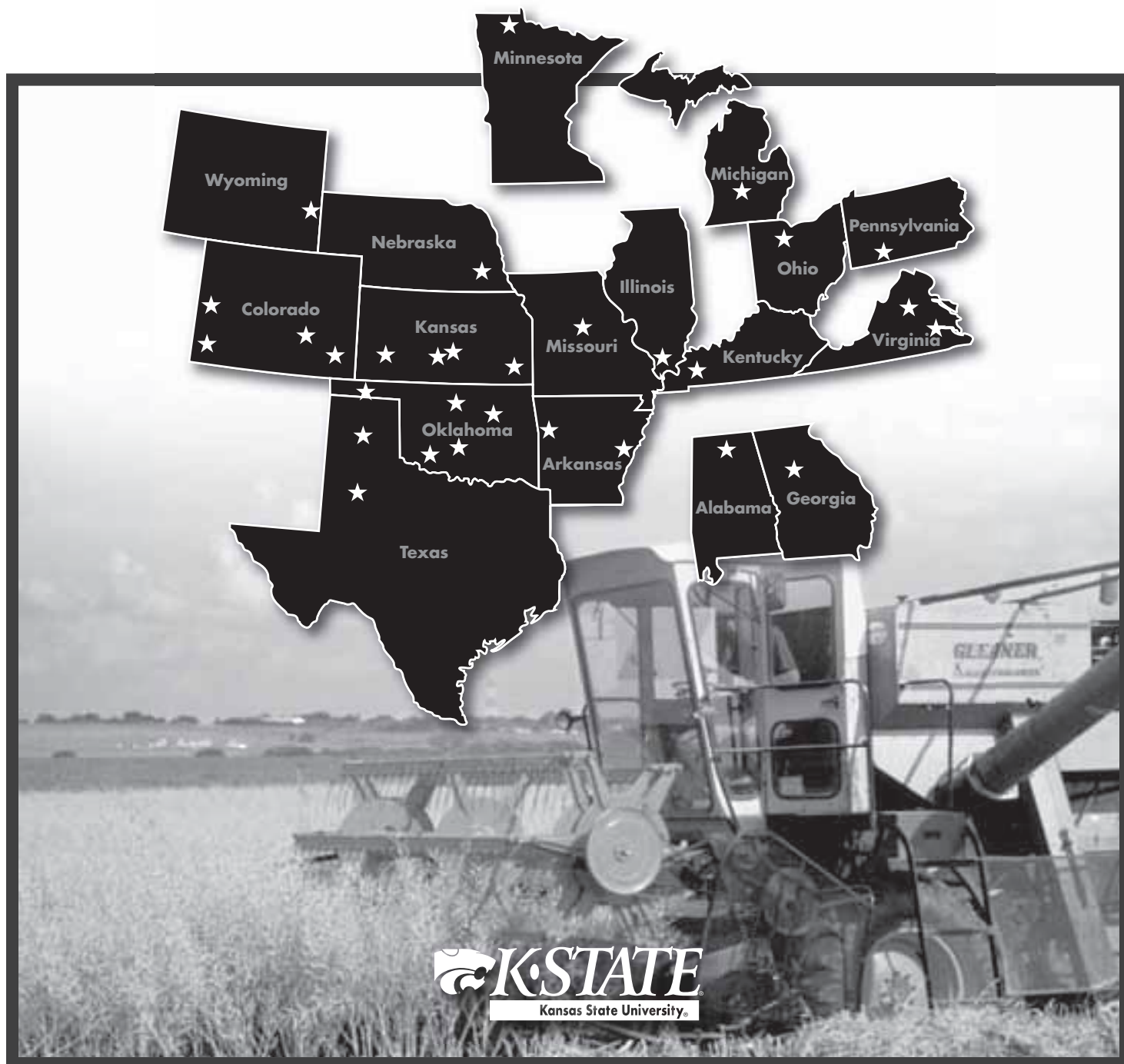


2007 National Winter Canola Variety Trial



Report of Progress 990

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

2007 National Winter Canola Variety Trial Table of Contents

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2007 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. Subsequent wheat crops have shown a 10% or greater increase in yield following canola. Canola is a broadleaf crop, allowing use of more effective herbicides to control grassy winter annual weeds. Canola and wheat have no major diseases in common, so growing canola breaks weed and disease cycles. Because canola is an oilseed, its commodity price is not tied to those 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 germplasm over a wide range of environments, determine where released varieties and experimental lines are best adapted, and increase visibility of winter canola across the nation. Information obtained from these trials aids producers with variety selection. Over the years, this trial has increased in terms of number of environments and entries and is planted at locations in the Great Plains, Midwest, Northern Plains, and Southeast. The wide diversity of environments has improved our knowledge and understanding of winter canola germplasm performance.

Procedures

The NWCVT was distributed to 53 locations in 23 states during the 2006-2007 growing season. The trial included 21 hybrids, 20 released varieties, and 16 experimental lines from 10 participating breeding programs. All entries in the trial were treated with either Helix Xtra or Prosper 400 to control insects and diseases during winter months. Two new seed companies participated in the trial: Momont

(seed provided by Miles Enterprises) and Pioneer Hi-Bred International, Inc.

Management guidelines were supplied to each cooperator, but previous experience in the regions influenced final management decisions. Agronomic information, site descriptions, and growing conditions are described for each location. All trials were planted in small research plots (approximately 100 ft²) and replicated three times. The University of Idaho Brassica Research Program in Moscow, ID performed total oil analyses. Results for yield and winter survival at some locations include two-year summaries. Entries are listed highest to lowest by either yield or winter survival percentage. This trial was continued in 2007-2008 and includes 60 entries. Ten breeding programs contributed to the trial, and distribution included 63 locations in 26 states.

2006-2007 Growing Conditions

Temperature and precipitation data are plotted 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 “06-07” represents actual precipitation.

In general, the 2006-2007 growing season was successful, considering the variability in weather conditions across the United States. Plants established well at locations that were affected by longstanding drought. Most locations had excellent stands and adequate growth before winter. Where winter conditions were more severe, differential winterkill was observed. Despite colder temperatures, winter survival was excellent at most locations,

indicating that entries had improved survival. A hard spring freeze in April inflicted moderate to severe damage to flowering plants in the central Great Plains, Midwest, and Southeast. The majority of locations moderately affected by the freeze were able to recover and produce a respectable yield, but production in locations experiencing severe damage was lost completely. Later maturing entries survived the freeze better than early maturing entries. Over the years, winter canola has shown a tremendous capacity to recover following rare weather phenomena. Extremely high seed yields were achieved in top-yielding environments where moisture was not limiting.

Test Locations

Of the trials distributed in 2006-2007, nine locations were lost to winterkill, four to freeze damage, four to poor establishment, and two to severe weather. Twenty-seven locations in 16 states were harvested: Normal, AL; Kibler and Marianna, AR; Fruita, Walsh, and Yellow Jacket, CO; Griffin, GA; Carbondale, IL; Garden City, Hesston, Hutchinson, and Parsons, KS; Russellville, KY; East Lansing, MI; Roseau, MN; Columbia, MO; Fremont, OH; Chickasha, Goodwell, Lahoma, Perkins, and Tipton, OK; Rock Springs, PA; Amarillo, TX; Orange and Petersburg, VA; and Torrington, WY. Three locations, Rocky Ford, CO; Lincoln, NE; and Lubbock, TX were included because differential winterkill occurred. Six new cooperators are participating in the 2007-2008 variety trial: Iowa State University, University of Maryland, University of Tennessee, Utah State University, Washington State University, and Western Illinois University.

Results

A new calculation included in this year's results is the percentage of test average yield. This relative yield calculation allows for some comparison of performance across environments. Entries yielding more than 100%

of the test average across multiple locations merit some consideration. The 3-year-average calculations for yield and winter survival were dropped. Also new this year is information including cultivar availability in the United States, specialty traits, and transgenic traits.

Overall yields were higher than in 2005-2006 and generally above average in the Great Plains. Nine of 27 harvested locations included at least one line with yields greater than 3,000 lbs per acre. 'Kadore' and KS3254 showed great potential for recovery after a late freeze at bloom. KS9135 continues to perform consistently across multiple regions.

Winter hardiness is an important trait to consider when selecting a winter canola cultivar. This trait has been improved over the past several years, but variability still exists where differential winterkill occurs. Several experimental lines averaged higher winter survival than check cultivars in the Great Plains, showing good potential for improvement of this trait. Winter canola cultivars should have consistent survival across multiple environments before being considered for commercial release. Winter canola varieties and hybrids under evaluation are resistant to the blackleg fungus (Table 31).

Acknowledgments

This work was funded in part by the National Canola Research Program, United States Department of Agriculture, Cooperative States Research, Education, and Extension Program, the Oklahoma Agricultural Experiment Station, and the Kansas Agricultural Experiment Station. Assistant Scientist Cynthia La Barge and student workers John Bergin, Lindsay Van Allen, and Amy Walton assisted with planting, care, harvest, and data preparation for these tests. Sincere appreciation is extended to all participating researchers who have a dedicated interest in expanding winter canola production across the United States.

Normal, Alabama

Ernst Ceibert, Alabama A&M University

Planted:
Harvested:
Herbicides:
Insecticides:
Irrigation:
Fertility:

Soil Type: Decatur silty clay loam
Elevation: 624 ft Latitude: 34°35N
Comments: Three consecutive days of freezing temperatures in April followed by extreme drought conditions.

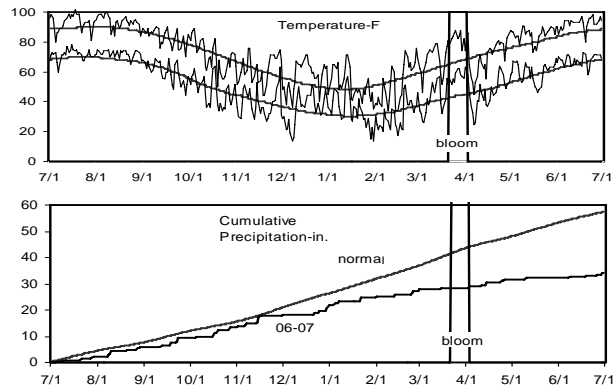


Table 1. Results from the 2007 National Winter Canola Variety Trial at Normal, AL

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (%) | Plant Ht (in.) | Lodging (%) | Shatter (%) | Maturity (d) | Moisture (%) | Total Oil (%) |
|-------------|---------------|------|------------|---------------------|------|------|------------|----------------|----------------|-------------|-------------|--------------|--------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | | | | | | | |
| KS9135 | 2285 | --- | --- | 191 | --- | --- | --- | 93 | 52 | 1.7 | 1.7 | 167 | 8.0 | 39.9 |
| Kadore | 2276 | --- | --- | 191 | --- | --- | --- | 92 | 33 | 0.0 | 3.3 | 163 | 8.0 | 39.8 |
| KS3077 | 2014 | --- | --- | 169 | --- | --- | --- | 91 | 48 | 0.0 | 0.7 | 164 | 8.1 | 39.3 |
| KS3074 | 1893 | --- | --- | 159 | --- | --- | --- | 93 | 43 | 0.0 | 0.0 | 165 | 7.9 | 38.6 |
| Kalif | 1868 | --- | --- | 156 | --- | --- | --- | 98 | 41 | 1.7 | 0.0 | 165 | 7.8 | 39.3 |
| KS3254 | 1853 | --- | --- | 155 | --- | --- | --- | 90 | 43 | 0.0 | 0.0 | 167 | 8.1 | 40.1 |
| KS4085 | 1729 | --- | --- | 145 | --- | --- | --- | 92 | 55 | 8.3 | 1.7 | 168 | 8.0 | 38.0 |
| Plainsman | 1695 | --- | --- | 142 | --- | --- | --- | 87 | 48 | 0.0 | 0.0 | 168 | 7.9 | 37.7 |
| KS3132 | 1656 | --- | --- | 139 | --- | --- | --- | 98 | 45 | 1.7 | 5.0 | 166 | 8.1 | 39.8 |
| Wichita | 1535 | --- | --- | 129 | --- | --- | --- | 90 | 39 | 0.0 | 1.0 | 163 | 7.9 | 38.3 |
| Kronos | 1449 | --- | --- | 121 | --- | --- | --- | 91 | 51 | 0.0 | 3.3 | 167 | 8.0 | 39.1 |
| DSV06202 | 1434 | --- | --- | 120 | --- | --- | --- | 96 | 48 | 0.0 | 1.7 | 165 | 8.1 | 39.9 |
| Ovation | 1407 | --- | --- | 118 | --- | --- | --- | 94 | 40 | 0.0 | 0.0 | 164 | 7.9 | 38.4 |
| ARC97019 | 1398 | --- | --- | 117 | --- | --- | --- | 83 | 45 | 1.7 | 0.0 | 165 | 8.1 | 40.5 |
| KS7436 | 1386 | --- | --- | 116 | --- | --- | --- | 99 | 43 | 0.0 | 0.0 | 164 | 8.0 | 40.2 |
| KS4022 | 1381 | --- | --- | 116 | --- | --- | --- | 93 | 39 | 0.0 | 0.0 | 166 | 8.2 | 37.3 |
| MH 604001 | 1334 | --- | --- | 112 | --- | --- | --- | 95 | 39 | 0.0 | 0.0 | 163 | 8.1 | 39.6 |
| ARC98007 | 1298 | --- | --- | 109 | --- | --- | --- | 96 | 53 | 6.7 | 3.3 | 158 | 8.0 | 38.5 |
| SLM0402 | 1288 | --- | --- | 108 | --- | --- | --- | 94 | 45 | 0.0 | 1.7 | 166 | 8.1 | 40.4 |
| KS3018 | 1275 | --- | --- | 107 | --- | --- | --- | 90 | 41 | 3.3 | 1.7 | 163 | 8.1 | 38.2 |
| Ceres | 1248 | --- | --- | 104 | --- | --- | --- | 98 | 37 | 0.0 | 0.0 | 161 | 8.1 | 38.7 |
| Flash | 1244 | --- | --- | 104 | --- | --- | --- | 93 | 46 | 0.0 | 0.0 | 165 | 8.2 | 40.5 |
| Satori | 1242 | --- | --- | 104 | --- | --- | --- | 88 | 39 | 15.0 | 0.0 | 164 | 7.8 | 39.2 |
| KS3302 | 1238 | --- | --- | 104 | --- | --- | --- | 93 | 46 | 0.0 | 0.0 | 167 | 8.0 | 39.5 |
| NPZ0391RR | 1223 | --- | --- | 102 | --- | --- | --- | 85 | 35 | 0.0 | 0.0 | 168 | 8.0 | 39.7 |
| NPZ0404 | 1188 | --- | --- | 100 | --- | --- | --- | 96 | 45 | 0.0 | 3.3 | 165 | 8.1 | 39.4 |
| SW Falstaff | 1188 | --- | --- | 100 | --- | --- | --- | 98 | 33 | 1.7 | 0.0 | 166 | 7.9 | 39.6 |
| ARC97018 | 1185 | --- | --- | 99 | --- | --- | --- | 92 | 52 | 3.3 | 1.7 | 164 | 8.1 | 39.3 |
| Rally | 1142 | --- | --- | 96 | --- | --- | --- | 96 | 38 | 0.0 | 0.0 | 165 | 8.2 | 38.5 |
| Sitro | 1136 | --- | --- | 95 | --- | --- | --- | 96 | 43 | 0.0 | 0.0 | 166 | 8.1 | 40.3 |
| Baldur | 1066 | --- | --- | 89 | --- | --- | --- | 93 | 46 | 0.0 | 3.3 | 166 | 8.2 | 38.5 |
| Hornet | 1061 | --- | --- | 89 | --- | --- | --- | 98 | 50 | 8.3 | 0.0 | 165 | 8.0 | 37.9 |
| ARC98015 | 992 | --- | --- | 83 | --- | --- | --- | 90 | 50 | 0.0 | 6.7 | 167 | 8.2 | 38.1 |
| DSV06201 | 972 | --- | --- | 81 | --- | --- | --- | 97 | 41 | 1.7 | 0.0 | 166 | 8.0 | 40.6 |
| Jetton | 947 | --- | --- | 79 | --- | --- | --- | 90 | 37 | 0.0 | 1.7 | 164 | 8.1 | 39.6 |
| SW Gospel | 915 | --- | --- | 77 | --- | --- | --- | 97 | 43 | 0.0 | 0.0 | 167 | 8.0 | 39.8 |
| TCI.06.M1 | 913 | --- | --- | 76 | --- | --- | --- | 96 | 43 | 0.0 | 0.0 | 166 | 8.1 | 39.4 |
| Rasmus | 867 | --- | --- | 73 | --- | --- | --- | 91 | 44 | 5.0 | 3.3 | 165 | 8.1 | 38.3 |
| TCI.06.M2 | 856 | --- | --- | 72 | --- | --- | --- | 96 | 45 | 0.0 | 0.0 | 163 | 7.7 | 39.4 |
| Sumner | 825 | --- | --- | 69 | --- | --- | --- | 87 | 36 | 0.0 | 0.0 | 165 | 8.1 | 39.0 |

Table 1. Results from the 2007 National Winter Canola Variety Trial at Normal, AL

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | Plant Ht | Lodging | Shattering | Maturity | Moisture | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-------|------------|----------|---------|------------|----------|----------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (%) | (in.) | (%) | (%) | (d) | (%) | (%) | | |
| Taurus | 805 | --- | --- | 67 | --- | --- | --- | 99 | 43 | 0.0 | 0.0 | 164 | 8.0 | 39.0 | | |
| Trabant | 797 | --- | --- | 67 | --- | --- | --- | 99 | 45 | 15.0 | 3.3 | 166 | 8.2 | 39.0 | | |
| ARC2180-1 | 787 | --- | --- | 66 | --- | --- | --- | 83 | 44 | 1.7 | 6.7 | 161 | 8.0 | 39.1 | | |
| Abilene | 759 | --- | --- | 64 | --- | --- | --- | 83 | 43 | 6.7 | 3.3 | 163 | 8.1 | 38.7 | | |
| Viking | 748 | --- | --- | 63 | --- | --- | --- | 93 | 33 | 0.0 | 0.0 | 156 | 8.2 | 39.2 | | |
| Hybristar | 698 | --- | --- | 58 | --- | --- | --- | 99 | 47 | 3.3 | 0.0 | 166 | 8.1 | 39.5 | | |
| NPZ0591RR | 617 | --- | --- | 52 | --- | --- | --- | 99 | 39 | 0.0 | 3.3 | 165 | 8.1 | 38.6 | | |
| Virginia | 611 | --- | --- | 51 | --- | --- | --- | 89 | 39 | 8.3 | 0.0 | 165 | 8.1 | 41.3 | | |
| TCI.06.M4 | 478 | --- | --- | 40 | --- | --- | --- | 96 | 45 | 0.0 | 0.0 | 167 | 8.0 | 39.5 | | |
| TCI.06.M3 | 366 | --- | --- | 31 | --- | --- | --- | 80 | 35 | 0.0 | 0.0 | 165 | 8.2 | 42.2 | | |
| Baros | 334 | --- | --- | 28 | --- | --- | --- | 92 | 41 | 6.7 | 0.0 | 165 | 8.3 | 39.5 | | |
| Mean | 1194 | --- | --- | 100 | --- | --- | --- | 93 | 43 | 2.0 | 1.2 | 165 | 8.0 | 39.3 | | |
| CV (%) | 24 | --- | --- | 24 | --- | --- | --- | 6 | 12 | 331 | 256 | 2 | 1.7 | 2.4 | | |
| LSD (0.05) | 459 | --- | --- | 9 | --- | --- | --- | 9 | 9 | NS | NS | 4 | 0.2 | 1.9 | | |

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

Kibler, Arkansas

Robert Bacon & Jim Kelly, University of Arkansas

Planted: 10/03/2006 at 7 lbs/a in 7-in. rows

Harvested: 6/11/2007

Herbicides: Treflan 4 oz/a

Insecticides:

Irrigation:

Fertility: 120-0-0-24 lbs. N-P-K-S fertilizer in Spring

Soil Type: Roxana clay loam

Elevation: 392 ft Latitude: 35°23N

Comments: On April 6-7, temperatures were well below freezing for several hours.

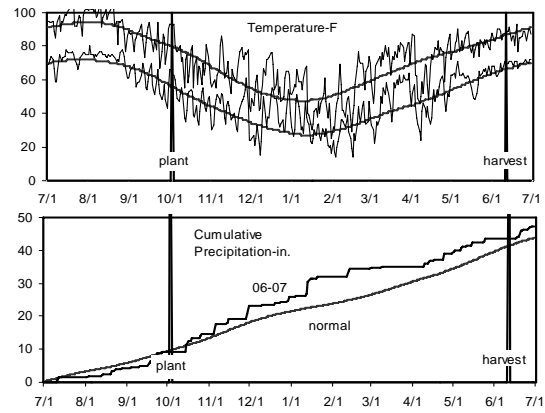


Table 2. Results from the 2007 National Winter Canola Variety Trial at Kibler, AR

| Name | Yield (lbs/a) | | | Yield % of test avg | Winter Survival (%) | | | Fall Stand | Plant Ht | Logg ing | Shat ter | Moist ure | Test Weight | Total Oil |
|-----------|---------------|------|-------|---------------------|---------------------|------|-------|------------|----------|----------|----------|-----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) |
| Kadore | 3080 | --- | --- | 157 | --- | --- | --- | --- | --- | --- | --- | --- | 48.2 | 33.4 |
| KS3254 | 2863 | --- | --- | 146 | --- | --- | --- | --- | --- | --- | --- | --- | 48.8 | 35.3 |
| KS3132 | 2761 | --- | --- | 141 | --- | --- | --- | --- | --- | --- | --- | --- | 47.3 | 33.7 |
| NPZ0404 | 2750 | --- | --- | 140 | --- | --- | --- | --- | --- | --- | --- | --- | 45.4 | 35.1 |
| ARC2180-1 | 2635 | --- | --- | 134 | --- | --- | --- | --- | --- | --- | --- | --- | 46.4 | 33.2 |
| KS7436 | 2624 | --- | --- | 134 | --- | --- | --- | --- | --- | --- | --- | --- | 48.5 | 34.7 |
| MH 604001 | 2603 | --- | --- | 133 | --- | --- | --- | --- | --- | --- | --- | --- | 46.1 | 35.1 |
| ARC97018 | 2602 | --- | --- | 133 | --- | --- | --- | --- | --- | --- | --- | --- | 48.0 | 33.8 |
| NPZ0591RR | 2562 | --- | --- | 131 | --- | --- | --- | --- | --- | --- | --- | --- | 49.0 | 33.8 |
| ARC98007 | 2454 | --- | --- | 125 | --- | --- | --- | --- | --- | --- | --- | --- | 48.1 | 34.7 |
| ARC97019 | 2407 | --- | --- | 123 | --- | --- | --- | --- | --- | --- | --- | --- | 47.0 | 33.4 |
| Ceres | 2373 | --- | --- | 121 | --- | --- | --- | --- | --- | --- | --- | --- | 47.6 | 32.8 |
| Jetton | 2351 | --- | --- | 120 | --- | --- | --- | --- | --- | --- | --- | --- | 47.2 | 32.7 |
| Hornet | 2284 | --- | --- | 116 | --- | --- | --- | --- | --- | --- | --- | --- | 47.6 | 34.4 |
| Sumner | 2278 | --- | --- | 116 | --- | --- | --- | --- | --- | --- | --- | --- | 49.0 | 33.2 |
| Viking | 2174 | --- | --- | 111 | --- | --- | --- | --- | --- | --- | --- | --- | 46.3 | 33.5 |
| NPZ0391RR | 2161 | --- | --- | 110 | --- | --- | --- | --- | --- | --- | --- | --- | 47.3 | 33.1 |
| KS3074 | 2160 | --- | --- | 110 | --- | --- | --- | --- | --- | --- | --- | --- | 47.9 | 32.8 |
| DKW13-86 | 2132 | --- | --- | 109 | --- | --- | --- | --- | --- | --- | --- | --- | 48.6 | 32.2 |
| Kalif | 2104 | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | 46.6 | 34.0 |
| KS9135 | 2085 | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | 45.9 | 33.2 |
| Trabant | 2080 | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | 47.4 | 34.1 |
| Kronos | 2059 | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | 47.7 | 33.3 |
| Abilene | 2051 | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | 47.2 | 31.7 |
| Plainsman | 2042 | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | 47.7 | 33.2 |
| KS4022 | 2033 | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | 46.8 | 33.5 |
| Baldur | 2031 | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | 47.7 | 34.5 |
| Ovation | 1950 | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | 49.1 | 35.2 |
| SW Gospel | 1908 | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | 47.3 | 34.8 |
| DSV06201 | 1905 | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | 47.0 | 34.1 |
| X01W522C | 1904 | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | 44.2 | 31.3 |
| KS4085 | 1857 | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | 47.2 | 33.8 |
| Taurus | 1851 | --- | --- | 94 | --- | --- | --- | --- | --- | --- | --- | --- | 46.2 | 34.3 |
| ARC98015 | 1825 | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | 46.0 | 33.2 |
| SLM0402 | 1816 | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | 45.4 | 34.4 |
| DSV06202 | 1810 | --- | --- | 92 | --- | --- | --- | --- | --- | --- | --- | --- | 47.9 | 35.0 |
| DKW13-62 | 1776 | --- | --- | 91 | --- | --- | --- | --- | --- | --- | --- | --- | 48.8 | 33.0 |
| KS3018 | 1774 | --- | --- | 90 | --- | --- | --- | --- | --- | --- | --- | --- | 48.7 | 33.6 |
| Wichita | 1755 | --- | --- | 89 | --- | --- | --- | --- | --- | --- | --- | --- | 47.8 | 33.3 |
| TCI.06.M1 | 1748 | --- | --- | 89 | --- | --- | --- | --- | --- | --- | --- | --- | 47.5 | 35.8 |

Table 2. Results from the 2007 National Winter Canola Variety Trial at Kibler, AR

| Name | Yield (lbs/a) | | | Yield % of test avg | Winter Survival (%) | | | Fall Stand | Plant Ht | Lodging | Shattering | Moisture | Test Weight | Total Oil |
|-------------------|---------------|------|-------|---------------------|---------------------|------|-------|------------|----------|---------|------------|----------|-------------|-------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) |
| TCI.06.M4 | 1741 | --- | --- | 89 | --- | --- | --- | --- | --- | --- | --- | --- | 47.6 | 32.3 |
| Satori | 1718 | --- | --- | 88 | --- | --- | --- | --- | --- | --- | --- | --- | 47.5 | 36.1 |
| Rasmus | 1696 | --- | --- | 87 | --- | --- | --- | --- | --- | --- | --- | --- | 47.1 | 32.8 |
| Hybristar | 1664 | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | --- | 47.2 | 33.6 |
| X01W692C | 1641 | --- | --- | 84 | --- | --- | --- | --- | --- | --- | --- | --- | 47.6 | 33.8 |
| Baros | 1614 | --- | --- | 82 | --- | --- | --- | --- | --- | --- | --- | --- | 46.8 | 33.0 |
| KS3302 | 1579 | --- | --- | 81 | --- | --- | --- | --- | --- | --- | --- | --- | 46.5 | 32.0 |
| KS3077 | 1563 | --- | --- | 80 | --- | --- | --- | --- | --- | --- | --- | --- | 46.9 | 32.9 |
| Virginia | 1542 | --- | --- | 79 | --- | --- | --- | --- | --- | --- | --- | --- | 45.3 | 31.3 |
| Sitro | 1430 | --- | --- | 73 | --- | --- | --- | --- | --- | --- | --- | --- | 48.6 | 34.6 |
| Rally | 1425 | --- | --- | 73 | --- | --- | --- | --- | --- | --- | --- | --- | 46.0 | 33.2 |
| Flash | 1392 | --- | --- | 71 | --- | --- | --- | --- | --- | --- | --- | --- | 47.7 | 33.0 |
| SW Falstaff | 1389 | --- | --- | 71 | --- | --- | --- | --- | --- | --- | --- | --- | 47.6 | 35.5 |
| DKW13-69 | 1205 | --- | --- | 61 | --- | --- | --- | --- | --- | --- | --- | --- | 46.2 | 32.9 |
| X02W534C | 1078 | --- | --- | 55 | --- | --- | --- | --- | --- | --- | --- | --- | 47.5 | 31.2 |
| TCI.06.M3 | 1001 | --- | --- | 51 | --- | --- | --- | --- | --- | --- | --- | --- | 43.8 | 30.9 |
| TCI.06.M2 | 476 | --- | --- | 24 | --- | --- | --- | --- | --- | --- | --- | --- | 47.5 | 34.2 |
| Mean | 1961 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | 47.2 | 33.5 |
| CV (%) | 22 | --- | --- | 22 | --- | --- | --- | --- | --- | --- | --- | --- | 3.0 | 2.5 |
| LSD (0.05) | 710 | --- | --- | 36 | --- | --- | --- | --- | --- | --- | --- | --- | 2.9 | 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.

