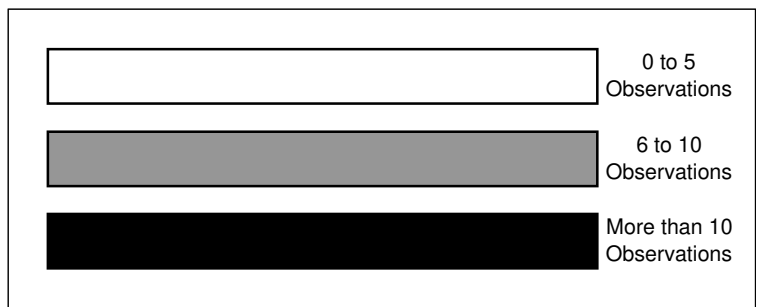


Figure 4. Northern Winter Canola Summary, 2005-2010 (continued).



**Table 36. Field Ratings for Resistance to Phoma Blackleg<sup>1</sup>**  
**National Winter Canola Variety Trial — Plains, GA**

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

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

<sup>1</sup> 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.

<sup>2</sup> 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.

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



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