Marianna, Arkansas

Robert Bacon & Jim Kelly, University of Arkansas

Planted: 9/29/2006 at 7 lbs/a in 7-in. rows

Harvested: 6/6/2007

Herbicides: Treflan 4 oz/a

Insecticides: Karate 1.8 oz/a

Irrigation:

Fertility: 120-0-0-24 lbs. N-P-K-S fertilizer in spring

Soil Type: Loring silt loam

Elevation: 234 ft Latitude: 34°45N

Comments: April 6-7 temperatures were well below freezing for several hours.

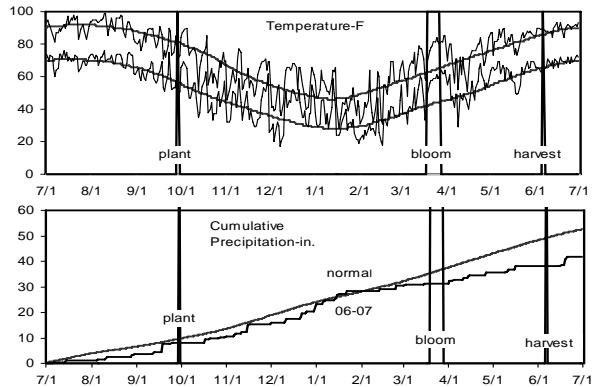


Table 3. Results from the 2007 National Winter Canola Variety Trial at Marianna, AR

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | 50% | 90% | Test Weight (lbs/bu) | Total Oil (%) |
|-----------|---------------|------|------------|---------------------|------|------------|---------------------|------|------------|-----------|--------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | Bloom (d) | Maturity (d) | | |
| Kronos | 2908 | 2636 | 2772 | 127 | --- | --- | --- | --- | --- | 81 | 145 | 50.9 | 36.0 |
| DSV06201 | 2814 | --- | --- | 123 | --- | --- | --- | --- | --- | 82 | 145 | 50.4 | 37.7 |
| Ceres | 2807 | 2590 | 2699 | 123 | --- | --- | --- | --- | --- | 80 | 143 | 42.4 | 35.3 |
| Kadore | 2669 | --- | --- | 117 | --- | --- | --- | --- | --- | 86 | 146 | 48.5 | 35.8 |
| DSV06202 | 2645 | --- | --- | 116 | --- | --- | --- | --- | --- | 80 | 145 | 46.0 | 37.2 |
| KS3074 | 2634 | 2348 | 2491 | 115 | --- | --- | --- | --- | --- | 84 | 146 | 49.5 | 37.1 |
| NPZ0391RR | 2590 | --- | --- | 113 | --- | --- | --- | --- | --- | 83 | 147 | 47.3 | 37.0 |
| Hornet | 2589 | 2723 | 2656 | 113 | --- | --- | --- | --- | --- | 81 | 146 | 50.6 | 37.7 |
| KS9135 | 2579 | 2770 | 2674 | 113 | --- | --- | --- | --- | --- | 84 | 147 | 45.5 | 36.1 |
| NPZ0404 | 2541 | --- | --- | 111 | --- | --- | --- | --- | --- | 80 | 143 | 48.9 | 36.8 |
| DKW13-86 | 2532 | --- | --- | 111 | --- | --- | --- | --- | --- | 81 | 148 | 50.5 | 36.5 |
| Ovation | 2529 | --- | --- | 111 | --- | --- | --- | --- | --- | 82 | 148 | 49.0 | 37.9 |
| ARC98015 | 2519 | 1680 | 2100 | 110 | --- | --- | --- | --- | --- | 81 | 147 | 47.7 | 37.5 |
| Baldur | 2509 | 2754 | 2632 | 110 | --- | --- | --- | --- | --- | 80 | 144 | 48.2 | 37.1 |
| KS3077 | 2488 | --- | --- | 109 | --- | --- | --- | --- | --- | 83 | 145 | 50.5 | 36.8 |
| KS3132 | 2480 | --- | --- | 109 | --- | --- | --- | --- | --- | 81 | 146 | 47.7 | 36.8 |
| Flash | 2476 | 3378 | 2927 | 108 | --- | --- | --- | --- | --- | 81 | 147 | 47.2 | 37.4 |
| ARC98007 | 2463 | 2111 | 2287 | 108 | --- | --- | --- | --- | --- | 80 | 145 | 49.2 | 36.6 |
| Kalif | 2458 | --- | --- | 108 | --- | --- | --- | --- | --- | 82 | 146 | 48.3 | 36.8 |
| ARC97019 | 2441 | 2412 | 2427 | 107 | --- | --- | --- | --- | --- | 81 | 144 | 48.4 | 35.5 |
| MH 604001 | 2435 | --- | --- | 107 | --- | --- | --- | --- | --- | 80 | 146 | 47.3 | 35.5 |
| Wichita | 2405 | 2159 | 2282 | 105 | --- | --- | --- | --- | --- | 81 | 145 | 50.5 | 36.0 |
| ARC2180-1 | 2387 | 1805 | 2096 | 105 | --- | --- | --- | --- | --- | 78 | 145 | 48.8 | 36.6 |
| Hybristar | 2382 | --- | --- | 104 | --- | --- | --- | --- | --- | 82 | 145 | 50.0 | 37.5 |
| NPZ0591RR | 2380 | --- | --- | 104 | --- | --- | --- | --- | --- | 82 | 145 | 50.2 | 36.6 |
| DKW13-62 | 2379 | --- | --- | 104 | --- | --- | --- | --- | --- | 86 | 145 | 47.9 | 37.6 |
| SLM0402 | 2373 | --- | --- | 104 | --- | --- | --- | --- | --- | 81 | 143 | 45.7 | 36.8 |
| Trabant | 2353 | --- | --- | 103 | --- | --- | --- | --- | --- | 81 | 143 | 49.1 | 35.4 |
| KS3254 | 2323 | 2438 | 2381 | 102 | --- | --- | --- | --- | --- | 83 | 146 | 49.3 | 35.8 |
| DKW13-69 | 2294 | --- | --- | 100 | --- | --- | --- | --- | --- | 83 | 146 | 48.9 | 36.5 |
| Jetton | 2291 | 1791 | 2041 | 100 | --- | --- | --- | --- | --- | 80 | 148 | 46.5 | 35.4 |
| KS4085 | 2285 | --- | --- | 100 | --- | --- | --- | --- | --- | 82 | 145 | 48.4 | 36.0 |
| X01W692C | 2278 | --- | --- | 100 | --- | --- | --- | --- | --- | 78 | 143 | 46.9 | 36.3 |
| Rally | 2267 | 2808 | 2538 | 99 | --- | --- | --- | --- | --- | 81 | 148 | 48.3 | 35.9 |
| Taurus | 2252 | --- | --- | 99 | --- | --- | --- | --- | --- | 78 | 145 | 50.0 | 37.5 |
| Sitro | 2225 | --- | --- | 97 | --- | --- | --- | --- | --- | 79 | 144 | 45.8 | 36.4 |
| Sumner | 2214 | 1888 | 2051 | 97 | --- | --- | --- | --- | --- | 79 | 144 | 50.1 | 35.8 |
| ARC97018 | 2209 | 2308 | 2259 | 97 | --- | --- | --- | --- | --- | 78 | 146 | 49.0 | 36.2 |
| TCL06.M1 | 2199 | --- | --- | 96 | --- | --- | --- | --- | --- | 81 | 147 | 47.6 | 38.3 |
| Rasmus | 2193 | 2192 | 2192 | 96 | --- | --- | --- | --- | --- | 78 | 145 | 47.7 | 36.1 |
| KS7436 | 2170 | 2330 | 2250 | 95 | --- | --- | --- | --- | --- | 80 | 145 | 50.2 | 37.3 |

Table 3. Results from the 2007 National Winter Canola Variety Trial at Marianna, AR

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | 50% | 90% | Test Weight (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|------------|------------|---------------------|------|------------|-----------|--------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | test avg | 2007 | 2006 | 2-Yr. Avg. | Bloom (d) | Maturity (d) | | |
| SW Gospel | 2168 | --- | --- | 95 | --- | --- | --- | 81 | 148 | 49.1 | 36.0 |
| SW Falstaff | 2131 | --- | --- | 93 | --- | --- | --- | 83 | 146 | 46.4 | 38.0 |
| Abilene | 2126 | 1704 | 1915 | 93 | --- | --- | --- | 81 | 143 | 50.3 | 34.5 |
| Satori | 2119 | --- | --- | 93 | --- | --- | --- | 81 | 147 | 47.9 | 35.7 |
| X01W522C | 2107 | --- | --- | 92 | --- | --- | --- | 79 | 144 | 45.5 | 35.1 |
| KS3302 | 2022 | --- | --- | 89 | --- | --- | --- | 79 | 144 | 47.9 | 36.3 |
| Viking | 1991 | --- | --- | 87 | --- | --- | --- | 81 | 143 | 49.9 | 34.9 |
| KS3018 | 1969 | --- | --- | 86 | --- | --- | --- | 79 | 147 | 48.2 | 36.2 |
| Virginia | 1945 | 2032 | 1988 | 85 | --- | --- | --- | 78 | 148 | 47.2 | 34.7 |
| KS4022 | 1922 | --- | --- | 84 | --- | --- | --- | 82 | 145 | 47.3 | 36.7 |
| X02W534C | 1875 | --- | --- | 82 | --- | --- | --- | 76 | 151 | 49.8 | 35.2 |
| Plainsman | 1864 | 2649 | 2257 | 82 | --- | --- | --- | 86 | 148 | 45.9 | 36.2 |
| TCI.06.M2 | 1819 | --- | --- | 80 | --- | --- | --- | 80 | 147 | 47.4 | 39.8 |
| TCI.06.M3 | 1636 | --- | --- | 72 | --- | --- | --- | 79 | 143 | 42.9 | 34.9 |
| TCI.06.M4 | 1606 | --- | --- | 70 | --- | --- | --- | 80 | 144 | 43.4 | 33.9 |
| Baros | 1412 | --- | --- | 62 | --- | --- | --- | 77 | 145 | 45.8 | 34.7 |
| Mean | 2293 | 2278 | --- | 100 | --- | --- | --- | 81 | 146 | 48.0 | 36.4 |
| CV (%) | 11 | 18.7 | --- | 11 | --- | --- | --- | 1.2 | 1.1 | 5.3 | 1.7 |
| LSD (0.05) | 414 | 697 | --- | 18 | --- | --- | --- | 2 | 3 | 4.4 | 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.

Griffin, Georgia

Don Day, John Gasset, & Gary Ware,

University of Georgia, Griffin

Planted: 10/6/2006 at 5 lbs/a in 7-in. rows

Harvested: 6/10/2007

Herbicides: Treflan and Select

Insecticides: Mustang

Irrigation:

Fertility: 49-98-147 lbs. N-P-K fertilizer in fall

60-0-0 lbs. N-P-K fertilizer in spring

Soil Test: P = Medium, K = High, and pH = 5.7.

Soil Type: Cecil sandy loam

Elevation: 924 ft Latitude: 33°16N

Comments:

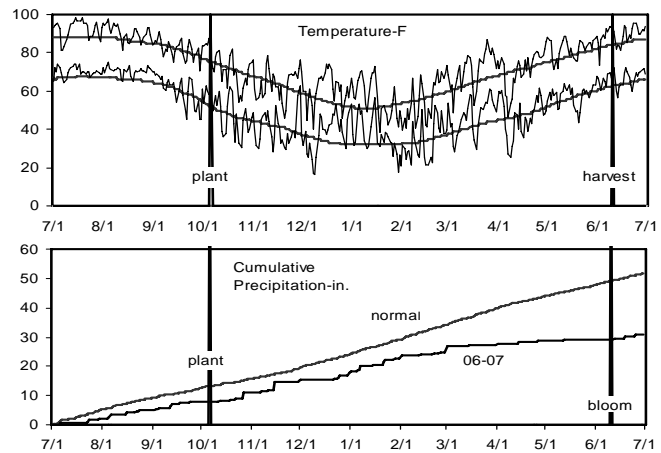


Table 4. Results from the 2007 National Winter Canola Variety Trial at Griffin, GA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | 50% Maturity | Plant Ht | Moist ure | Test Weight | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------------|---------------------|------|------------|--------------|----------|-----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (d) | (in.) | (%) | (lbs/bu) | (%) |
| DSV06201 | 2099 | --- | --- | 128 | --- | --- | --- | --- | --- | 154 | 64 | 5.2 | 47.6 | 37.1 |
| KS3077 | 2030 | --- | --- | 124 | --- | --- | --- | --- | --- | 155 | 61 | 5.5 | 49.2 | 34.9 |
| Wichita | 1967 | 1595 | 1781 | 120 | --- | --- | --- | --- | --- | 151 | 58 | 5.1 | 49.4 | 35.0 |
| Taurus | 1964 | --- | --- | 120 | --- | --- | --- | --- | --- | 154 | 58 | 5.2 | 50.6 | 37.8 |
| Ovation | 1918 | --- | --- | 117 | --- | --- | --- | --- | --- | 157 | 55 | 5.3 | 51.5 | 37.5 |
| Sitro | 1911 | --- | --- | 117 | --- | --- | --- | --- | --- | 151 | 59 | 5.0 | 51.1 | 36.1 |
| NPZ0404 | 1908 | --- | --- | 117 | --- | --- | --- | --- | --- | 152 | 58 | 4.8 | 51.7 | 37.5 |
| Abilene | 1907 | 1290 | 1598 | 117 | --- | --- | --- | --- | --- | 153 | 60 | 5.2 | 51.0 | 36.0 |
| Rally | 1897 | 1915 | 1906 | 116 | --- | --- | --- | --- | --- | 154 | 55 | 5.6 | 50.0 | 36.1 |
| NPZ0591RR | 1897 | --- | --- | 116 | --- | --- | --- | --- | --- | 152 | 56 | 5.2 | 52.5 | 36.4 |
| Flash | 1865 | 1477 | 1671 | 114 | --- | --- | --- | --- | --- | 154 | 61 | 5.1 | 52.1 | 35.9 |
| KS3018 | 1863 | 906 | 1384 | 114 | --- | --- | --- | --- | --- | 154 | 58 | 5.2 | 50.7 | 35.4 |
| Kadore | 1846 | --- | --- | 113 | --- | --- | --- | --- | --- | 156 | 47 | 5.5 | 51.2 | 36.1 |
| MH 604001 | 1825 | --- | --- | 112 | --- | --- | --- | --- | --- | 154 | 59 | 5.3 | 51.0 | 36.8 |
| Virginia | 1813 | 1639 | 1726 | 111 | --- | --- | --- | --- | --- | 153 | 53 | 4.7 | 50.2 | 35.4 |
| KS4085 | 1783 | --- | --- | 109 | --- | --- | --- | --- | --- | 155 | 58 | 5.3 | 51.4 | 36.4 |
| KS9135 | 1758 | 1268 | 1513 | 107 | --- | --- | --- | --- | --- | 155 | 59 | 5.2 | 52.1 | 35.6 |
| SLM0402 | 1744 | --- | --- | 107 | --- | --- | --- | --- | --- | 154 | 59 | 5.1 | 49.7 | 36.6 |
| KS3074 | 1690 | 1244 | 1467 | 103 | --- | --- | --- | --- | --- | 155 | 55 | 4.9 | 51.8 | 36.4 |
| Sumner | 1685 | 1070 | 1377 | 103 | --- | --- | --- | --- | --- | 151 | 53 | 5.2 | 51.7 | 35.6 |
| ARC98007 | 1681 | 1134 | 1408 | 103 | --- | --- | --- | --- | --- | 154 | 61 | 4.8 | 49.9 | 36.1 |
| Kalif | 1665 | --- | --- | 102 | --- | --- | --- | --- | --- | 154 | 52 | 5.0 | 47.7 | 36.5 |
| DSV06202 | 1661 | --- | --- | 102 | --- | --- | --- | --- | --- | 156 | 59 | 5.0 | 50.5 | 37.2 |
| KS7436 | 1655 | 914 | 1284 | 101 | --- | --- | --- | --- | --- | 155 | 57 | 5.2 | 50.8 | 36.7 |
| ARC97018 | 1644 | 1560 | 1602 | 101 | --- | --- | --- | --- | --- | 153 | 63 | 5.1 | 49.4 | 35.6 |
| TCI.06.M1 | 1637 | --- | --- | 100 | --- | --- | --- | --- | --- | 155 | 57 | 4.8 | 49.9 | --- |
| ARC97019 | 1605 | 1232 | 1419 | 98 | --- | --- | --- | --- | --- | 152 | 63 | 5.1 | 51.2 | 35.6 |
| Jetton | 1604 | 1460 | 1532 | 98 | --- | --- | --- | --- | --- | 151 | 54 | 5.6 | 49.6 | 35.8 |
| Viking | 1590 | --- | --- | 97 | --- | --- | --- | --- | --- | 152 | 55 | 5.1 | 51.4 | 35.6 |
| Hornet | 1573 | 1727 | 1650 | 96 | --- | --- | --- | --- | --- | 157 | 59 | 5.0 | 51.7 | 36.5 |
| TCI.06.M4 | 1570 | --- | --- | 96 | --- | --- | --- | --- | --- | 153 | 55 | 5.4 | 52.0 | --- |
| KS3132 | 1558 | --- | --- | 95 | --- | --- | --- | --- | --- | 151 | 54 | 5.2 | 50.2 | 36.4 |
| KS3302 | 1550 | --- | --- | 95 | --- | --- | --- | --- | --- | 152 | 49 | 5.1 | 51.4 | 36.2 |
| Baldur | 1504 | 1462 | 1483 | 92 | --- | --- | --- | --- | --- | 154 | 59 | 5.2 | 52.1 | 36.7 |
| Hybristar | 1496 | --- | --- | 91 | --- | --- | --- | --- | --- | 153 | 60 | 5.1 | 50.2 | 35.7 |
| SW Gospel | 1488 | --- | --- | 91 | --- | --- | --- | --- | --- | 153 | 54 | 5.0 | 47.5 | 36.2 |
| Satori | 1480 | --- | --- | 91 | --- | --- | --- | --- | --- | 156 | 51 | 5.3 | 49.3 | 36.7 |
| KS3254 | 1474 | 1220 | 1347 | 90 | --- | --- | --- | --- | --- | 153 | 56 | 4.8 | 51.2 | 35.5 |
| NPZ0391RR | 1470 | --- | --- | 90 | --- | --- | --- | --- | --- | 158 | 54 | 5.7 | 50.6 | 35.1 |

Table 4. Results from the 2007 National Winter Canola Variety Trial at Griffin, GA

| Name | Yield (lbs/a) | | | Yield % of test avg | | Winter Survival (%) | | 50% Maturity | Plant Ht | Moist ure | Test Weight | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|---------------------|------|--------------|----------|-----------|-------------|-------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2007 | 2006 | (d) | (in.) | (%) | (lbs/bu) | (%) |
| ARC98015 | 1470 | 1230 | 1350 | 90 | --- | --- | --- | 156 | 64 | 5.2 | 52.2 | 35.5 |
| Trabant | 1454 | --- | --- | 89 | --- | --- | --- | 154 | 58 | 5.1 | 51.2 | 37.3 |
| KS4022 | 1453 | --- | --- | 89 | --- | --- | --- | 151 | 50 | 5.0 | 50.4 | 35.9 |
| TCI.06.M3 | 1450 | --- | --- | 89 | --- | --- | --- | 153 | 54 | 5.0 | 49.0 | --- |
| Rasmus | 1423 | 1404 | 1414 | 87 | --- | --- | --- | 154 | 56 | 5.2 | 49.0 | 34.5 |
| SW Falstaff | 1399 | --- | --- | 86 | --- | --- | --- | 157 | 54 | 4.9 | 49.4 | 37.7 |
| Kronos | 1388 | 1362 | 1375 | 85 | --- | --- | --- | 154 | 63 | 5.0 | 52.3 | 35.1 |
| Ceres | 1342 | 776 | 1059 | 82 | --- | --- | --- | 153 | 57 | 4.9 | 49.2 | 34.4 |
| TCI.06.M2 | 1305 | --- | --- | 80 | --- | --- | --- | 156 | 54 | 4.9 | 51.4 | --- |
| Baros | 1259 | --- | --- | 77 | --- | --- | --- | 150 | 60 | 5.5 | 50.5 | 35.4 |
| ARC2180-1 | 1106 | 1223 | 1165 | 68 | --- | --- | --- | 153 | 63 | 5.0 | 50.1 | 35.4 |
| Plainsman | 1103 | 1092 | 1098 | 67 | --- | --- | --- | 150 | 60 | 5.3 | 50.7 | 35.7 |
| Mean | 1636 | 1337 | --- | 100 | --- | --- | --- | 154 | 57 | 5.1 | 50.6 | 36.0 |
| CV (%) | 14 | 132 | --- | 14 | --- | --- | --- | 2 | 4 | 6.2 | 3.3 | 1.9 |
| LSD (0.05) | 379 | 310 | --- | 23 | --- | --- | --- | 4 | 4 | 0.5 | 2.9 | 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.

Orange, Virginia

David Starner, Northern Piedmont Agricultural
 Research and Extension Center, Virginia Tech University
 Planted: 9/28/2006 at 5lbs/a in 7-in. rows
 Harvested: 6/19/2007 & 6/20/2007
 Herbicides: Treflan 1 pt/a
 Insecticides:
 Irrigation:
 Fertility: 23-60-30-30 lbs. N-P-K-S fertilizer in fall
 60-0-0-0 lbs. N-P-K-S fertilizer in spring
 Previous Crop: Wheat
 Soil Type: Starr clay loam
 Elevation: 480 ft Latitude: 38°13N
 Comments: Freeze in early April set back plants but did not affect
 yields substantially.

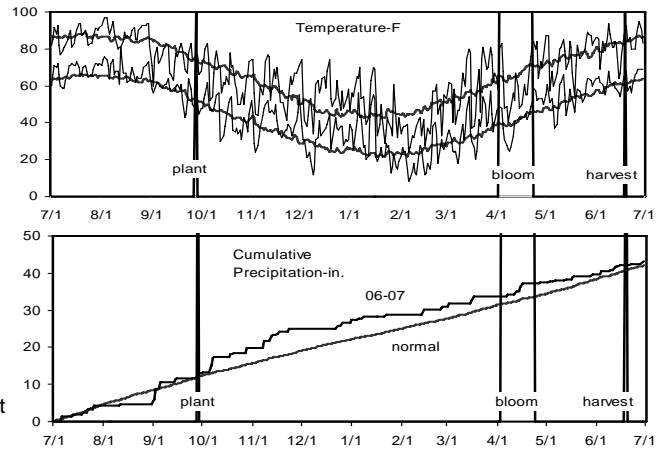


Table 5. Results from the 2007 National Winter Canola Variety Trial at Orange, VA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Fall | | | Maturity (d) | Plant Ht (in.) | Moisture (%) | Test Weight (lbs/bu) | Total Oil (%) |
|-------------|---------------|------|------------|---------------------|------|------------|--------------|-----------|--------------|--------------|----------------|--------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | Stand (0-10) | Bloom (d) | Survival (%) | | | | | |
| Sitro | 2963 | --- | --- | 139 | 100 | --- | --- | 6.2 | 101 | 166 | 50 | 9.1 | 47.8 | 39.7 |
| NPZ0591RR | 2734 | --- | --- | 128 | 100 | --- | --- | 7.8 | 103 | 167 | 51 | 7.6 | 47.7 | 39.6 |
| Flash | 2718 | --- | --- | 127 | 100 | --- | --- | 6.5 | 99 | 167 | 54 | 9.0 | 46.7 | 40.1 |
| SLM0402 | 2676 | --- | --- | 125 | 100 | --- | --- | 5.3 | 99 | 166 | 47 | 10.4 | 46.3 | 39.3 |
| SW Falstaff | 2568 | --- | --- | 120 | 100 | --- | --- | 7.0 | 108 | 168 | 49 | 8.8 | 45.6 | 39.9 |
| DSV06202 | 2565 | --- | --- | 120 | 100 | --- | --- | 6.3 | 99 | 168 | 51 | 10.2 | 47.1 | 38.8 |
| KS3074 | 2492 | 3203 | 2848 | 117 | 100 | 98 | 99 | 4.7 | 108 | 166 | 53 | 7.3 | 48.9 | 39.7 |
| Hornet | 2472 | 3290 | 2881 | 116 | 100 | 97 | 99 | 5.3 | 106 | 168 | 55 | 10.6 | 47.6 | 39.7 |
| DSV06201 | 2462 | --- | --- | 115 | 100 | --- | --- | 7.8 | 104 | 168 | 53 | 8.1 | 46.4 | 40.6 |
| Satori | 2412 | --- | --- | 113 | 100 | --- | --- | 5.7 | 101 | 164 | 45 | 7.9 | 47.1 | 39.8 |
| Kronos | 2400 | 3321 | 2861 | 112 | 100 | 92 | 96 | 6.0 | 108 | 167 | 56 | 9.9 | 47.8 | 38.7 |
| Kadore | 2370 | --- | --- | 111 | 100 | --- | --- | 5.3 | 108 | 168 | 45 | 10.4 | 47.7 | 38.8 |
| Baldur | 2364 | 2925 | 2644 | 111 | 100 | 87 | 94 | 5.7 | 103 | 168 | 52 | 9.5 | 48.2 | 39.4 |
| Virginia | 2351 | 3039 | 2695 | 110 | 98 | 97 | 98 | 5.3 | 101 | 165 | 45 | 9.3 | 46.1 | 38.9 |
| KS3077 | 2295 | --- | --- | 107 | 100 | --- | --- | 6.2 | 108 | 166 | 54 | 9.1 | 48.0 | 39.1 |
| TCI.06.M4 | 2279 | --- | --- | 107 | 100 | --- | --- | 7.3 | 94 | 161 | 44 | 8.1 | 47.6 | 38.9 |
| Hybristar | 2271 | --- | --- | 106 | 100 | --- | --- | 6.0 | 94 | 167 | 50 | 10.3 | 46.5 | 38.6 |
| Rally | 2261 | 2915 | 2588 | 106 | 100 | 100 | 100 | 7.7 | 106 | 169 | 54 | 9.3 | 46.5 | 39.8 |
| Plainsman | 2221 | 2422 | 2321 | 104 | 100 | 98 | 99 | 3.2 | 113 | 170 | 54 | 10.1 | 47.3 | 38.6 |
| NPZ0404 | 2217 | --- | --- | 104 | 100 | --- | --- | 5.0 | 99 | 166 | 48 | 9.0 | 47.1 | 39.2 |
| KS3018 | 2215 | 2897 | 2556 | 104 | 100 | 92 | 96 | 4.7 | 94 | 165 | 51 | 8.4 | 47.4 | 37.5 |
| KS7436 | 2192 | 2419 | 2305 | 103 | 100 | 98 | 99 | 5.7 | 101 | 164 | 49 | 8.9 | 47.5 | 38.5 |
| KS3254 | 2179 | 3392 | 2785 | 102 | 100 | 100 | 100 | 6.8 | 108 | 167 | 51 | 10.0 | 47.3 | 39.3 |
| KS3302 | 2169 | --- | --- | 101 | 100 | --- | --- | 5.2 | 94 | 163 | 45 | 7.8 | 50.3 | 39.2 |
| MH 604001 | 2167 | --- | --- | 101 | 100 | --- | --- | 5.7 | 99 | 166 | 48 | 8.4 | 47.4 | 39.2 |
| Trabant | 2160 | --- | --- | 101 | 100 | --- | --- | 6.8 | 101 | 167 | 48 | 8.5 | 46.9 | 38.4 |
| Ovation | 2146 | --- | --- | 100 | 100 | --- | --- | 6.3 | 106 | 170 | 49 | 9.7 | 47.8 | 41.4 |
| NPZ0391RR | 2052 | --- | --- | 96 | 100 | --- | --- | 6.7 | 108 | 167 | 51 | 9.6 | 47.7 | 38.5 |
| KS4085 | 2041 | --- | --- | 96 | 100 | --- | --- | 6.2 | 103 | 167 | 54 | 9.0 | 47.2 | 38.8 |
| ARC98007 | 2037 | 3152 | 2594 | 95 | 100 | 97 | 99 | 5.3 | 108 | 167 | 56 | 10.5 | 47.4 | 39.7 |
| ARC97018 | 2003 | 3274 | 2638 | 94 | 100 | --- | --- | 4.3 | 99 | 167 | 50 | 9.2 | 47.4 | 39.4 |
| Kalif | 1991 | --- | --- | 93 | 100 | --- | --- | 7.8 | 104 | 165 | 46 | 7.5 | 46.9 | 40.5 |
| Ceres | 1986 | 2155 | 2071 | 93 | 100 | 92 | 96 | 7.8 | 106 | 164 | 49 | 8.6 | 47.6 | 39.3 |
| Wichita | 1985 | 3262 | 2624 | 93 | 100 | 93 | 97 | 3.0 | 101 | 162 | 44 | 7.7 | 48.1 | 38.8 |
| KS3132 | 1965 | --- | --- | 92 | 100 | --- | --- | 6.5 | 99 | 164 | 46 | 9.0 | 47.1 | 38.7 |
| KS9135 | 1948 | 3023 | 2485 | 91 | 100 | 98 | 99 | 5.8 | 106 | 167 | 52 | 9.0 | 47.8 | 38.3 |
| Taurus | 1931 | --- | --- | 90 | 100 | --- | --- | 6.0 | 94 | 166 | 46 | 8.6 | 46.4 | 40.2 |
| SW Gospel | 1918 | --- | --- | 90 | 100 | --- | --- | 6.8 | 99 | 167 | 43 | 11.0 | 46.1 | 39.8 |
| ARC97019 | 1918 | 3320 | 2619 | 90 | 98 | 97 | 98 | 4.3 | 108 | 168 | 54 | 10.2 | 47.0 | 37.9 |

Table 5. Results from the 2007 National Winter Canola Variety Trial at Orange, VA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall | | Matur | Plant | Moist | Test | Total |
|-------------------|---------------|------|------------|---------------------|------|------|------------|--------|-------|-------|-------|-------|----------|-------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | Stand | Bloom | ity | Ht | ure | Weight | Oil |
| | | | | | | | | (0-10) | (d) | (d) | (in.) | (%) | (lbs/bu) | (%) |
| ARC2180-1 | 1902 | 2818 | 2360 | 89 | 100 | 95 | 98 | 3.0 | 102 | 166 | 52 | 10.4 | 46.4 | 38.5 |
| TCI.06.M3 | 1881 | --- | --- | 88 | 100 | --- | --- | 5.0 | 91 | 163 | 40 | 10.6 | 46.5 | 38.2 |
| ARC98015 | 1857 | 2925 | 2391 | 87 | 98 | 95 | 97 | 4.7 | 108 | 170 | 57 | 10.6 | 46.6 | 38.5 |
| Sumner | 1851 | 2983 | 2417 | 87 | 100 | 92 | 96 | 6.7 | 94 | 161 | 44 | 8.1 | 49.5 | 38.4 |
| Abilene | 1832 | 2823 | 2327 | 86 | 100 | 100 | 100 | 2.7 | 106 | 166 | 48 | 9.2 | 48.2 | 38.3 |
| Jetton | 1815 | 2912 | 2364 | 85 | 100 | 95 | 98 | 6.5 | 99 | 166 | 48 | 9.9 | 47.1 | 40.2 |
| Viking | 1726 | --- | --- | 81 | 100 | --- | --- | 6.8 | 99 | 163 | 44 | 8.7 | 48.7 | 38.8 |
| Baros | 1724 | --- | --- | 81 | 100 | --- | --- | 3.7 | 94 | 161 | 44 | 10.2 | 46.2 | 39.2 |
| Rasmus | 1723 | 2570 | 2147 | 81 | 100 | 95 | 98 | 3.5 | 94 | 166 | 45 | 10.4 | 45.6 | 39.1 |
| KS4022 | 1704 | --- | --- | 80 | 100 | --- | --- | 4.3 | 108 | 168 | 46 | 11.3 | 45.9 | 39.3 |
| TCI.06.M1 | 1656 | --- | --- | 77 | 100 | --- | --- | 7.5 | 106 | 165 | 47 | 8.1 | 47.1 | 40.8 |
| TCI.06.M2 | 1184 | --- | --- | 55 | 100 | --- | --- | 8.3 | 99 | 161 | 43 | 8.1 | 46.9 | 40.6 |
| Mean | 2139 | 2917 | --- | 100 | 100 | --- | --- | 5.8 | 102 | 166 | 49 | 9.2 | 47.3 | 39.2 |
| CV (%) | 20 | 11 | --- | 20 | 1 | --- | --- | 21.5 | 4 | 1 | 6 | 15.1 | 2.1 | 2.4 |
| LSD (0.05) | 715 | 524 | --- | 34 | NS | --- | --- | 2.0 | 7 | 3 | 5 | 2.3 | 1.6 | 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.

Petersburg, Virginia

Harbans Bhardwaj, Virginia State University

Planted: 10/12/2006 at 6 lbs/a in 15-in. rows

Harvested: 6/28/2007

Herbicides: Treflan 2 pt/a

Insecticides: Karate

Irrigation:

Fertility: 100-100-100 lbs. N-P-K fertilizer in spring

Previous Crop: White Lupin

Soil Type: Abell sandy loam

Elevation: 15 ft Latitude: 37°14N

Comments:

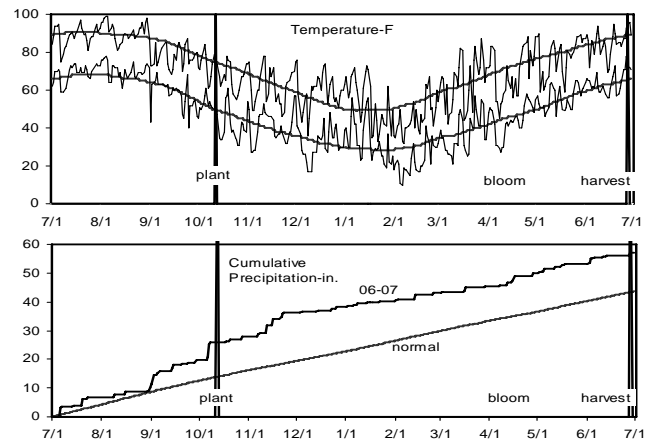


Table 6. Results from the 2007 National Winter Canola Variety Trial at Petersburg, VA

| Name | Yield (lbs/a) | | | Yield % of | | | | Fall | | | Plant | Test | Total |
|-------------|---------------|------|------------|------------|---------------------|------|------------|--------|-------|----------|--------|----------|-------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | Stand | Bloom | Maturity | Height | Weight | Oil |
| | | | | test avg | Winter Survival (%) | | | (0-10) | (d) | (d) | (in.) | (lbs/bu) | (%) |
| DSV06201 | 1431 | --- | --- | 232 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.2 |
| Hornet | 1266 | 1673 | 1469 | 205 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 39.7 |
| KS7436 | 1149 | 817 | 983 | 186 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.2 |
| Virginia | 1096 | 1881 | 1488 | 178 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 39.8 |
| Flash | 1030 | --- | --- | 167 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 41.3 |
| Ovation | 949 | --- | --- | 154 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.4 |
| Rally | 916 | 1858 | 1387 | 149 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 41.1 |
| DSV06202 | 826 | --- | --- | 134 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.0 |
| KS3077 | 824 | --- | --- | 134 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.8 |
| TCI.06.M3 | 822 | --- | --- | 133 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.3 |
| ARC97019 | 812 | 883 | 847 | 132 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 36.7 |
| KS3254 | 734 | 1005 | 870 | 119 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.2 |
| ARC98015 | 730 | 930 | 830 | 118 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.5 |
| NPZ0404 | 704 | --- | --- | 114 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.3 |
| Viking | 693 | --- | --- | 112 | 100 | --- | --- | --- | --- | --- | --- | --- | 38.4 |
| KS3132 | 689 | --- | --- | 112 | 100 | --- | --- | --- | --- | --- | --- | --- | 39.9 |
| ARC2180-1 | 672 | 1007 | 839 | 109 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 41.2 |
| Rasmus | 659 | 807 | 733 | 107 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 39.2 |
| Sitro | 656 | --- | --- | 106 | 100 | --- | --- | --- | --- | --- | --- | --- | 38.5 |
| Jetton | 622 | 818 | 720 | 101 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 37.7 |
| TCI.06.M2 | 609 | --- | --- | 99 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.0 |
| Wichita | 596 | 658 | 627 | 97 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 38.2 |
| Abilene | 591 | 903 | 747 | 96 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 41.8 |
| KS9135 | 576 | 1032 | 804 | 93 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 38.5 |
| Baros | 573 | --- | --- | 93 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.8 |
| SW Falstaff | 565 | --- | --- | 92 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.6 |
| TCI.06.M4 | 535 | --- | --- | 87 | 100 | --- | --- | --- | --- | --- | --- | --- | 37.4 |
| SLM0402 | 530 | --- | --- | 86 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.0 |
| Kalif | 524 | --- | --- | 85 | 100 | --- | --- | --- | --- | --- | --- | --- | 42.2 |
| Ceres | 522 | 402 | 462 | 85 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 39.0 |
| KS4085 | 521 | --- | --- | 84 | 100 | --- | --- | --- | --- | --- | --- | --- | 42.4 |
| Taurus | 503 | --- | --- | 82 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.4 |
| Sumner | 495 | 651 | 573 | 80 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 38.7 |
| ARC97018 | 477 | 903 | 690 | 77 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.7 |
| KS4022 | 468 | --- | --- | 76 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.2 |
| KS3074 | 461 | 976 | 719 | 75 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 42.0 |
| ARC98007 | 459 | 692 | 575 | 74 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.2 |
| SW Gospel | 443 | --- | --- | 72 | 100 | --- | --- | --- | --- | --- | --- | --- | 42.4 |
| MH604001 | 436 | --- | --- | 71 | 100 | --- | --- | --- | --- | --- | --- | --- | 42.7 |

Table 6. Results from the 2007 National Winter Canola Variety Trial at Petersburg, VA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall | | | Plant | Test | Total |
|-------------------|---------------|------|------------|---------------------|------|------|------------|--------------|-----------|--------------|--------------|-----------------|-------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | Stand (0-10) | Bloom (d) | Maturity (d) | Height (in.) | Weight (lbs/bu) | Oil (%) |
| KS3018 | 406 | 789 | 597 | 66 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 38.8 |
| NPZ0591RR | 404 | --- | --- | 66 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.3 |
| Baldur | 395 | 841 | 618 | 64 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.5 |
| KS3302 | 387 | --- | --- | 63 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.3 |
| Plainsman | 370 | 761 | 566 | 60 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.1 |
| Hybristar | 357 | --- | --- | 58 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.3 |
| Satori | 356 | --- | --- | 58 | 100 | --- | --- | --- | --- | --- | --- | --- | 41.2 |
| NPZ0391RR | 356 | --- | --- | 58 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.0 |
| Kadore | 341 | --- | --- | 55 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.9 |
| Trabant | 336 | --- | --- | 55 | 100 | --- | --- | --- | --- | --- | --- | --- | 40.0 |
| Kronos | 314 | 899 | 607 | 51 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 41.9 |
| TCI.06.M1 | 254 | --- | --- | 41 | 100 | --- | --- | --- | --- | --- | --- | --- | 42.9 |
| Mean | 617 | 1011 | --- | 100 | 100 | 100 | 100 | --- | --- | --- | --- | --- | 40.4 |
| CV (%) | 48 | 26 | --- | 48 | --- | --- | --- | --- | --- | --- | --- | --- | 1.0 |
| LSD (0.05) | 483 | 424 | --- | 78 | --- | --- | --- | --- | --- | --- | --- | --- | 0.8 |

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

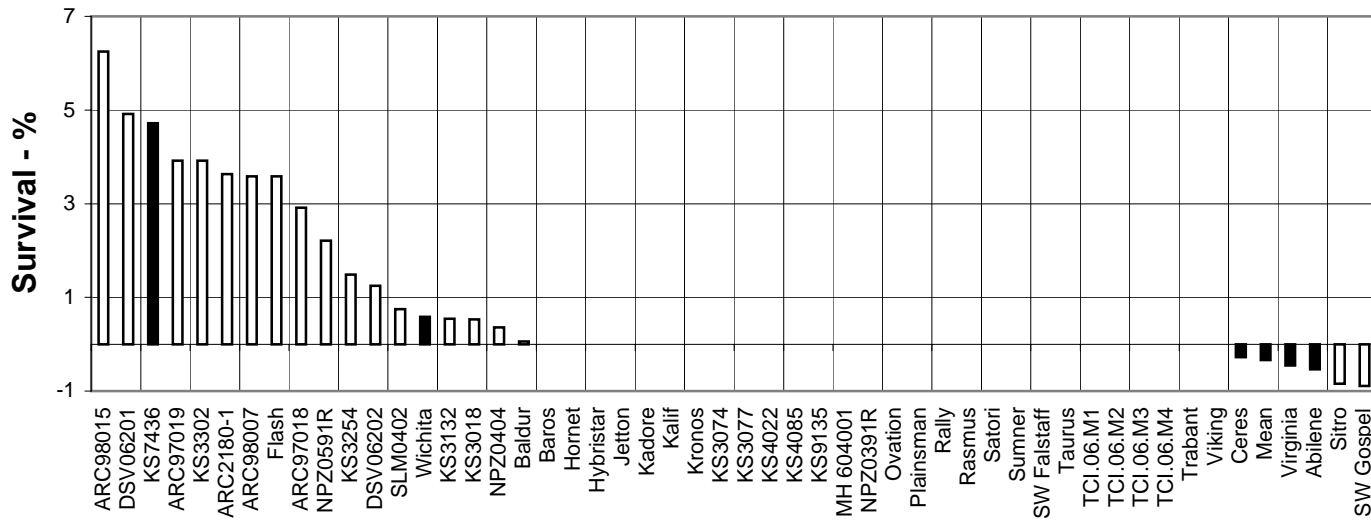
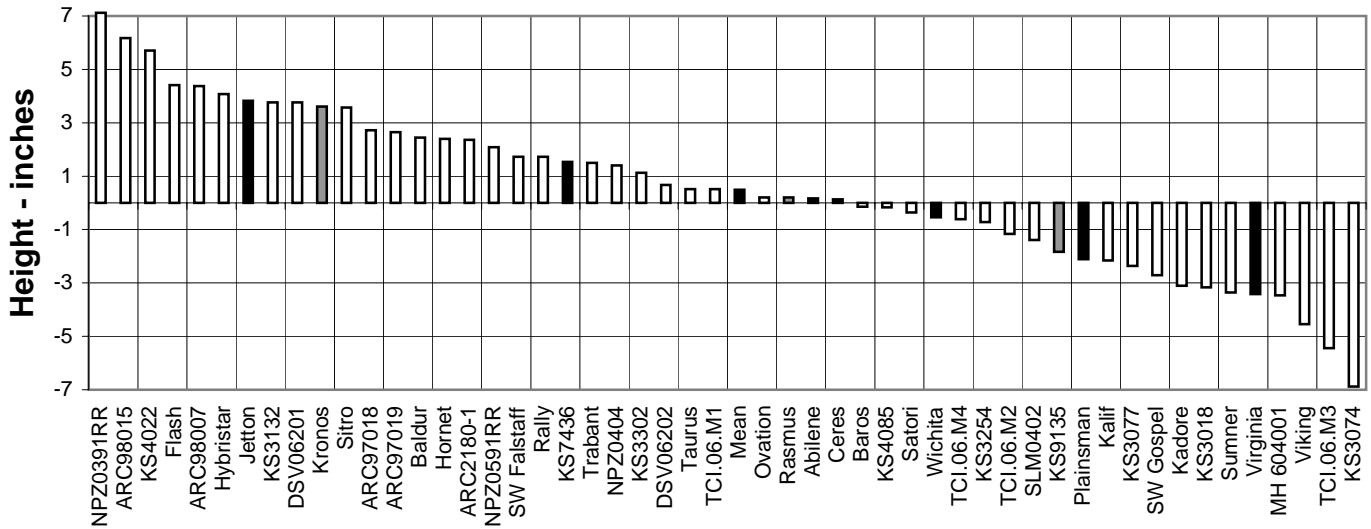
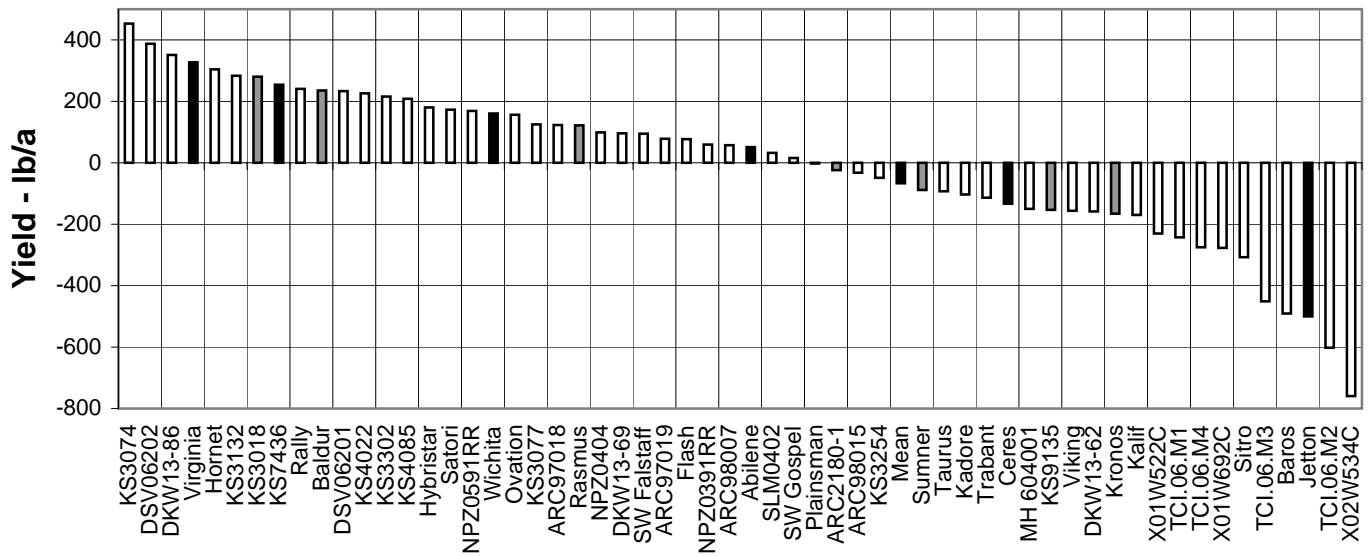
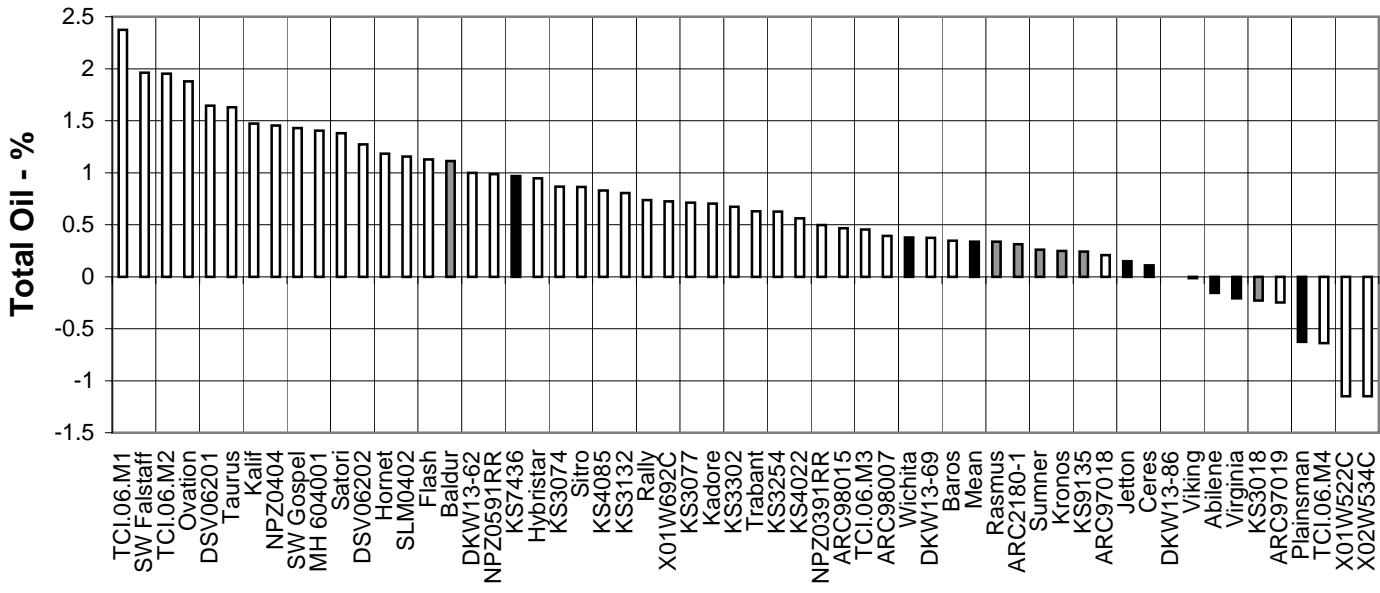
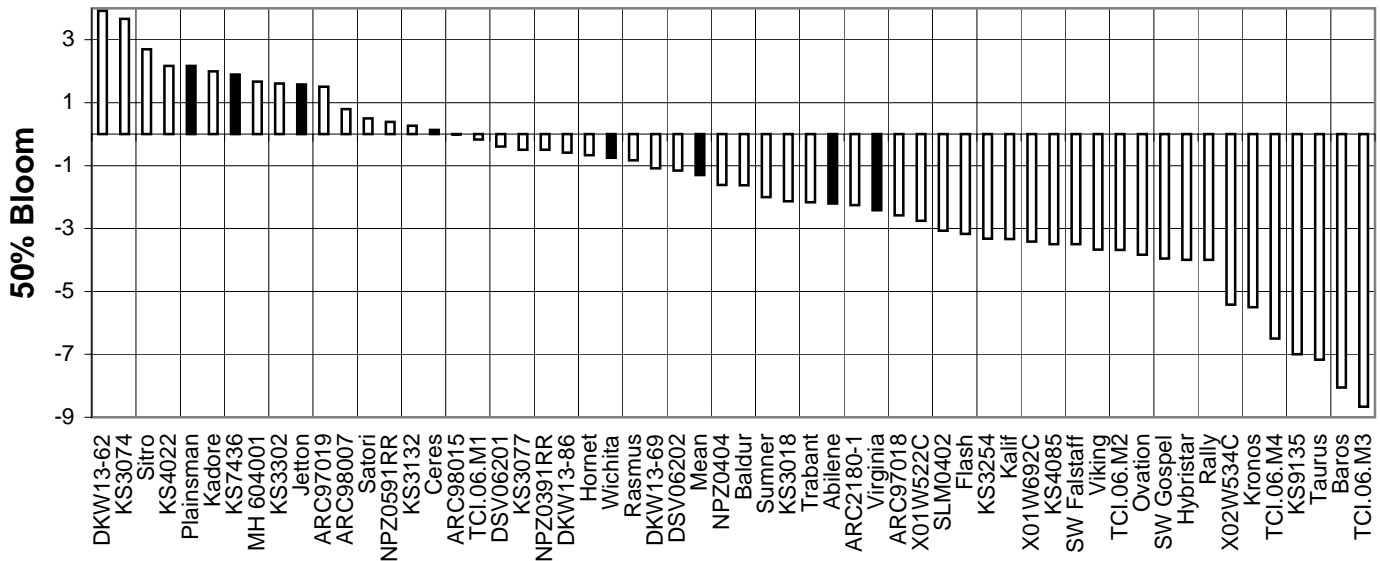


Figure 1. Southeast Winter Canola Summary, 1996-2007.



Note: Values are averages of the differences between each cultivar and the mean of Ceres, Jetton, Plainsman, and Wichita for yield (lbs/a), winter survival (%), plant height (inches), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (as shown at right).

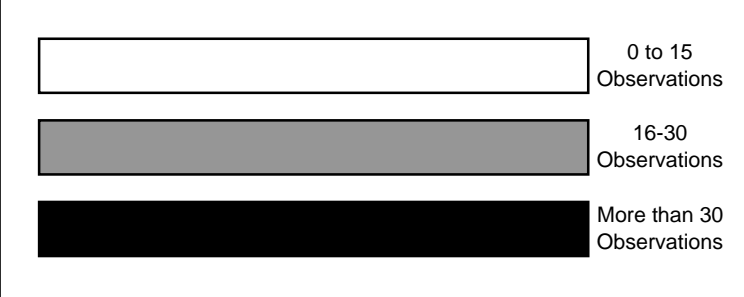


Figure 1. Southeast Winter Canola Summary, 1996-2007 (continued).

Carbondale, Illinois

Michael Schmidt, Jim Klein, & Cathy Schmidt

Southern Illinois University

Planted: 9/20/06 at 10 lbs/a in 7.5-in. rows

Harvested:

Herbicides: Treflan 1.5 pt/a

Insecticides:

Irrigation:

Fertility: 120-0-0 lbs. N-P-K fertilizer in the spring

Previous Crop: Corn

Soil Type: Stoy silt loam

Elevation: 400 ft Latitude: 38°30N

Comments: Nighttime temperatures below 28°F for four consecutive nights from April 5 to April 9.

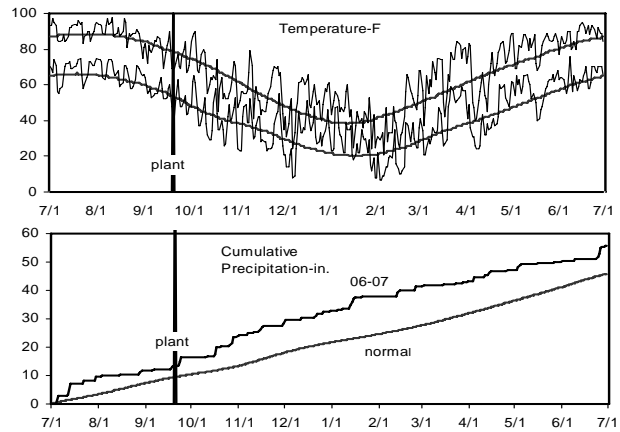


Table 7. Results from the 2007 National Winter Canola Variety Trial at Carbondale, IL

| Name | Yield (lbs/a) | | | Yield % of test avg | | Winter Survival (%) | | Fall Stand | Frost Injury* | Plant Ht | Lodging | Total Oil |
|-----------|---------------|------|------------|---------------------|------|---------------------|------|------------|---------------|----------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2007 | 2006 | (0-10) | (1-10) | (in.) | (%) | (%) |
| KS4114 | 2874 | --- | --- | 158 | --- | --- | --- | 7.3 | 2.0 | 42 | 3 | 39.4 |
| KS3077 | 2627 | --- | --- | 144 | --- | --- | --- | 6.8 | 1.5 | 48 | 10 | 39.8 |
| Kadore | 2613 | --- | --- | 144 | --- | --- | --- | 3.8 | 1.0 | 46 | 3 | 39.1 |
| KS3132 | 2443 | --- | --- | 134 | --- | --- | --- | 7.8 | 1.8 | 44 | 7 | 40.0 |
| KS3254 | 2356 | 3970 | 3163 | 129 | --- | --- | --- | 6.0 | 2.0 | 46 | 7 | 39.6 |
| KS7436 | 2340 | 3585 | 2962 | 129 | --- | --- | --- | 6.7 | 2.5 | 42 | 8 | 40.8 |
| KS3302 | 2336 | --- | --- | 128 | --- | --- | --- | 6.5 | 3.3 | 41 | 7 | 39.7 |
| KS9135 | 2284 | 3832 | 3058 | 125 | --- | --- | --- | 7.3 | 1.2 | 44 | 10 | 39.0 |
| NPZ0404 | 2284 | --- | --- | 125 | --- | --- | --- | 6.0 | 4.5 | 42 | 3 | 40.8 |
| KS3074 | 2256 | 3802 | 3029 | 124 | --- | --- | --- | 5.2 | 1.0 | 48 | 5 | 39.2 |
| KS4022 | 2218 | --- | --- | 122 | --- | --- | --- | 4.7 | 2.8 | 43 | 5 | 40.7 |
| MH 604001 | 2122 | --- | --- | 117 | --- | --- | --- | 5.5 | 6.2 | 47 | 3 | 40.6 |
| Kalif | 2102 | --- | --- | 116 | --- | --- | --- | 8.7 | 2.3 | 38 | 8 | 41.0 |
| Trabant | 2082 | --- | --- | 114 | --- | --- | --- | 6.0 | 5.0 | 41 | 3 | 40.0 |
| KS4160 | 2064 | --- | --- | 113 | --- | --- | --- | 5.3 | 2.5 | 42 | 12 | 40.2 |
| KS4085 | 2054 | --- | --- | 113 | --- | --- | --- | 5.0 | 2.2 | 43 | 5 | 39.2 |
| Virginia | 2052 | 3609 | 2831 | 113 | --- | --- | --- | 5.0 | 4.3 | 42 | 10 | 39.2 |
| ARC98015 | 2018 | 3641 | 2830 | 111 | --- | --- | --- | 5.0 | 2.0 | 49 | 8 | 39.9 |
| ARC97018 | 1993 | 3792 | 2892 | 109 | --- | --- | --- | 5.0 | 3.3 | 47 | 3 | 38.9 |
| ARC97019 | 1951 | 3410 | 2680 | 107 | --- | --- | --- | 2.7 | 3.3 | 44 | 12 | 38.3 |
| Jetton | 1947 | 3692 | 2819 | 107 | --- | --- | --- | 6.2 | 4.2 | 44 | 8 | 37.9 |
| KS3357 | 1947 | --- | --- | 107 | --- | --- | --- | 6.3 | 1.7 | 49 | 7 | 39.1 |
| ARC2180-1 | 1923 | 3358 | 2640 | 106 | --- | --- | --- | 4.0 | 3.0 | 48 | 7 | 38.1 |
| ARC98007 | 1889 | 2912 | 2400 | 104 | --- | --- | --- | 4.7 | 3.8 | 46 | 8 | 39.3 |
| Rally | 1885 | 4193 | 3039 | 104 | --- | --- | --- | 7.7 | 4.0 | 33 | 32 | 39.3 |
| KS3018 | 1835 | 3305 | 2570 | 101 | --- | --- | --- | 7.7 | 3.0 | 42 | 10 | 38.3 |
| Taurus | 1813 | --- | --- | 100 | --- | --- | --- | 6.2 | 5.3 | 41 | 10 | 39.7 |
| NPZ0391RR | 1805 | --- | --- | 99 | --- | --- | --- | 7.3 | 2.7 | 43 | 7 | 38.6 |
| DSV06201 | 1799 | --- | --- | 99 | --- | --- | --- | 7.3 | 3.3 | 41 | 15 | 39.9 |
| Sumner | 1799 | 3607 | 2703 | 99 | --- | --- | --- | 4.3 | 3.2 | 42 | 8 | 38.3 |
| Wichita | 1771 | 3429 | 2600 | 97 | --- | --- | --- | 3.3 | 2.3 | 41 | 8 | 39.4 |
| Ceres | 1757 | 3500 | 2629 | 97 | --- | --- | --- | 8.7 | 2.7 | 36 | 22 | 37.8 |
| DSV06202 | 1745 | --- | --- | 96 | --- | --- | --- | 3.5 | 3.0 | 40 | 5 | 39.7 |
| SW Gospel | 1701 | --- | --- | 93 | --- | --- | --- | 5.7 | 5.2 | 37 | 7 | 40.7 |
| Hybristar | 1673 | --- | --- | 92 | --- | --- | --- | 7.8 | 5.0 | 35 | 12 | 38.7 |
| Hornet | 1624 | 4202 | 2913 | 89 | --- | --- | --- | 3.3 | 3.8 | 32 | 30 | 38.8 |
| Plainsman | 1600 | 3134 | 2367 | 88 | --- | --- | --- | 2.0 | 2.2 | 47 | 5 | 36.3 |
| SLM0402 | 1582 | --- | --- | 87 | --- | --- | --- | 4.8 | 4.7 | 39 | 13 | 39.6 |
| Ovation | 1544 | --- | --- | 85 | --- | --- | --- | 7.5 | 1.8 | 35 | 22 | 39.6 |

Table 7. Results from the 2007 National Winter Canola Variety Trial at Carbondale, IL

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | Frost Injury* | Plant Ht | Lodging | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|---------------------|--------|--------|------------|---------------|----------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (1-10) | (in.) | (%) | (%) | | |
| Baros | 1512 | --- | --- | 83 | --- | --- | --- | 4.3 | 7.2 | 35 | 17 | 40.3 | | |
| Rasmus | 1472 | 3513 | 2492 | 81 | --- | --- | --- | 4.7 | 5.0 | 40 | 15 | 39.0 | | |
| Flash | 1454 | 3461 | 2457 | 80 | --- | --- | --- | 5.2 | 5.3 | 40 | 17 | 38.7 | | |
| Viking | 1406 | --- | --- | 77 | --- | --- | --- | 6.3 | 5.3 | 31 | 22 | 37.8 | | |
| NPZ0591RR | 1362 | --- | --- | 75 | --- | --- | --- | 7.8 | 4.3 | 34 | 32 | 38.6 | | |
| Abilene | 1326 | 3353 | 2340 | 73 | --- | --- | --- | 1.2 | 4.0 | 39 | 13 | 37.8 | | |
| Kronos | 1326 | 3140 | 2233 | 73 | --- | --- | --- | 6.2 | 2.7 | 29 | 45 | 38.1 | | |
| Baldur | 1191 | 3643 | 2417 | 65 | --- | --- | --- | 3.3 | 2.2 | 35 | 22 | 39.0 | | |
| Sitro | 971 | --- | --- | 53 | --- | --- | --- | 5.5 | 7.7 | 27 | 53 | 37.5 | | |
| Satori | 915 | --- | --- | 50 | --- | --- | --- | 6.2 | 6.7 | 23 | 52 | 40.2 | | |
| SW Falstaff | 828 | --- | --- | 45 | --- | --- | --- | 6.3 | 2.3 | 27 | 53 | 40.0 | | |
| TCI.06.M2 | 349 | --- | --- | 19 | --- | --- | --- | 8.0 | 5.7 | 23 | 63 | 39.8 | | |
| Mean | 1820 | 3561 | 2690 | 100 | --- | --- | --- | 5.7 | 3.5 | 40 | 15 | 39.2 | | |
| CV (%) | 22 | 8 | --- | 22 | --- | --- | --- | 28.9 | 41.4 | 14 | 97 | 1.9 | | |
| LSD (0.05) | 649 | 447 | --- | 36 | --- | --- | --- | 2.7 | 2.3 | 9 | 24 | 1.5 | | |

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed on one being superior to the other. *Frost injury ratings equal 1 - no injury, 2 - tips of flower cluster bent, 3 - all flower clusters bent and some main stems bent, 4 - 1/4 of main stems bent, 5 - 1/2 of main stems bent, 6 - 3/4 of main stems bent with many still flowering, 7 - 1/4 of plot killed or all main stems bent, 8 - 1/2 of plot killed, 9 - 3/4 of plot killed, 10 - entire plot killed

Russellville, Kentucky

Brian Caldbeck & John Hagan, Miles Enterprises

Planted: 9/27/2006 at 4 lbs/a in 7.5-in. rows

Harvested: 7/2/2007

Herbicides:

Insecticides: Warrior 3.2 oz/a

Fungicide: Endura 6 oz/a

Fertility: 130-0-0 lbs. N-P-K fertilizer in spring

Previous Crop:

Soil Type:

Elevation: 870 ft Latitude: 38°32N

Comments: Late spring freeze delayed harvest.

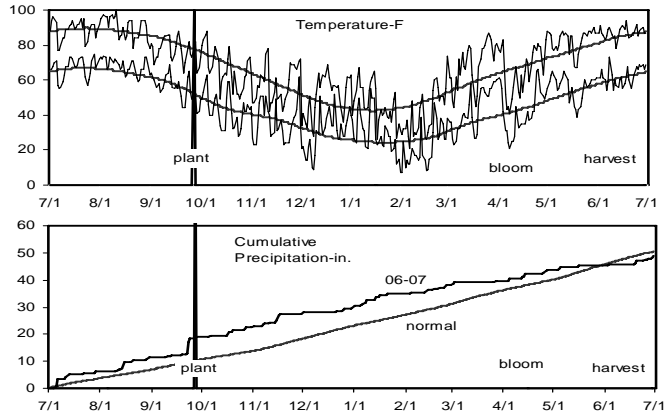


Table 8. Results from the 2007 National Winter Canola Variety Trial at Russellville, KY

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall 50% | | | | |
|-------------|---------------|------|------------|---------------------|------|------|------------|-----------|-----------|--------------|-------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | Stand (%) | Bloom (d) | Moisture (%) | Lodging (%) | Total Oil (%) |
| DSV06201 | 4100 | --- | --- | --- | --- | --- | --- | --- | --- | 5.8 | --- | 40.7 |
| Rally | 4095 | 3529 | 3812 | --- | --- | --- | --- | --- | --- | 6.0 | --- | 39.6 |
| Hornet | 3965 | 3540 | 3753 | --- | --- | --- | --- | --- | --- | 6.8 | --- | 40.9 |
| Kadore | 3885 | --- | --- | --- | --- | --- | --- | --- | --- | 6.2 | --- | 39.7 |
| Flash | 3830 | 3164 | 3497 | --- | --- | --- | --- | --- | --- | 5.6 | --- | 39.9 |
| Sitro | 3485 | --- | --- | --- | --- | --- | --- | --- | --- | 7.2 | --- | 37.6 |
| KS9135 | 3340 | 2885 | 3113 | --- | --- | --- | --- | --- | --- | 6.0 | --- | 39.2 |
| Hybristar | 3310 | --- | --- | --- | --- | --- | --- | --- | --- | 7.0 | --- | 39.7 |
| KS3254 | 3290 | 2426 | 2858 | --- | --- | --- | --- | --- | --- | 6.5 | --- | 39.7 |
| KS3132 | 3215 | --- | --- | --- | --- | --- | --- | --- | --- | 6.5 | --- | 39.7 |
| DSV06202 | 3210 | --- | --- | --- | --- | --- | --- | --- | --- | 5.7 | --- | 41.1 |
| KS3074 | 3185 | 3300 | 3243 | --- | --- | --- | --- | --- | --- | 8.6 | --- | 38.3 |
| Viking | 3160 | --- | --- | --- | --- | --- | --- | --- | --- | 5.6 | --- | 40.2 |
| Ovation | 3120 | --- | --- | --- | --- | --- | --- | --- | --- | 6.0 | --- | 41.6 |
| KS4085 | 3070 | --- | --- | --- | --- | --- | --- | --- | --- | 7.5 | --- | 39.2 |
| SW Gospel | 3065 | --- | --- | --- | --- | --- | --- | --- | --- | 5.7 | --- | 41.0 |
| Kalif | 3035 | --- | --- | --- | --- | --- | --- | --- | --- | 6.3 | --- | 42.1 |
| Wichita* | 3010 | --- | --- | --- | --- | --- | --- | --- | --- | 5.5 | --- | --- |
| KS3302 | 2970 | --- | --- | --- | --- | --- | --- | --- | --- | 6.7 | --- | 41.5 |
| KS3018 | 2960 | 1988 | 2474 | --- | --- | --- | --- | --- | --- | 7.4 | --- | 38.3 |
| KS3077 | 2960 | --- | --- | --- | --- | --- | --- | --- | --- | 5.9 | --- | 39.7 |
| SLM0402 | 2960 | --- | --- | --- | --- | --- | --- | --- | --- | 7.7 | --- | 40.9 |
| SW Falstaff | 2940 | --- | --- | --- | --- | --- | --- | --- | --- | 6.1 | --- | 40.9 |
| Wichita | 2935 | 2789 | 2862 | --- | --- | --- | --- | --- | --- | 6.7 | --- | 39.0 |
| MH 604001 | 2910 | --- | --- | --- | --- | --- | --- | --- | --- | 5.9 | --- | 40.9 |
| TCI.06.M3 | 2900 | --- | --- | --- | --- | --- | --- | --- | --- | 7.1 | --- | 40.0 |
| NPZ0404 | 2880 | --- | --- | --- | --- | --- | --- | --- | --- | 6.8 | --- | 41.1 |
| NPZ0391RR | 2865 | --- | --- | --- | --- | --- | --- | --- | --- | 7.0 | --- | 39.7 |
| TCI.06.M1 | 2845 | --- | --- | --- | --- | --- | --- | --- | --- | 5.9 | --- | 42.1 |
| KS7436 | 2820 | 2225 | 2523 | --- | --- | --- | --- | --- | --- | 6.4 | --- | 40.0 |
| Baldur | 2815 | 2185 | 2500 | --- | --- | --- | --- | --- | --- | 7.3 | --- | 38.7 |
| TCI.06.M4 | 2735 | --- | --- | --- | --- | --- | --- | --- | --- | 6.7 | --- | 40.4 |
| Jetton | 2730 | 2164 | 2447 | --- | --- | --- | --- | --- | --- | 6.9 | --- | 38.5 |
| ARC97018 | 2730 | 2072 | 2401 | --- | --- | --- | --- | --- | --- | 6.8 | --- | 39.6 |
| KS4022 | 2690 | --- | --- | --- | --- | --- | --- | --- | --- | 7.0 | --- | 39.2 |
| ARC98015 | 2690 | 2464 | 2577 | --- | --- | --- | --- | --- | --- | 9.0 | --- | 38.9 |
| Ceres | 2660 | 1693 | 2177 | --- | --- | --- | --- | --- | --- | 6.2 | --- | 39.5 |
| Rasmus | 2620 | 2501 | 2561 | --- | --- | --- | --- | --- | --- | 7.6 | --- | 38.6 |
| ARC97019 | 2620 | 2466 | 2543 | --- | --- | --- | --- | --- | --- | 8.5 | --- | 38.7 |
| Sumner | 2595 | 2632 | 2614 | --- | --- | --- | --- | --- | --- | 7.2 | --- | 40.2 |

Table 8. Results from the 2007 National Winter Canola Variety Trial at Russellville, KY

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall | | 50% | | Lodging (%) | Total Oil (%) |
|-------------------|---------------|------|------------|---------------------|---------------------|-----|-----|-----------|-----------|--------------|-----|-------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | Winter Survival (%) | | | Stand (%) | Bloom (d) | Moisture (%) | | | |
| Taurus | 2580 | --- | --- | --- | --- | --- | --- | --- | --- | 5.9 | --- | 41.9 | |
| Satori | 2565 | --- | --- | --- | --- | --- | --- | --- | --- | 5.5 | --- | 40.5 | |
| ARC98007 | 2565 | 2579 | 2572 | --- | --- | --- | --- | --- | --- | 7.4 | --- | 41.5 | |
| Trabant | 2560 | --- | --- | --- | --- | --- | --- | --- | --- | 6.8 | --- | 40.1 | |
| TCI.06.M2 | 2485 | --- | --- | --- | --- | --- | --- | --- | --- | 7.2 | --- | 42.7 | |
| Kronos | 2440 | 2817 | 2629 | --- | --- | --- | --- | --- | --- | 8.4 | --- | 37.5 | |
| Abilene | 2425 | 2335 | 2380 | --- | --- | --- | --- | --- | --- | 8.4 | --- | 38.9 | |
| Plainsman | 2420 | 2814 | 2617 | --- | --- | --- | --- | --- | --- | 8.7 | --- | 37.9 | |
| Virginia | 2415 | 2706 | 2561 | --- | --- | --- | --- | --- | --- | 10.1 | --- | 37.5 | |
| NPZ0591RR | 2370 | --- | --- | --- | --- | --- | --- | --- | --- | 6.2 | --- | 39.7 | |
| ARC2180-1 | 2335 | 1774 | 2055 | --- | --- | --- | --- | --- | --- | 10.2 | --- | 38.7 | |
| Baros | 2005 | --- | --- | --- | --- | --- | --- | --- | --- | 8.1 | --- | 40.8 | |
| Mean | 2931 | --- | --- | --- | --- | --- | --- | --- | --- | 6.9 | --- | 39.9 | |
| CV (%) | 8 | --- | --- | --- | --- | --- | --- | --- | --- | 17.5 | --- | 2.1 | |
| LSD (0.05) | 401 | --- | --- | --- | --- | --- | --- | --- | --- | 2.0 | --- | 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. *Wichita = untreated

East Lansing, Michigan

Russell Freed, Michigan State University

Planted: 9/21/2006

Harvested: 7/9/2007

Herbicides:

Insecticides:

Irrigation:

Fertility: 57-57-57 lbs. N-P-K fertilizer in fall

45-0-0 lbs. N-P-K fertilizer in spring

Previous Crop: Soybean

Soil Type: Capac loam

Elevation: 880 ft Latitude 42°30N

Comments: Bird damage severely reduced yields.

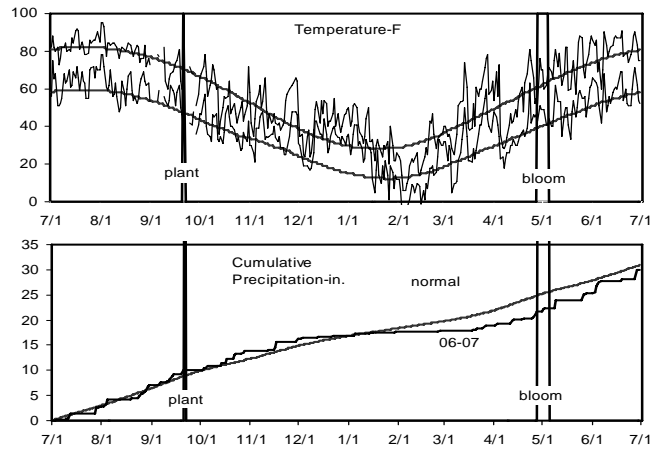


Table 9. Results from the 2007 National Winter Canola Variety Trial at East Lansing, MI

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | Fall Stand | 50% Bloom | Plant Ht | Test Weight | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------------|---------------------|-----|------------|-----------|----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (%) | (%) | (in.) | (lbs/bu) | (%) | | |
| Sitro | 1423 | --- | --- | 161 | --- | --- | --- | --- | 119 | 36 | --- | 44.5 | |
| Hybristar | 1383 | --- | --- | 156 | --- | --- | --- | --- | 119 | 37 | --- | 44.5 | |
| Flash | 1257 | 3150 | 2204 | 142 | --- | --- | --- | --- | 119 | 36 | --- | 44.5 | |
| DSV06201 | 1190 | --- | --- | 134 | --- | --- | --- | --- | 119 | 32 | --- | 45.0 | |
| Rally | 1170 | 3420 | 2295 | 132 | --- | --- | --- | --- | 119 | 38 | --- | 44.6 | |
| SLM0404 | 1110 | --- | --- | 125 | --- | --- | --- | --- | 120 | 39 | --- | 44.9 | |
| Hornet | 1032 | 3615 | 2324 | 117 | --- | --- | --- | --- | 120 | 37 | --- | 44.8 | |
| Falstaf | 1020 | --- | --- | 115 | --- | --- | --- | --- | 119 | 35 | --- | 45.5 | |
| Ceres | 1017 | 1260 | 1139 | 115 | --- | --- | --- | --- | 120 | 39 | --- | 44.3 | |
| Baldur | 1013 | 2035 | 1524 | 114 | --- | --- | --- | --- | 119 | 36 | --- | 44.3 | |
| KS4022 | 1012 | --- | --- | 114 | --- | --- | --- | --- | 120 | 34 | --- | 43.0 | |
| MH604001 | 1009 | --- | --- | 114 | --- | --- | --- | --- | 119 | 41 | --- | 44.5 | |
| Satori | 1000 | --- | --- | 113 | --- | --- | --- | --- | 120 | 37 | --- | 44.9 | |
| Ovation | 993 | --- | --- | 112 | --- | --- | --- | --- | 119 | 34 | --- | 44.9 | |
| Jetton | 983 | 2730 | 1857 | 111 | --- | --- | --- | --- | 120 | 35 | --- | 43.9 | |
| NPZ0404 | 977 | --- | --- | 110 | --- | --- | --- | --- | 121 | 36 | --- | 45.5 | |
| Kadore | 969 | --- | --- | 109 | --- | --- | --- | --- | 123 | 36 | --- | 43.3 | |
| SW Gospel | 966 | --- | --- | 109 | --- | --- | --- | --- | 119 | 36 | --- | 45.2 | |
| KS4114 | 962 | --- | --- | 109 | --- | --- | --- | --- | 121 | 42 | --- | 42.9 | |
| DSV06202 | 956 | --- | --- | 108 | --- | --- | --- | --- | 120 | 38 | --- | 44.8 | |
| Rasmus | 953 | 2495 | 1724 | 108 | --- | --- | --- | --- | 119 | 40 | --- | 43.9 | |
| Trabant | 947 | --- | --- | 107 | --- | --- | --- | --- | 118 | 38 | --- | 44.7 | |
| KS7436 | 943 | --- | --- | 107 | --- | --- | --- | --- | 119 | 35 | --- | 44.0 | |
| KS3254 | 930 | 2225 | 1578 | 105 | --- | --- | --- | --- | 121 | 38 | --- | 43.7 | |
| KS3018 | 924 | 1940 | 1432 | 104 | --- | --- | --- | --- | 120 | 40 | --- | 42.8 | |
| Baros | 923 | --- | --- | 104 | --- | --- | --- | --- | 119 | 37 | --- | 45.1 | |
| Virginia | 921 | 2350 | 1636 | 104 | --- | --- | --- | --- | 119 | 38 | --- | 43.9 | |
| NPZ0591RR | 920 | --- | --- | 104 | --- | --- | --- | --- | 121 | 35 | --- | 44.4 | |
| Viking | 908 | --- | --- | 103 | --- | --- | --- | --- | 120 | 33 | --- | 43.6 | |
| NPZ0391RR | 880 | --- | --- | 99 | --- | --- | --- | --- | 119 | 36 | --- | 43.6 | |
| KS4160 | 850 | --- | --- | 96 | --- | --- | --- | --- | 120 | 35 | --- | 44.4 | |
| Abilene | 847 | 2180 | 1514 | 96 | --- | --- | --- | --- | 121 | 33 | --- | 42.2 | |
| KS3077 | 841 | --- | --- | 95 | --- | --- | --- | --- | 121 | 33 | --- | 43.6 | |
| Kronos | 807 | --- | --- | 91 | --- | --- | --- | --- | 119 | 40 | --- | 43.9 | |
| TCI.06.M2 | 804 | --- | --- | 91 | --- | --- | --- | --- | 119 | 36 | --- | 46.6 | |
| KS3357 | 767 | --- | --- | 87 | --- | --- | --- | --- | 121 | 39 | --- | 43.8 | |
| Taurus | 741 | --- | --- | 84 | --- | --- | --- | --- | 120 | 38 | --- | 45.0 | |
| Summer | 729 | 2095 | 1412 | 82 | --- | --- | --- | --- | 119 | 33 | --- | 43.6 | |
| KS3132 | 718 | --- | --- | 81 | --- | --- | --- | --- | 120 | 39 | --- | 43.8 | |

Table 9. Results from the 2007 National Winter Canola Variety Trial at East Lansing, MI

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (%) | 50% Bloom (d) | Plant Ht (in.) | Test Weight (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|------------|---------------------|---------------------|-----|-----|----------------|---------------|----------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | Winter Survival (%) | | | | | | | |
| KS3302 | 698 | --- | --- | 79 | --- | --- | --- | --- | 119 | 35 | --- | 44.2 |
| Kalif | 689 | --- | --- | 78 | --- | --- | --- | --- | 121 | 33 | --- | 44.8 |
| KS4085 | 685 | --- | --- | 77 | --- | --- | --- | --- | 121 | 37 | --- | 43.3 |
| KS9135 | 674 | 1825 | 1250 | 76 | --- | --- | --- | --- | 121 | 34 | --- | 43.4 |
| ARC97018 | 672 | 2335 | 1504 | 76 | --- | --- | --- | --- | 120 | 35 | --- | 43.7 |
| Plainman | 628 | 2180 | 1404 | 71 | --- | --- | --- | --- | 124 | 41 | --- | 41.0 |
| KS3074 | 625 | 1875 | 1250 | 71 | --- | --- | --- | --- | 121 | 37 | --- | 43.8 |
| ARC98007 | 607 | 1705 | 1156 | 69 | --- | --- | --- | --- | 121 | 41 | --- | 43.4 |
| ARC97019 | 570 | 1985 | 1278 | 64 | --- | --- | --- | --- | 121 | 32 | --- | 43.0 |
| Wichita | 542 | 1950 | 1246 | 61 | --- | --- | --- | --- | 120 | 38 | --- | 43.0 |
| ARC2180-1 | 515 | 1910 | 1213 | 58 | --- | --- | --- | --- | 121 | 38 | --- | 43.3 |
| ARC98015 | 424 | 1440 | 932 | 48 | --- | --- | --- | --- | 119 | 34 | --- | 43.5 |
| Mean | 885 | 2226 | --- | --- | --- | --- | --- | --- | 120 | 37 | --- | 44.0 |
| CV (%) | 20 | --- | --- | --- | --- | --- | --- | --- | 9 | 13 | --- | 0.6 |
| LSD (0.05) | 291 | --- | --- | --- | --- | --- | --- | --- | 2 | 8 | --- | 0.6 |

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.

Roseau, Minnesota

Derek Crompton, Extension Regional Center,

University of Minnesota

Planted: 8/30/06 at 5 lbs/a in 6-in. rows

Harvested: 7/25/2007

Herbicides:

Previous Crop: Spring wheat

Fertility: 120-40-60 lbs. N-P-K fertilizer

Soil Type: Sandy loam

Elevation: 1060 ft

Comments: Plot experienced drought conditions in the fall and a hard winter.

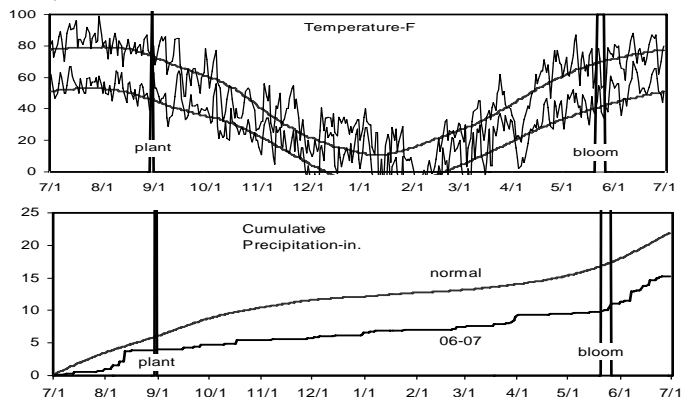


Table 10. Results of the 2007 National Winter Canola Variety Trial at Roseau, MN

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | Bloom | Plant Height | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------|---------------------|--------|-----|------------|-------|--------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (d) | (in.) | (%) | | |
| Taurus | 1374 | --- | --- | 147 | 67 | --- | --- | 2.7 | 143 | 45 | 38.9 | | |
| Jetton | 1366 | --- | --- | 147 | 53 | --- | --- | 6.0 | 143 | 47 | 39.4 | | |
| KS9135 | 1336 | --- | --- | 143 | 80 | --- | --- | 5.0 | 144 | 49 | 35.4 | | |
| KS3132 | 1327 | --- | --- | 142 | 33 | --- | --- | 4.7 | 144 | 49 | 36.4 | | |
| SLM0402 | 1310 | --- | --- | 141 | 70 | --- | --- | 1.7 | 143 | 44 | 40.0 | | |
| KS3018 | 1262 | --- | --- | 135 | 60 | --- | --- | 7.7 | 142 | 44 | 37.3 | | |
| KS3077 | 1248 | --- | --- | 134 | 72 | --- | --- | 4.3 | 143 | 47 | 34.4 | | |
| Kadore | 1221 | --- | --- | 131 | 72 | --- | --- | 2.7 | 143 | 44 | 36.1 | | |
| Hybristar | 1210 | --- | --- | 130 | 85 | --- | --- | 5.3 | 143 | 41 | 39.1 | | |
| Trabant | 1178 | --- | --- | 126 | 53 | --- | --- | 4.3 | 143 | 39 | 39.2 | | |
| Ceres | 1175 | --- | --- | 126 | 68 | --- | --- | 6.7 | 143 | 49 | 38.3 | | |
| Ovation | 1139 | --- | --- | 122 | 63 | --- | --- | 4.3 | 142 | 49 | 38.8 | | |
| NPZ0404 | 1109 | --- | --- | 119 | 78 | --- | --- | 3.3 | --- | 44 | 42.6 | | |
| KS4085 | 1077 | --- | --- | 116 | 38 | --- | --- | 5.3 | 144 | 43 | 35.6 | | |
| Sumner | 1012 | --- | --- | 109 | 80 | --- | --- | 5.7 | 143 | 43 | 38.2 | | |
| KS3017 | 996 | --- | --- | 107 | 67 | --- | --- | 3.0 | 144 | 49 | 37.5 | | |
| KS3248 | 994 | --- | --- | 107 | 70 | --- | --- | 3.0 | 142 | 49 | 37.7 | | |
| Baros | 988 | --- | --- | 106 | 62 | --- | --- | 3.7 | 144 | 39 | 38.5 | | |
| KS3068 | 985 | --- | --- | 106 | 70 | --- | --- | 4.7 | 145 | 48 | 35.0 | | |
| Abilene | 974 | --- | --- | 105 | 33 | --- | --- | 7.3 | 143 | 41 | 37.5 | | |
| KS4022 | 957 | --- | --- | 103 | 47 | --- | --- | 4.3 | 143 | 46 | 35.8 | | |
| Kronos | 949 | --- | --- | 102 | 43 | --- | --- | 1.7 | 143 | 47 | 35.7 | | |
| KS3302 | 912 | --- | --- | 98 | 37 | --- | --- | 4.0 | 144 | 39 | 36.5 | | |
| KS3074 | 902 | --- | --- | 97 | 82 | --- | --- | 2.0 | 144 | 43 | 35.3 | | |
| KS4160 | 898 | --- | --- | 96 | 77 | --- | --- | 3.0 | 143 | 43 | 32.4 | | |
| KS3357 | 875 | --- | --- | 94 | 80 | --- | --- | 1.7 | 144 | 48 | 32.3 | | |
| Baldur | 871 | --- | --- | 93 | 62 | --- | --- | 5.0 | 141 | 51 | 37.7 | | |
| KS2002 | 870 | --- | --- | 93 | 47 | --- | --- | 4.3 | 144 | 43 | 37.2 | | |
| Casino | 866 | --- | --- | 93 | 72 | --- | --- | 4.0 | 141 | 49 | 37.0 | | |
| Wichita | 861 | --- | --- | 92 | 73 | --- | --- | 3.0 | 143 | 39 | 38.1 | | |
| KS3073 | 852 | --- | --- | 91 | 73 | --- | --- | 6.3 | 143 | 45 | 39.9 | | |
| KS3254 | 845 | --- | --- | 91 | 40 | --- | --- | 4.7 | 145 | 49 | 37.4 | | |
| KS4322 | 845 | --- | --- | 91 | 70 | --- | --- | 4.3 | 144 | 47 | 35.6 | | |
| KS7436 | 823 | --- | --- | 88 | 60 | --- | --- | 4.3 | 143 | 47 | 35.2 | | |
| Virginia | 822 | --- | --- | 88 | 62 | --- | --- | 4.0 | 144 | 39 | 37.0 | | |
| ARC98015 | 797 | --- | --- | 85 | 55 | --- | --- | 3.3 | 143 | 45 | 37.9 | | |
| X01W692C | 792 | --- | --- | 85 | 57 | --- | --- | 4.7 | 142 | 42 | 38.4 | | |
| Satori | 788 | --- | --- | 85 | 73 | --- | --- | 3.7 | 143 | 41 | 37.7 | | |
| KS4114 | 786 | --- | --- | 84 | 55 | --- | --- | 3.3 | 143 | 43 | 35.5 | | |
| ARC97018 | 756 | --- | --- | 81 | 65 | --- | --- | 1.3 | 143 | 40 | 37.1 | | |

Table 10. Results of the 2007 National Winter Canola Variety Trial at Roseau, MN

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | Bloom | Plant | Total Oil |
|-------------------|---------------|------|------------|------------|---------------------|------|------------|--------------|-------|--------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | test avg | 2007 | 2006 | 2-Yr. Avg. | Stand (0-10) | (d) | Height (in.) | (%) |
| ARC98007 | 744 | --- | --- | 80 | 67 | --- | --- | 2.3 | 143 | 49 | 34.0 |
| X02W534C | 724 | --- | --- | 78 | 65 | --- | --- | 4.7 | 143 | 43 | 39.1 |
| ARC2180-1 | 721 | --- | --- | 77 | 62 | --- | --- | 3.7 | 143 | 43 | 34.6 |
| ARC97019 | 705 | --- | --- | 76 | 70 | --- | --- | 4.3 | 142 | 46 | 36.1 |
| Rasmus | 621 | --- | --- | 67 | 63 | --- | --- | 4.0 | 144 | 41 | 37.1 |
| MH604001 | 598 | --- | --- | 64 | 23 | --- | --- | 5.0 | 145 | 44 | 36.7 |
| Kalif | 596 | --- | --- | 64 | 53 | --- | --- | 5.0 | 142 | 38 | 34.0 |
| X01W522C | 591 | --- | --- | 63 | 45 | --- | --- | 3.0 | 144 | 41 | 34.9 |
| Viking | 497 | --- | --- | 53 | 53 | --- | --- | 5.0 | 141 | 41 | 39.3 |
| Plainsman | 479 | --- | --- | 51 | 80 | --- | --- | 2.0 | 143 | 52 | 34.5 |
| Mean | 932 | --- | --- | --- | 62 | --- | --- | 4.1 | 143 | 44 | 36.9 |
| CV (%) | 38 | --- | --- | --- | 40 | --- | --- | 54.8 | 1 | 8 | 7.3 |
| LSD (0.05) | NS | --- | --- | --- | NS | --- | --- | NS | NS | 5 | NS |

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

Fremont, Ohio

Edwin Lentz, The Ohio State University

Planted: 9/11/2006 at 6.7 lbs/a in 7-in. rows

Harvested: 7/11/2007

Herbicides: None

Previous Crop: Wheat

Soil test: P=68 ppm, K=192 ppm, pH=6.6

Fertility: 27-69-90 lbs. N-P-K fertilizer in fall

Soil Type: Hoytville silty clay loam

Elevation:

Comments: Chisel plowed, disk/packed, cultivated, cultivated/packed, and cultipacked after planting

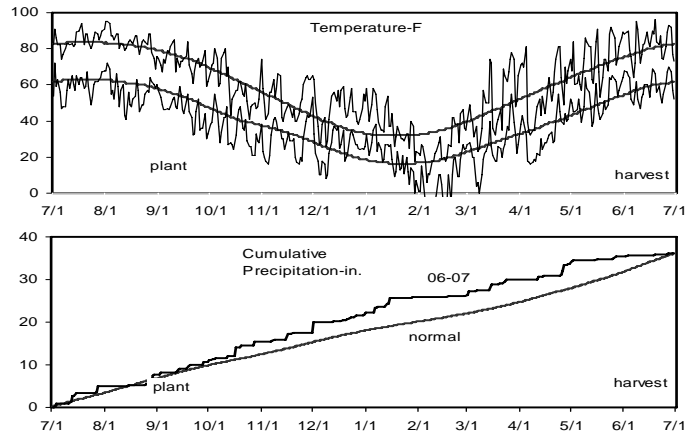


Table 11. Results of the 2007 National Winter Canola Variety Trial at Fremont, OH

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | Fall Stand | Bloom | Plant Height | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|---------------------|-----|------------|-------|--------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (in.) | (%) | |
| Rally | 2947 | 3086 | 3017 | 156 | 87 | 100 | 94 | 82 | 121 | 36 | 40.4 | |
| Hornet | 2785 | 3194 | 2989 | 148 | 85 | 100 | 93 | 77 | 121 | 39 | 39.6 | |
| Sitro | 2373 | --- | --- | 126 | 78 | --- | --- | 71 | 122 | 33 | 41.1 | |
| DSV06202* | 2306 | --- | --- | 122 | 90 | --- | --- | 87 | 116 | 35 | 40.0 | |
| SLM0402 | 2292 | --- | --- | 122 | 82 | --- | --- | 77 | 117 | 33 | 41.2 | |
| Flash | 2273 | 2958 | 2615 | 121 | 82 | 100 | 91 | 80 | 123 | 35 | 40.2 | |
| NPZ0404* | 2151 | --- | --- | 114 | 82 | --- | --- | 80 | 115 | 33 | 41.2 | |
| SW Gospel | 2100 | --- | --- | 111 | 76 | --- | --- | 73 | 120 | 29 | 41.4 | |
| Kadore | 2075 | --- | --- | 110 | 86 | --- | --- | 77 | 122 | 35 | 39.8 | |
| Virginia | 2036 | --- | --- | 108 | 80 | --- | --- | 74 | 122 | 30 | 40.3 | |
| NPZ0391RR | 2015 | --- | --- | 107 | 80 | --- | --- | 76 | 121 | 35 | 40.2 | |
| DSV06201* | 2014 | --- | --- | 107 | 79 | --- | --- | 82 | 122 | 34 | 39.8 | |
| Wichita | 2002 | --- | --- | 106 | 80 | --- | --- | 73 | 120 | 36 | 41.1 | |
| Kronos | 1952 | 2515 | 2233 | 104 | 85 | 100 | 92 | 84 | 120 | 39 | 38.6 | |
| MH604001* | 1942 | --- | --- | 103 | 77 | --- | --- | 75 | 120 | 35 | 40.5 | |
| Ceres* | 1941 | 1719 | 1830 | 103 | 63 | 100 | 82 | 77 | 121 | 33 | 39.5 | |
| Kalif* | 1907 | --- | --- | 101 | 74 | --- | --- | 82 | 121 | 29 | 41.6 | |
| Hybristar* | 1906 | --- | --- | 101 | 69 | --- | --- | 80 | 121 | 31 | 39.7 | |
| Ovation* | 1892 | --- | --- | 100 | 84 | --- | --- | 82 | 123 | 29 | 41.6 | |
| SW Falstaff | 1865 | --- | --- | 99 | 80 | --- | --- | 69 | 126 | 32 | 39.9 | |
| Baldur | 1828 | 2403 | 2116 | 97 | 77 | 100 | 89 | 74 | 117 | 35 | 40.5 | |
| Satori | 1778 | --- | --- | 94 | 84 | --- | --- | 76 | 122 | 30 | 41.8 | |
| KS3018* | 1762 | 2226 | 1994 | 94 | 72 | 100 | 86 | 72 | 121 | 38 | 39.8 | |
| KS9135 | 1730 | 2091 | 1911 | 92 | 81 | 100 | 90 | 73 | 125 | 34 | 40.9 | |
| KS3074 | 1727 | 2083 | 1905 | 92 | 76 | 100 | 88 | 75 | 123 | 37 | 39.9 | |
| KS3302 | 1701 | --- | --- | 90 | 78 | --- | --- | 75 | 120 | 34 | 40.6 | |
| Trabant* | 1662 | --- | --- | 88 | 59 | --- | --- | 71 | 121 | 31 | 39.8 | |
| KS3077* | 1661 | --- | --- | 88 | 81 | --- | --- | 67 | 125 | 32 | 39.3 | |
| Baros* | 1653 | --- | --- | 88 | 62 | --- | --- | 75 | 119 | 30 | 40.9 | |
| NPZ0591RR | 1508 | --- | --- | 80 | 72 | --- | --- | 72 | 122 | 35 | 40.0 | |
| Taurus | 1495 | --- | --- | 79 | 85 | --- | --- | 78 | 121 | 34 | 39.4 | |
| Plainsman* | 1457 | 2141 | 1799 | 77 | 68 | 100 | 84 | 79 | 122 | 34 | 40.2 | |
| Sumner* | 1379 | 1995 | 1687 | 73 | 58 | 100 | 79 | 68 | 121 | 33 | 39.4 | |
| Abilene* | 1141 | 2219 | 1680 | 61 | 56 | 100 | 78 | 68 | 122 | 31 | 39.9 | |
| Viking* | 1135 | --- | --- | 60 | 57 | --- | --- | 74 | 121 | 27 | 39.6 | |
| TCI.06.M2* | 1095 | --- | --- | 58 | 67 | --- | --- | 76 | 124 | 30 | 41.6 | |
| Mean | 1884 | 2358 | 2121 | 100 | 76 | 100 | 88 | 76 | 121 | 33 | 40.3 | |
| LSD (0.05) | 642 | 354 | --- | 34 | NS | NS | --- | NS | 3 | 5 | 2.5 | |
| CV (%) | 21 | 9.2 | --- | 21 | 21 | 0.5 | --- | 10 | 2 | 9 | 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.

*One rep missing or adversely affected by excessive rainfall.

Rock Springs, Pennsylvania

Greg Roth & Mary Carol Frier, Pennsylvania State University

Planted: 9/20/2006 at 5.5 lbs/a in 7-in. rows

Harvested: 7/1/2007

Herbicides: Treflan

Insecticides:

Irrigation:

Fertility: 120-15-15-21 lbs. N-P-K-S fertilizer in fall

Previous Crop: Oats

Soil Type: Hagerstown/Murrill silt loam

Elevation: 1219 ft Latitude: 40°42N

Comments: Plots were moderately to severely affected by freeze on 4/7; recovery was good.

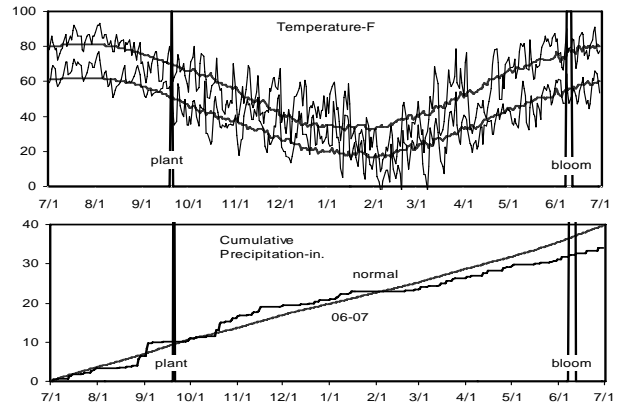


Table 12. Results from the 2007 National Winter Canola Variety Trial at Rock Springs, PA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (%) | Blo om (d) | Matur ity (d) | Plant Ht (in.) | Lodg ing (%) | Shat ter (%) | Test Wt (lbs/bu) | Total Oil (%) |
|-------------|---------------|------|-------|---------------------|------|-------|---------------------|----------------|------------|---------------|----------------|--------------|--------------|------------------|---------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2006 | 2-Yr. | Winter Survival (%) | | | | | | | | |
| Baldur | 3158 | --- | --- | 141 | 80 | --- | --- | 73 | 128 | 178 | 46 | 0 | 3 | 50.7 | 50.7 |
| NPZ0404 | 3057 | --- | --- | 136 | 93 | --- | --- | 92 | 128 | 178 | 44 | 0 | 0 | 50.8 | 50.8 |
| KS3254 | 2877 | --- | --- | 128 | 73 | --- | --- | 78 | 131 | 177 | 47 | 0 | 3 | 51.0 | 51.0 |
| Flash | 2801 | --- | --- | 125 | 78 | --- | --- | 68 | 130 | 179 | 47 | 0 | 3 | 51.0 | 51.0 |
| KS4022 | 2748 | --- | --- | 122 | 80 | --- | --- | 83 | 130 | 176 | 44 | 0 | 3 | 49.7 | 49.7 |
| KS3074 | 2710 | --- | --- | 121 | 87 | --- | --- | 87 | 130 | 179 | 45 | 0 | 2 | 50.7 | 50.7 |
| Kadore | 2696 | --- | --- | 120 | 90 | --- | --- | 81 | 131 | 180 | 43 | 0 | 3 | 48.6 | 48.6 |
| DSV06201 | 2693 | --- | --- | 120 | 88 | --- | --- | 78 | 130 | 177 | 47 | 0 | 0 | 48.6 | 48.6 |
| KS4085 | 2671 | --- | --- | 119 | 78 | --- | --- | 83 | 130 | 177 | 45 | 0 | 3 | 48.7 | 48.7 |
| SLM0402 | 2619 | --- | --- | 117 | 68 | --- | --- | 67 | 129 | 179 | 45 | 0 | 0 | 50.0 | 50.0 |
| NPZ0591RR | 2603 | --- | --- | 116 | 76 | --- | --- | 70 | 128 | 178 | 43 | 0 | 2 | 47.9 | 47.9 |
| Rally | 2594 | --- | --- | 116 | 78 | --- | --- | 70 | 129 | 179 | 44 | 0 | 2 | 50.6 | 50.6 |
| NPZ0391RR | 2546 | --- | --- | 113 | 70 | --- | --- | 75 | 129 | 177 | 42 | 0 | 0 | 50.7 | 50.7 |
| Hornet | 2516 | --- | --- | 112 | 83 | --- | --- | 80 | 128 | 176 | 46 | 0 | 3 | 50.7 | 50.7 |
| Jetton | 2509 | --- | --- | 112 | 73 | --- | --- | 73 | 129 | 178 | 41 | 0 | 3 | 49.6 | 49.6 |
| DSV06202 | 2506 | --- | --- | 112 | 78 | --- | --- | 67 | 129 | 178 | 41 | 0 | 0 | 50.6 | 50.6 |
| Wichita | 2479 | --- | --- | 110 | 63 | --- | --- | 73 | 129 | 178 | 43 | 0 | 2 | 50.3 | 50.3 |
| Kronos | 2453 | --- | --- | 109 | 70 | --- | --- | 62 | 130 | 178 | 48 | 0 | 3 | 51.8 | 51.8 |
| Ovation | 2408 | --- | --- | 107 | 73 | --- | --- | 77 | 130 | 178 | 42 | 0 | 2 | 52.2 | 52.2 |
| KS4160 | 2401 | --- | --- | 107 | 80 | --- | --- | 77 | 129 | 178 | 42 | 0 | 2 | 49.4 | 49.4 |
| SW Falstaff | 2392 | --- | --- | 107 | 83 | --- | --- | 68 | 130 | 180 | 45 | 0 | 2 | 48.5 | 48.5 |
| Ceres | 2386 | --- | --- | 106 | 73 | --- | --- | 80 | 130 | 177 | 46 | 0 | 2 | 51.3 | 51.3 |
| Satori | 2371 | --- | --- | 106 | 78 | --- | --- | 77 | 128 | 177 | 40 | 0 | 2 | 49.9 | 49.9 |
| MH604001 | 2340 | --- | --- | 104 | 73 | --- | --- | 63 | 128 | 177 | 44 | 0 | 2 | 50.1 | 50.1 |
| KS3132 | 2309 | --- | --- | 103 | 70 | --- | --- | 77 | 130 | 178 | 44 | 0 | 3 | 50.5 | 50.5 |
| KS9135 | 2307 | --- | --- | 103 | 83 | --- | --- | 77 | 131 | 179 | 44 | 0 | 2 | 50.8 | 50.8 |
| KS3018 | 2294 | --- | --- | 102 | 73 | --- | --- | 75 | 129 | 178 | 44 | 0 | 2 | 50.5 | 50.5 |
| KS7436 | 2290 | --- | --- | 102 | 72 | --- | --- | 78 | 130 | 176 | 45 | 0 | 0 | 50.8 | 50.8 |
| Rasmus | 2278 | --- | --- | 101 | 70 | --- | --- | 75 | 129 | 178 | 44 | 0 | 2 | 49.8 | 49.8 |
| ARC97019 | 2267 | --- | --- | 101 | 80 | --- | --- | 53 | 130 | 178 | 46 | 0 | 2 | 50.6 | 50.6 |
| KS3077 | 2240 | --- | --- | 100 | 73 | --- | --- | 80 | 130 | 177 | 44 | 0 | 2 | 51.1 | 51.1 |
| TCI.06.M2 | 2232 | --- | --- | 99 | 75 | --- | --- | 77 | 130 | 179 | 42 | 0 | 0 | 48.7 | 48.7 |
| KS3357 | 2224 | --- | --- | 99 | 77 | --- | --- | 77 | 129 | 177 | 45 | 0 | 2 | 50.9 | 50.9 |
| KS4114 | 2204 | --- | --- | 98 | 77 | --- | --- | 72 | 129 | 179 | 43 | 0 | 3 | 51.8 | 51.8 |
| Sumner | 2167 | --- | --- | 97 | 82 | --- | --- | 83 | 129 | 176 | 42 | 0 | 0 | 51.0 | 51.0 |
| Virginia | 2155 | --- | --- | 96 | 88 | --- | --- | 72 | 129 | 176 | 39 | 0 | 0 | 48.6 | 48.6 |
| SW Gospel | 2135 | --- | --- | 95 | 60 | --- | --- | 83 | 128 | 178 | 36 | 0 | 3 | 50.0 | 50.0 |
| Abilene | 2133 | --- | --- | 95 | 82 | --- | --- | 61 | 129 | 175 | 42 | 0 | 0 | 54.0 | 54.0 |
| KS3302 | 2028 | --- | --- | 90 | 80 | --- | --- | 63 | 129 | 177 | 43 | 0 | 2 | 50.2 | 50.2 |
| ARC97018 | 2016 | --- | --- | 90 | 67 | --- | --- | 60 | 129 | 177 | 44 | 0 | 2 | 49.6 | 49.6 |

Table 12. Results from the 2007 National Winter Canola Variety Trial at Rock Springs, PA

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (%) | Blo om (d) | Matur ity (d) | Plant Ht (in.) | Lodg ing (%) | Shat ter (%) | Test Wt (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|-------|---------------------|-----------|------|-------|----------------|------------|---------------|----------------|--------------|--------------|------------------|---------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | | | | | | | | |
| Trabant | 1693 | --- | --- | 75 | 60 | --- | --- | 77 | 129 | 177 | 41 | 0 | 3 | 50.4 | 50.4 |
| Viking | 1651 | --- | --- | 74 | 53 | --- | --- | 73 | 129 | 176 | 40 | 0 | 2 | 50.5 | 50.5 |
| ARC98007 | 1618 | --- | --- | 72 | 60 | --- | --- | 70 | 131 | 177 | 45 | 0 | 2 | 50.5 | 50.5 |
| Hybristar | 1607 | --- | --- | 72 | 53 | --- | --- | 75 | 131 | 178 | 41 | 0 | 0 | 49.5 | 49.5 |
| Taurus | 1579 | --- | --- | 70 | 57 | --- | --- | 60 | 129 | 179 | 41 | 0 | 3 | 50.4 | 50.4 |
| ARC2180-1 | 1560 | --- | --- | 69 | 77 | --- | --- | 45 | 129 | 178 | 43 | 0 | 3 | 50.1 | 50.1 |
| Baros | 1535 | --- | --- | 68 | 47 | --- | --- | 65 | 129 | 179 | 40 | 0 | 3 | 50.2 | 50.2 |
| ARC98015 | 1492 | --- | --- | 66 | 63 | --- | --- | 63 | 131 | 177 | 45 | 0 | 2 | 49.5 | 49.5 |
| Kalif | 1477 | --- | --- | 66 | 43 | --- | --- | 77 | 131 | 179 | 38 | 0 | 2 | 49.9 | 49.9 |
| Plainsman | 1436 | --- | --- | 64 | 70 | --- | --- | 62 | 131 | 180 | 43 | 0 | 3 | 48.5 | 48.5 |
| Sitro | 1257 | --- | --- | 56 | 70 | --- | --- | 63 | 130 | 177 | 43 | 0 | 0 | 51.0 | 51.0 |
| Mean | 2245 | --- | --- | --- | 73 | --- | --- | 7 | 129 | 178 | 43 | 0 | 2 | 50.2 | 50.2 |
| CV (%) | 26 | --- | --- | --- | 18 | --- | --- | 16 | 12 | 3 | 5.4 | 0 | 130 | 3 | 3 |
| LSD (0.05) | 930 | --- | --- | --- | 22 | --- | --- | 19 | 2 | 2 | 3.8 | 0 | 4 | 2.4 | 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.

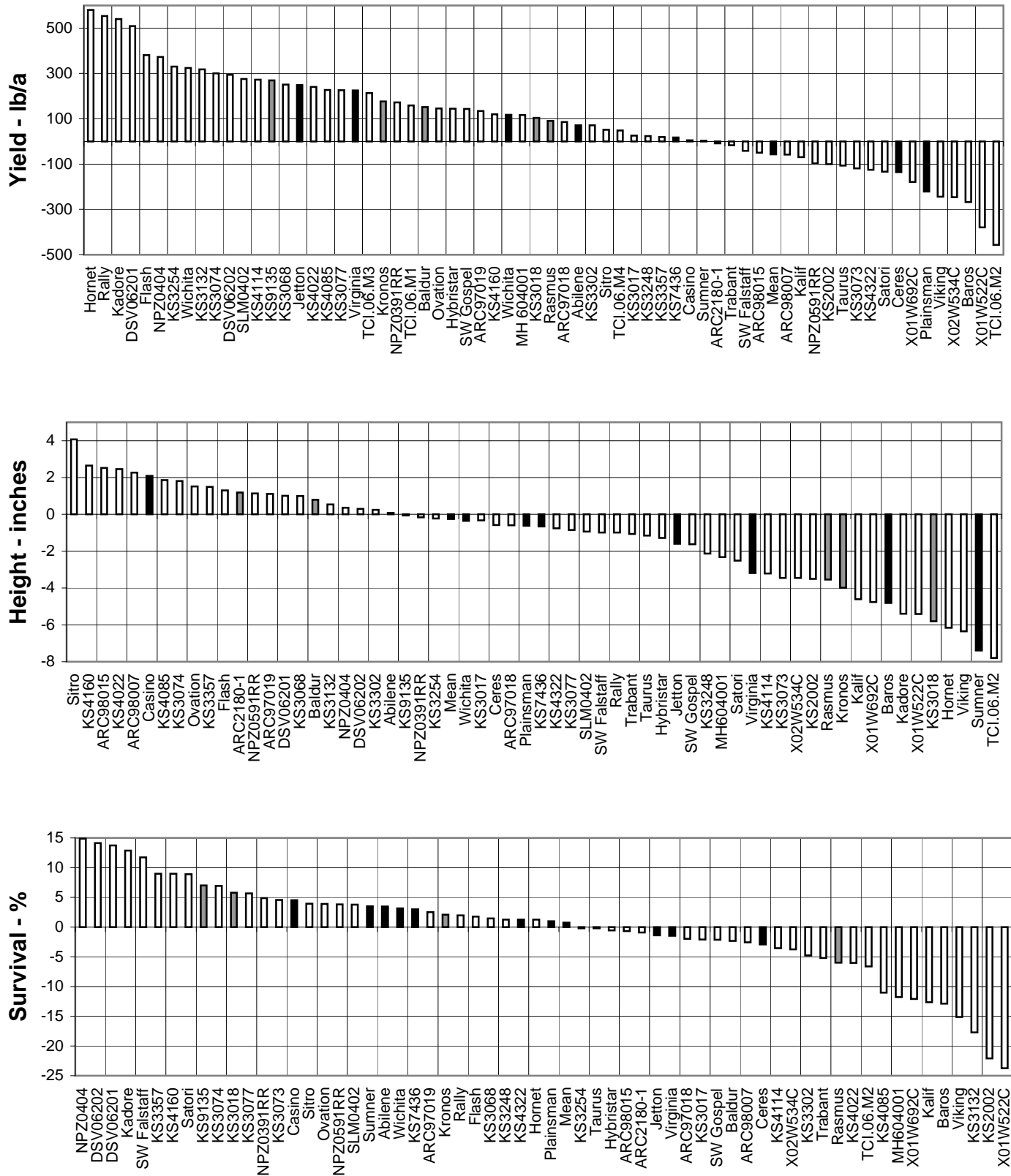
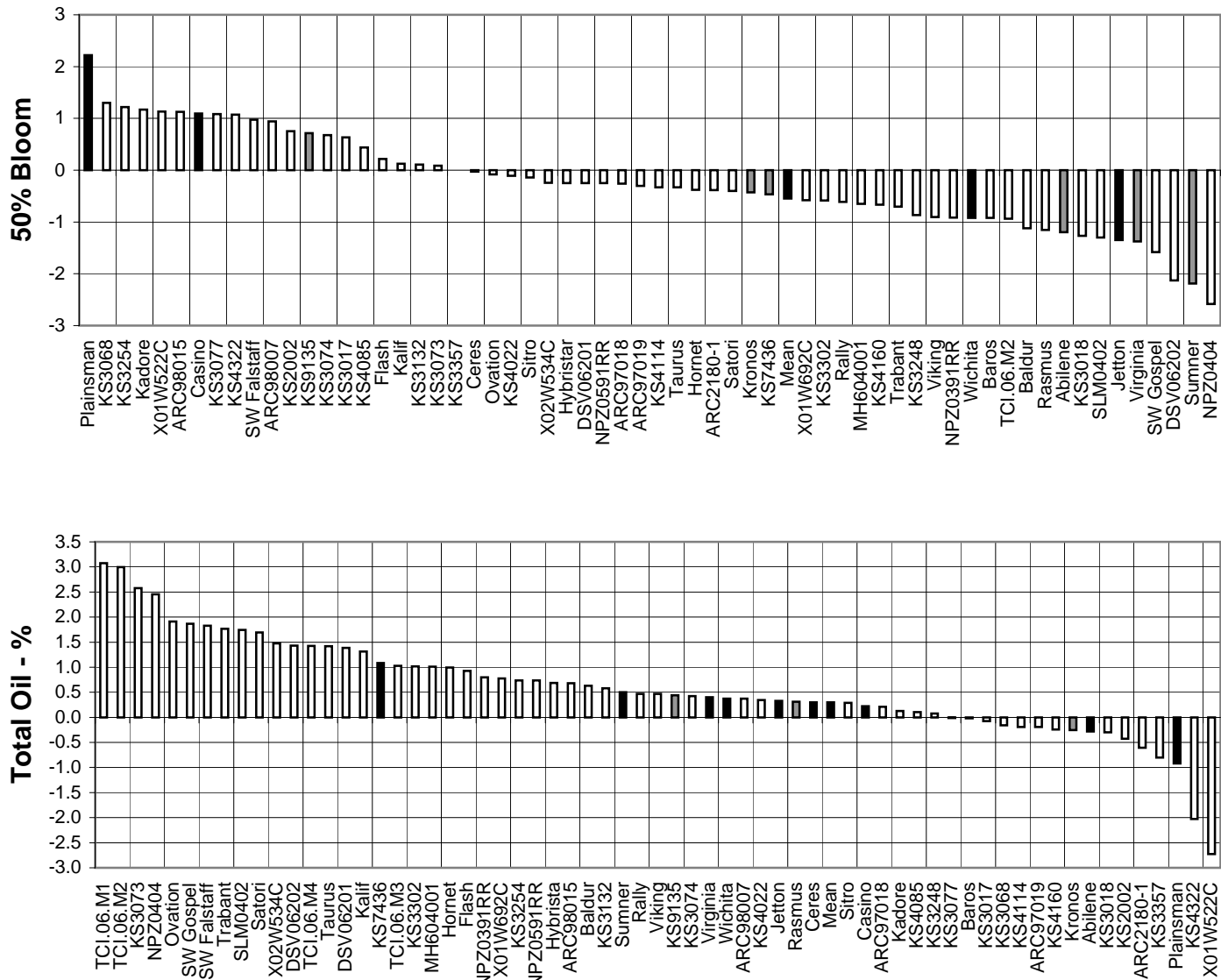


Figure 2. Midwest Winter Canola Summary, 1996-2007.



Note: Values are averages of the differences between each cultivar and the mean of Ceres, Jetton, Plainsman, and Wichita for yield (lbs/a), winter survival (%), plant height (inches), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (as shown at right).

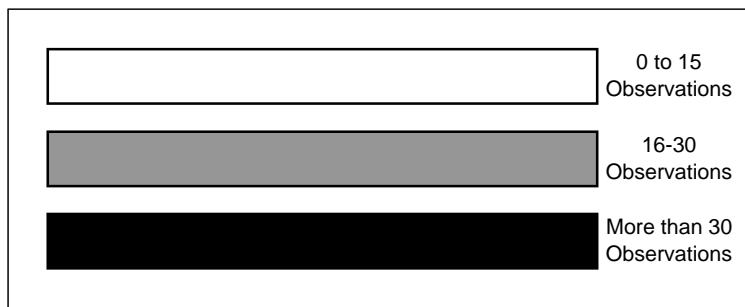


Figure 2. Midwest Winter Canola Summary, 1996-2007 (continued).

Fruita, Colorado

Calvin Pearson, Western Colorado Research Center,
Colorado State University

Planted: 9/12/2006

Harvested: 7/30/2007

Herbicides:

Insecticides:

Irrigation:

Fertility:

Soil Type: Youngston clay loam

Elevation: 4624 ft Latitude: 39°10.795N

Comments:

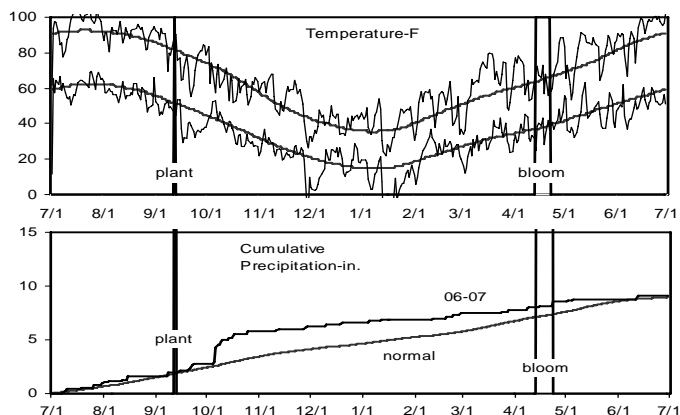


Table 13. Results from the 2007 National Winter Canola Variety Trial at Fruita, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | 50% Bloom | Lodg ing | Shat ter | Moist ure | Test Wt | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------|---------------------|--------|-----|------------|-----------|----------|----------|-----------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (d) | (%) | (%) | (%) | (lbs/bu) | (%) | | |
| SLM0402 | 3621 | --- | --- | 155 | --- | --- | --- | 9.7 | 107 | 43 | 27 | 8.7 | 49.6 | 42.1 | | |
| X01W692C | 3336 | --- | --- | 143 | --- | --- | --- | 9.3 | 108 | 65 | 10 | 9.7 | 50.4 | 39.5 | | |
| Satori | 3251 | --- | --- | 139 | --- | --- | --- | 9.8 | 109 | 73 | 12 | 14.5 | 48.6 | 41.0 | | |
| Flash | 3213 | 1925 | 2569 | 137 | --- | 100 | --- | 9.2 | 110 | 80 | 10 | 10.2 | 49.9 | 38.6 | | |
| Hornet | 3115 | 2265 | 2690 | 133 | --- | 100 | --- | 9.7 | 107 | 48 | 10 | 7.6 | 50.0 | 42.2 | | |
| Baldur | 3112 | 2033 | 2572 | 133 | --- | 100 | --- | 9.5 | 108 | 30 | 13 | 9.5 | 50.5 | 41.5 | | |
| Rally | 3083 | 2556 | 2819 | 132 | --- | 100 | --- | 10.0 | 110 | 82 | 10 | 10.1 | 49.9 | 41.0 | | |
| NPZ0404 | 3004 | --- | --- | 128 | --- | --- | --- | 9.2 | 109 | 67 | 13 | 9.0 | 51.2 | 40.6 | | |
| Hybristar | 2937 | --- | --- | 126 | --- | --- | --- | 10.0 | 106 | 77 | 10 | 8.4 | 49.8 | 41.9 | | |
| Sitro | 2908 | --- | --- | 124 | --- | --- | --- | 9.7 | 109 | 83 | 7 | 10.6 | 50.6 | 40.6 | | |
| DSV06201 | 2901 | --- | --- | 124 | --- | --- | --- | 10.0 | 110 | 88 | 13 | 10.2 | 49.9 | 39.2 | | |
| DSV06202 | 2741 | --- | --- | 117 | --- | --- | --- | 9.8 | 107 | 57 | 38 | 10.7 | 49.7 | 42.6 | | |
| KS3132 | 2610 | --- | --- | 112 | --- | --- | --- | 9.8 | 109 | 88 | 10 | 8.5 | 49.1 | 39.3 | | |
| SW Gospel | 2609 | --- | --- | 112 | --- | --- | --- | 10.0 | 109 | 70 | 12 | 14.3 | 48.9 | 38.5 | | |
| Ovation | 2602 | --- | --- | 111 | --- | --- | --- | 10.0 | 112 | 80 | 10 | 14.5 | 49.2 | 40.4 | | |
| MH 604001 | 2554 | --- | --- | 109 | --- | --- | --- | 9.3 | 108 | 75 | 30 | 9.0 | 50.3 | 39.4 | | |
| Rasmus | 2552 | 1912 | 2232 | 109 | --- | 100 | --- | 8.0 | 106 | 50 | 13 | 9.2 | 48.9 | 39.9 | | |
| ARC97018 | 2541 | 2164 | 2352 | 109 | --- | 100 | --- | 9.0 | 108 | 62 | 18 | 11.2 | 49.8 | 39.3 | | |
| KS4022 | 2487 | --- | --- | 106 | --- | --- | --- | 7.7 | 109 | 55 | 12 | 9.6 | 49.4 | 40.2 | | |
| TCI.06.M3 | 2480 | --- | --- | 106 | --- | --- | --- | 10.0 | 104 | 77 | 13 | 8.7 | 50.9 | 40.9 | | |
| Summer | 2460 | 1684 | 2072 | 105 | --- | 100 | --- | 8.7 | 105 | 63 | 10 | 11.7 | 50.4 | 39.4 | | |
| Taurus | 2456 | --- | --- | 105 | --- | --- | --- | 9.3 | 107 | 67 | 10 | 9.3 | 50.5 | 39.8 | | |
| ARC97019 | 2426 | 1686 | 2056 | 104 | --- | 100 | --- | 9.0 | 108 | 73 | 15 | 12.1 | 49.2 | 38.6 | | |
| TCI.06.M2 | 2337 | --- | --- | 100 | --- | --- | --- | 9.7 | 112 | 60 | 17 | 10.6 | 49.5 | 44.1 | | |
| X01W522C | 2322 | --- | --- | 99 | --- | --- | --- | 9.8 | 107 | 63 | 15 | 13.3 | 49.4 | 38.2 | | |
| KS3018 | 2316 | 1704 | 2010 | 99 | --- | 100 | --- | 9.8 | 106 | 75 | 13 | 11.6 | 50.2 | 38.5 | | |
| Kadore | 2307 | --- | --- | 99 | --- | --- | --- | 8.8 | 112 | 88 | 12 | 10.8 | 50.4 | 38.3 | | |
| KS3074 | 2282 | 1887 | 2084 | 98 | --- | 100 | --- | 9.5 | 110 | 33 | 48 | 11.2 | 49.9 | 41.8 | | |
| Kalif | 2277 | --- | --- | 97 | --- | --- | --- | 10.0 | 110 | 48 | 12 | 7.4 | 50.3 | 42.6 | | |
| Kronos | 2276 | 2521 | 2398 | 97 | --- | 93 | --- | 10.0 | 110 | 77 | 13 | 10.7 | 50.0 | 41.2 | | |
| X02W534C | 2263 | --- | --- | 97 | --- | --- | --- | 10.0 | 109 | 40 | 17 | 8.9 | 50.0 | 40.3 | | |
| Trabant | 2235 | --- | --- | 96 | --- | --- | --- | 9.0 | 106 | 40 | 13 | 8.6 | 50.5 | 40.1 | | |
| KS4085 | 2231 | --- | --- | 95 | --- | --- | --- | 10.0 | 108 | 82 | 12 | 12.7 | 49.0 | 38.0 | | |
| Jetton | 2218 | 1426 | 1822 | 95 | --- | 100 | --- | 9.0 | 108 | 45 | 23 | 13.7 | 48.8 | 40.9 | | |
| Virginia | 2211 | 1564 | 1888 | 95 | --- | 100 | --- | 10.0 | 109 | 97 | 10 | 13.4 | 48.1 | 38.0 | | |
| DKW13-86 | 2204 | 1437 | 1821 | 94 | --- | 97 | --- | 8.0 | 111 | 53 | 13 | 10.7 | 50.4 | 38.2 | | |
| TCI.06.M4 | 2193 | --- | --- | 94 | --- | --- | --- | 8.7 | 105 | 83 | 10 | 9.5 | 49.4 | 38.6 | | |
| Abilene | 2187 | 2117 | 2152 | 94 | --- | 100 | --- | 8.8 | 108 | 85 | 13 | 12.2 | 50.3 | 38.0 | | |
| Wichita | 2170 | 1828 | 1999 | 93 | --- | 100 | --- | 10.0 | 106 | 70 | 10 | 8.6 | 51.8 | 38.1 | | |
| KS9135 | 2163 | 1753 | 1958 | 92 | --- | 100 | --- | 10.0 | 108 | 93 | 13 | 11.6 | 50.3 | 37.3 | | |

Table 13. Results from the 2007 National Winter Canola Variety Trial at Fruita, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (0-10) | 50% Bloom (d) | Lodging (%) | Shatter (%) | Moisture (%) | Test Wt (lbs/bu) | Total Oil (%) |
|-------------------|---------------|-------------|------------|---------------------|---------------------|------|------------|-------------------|---------------|-------------|-------------|--------------|------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | Winter Survival (%) | | | | | | | | | |
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | | | | | | | |
| Viking | 2128 | --- | --- | 91 | --- | --- | --- | 10.0 | 108 | 90 | 13 | 13.1 | 50.7 | 38.6 |
| ARC2180-1 | 2125 | 1809 | 1967 | 91 | --- | 92 | --- | 9.0 | 109 | 47 | 35 | 12.6 | 49.4 | 38.1 |
| ARC98007 | 2115 | 1727 | 1921 | 90 | --- | 100 | --- | 9.5 | 109 | 72 | 10 | 16.3 | 46.7 | 37.8 |
| KS7436 | 2109 | 2241 | 2175 | 90 | --- | 100 | --- | 9.2 | 109 | 53 | 32 | 12.3 | 48.9 | 41.3 |
| KS3302 | 2024 | --- | --- | 87 | --- | --- | --- | 9.7 | 107 | 83 | 10 | 9.6 | 47.6 | 39.7 |
| Baros | 1926 | --- | --- | 82 | --- | --- | --- | 9.2 | 109 | 83 | 23 | 10.3 | 50.4 | 39.7 |
| TCI.06.M1 | 1875 | --- | --- | 80 | --- | --- | --- | 10.0 | 109 | 83 | 12 | 13.3 | 48.0 | 40.4 |
| NPZ0391RR | 1849 | --- | --- | 79 | --- | --- | --- | 7.8 | 112 | 27 | 15 | 13.7 | 49.4 | 39.1 |
| KS3077 | 1844 | --- | --- | 79 | --- | --- | --- | 9.8 | 110 | 68 | 17 | 10.6 | 50.2 | 39.3 |
| ARC98015 | 1748 | --- | --- | 75 | --- | --- | --- | 9.7 | 109 | 87 | 12 | 15.9 | 48.5 | 39.0 |
| SW Falstaff | 1728 | --- | --- | 74 | --- | --- | --- | 8.5 | 109 | 73 | 10 | 9.1 | 45.7 | 40.5 |
| NPZ0591RR | 1647 | --- | --- | 70 | --- | --- | --- | 8.7 | 110 | 93 | 10 | 14.4 | 49.0 | 39.8 |
| Plainsman | 1626 | 1033 | 1329 | 70 | --- | 100 | --- | 8.2 | 112 | 65 | 15 | 9.6 | 49.1 | 37.6 |
| DKW13-62 | 1475 | 781 | 1128 | 63 | --- | 100 | --- | 9.7 | 110 | 85 | 13 | 14.1 | 48.8 | 40.8 |
| KS3254 | 1432 | 2095 | 1764 | 61 | --- | 100 | --- | 10.0 | 110 | 88 | 12 | 13.8 | 47.3 | 39.2 |
| Ceres | 1364 | 1478 | 1421 | 58 | --- | 100 | --- | 10.0 | 112 | 90 | 17 | 13.8 | 49.8 | 37.8 |
| DKW13-69 | 1105 | --- | --- | 47 | --- | --- | --- | 9.3 | 111 | 92 | 15 | 13.2 | 46.0 | 38.2 |
| Mean | 2339 | 1790 | --- | 100 | --- | --- | --- | 9.4 | 109 | 70 | 15 | 11.2 | 49.5 | 39.7 |
| CV (%) | 23 | 18 | --- | 23 | --- | --- | --- | 11.9 | 1 | 37 | 84 | 24.7 | 3.3 | 4.2 |
| LSD (0.05) | 872 | 514 | --- | 37 | --- | --- | --- | NS | 2 | NS | NS | 4.5 | 2.6 | 3.4 |

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.

Rocky Ford, Colorado

Abdel Berrada, Arkansas Valley Research Center,
 Colorado State University
 Planted: 9/27/2006
 Harvested: 7/24/2007 by hand
 Herbicides: Treflan 1.5 pt/a
 Irrigation: 9/28/06, 11/3/06, 4/18/07, 5/9/07, 6/7/07
 Fertility: 11-52-0 lbs. N-P-K fertilizer in August
 Soil Type: Rocky Ford silty clay loam

Elevation: 4180 ft Latitude: 38°3N
 Comments: Plot combine problems resulted in hand harvesting. The
 "best looking" entries were harvested.

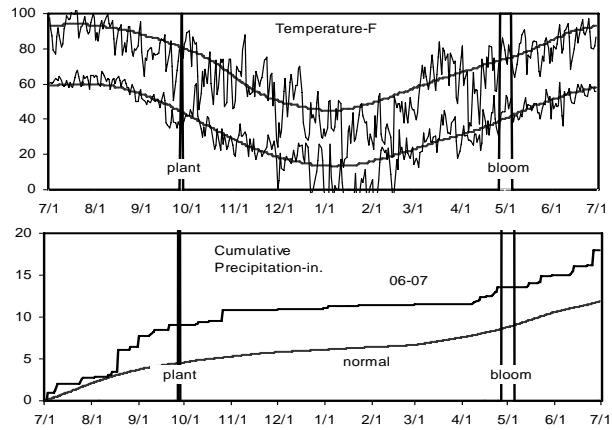


Table 14. Results from the 2007 National Winter Canola Variety Trial at Rocky Ford, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | 50% Bloom | Plant Ht | Lodging | Shatter | 90% Maturity |
|-------------|---------------|------|-------|---------------------|------|-----------|-------|---------------------|--------|------------|-----------|----------|---------|---------|--------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | (1-10) | (d) | (in.) | (%) | (%) | (d) | | |
| DKW13-69 | 1399 | --- | --- | 63 | 95 | --- | --- | 8 | 1-May | 53 | 0 | 5 | 11-Jul | | |
| Ceres | NA | 2481 | --- | --- | 95 | 89 | 92 | 9 | 3-May | 50 | 0 | 4 | 16-Jul | | |
| NPZ0391RR | 2216 | --- | --- | 99 | 93 | --- | --- | 8 | 1-May | 53 | 0 | 1 | 17-Jul | | |
| Hornet | 2475 | 2016 | --- | 111 | 90 | 58 | 74 | 8 | 29-Apr | 51 | 0 | 1 | 10-Jul | | |
| DKW13-62 | 1827 | 1261 | --- | 82 | 90 | 60 | 75 | 9 | 3-May | 55 | 1 | 2 | 17-Jul | | |
| X01W692C | 2247 | --- | --- | 101 | 90 | --- | --- | 8 | 28-Apr | 46 | 0 | 3 | 14-Jul | | |
| Jetton | 2225 | 1226 | 1726 | 100 | 88 | 57 | 72 | 8 | 29-Apr | 50 | 0 | 4 | 10-Jul | | |
| Kronos | NA | 2153 | --- | --- | 88 | 80 | 84 | 7 | 29-Apr | 53 | 0 | 13 | 11-Jul | | |
| SW Falstaff | NA | --- | --- | --- | 88 | --- | --- | 8 | 29-Apr | 45 | 0 | 3 | 23-Jul | | |
| Hybristar | 2025 | --- | --- | 91 | 85 | --- | --- | 8 | 27-Apr | 47 | 3 | 1 | 15-Jul | | |
| X01W522C | 2095 | --- | --- | 94 | 85 | --- | --- | 8 | 27-Apr | 47 | 0 | 8 | 6-Jul | | |
| DSV06202 | 2142 | --- | --- | 96 | 83 | --- | --- | 8 | 30-Apr | 49 | 0 | 1 | 16-Jul | | |
| Trabant | NA | --- | --- | --- | 83 | --- | --- | 8 | 28-Apr | 48 | 1 | 5 | 15-Jul | | |
| ARC98015 | NA | 1541 | --- | --- | 83 | 73 | 78 | 8 | 1-May | 55 | 0 | 5 | 16-Jul | | |
| DSV06201 | 3528 | --- | --- | 158 | 80 | --- | --- | 9 | 1-May | 45 | 0 | 1 | 15-Jul | | |
| KS3132 | NA | --- | --- | --- | 80 | --- | --- | 7 | 1-May | 47 | 0 | 6 | 11-Jul | | |
| KS3302 | NA | --- | --- | --- | 80 | --- | --- | 8 | 30-Apr | 48 | 1 | 7 | 11-Jul | | |
| KS7436 | NA | 2058 | --- | --- | 80 | 67 | 74 | 8 | 1-May | 50 | 4 | 9 | 11-Jul | | |
| Baros | NA | --- | --- | --- | 80 | --- | --- | 7 | 30-Apr | 48 | 3 | 5 | 10-Jul | | |
| Taurus | NA | --- | --- | --- | 80 | --- | --- | 8 | 30-Apr | 48 | 0 | 3 | 11-Jul | | |
| X02W534C | NA | --- | --- | --- | 80 | --- | --- | 7 | 30-Apr | 48 | 0 | 2 | 10-Jul | | |
| TCI.06.M1 | 1921 | --- | --- | 86 | 80 | --- | --- | 8 | 2-May | 50 | 5 | 2 | 14-Jul | | |
| TCI.06.M4 | NA | --- | --- | --- | 80 | --- | --- | 7 | 28-Apr | 45 | 0 | 14 | 5-Jul | | |
| Flash | 2736 | --- | --- | 123 | 78 | --- | --- | 8 | 30-Apr | 52 | 0 | 1 | 16-Jul | | |
| KS3018 | NA | 1125 | --- | --- | 78 | 82 | 80 | 8 | 29-Apr | 50 | 0 | 8 | 10-Jul | | |
| KS3074 | NA | 1644 | --- | --- | 78 | 78 | 78 | 7 | 30-Apr | 51 | 0 | 1 | 11-Jul | | |
| KS9135 | NA | 1947 | --- | --- | 78 | 80 | 79 | 7 | 30-Apr | 52 | 0 | 3 | 17-Jul | | |
| NPZ0404 | NA | --- | --- | --- | 78 | --- | --- | 7 | 27-Apr | 49 | 0 | 5 | 10-Jul | | |
| SLM0402 | 2151 | --- | --- | 96 | 78 | --- | --- | 8 | 27-Apr | 50 | 2 | 1 | 17-Jul | | |
| TCI.06.M2 | 1654 | --- | --- | 74 | 78 | --- | --- | 8 | 3-May | 52 | 0 | 1 | 11-Jul | | |
| KS3254 | NA | 1897 | --- | --- | 75 | 76 | 76 | 7 | 3-May | 51 | 0 | 1 | 17-Jul | | |
| KS4085 | 2116 | --- | --- | 95 | 75 | --- | --- | 8 | 2-May | 50 | 1 | 2 | 15-Jul | | |
| Wichita | 1944 | 1838 | 1891 | 87 | 75 | 60 | 68 | 8 | 2-May | 50 | 4 | 1 | 15-Jul | | |
| Kalif | NA | --- | --- | --- | 75 | --- | --- | 9 | 2-May | 43 | 0 | 1 | 16-Jul | | |
| Satori | 2096 | --- | --- | 94 | 75 | --- | --- | 7 | 30-Apr | 47 | 0 | 9 | 15-Jul | | |
| Baldur | NA | 1445 | --- | --- | 75 | 74 | 75 | 7 | 27-Apr | 51 | 0 | 4 | 11-Jul | | |
| NPZ0591RR | NA | --- | --- | --- | 75 | --- | --- | 7 | 2-May | 51 | 0 | 2 | 15-Jul | | |
| Virginia | 1751 | 839 | 1295 | 78 | 73 | 46 | 59 | 8 | 2-May | 51 | 0 | 0 | 17-Jul | | |
| Plainsman | 2401 | 1861 | 2131 | 108 | 73 | 86 | 79 | 8 | 2-May | 50 | 5 | 1 | 16-Jul | | |

Table 14. Results from the 2007 National Winter Canola Variety Trial at Rocky Ford, CO

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | 50% | Plant | Lodg | Shatter | 90% |
|-------------------|---------------|-------------|-------|------------|---------------------|-----------|-------|----------|--------|-----------|----------|----------|----------|
| | 2007 | 2006 | 2-Yr. | test avg | 2007 | 2006 | 2-Yr. | Stand | Bloom | Ht | ing | (%) | Maturity |
| | | | | | | | | (1-10) | (d) | (in.) | (%) | (%) | (d) |
| ARC97018 | NA | --- | --- | --- | 73 | 31 | 52 | 7 | 30-Apr | 50 | 0 | 4 | 17-Jul |
| TCI.06.M3 | NA | --- | --- | --- | 73 | --- | --- | 8 | 1-May | 46 | 3 | 1 | 17-Jul |
| Sitro | 2768 | --- | --- | 124 | 70 | --- | --- | 7 | 27-Apr | 47 | 0 | 1 | 12-Jul |
| DKW13-86 | NA | 3171 | --- | --- | 70 | 56 | 63 | 8 | 2-May | 47 | 5 | 1 | 23-Jul |
| Rasmus | NA | 1167 | --- | --- | 70 | 67 | 69 | 7 | 2-May | 51 | 2 | 1 | 23-Jul |
| ARC97019 | NA | 2200 | --- | --- | 70 | 53 | 62 | 7 | 1-May | 54 | 3 | 4 | 17-Jul |
| Rally | 3184 | 1111 | --- | 143 | 68 | 58 | 63 | 7 | 29-Apr | 50 | 4 | 1 | 8-Jul |
| KS3077 | NA | --- | --- | --- | 68 | --- | --- | 7 | 2-May | 53 | 0 | 1 | 17-Jul |
| KS4022 | NA | --- | --- | --- | 68 | --- | --- | 8 | 4-May | 49 | 0 | 1 | 23-Jul |
| SW Gospel | NA | --- | --- | --- | 68 | --- | --- | 8 | 2-May | 49 | 0 | NA | Late |
| Kadore | NA | --- | --- | --- | 65 | --- | --- | 7 | 8-May | 49 | 0 | 0 | 23-Jul |
| Viking | NA | --- | --- | --- | 65 | --- | --- | 7 | 6-May | 52 | 0 | NA | 23-Jul |
| ARC98007 | NA | 1945 | --- | --- | 65 | 56 | 61 | 7 | 30-Apr | 50 | 0 | 1 | 23-Jul |
| Sumner | NA | 2141 | --- | --- | 60 | 71 | 66 | 7 | 4-May | 49 | 0 | 2 | 15-Jul |
| Ovation | NA | --- | --- | --- | 55 | --- | --- | 7 | 3-May | 48 | 0 | 0 | Late |
| MH604001 | NA | --- | --- | --- | 53 | --- | --- | 7 | 3-May | 48 | 0 | 1 | 17-Jul |
| ARC2180-1 | NA | --- | --- | --- | 48 | 25 | 36 | 6 | 2-May | 49 | 5 | 2 | 17-Jul |
| Abilene | NA | 1852 | --- | --- | 8 | 77 | 42 | 7 | 9-May | 46 | 0 | NA | 23-Jul |
| Mean | 2233 | 1750 | --- | --- | 75 | --- | --- | 7 | --- | 49 | 1 | 3 | --- |
| LSD (0.10) | 927 | 1036 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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.

Kevin Larson, Plainsman Research Center,
 Colorado State University
 Planted: 9/16/2006
 Harvested: 7/4 & 7/5/2007
 Herbicides:
 Insecticides:
 Irrigation:
 Fertility:

Soil Type: Richfield silty clay
 Elevation: 3983 ft Latitude: 37°26N
 Comments:

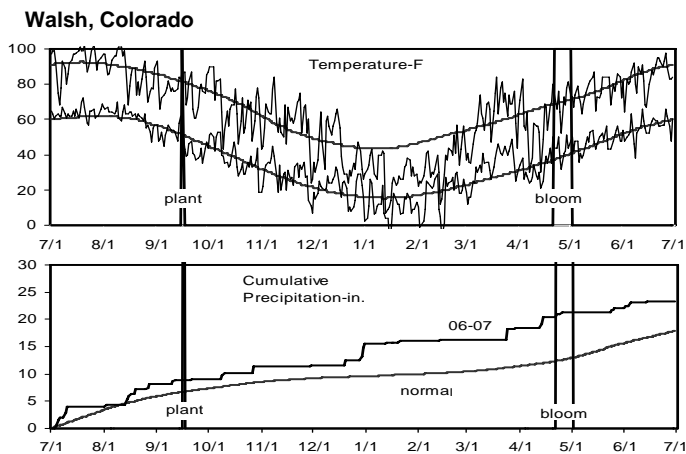


Table 15. Results from the 2007 National Winter Canola Variety Trial at Walsh, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | Fall Stand | 50% Bloom | Plant Height | Test Weight | Total Oil |
|-------------|---------------|------|------------|---------------------|------|------------|---------------------|-----|------------|-----------|--------------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (d) | (in.) | (lbs/bu) | (%) | | |
| DSV06201 | 3026 | --- | --- | 143 | --- | --- | 7.2 | 118 | 54 | --- | 40.0 | | |
| Rally | 2778 | --- | --- | 131 | --- | --- | 7.7 | 117 | 56 | --- | 38.2 | | |
| Sitro | 2763 | --- | --- | 130 | --- | --- | 8.2 | 115 | 55 | --- | 37.8 | | |
| Flash | 2696 | --- | --- | 127 | --- | --- | 8.0 | 118 | 55 | --- | 38.7 | | |
| X02W534C | 2572 | --- | --- | 121 | --- | --- | 7.5 | 116 | 50 | --- | 38.8 | | |
| Kalif | 2515 | --- | --- | 119 | --- | --- | 8.8 | 118 | 51 | --- | 39.1 | | |
| ARC97019 | 2461 | --- | --- | 116 | --- | --- | 7.7 | 116 | 55 | --- | 38.1 | | |
| X01W522C | 2448 | --- | --- | 115 | --- | --- | 9.1 | 116 | 51 | --- | 38.4 | | |
| Hornet | 2434 | --- | --- | 115 | --- | --- | 6.8 | 118 | 56 | --- | 37.8 | | |
| DSV06202 | 2421 | --- | --- | 114 | --- | --- | 5.7 | 116 | 52 | --- | 38.8 | | |
| X01W692C | 2421 | --- | --- | 114 | --- | --- | 6.8 | 116 | 51 | --- | 36.3 | | |
| KS3077 | 2374 | --- | --- | 112 | --- | --- | 8.8 | 117 | 51 | --- | 38.5 | | |
| Kronos | 2367 | --- | --- | 112 | --- | --- | 8.3 | 117 | 56 | --- | 38.2 | | |
| KS3074 | 2361 | --- | --- | 111 | --- | --- | 8.8 | 117 | 58 | --- | 37.8 | | |
| Kadore | 2351 | --- | --- | 111 | --- | --- | 7.0 | 119 | 51 | --- | 36.6 | | |
| Hybristar | 2320 | --- | --- | 109 | --- | --- | 8.0 | 114 | 48 | --- | 38.2 | | |
| TCI.06.M1 | 2320 | --- | --- | 109 | --- | --- | 8.3 | 117 | 55 | --- | 40.3 | | |
| KS3254 | 2300 | --- | --- | 108 | --- | --- | 8.9 | 119 | 59 | --- | 37.4 | | |
| Ovation | 2286 | --- | --- | 108 | --- | --- | 8.3 | 119 | 55 | --- | 39.9 | | |
| TCI.06.M4 | 2286 | --- | --- | 108 | --- | --- | 8.8 | 112 | 47 | --- | 38.8 | | |
| Ceres | 2246 | --- | --- | 106 | --- | --- | 9.2 | 119 | 57 | --- | 38.5 | | |
| TCI.06.M3 | 2219 | --- | --- | 105 | --- | --- | 8.5 | 113 | 49 | --- | 38.6 | | |
| TCI.06.M2 | 2212 | --- | --- | 104 | --- | --- | 8.5 | 117 | 52 | --- | 41.3 | | |
| DKW13-69 | 2209 | --- | --- | 104 | --- | --- | 7.2 | 118 | 55 | --- | 38.7 | | |
| Taurus | 2206 | --- | --- | 104 | --- | --- | 8.7 | 116 | 54 | --- | 39.3 | | |
| NPZ0591RR | 2199 | --- | --- | 104 | --- | --- | 7.7 | 118 | 54 | --- | 37.5 | | |
| SW Falstaff | 2199 | --- | --- | 104 | --- | --- | 8.2 | 118 | 53 | --- | 39.0 | | |
| SLM0402 | 2152 | --- | --- | 102 | --- | --- | 7.2 | 115 | 54 | --- | 38.8 | | |
| DKW13-86 | 2139 | --- | --- | 101 | --- | --- | 8.2 | 118 | 55 | --- | 37.3 | | |
| Jetton | 2132 | --- | --- | 101 | --- | --- | 8.2 | 116 | 53 | --- | 39.7 | | |
| NPZ0404 | 2132 | --- | --- | 101 | --- | --- | 7.8 | 116 | 48 | --- | 39.4 | | |
| KS7436 | 2112 | --- | --- | 100 | --- | --- | 8.0 | 118 | 58 | --- | 38.6 | | |
| NPZ0391RR | 2078 | --- | --- | 98 | --- | --- | 9.0 | 118 | 55 | --- | 39.3 | | |
| Satori | 2071 | --- | --- | 98 | --- | --- | 8.0 | 118 | 55 | --- | 39.6 | | |
| Baldur | 2071 | --- | --- | 98 | --- | --- | 7.8 | 116 | 56 | --- | 38.2 | | |
| Trabant | 2038 | --- | --- | 96 | --- | --- | 8.7 | 115 | 54 | --- | 38.8 | | |
| KS9135 | 2017 | --- | --- | 95 | --- | --- | 8.7 | 118 | 58 | --- | 38.2 | | |
| KS3018 | 1990 | --- | --- | 94 | --- | --- | 7.8 | 117 | 53 | --- | 37.9 | | |
| KS3132 | 1984 | --- | --- | 94 | --- | --- | 7.8 | 118 | 54 | --- | 38.6 | | |
| Rasmus | 1957 | --- | --- | 92 | --- | --- | 7.0 | 115 | 49 | --- | 38.3 | | |

Table 15. Results from the 2007 National Winter Canola Variety Trial at Walsh, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (0-10) | 50% Bloom (d) | Plant Height (in.) | Test Weight (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|------------|---------------------|---------------------|------|------------|-------------------|---------------|--------------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | Winter Survival (%) | | | | | | | |
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | | | | | |
| Wichita | 1916 | --- | --- | 90 | --- | --- | --- | 7.8 | 117 | 49 | --- | 37.4 |
| KS4085 | 1910 | --- | --- | 90 | --- | --- | --- | 8.7 | 117 | 60 | --- | 37.4 |
| KS3302 | 1836 | --- | --- | 87 | --- | --- | --- | 8.0 | 115 | 52 | --- | 37.8 |
| Virginia | 1816 | --- | --- | 86 | --- | --- | --- | 5.8 | 116 | 50 | --- | 38.4 |
| ARC97018 | 1802 | --- | --- | 85 | --- | --- | --- | 6.7 | 116 | 56 | --- | 38.3 |
| ARC2180-1 | 1795 | --- | --- | 85 | --- | --- | --- | 7.5 | 116 | 55 | --- | 37.6 |
| MN 604001 | 1786 | --- | --- | 84 | --- | --- | --- | 5.3 | 118 | 54 | --- | 38.0 |
| ARC98015 | 1756 | --- | --- | 83 | --- | --- | --- | 8.0 | 119 | 58 | --- | 37.8 |
| SW Gospel | 1715 | --- | --- | 81 | --- | --- | --- | 7.7 | 118 | 49 | --- | 37.9 |
| KS4022 | 1685 | --- | --- | 79 | --- | --- | --- | 5.2 | 119 | 52 | --- | 38.1 |
| Sumner | 1641 | --- | --- | 77 | --- | --- | --- | 7.8 | 115 | 48 | --- | 38.8 |
| Plainsman | 1628 | --- | --- | 77 | --- | --- | --- | 7.3 | 121 | 49 | --- | 38.8 |
| ARC98007 | 1587 | --- | --- | 75 | --- | --- | --- | 6.5 | 119 | 57 | --- | 39.2 |
| KDW13-62 | 1567 | --- | --- | 74 | --- | --- | --- | 8.0 | 121 | 59 | --- | 38.8 |
| Viking | 1567 | --- | --- | 74 | --- | --- | --- | 7.9 | 117 | 49 | --- | 38.4 |
| Abilene | 1483 | --- | --- | 70 | --- | --- | --- | 5.5 | 119 | 50 | --- | 37.7 |
| Baros | 1483 | --- | --- | 70 | --- | --- | --- | 6.8 | 117 | 48 | --- | 38.0 |
| Mean | 2120 | --- | --- | --- | --- | --- | --- | 7.7 | 117 | 53 | --- | 38.4 |
| LSD (0.05) | 541.5 | --- | --- | --- | --- | --- | --- | 2.0 | 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.

Yellow Jacket, Colorado

Mark Stack, Southwestern Colorado Research Center,
 Colorado State University
 Planted: 9/14/2006 at 6.5 lbs/a in 8-in. rows
 Harvested: 7/10/2007
 Herbicides: Treflan 1.2 pt/a
 Insecticides:
 Irrigation:
 Fertility: 54-0-0-61 N-P-K-S fertilizer in the fall
 Previous Crop: Fallow
 Soil Type: Clay loam
 Elevation: 6948 ft Latitude: 37°32N
 Comments: Hail damage on 7/5/2007.

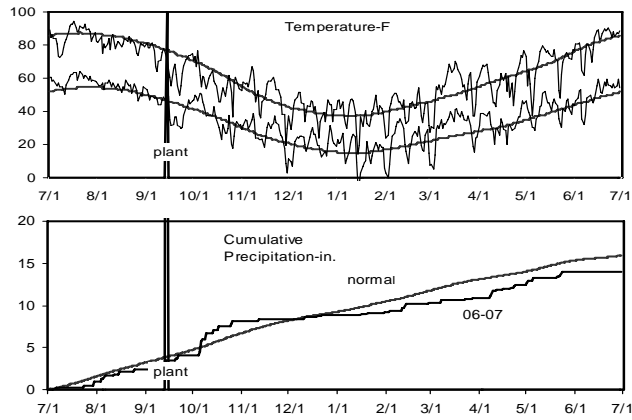


Table 16. Results from the 2007 National Winter Canola Variety Trial at Yellow Jacket, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | Plant Height | Shat ter | Moist ure | Test Weight | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------------|---------------------|-------|-----|------------|--------------|----------|-----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (lbs/bu) | (%) | | | |
| Kadore | 1236 | --- | --- | 190 | 85 | --- | --- | 6.3 | 52 | 2 | 7.7 | 50.3 | 31.9 | | |
| NPZ0404 | 1069 | --- | --- | 164 | 87 | --- | --- | 8.2 | 55 | 9 | 9.8 | 51.0 | 34.1 | | |
| Sitro | 990 | --- | --- | 152 | 88 | --- | --- | 7.3 | 55 | 12 | 11.3 | 51.8 | 31.2 | | |
| KS4085 | 969 | --- | --- | 149 | 80 | --- | --- | 8.5 | 56 | 27 | 10.2 | 50.8 | 33.6 | | |
| KS3077 | 925 | --- | --- | 142 | 70 | --- | --- | 7.7 | 56 | 29 | 13.3 | 50.3 | 33.1 | | |
| DSV06201 | 888 | --- | --- | 136 | 47 | --- | --- | 4.7 | 57 | 7 | 15.4 | 52.1 | 31.6 | | |
| TCI.06.M3 | 880 | --- | --- | 135 | 67 | --- | --- | 7.5 | 49 | 18 | 16.6 | 51.7 | 30.8 | | |
| Hybristar | 877 | --- | --- | 135 | 85 | --- | --- | 7.2 | 57 | 18 | 11.3 | 50.5 | 30.7 | | |
| Rally | 876 | --- | --- | 135 | 81 | --- | --- | 8.0 | 53 | 3 | 12.8 | 49.7 | 32.4 | | |
| Flash | 843 | --- | --- | 130 | 78 | --- | --- | 8.0 | 57 | 2 | 8.8 | 52.2 | 30.5 | | |
| Hornet | 835 | --- | --- | 128 | 88 | --- | --- | 7.7 | 55 | 20 | 7.6 | 50.9 | 31.4 | | |
| Wichita | 820 | --- | --- | 126 | 65 | --- | --- | 7.7 | 56 | 19 | 10.1 | 50.5 | 30.1 | | |
| Trabant | 819 | --- | --- | 126 | 75 | --- | --- | 6.8 | 48 | 35 | 11.6 | 47.8 | 33.6 | | |
| Satori | 817 | --- | --- | 126 | 77 | --- | --- | 7.3 | 51 | 33 | 9.1 | 51.9 | 33.5 | | |
| KS3132 | 791 | --- | --- | 122 | 86 | --- | --- | 7.8 | 56 | 34 | 9.8 | 51.2 | 31.8 | | |
| KS3074 | 790 | --- | --- | 121 | 90 | --- | --- | 5.8 | 58 | 53 | 9.4 | 51.7 | 31.6 | | |
| Jetton | 768 | --- | --- | 118 | 87 | --- | --- | 7.7 | 57 | 26 | 8.7 | 50.8 | 30.0 | | |
| X01W692C | 768 | --- | --- | 118 | 93 | --- | --- | 9.0 | 52 | 79 | 10.8 | 51.5 | 31.4 | | |
| SLM0402 | 762 | --- | --- | 117 | 68 | --- | --- | 7.5 | 51 | 47 | 12.0 | 49.8 | 31.2 | | |
| X01W522C | 761 | --- | --- | 117 | 87 | --- | --- | 9.0 | 52 | 57 | 11.3 | 50.8 | 30.4 | | |
| Abilene | 751 | --- | --- | 115 | 62 | --- | --- | 4.2 | 52 | 27 | 13.3 | 49.3 | 32.3 | | |
| X02W534C | 719 | --- | --- | 110 | 87 | --- | --- | 9.3 | 51 | 29 | 9.1 | 49.5 | 30.3 | | |
| Sumner | 714 | --- | --- | 110 | 67 | --- | --- | 6.8 | 52 | 33 | 12.5 | 50.0 | 32.6 | | |
| DKW13-86 | 678 | --- | --- | 104 | 57 | --- | --- | 6.8 | 54 | 17 | 13.3 | 51.3 | 31.9 | | |
| NPZ0391RR | 674 | --- | --- | 104 | 55 | --- | --- | 5.2 | 58 | 15 | 7.4 | 52.3 | 31.0 | | |
| ARC98007 | 665 | --- | --- | 102 | 70 | --- | --- | 5.8 | 58 | 63 | 6.9 | 53.3 | 30.6 | | |
| TCI.06.M4 | 631 | --- | --- | 97 | 88 | --- | --- | 9.0 | 49 | 52 | 17.7 | 50.5 | 30.1 | | |
| MOM604001 | 622 | --- | --- | 95 | 73 | --- | --- | 8.0 | 51 | 34 | 10.1 | 51.3 | 32.4 | | |
| Baldur | 612 | --- | --- | 94 | 87 | --- | --- | 8.0 | 58 | 55 | 8.5 | 53.0 | 31.0 | | |
| TCI.06.M2 | 611 | --- | --- | 94 | 62 | --- | --- | 8.0 | 52 | 64 | 11.7 | 51.3 | 33.9 | | |
| KS3254 | 604 | --- | --- | 93 | 87 | --- | --- | 6.8 | 57 | 50 | 11.0 | 50.2 | 32.0 | | |
| KS7436 | 598 | --- | --- | 92 | 82 | --- | --- | 7.3 | 55 | 19 | 11.2 | 50.3 | 31.7 | | |
| KS4022 | 594 | --- | --- | 91 | 91 | --- | --- | 6.8 | 53 | 67 | 10.7 | 51.0 | 32.1 | | |
| ARC97019 | 590 | --- | --- | 91 | 48 | --- | --- | 4.5 | 54 | 29 | 9.1 | 50.8 | 30.6 | | |
| KS3018 | 580 | --- | --- | 89 | 90 | --- | --- | 8.0 | 55 | 55 | 8.4 | 48.8 | 30.7 | | |
| KS3302 | 578 | --- | --- | 89 | 48 | --- | --- | 3.3 | 54 | 52 | 10.3 | 50.3 | 31.4 | | |
| ARC97018 | 571 | --- | --- | 88 | 48 | --- | --- | 5.0 | 54 | 19 | 11.4 | 50.6 | 30.8 | | |
| Virginia | 544 | --- | --- | 84 | 80 | --- | --- | 7.7 | 51 | 63 | 9.7 | 49.2 | 30.3 | | |
| Ovation | 532 | --- | --- | 82 | 82 | --- | --- | 7.5 | 53 | 2 | 7.2 | 49.8 | 33.4 | | |
| ARC98015 | 526 | --- | --- | 81 | 63 | --- | --- | 6.7 | 54 | 50 | 12.5 | 50.8 | 30.9 | | |

Table 16. Results from the 2007 National Winter Canola Variety Trial at Yellow Jacket, CO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | Fall Stand (0-10) | Plant Height (in.) | Shatter (%) | Moisture (%) | Test Weight (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|------------|---------------------|-----------|------|------------|---------------------|-------------------|--------------------|-------------|--------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | | | | | | | |
| Ceres | 516 | --- | --- | 79 | 76 | --- | --- | 7.5 | 51 | 29 | 11.1 | 49.9 | 31.7 | |
| Kronos | 515 | --- | --- | 79 | 77 | --- | --- | 7.5 | 56 | 43 | 7.7 | 50.8 | 29.6 | |
| Taurus | 509 | --- | --- | 78 | 88 | --- | --- | 8.5 | 57 | 52 | 9.0 | 53.9 | 31.0 | |
| DSV06202 | 506 | --- | --- | 78 | 55 | --- | --- | 6.8 | 50 | 47 | 14.0 | 48.3 | 32.5 | |
| Rasmus | 487 | --- | --- | 75 | 75 | --- | --- | 5.8 | 51 | 17 | 11.1 | 48.9 | 31.5 | |
| SW Gospel | 483 | --- | --- | 74 | 73 | --- | --- | 9.0 | 49 | 0 | 9.2 | 50.7 | 30.1 | |
| DKW13-62 | 481 | --- | --- | 74 | 80 | --- | --- | 8.5 | 52 | 18 | 16.7 | 48.4 | 31.0 | |
| Plainsman | 474 | --- | --- | 73 | 48 | --- | --- | 5.2 | 54 | 2 | 18.0 | 48.7 | 33.1 | |
| NPZ0591RR | 466 | --- | --- | 72 | 88 | --- | --- | 8.0 | 55 | 75 | 7.4 | 51.7 | 30.9 | |
| ARC2180-1 | 451 | --- | --- | 69 | 62 | --- | --- | 5.0 | 55 | 35 | 11.1 | 50.0 | 30.3 | |
| Kalif | 414 | --- | --- | 64 | 40 | --- | --- | 7.3 | 47 | 28 | 11.4 | 49.1 | 32.3 | |
| KS9135 | 399 | --- | --- | 61 | 89 | --- | --- | 8.1 | 54 | 64 | 10.2 | 51.1 | 30.7 | |
| Viking | 376 | --- | --- | 58 | 70 | --- | --- | 7.3 | 51 | 59 | 7.8 | 50.3 | 29.2 | |
| DKW13-69 | 376 | --- | --- | 58 | 87 | --- | --- | 7.7 | 55 | 63 | 11.9 | 49.6 | 32.7 | |
| Baros | 371 | --- | --- | 57 | 83 | --- | --- | 6.0 | 53 | 37 | 6.9 | 52.1 | 30.4 | |
| TCI.06.M1 | 359 | --- | --- | 55 | 72 | --- | --- | 8.0 | 51 | 42 | 17.0 | 47.8 | 34.7 | |
| SW Falstaff | 321 | --- | --- | 49 | 87 | --- | --- | 8.0 | 53 | 85 | 8.5 | 52.3 | 32.7 | |
| Mean | 651 | --- | --- | 100 | 75 | --- | --- | 7.2 | 54 | 37 | 10.6 | 50.7 | 31.5 | |
| CV (%) | 36 | --- | --- | 36 | 25 | --- | --- | 20.5 | 6 | 68 | 38.8 | 2.9 | 3.3 | |
| LSD (0.05) | 428 | --- | --- | 66 | 32 | --- | --- | 2.4 | 6 | 45 | NS | 3.2 | 2.1 | |

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.

Garden City, Kansas

John Holman, Southwest Research-Extension Center,
 Kansas State University
 Planted: 9/12/07 at 8 lbs/a in 6-in. rows
 Harvested: 6/26/2007

Irrigation: Yes
 Fertility: 140-0-0-14 lbs. N-P-K-S fertilizer
 Previous Crop: Fallow
 Soil Type: Ulysses-Richfield silt loam
 Elevation: 2888 ft Latitude: 37°99N
 Comments: Excellent moisture and snow cover during the winter resulted in high yields.

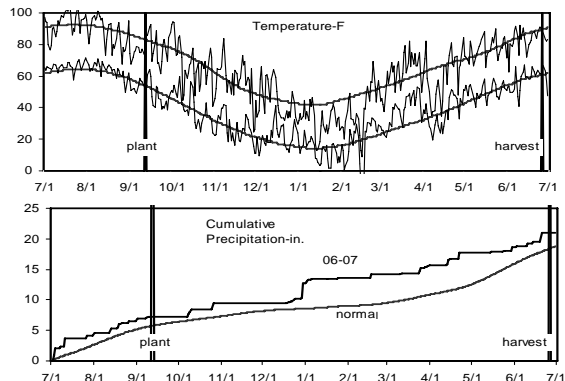


Table 17. Results from the 2007 National Winter Canola Variety Trial at Garden City, KS

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | Fall Stand (0-10) | Lodging (%) | Shatter (%) | Moisture (%) | Test Weight (lbs/bu) | Total Oil (%) |
|-------------|---------------|------|-------|---------------------|------|------|-------|---------------------|-------------------|-------------|-------------|--------------|----------------------|---------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | | | | | | | |
| Baldur | 3651 | --- | --- | 130 | 91 | --- | --- | 8.6 | 0 | 5 | 10.5 | 52.2 | 37.1 | |
| Taurus | 3533 | --- | --- | 126 | 85 | --- | --- | 8.5 | 0 | 8 | 10.5 | 48.8 | 38.2 | |
| TCl.06.M4 | 3418 | --- | --- | 122 | 88 | --- | --- | 8.5 | 2 | 7 | 11.4 | 50.8 | 36.8 | |
| X01W522C | 3377 | --- | --- | 120 | 86 | --- | --- | 8.9 | 3 | 7 | 12.0 | 48.1 | 37.0 | |
| Viking | 3285 | --- | --- | 117 | 86 | --- | --- | 8.6 | 0 | 5 | 10.4 | 50.5 | 36.4 | |
| Jetton | 3265 | --- | --- | 116 | 93 | --- | --- | 8.7 | 3 | 5 | 10.7 | 51.3 | 35.9 | |
| ARC2180-1 | 3214 | --- | --- | 114 | 96 | --- | --- | 7.8 | 2 | 5 | 11.0 | 50.5 | 35.3 | |
| DSV06202 | 3191 | --- | --- | 114 | 86 | --- | --- | 8.7 | 10 | 7 | 11.3 | 49.5 | 38.0 | |
| ARC97019 | 3177 | --- | --- | 113 | 88 | --- | --- | 7.8 | 13 | 5 | 12.1 | 49.0 | 36.5 | |
| SLM0402 | 3166 | --- | --- | 113 | 93 | --- | --- | 8.9 | 0 | 5 | 10.4 | 50.7 | 38.2 | |
| NPZ0391RR | 3162 | --- | --- | 112 | 76 | --- | --- | 8.8 | 2 | 5 | 11.5 | 51.9 | 36.3 | |
| KS3302 | 3155 | --- | --- | 112 | 100 | --- | --- | 8.2 | 7 | 7 | 10.2 | 51.1 | 37.5 | |
| NPZ0591RR | 3140 | --- | --- | 112 | 91 | --- | --- | 8.9 | 5 | 5 | 11.0 | 52.1 | 36.2 | |
| X02W534C | 3124 | --- | --- | 111 | 93 | --- | --- | 8.7 | 2 | 5 | 11.1 | 51.2 | 37.5 | |
| NPZ0404 | 3124 | --- | --- | 111 | 100 | --- | --- | 8.2 | 0 | 8 | 11.0 | 51.2 | 37.8 | |
| 06UIWC.4 | 3093 | --- | --- | 110 | 100 | --- | --- | 8.4 | 0 | 7 | 11.9 | 46.7 | --- | |
| MH 604001 | 3014 | --- | --- | 107 | 78 | --- | --- | 9.0 | 0 | 7 | 11.0 | 49.2 | 37.4 | |
| KS3018 | 3007 | --- | --- | 107 | 83 | --- | --- | 8.1 | 3 | 7 | 10.8 | 48.1 | 36.5 | |
| ARC97018 | 3000 | --- | --- | 107 | 89 | --- | --- | 8.3 | 5 | 7 | 11.5 | 48.2 | 36.9 | |
| Hybristar | 2994 | --- | --- | 107 | 89 | --- | --- | 8.5 | 3 | 5 | 10.6 | 52.1 | 37.6 | |
| KS4085 | 2985 | --- | --- | 106 | 100 | --- | --- | 8.4 | 30 | 5 | 11.6 | 51.3 | 35.9 | |
| Ceres | 2983 | --- | --- | 106 | 95 | --- | --- | 8.3 | 2 | 17 | 11.1 | 49.3 | 35.8 | |
| SW Falstaff | 2960 | --- | --- | 105 | 100 | --- | --- | 8.7 | 8 | 5 | 11.0 | 49.3 | 37.5 | |
| Virginia | 2954 | --- | --- | 105 | 100 | --- | --- | 8.4 | 0 | 5 | 10.8 | 45.8 | 36.4 | |
| Abilene | 2947 | --- | --- | 105 | 94 | --- | --- | 8.4 | 5 | 8 | 10.3 | 52.1 | 35.9 | |
| Rasmus | 2943 | --- | --- | 105 | 90 | --- | --- | 8.3 | 0 | 7 | 10.9 | 51.1 | 37.2 | |
| DKW13-62 | 2940 | --- | --- | 105 | 88 | --- | --- | 8.5 | 17 | 5 | 10.7 | 50.5 | 36.2 | |
| X01W692C | 2913 | --- | --- | 104 | 85 | --- | --- | 9.0 | 0 | 5 | 11.8 | 50.9 | 38.9 | |
| Sumner | 2912 | --- | --- | 104 | 100 | --- | --- | 8.1 | 5 | 8 | 9.7 | 44.5 | 36.0 | |
| KS3132 | 2893 | --- | --- | 103 | 90 | --- | --- | 8.5 | 25 | 8 | 10.8 | 49.9 | 36.6 | |
| Kronos | 2887 | --- | --- | 103 | 93 | --- | --- | 8.7 | 22 | 5 | 12.9 | 47.4 | 36.0 | |
| Sitro | 2885 | --- | --- | 103 | 100 | --- | --- | 8.3 | 0 | 5 | 11.3 | 50.4 | 37.2 | |
| TCl.06.M2 | 2880 | --- | --- | 102 | 82 | --- | --- | 8.8 | 20 | 5 | 9.8 | 49.7 | 39.7 | |
| Kalif | 2877 | --- | --- | 102 | 68 | --- | --- | 8.9 | 2 | 7 | 10.4 | 50.8 | 37.4 | |
| KS9135 | 2852 | --- | --- | 101 | 100 | --- | --- | 8.7 | 27 | 7 | 12.4 | 51.3 | 35.2 | |
| KS7436 | 2836 | --- | --- | 101 | 93 | --- | --- | 8.1 | 52 | 5 | 12.3 | 48.6 | 36.8 | |
| Satori | 2762 | --- | --- | 98 | 71 | --- | --- | 8.3 | 0 | 8 | 10.9 | 51.2 | 38.6 | |
| TCl.06.M1 | 2740 | --- | --- | 98 | 93 | --- | --- | 8.9 | 7 | 5 | 10.6 | 48.9 | 39.7 | |
| Wichita | 2725 | --- | --- | 97 | 90 | --- | --- | 8.7 | 27 | 7 | 10.9 | 49.7 | 37.7 | |
| SW Gospel | 2717 | --- | --- | 97 | 61 | --- | --- | 8.7 | 0 | 7 | 12.2 | 51.0 | 37.8 | |

Table 17. Results from the 2007 National Winter Canola Variety Trial at Garden City, KS

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | Lodg | Shat | Moist | Test | Total |
|-------------------|---------------|------|-------|------------|---------------------|------|-------|--------|------|------|-------|----------|-------|
| | 2007 | 2006 | 2-Yr. | test avg | 2007 | 2006 | 2-Yr. | Stand | ing | ter | ure | Weight | Oil |
| | | | | | | | | (0-10) | (%) | (%) | (%) | (lbs/bu) | (%) |
| ARC98015 | 2698 | --- | --- | 96 | 96 | --- | --- | 8.0 | 10 | 5 | 13.2 | 48.8 | 36.1 |
| DSV06201 | 2686 | --- | --- | 96 | 85 | --- | --- | 9.0 | 12 | 5 | 11.2 | 48.1 | 38.2 |
| DKW13-69 | 2683 | --- | --- | 95 | 94 | --- | --- | 8.3 | 10 | 7 | 10.1 | 51.6 | 37.2 |
| 06UIWC.1 | 2680 | --- | --- | 95 | 100 | --- | --- | 8.4 | 7 | 5 | 10.8 | 50.9 | --- |
| Flash | 2621 | --- | --- | 93 | 100 | --- | --- | 8.4 | 15 | 3 | 11.2 | 47.6 | 37.7 |
| Trabant | 2608 | --- | --- | 93 | 93 | --- | --- | 9.1 | 2 | 12 | 10.4 | 50.8 | 37.0 |
| 06UIWC.5 | 2596 | --- | --- | 92 | 96 | --- | --- | 8.3 | 25 | 5 | 12.4 | 49.7 | --- |
| DKW13-86 | 2584 | --- | --- | 92 | 84 | --- | --- | 8.2 | 17 | 5 | 10.7 | 48.1 | 37.4 |
| TCI.06.M3 | 2547 | --- | --- | 91 | 100 | --- | --- | 8.2 | 0 | 5 | 12.9 | 48.6 | 36.6 |
| ARC98007 | 2524 | --- | --- | 90 | 90 | --- | --- | 8.4 | 20 | 5 | 12.1 | 51.5 | 36.8 |
| 06UIWH.3 | 2503 | --- | --- | 89 | 93 | --- | --- | 8.1 | 15 | 5 | 11.8 | 50.7 | --- |
| KS3077 | 2492 | --- | --- | 89 | 93 | --- | --- | 8.4 | 38 | 5 | 10.6 | 49.3 | 36.0 |
| 06UIWC.2 | 2488 | --- | --- | 89 | 100 | --- | --- | 8.3 | 3 | 5 | 12.1 | 49.1 | --- |
| Rally | 2482 | --- | --- | 88 | 94 | --- | --- | 9.0 | 7 | 5 | 11.8 | 49.2 | --- |
| Ovation | 2480 | --- | --- | 88 | 76 | --- | --- | 8.8 | 5 | 5 | 11.8 | 50.9 | 39.4 |
| KS4022 | 2466 | --- | --- | 88 | 96 | --- | --- | 8.5 | 47 | 5 | 11.6 | 48.7 | 37.2 |
| Hornet | 2446 | --- | --- | 87 | 87 | --- | --- | 8.7 | 47 | 5 | 11.6 | 49.6 | 37.7 |
| Kadore | 2432 | --- | --- | 87 | 82 | --- | --- | 8.7 | 17 | 8 | 12.1 | 50.3 | 35.8 |
| Baros | 2322 | --- | --- | 83 | 91 | --- | --- | 8.4 | 2 | 8 | 10.6 | 50.9 | 37.3 |
| KS3254 | 2104 | --- | --- | 75 | 86 | --- | --- | 8.6 | 40 | 5 | 12.8 | 48.7 | 35.7 |
| Plainsman | 2065 | --- | --- | 73 | 91 | --- | --- | 8.7 | 72 | 5 | 11.0 | 47.3 | 35.4 |
| 06UIWH.5 | 2003 | --- | --- | 71 | 94 | --- | --- | 8.4 | 37 | 5 | 12.9 | 50.6 | --- |
| KS3074 | 1990 | --- | --- | 71 | 82 | --- | --- | 8.5 | 37 | 7 | 10.8 | 49.1 | 36.7 |
| 06UIWH.1 | 1774 | --- | --- | 63 | 100 | --- | --- | 8.0 | 60 | 5 | 14.3 | 48.2 | --- |
| Mean | 2811 | --- | --- | 100 | 91 | --- | --- | 8.5 | 13 | 6 | 11.3 | 49.8 | 37.0 |
| CV (%) | 17 | --- | --- | 17 | 5 | --- | --- | 4.8 | 117 | 45 | 7.9 | 5.5 | 1.8 |
| LSD (0.05) | 851 | --- | --- | 30 | 16 | --- | --- | 0.7 | 26 | 5 | 1.5 | NS | 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.

Hesston, Kansas

Mark Claassen, Harvey County Experiment Field, Kansas State University

Planted: 9/16/06 at 5 lbs/a in 9-in. rows

Harvested: 6/22/207

Herbicides: Treflan 1.5 pt/a

Insecticides:

Fertility: 100-30-0 lbs. N-P-K fertilizer in fall

Previous Crop: Fallow

Soil Type: Ladysmith silty clay loam

Elevation: 1499 ft Latitude: 38°08N

Comments: Freeze damage in early April resulted in significant yield reduction.

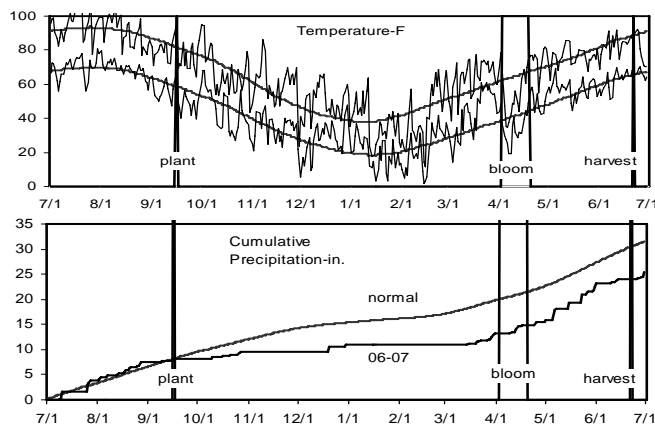


Table 18. Results from the 2007 National Winter Canola Variety Trial at Hesston, KS

| Name | Yield (lbs/a) | | | Yield % of test avg | Winter Survival (%) | | | Fall | Vig | 50% | Plant | Lodg | Moist | Test Wt (lbs/bu) | Total Oil (%) |
|-------------|---------------|------|-------|---------------------|---------------------|------|-------|--------------|-----------|-----------|----------|---------|---------|------------------|---------------|
| | 2007 | 2006 | 2-Yr. | | 2007 | 2006 | 2-Yr. | Stand (0-10) | or* (1-5) | Bloom (d) | Ht (in.) | ing (%) | ure (%) | | |
| KS3254 | 1617 | --- | --- | 230 | 100 | --- | --- | 8.0 | 4.0 | 108 | 42 | 0 | 11.3 | 51.1 | 38.1 |
| Kadore | 1600 | --- | --- | 228 | 99 | --- | --- | 8.0 | 3.3 | 109 | 34 | 0 | 8.9 | 52.4 | 38.9 |
| KS3132 | 1421 | --- | --- | 202 | 99 | --- | --- | 7.3 | 3.0 | 108 | 40 | 1 | 9.4 | 52.0 | 37.7 |
| KS3074 | 1346 | --- | --- | 191 | 98 | --- | --- | 7.0 | 2.7 | 108 | 40 | 0 | 10.1 | 52.2 | 37.3 |
| Ceres | 1299 | --- | --- | 185 | 100 | --- | --- | 8.3 | 5.0 | 107 | 35 | 1 | 10.1 | 52.5 | 38.1 |
| KS9135 | 1260 | --- | --- | 179 | 99 | --- | --- | 7.7 | 4.0 | 103 | 39 | 1 | 9.9 | 51.8 | 36.3 |
| SW Falstaff | 1226 | --- | --- | 174 | 99 | --- | --- | 7.7 | 3.7 | 107 | 37 | 1 | 8.5 | 51.0 | 40.0 |
| Plainsman | 1205 | --- | --- | 171 | 99 | --- | --- | 4.7 | 2.7 | 110 | 38 | 0 | 11.4 | 50.8 | 36.3 |
| KS3077 | 1156 | --- | --- | 164 | 100 | --- | --- | 7.0 | 2.7 | 104 | 38 | 2 | 8.9 | 52.4 | 37.4 |
| NPZ0391RR | 1121 | --- | --- | 159 | 96 | --- | --- | 7.7 | 3.7 | 107 | 39 | 1 | 9.2 | 51.8 | 37.9 |
| Wichita | 1010 | --- | --- | 144 | 100 | --- | --- | 7.0 | 3.3 | 107 | 36 | 1 | 8.7 | 52.3 | 36.7 |
| KS4022 | 961 | --- | --- | 137 | 100 | --- | --- | 6.7 | 3.0 | 95 | 34 | 2 | 13.0 | 49.7 | 38.0 |
| KS3018 | 943 | --- | --- | 134 | 99 | --- | --- | 8.0 | 3.7 | 93 | 38 | 0 | 9.1 | 51.3 | 37.9 |
| MH 604001 | 935 | --- | --- | 133 | 87 | --- | --- | 6.0 | 3.3 | 106 | 33 | 1 | 10.1 | 51.3 | 37.8 |
| KS4085 | 908 | --- | --- | 129 | 100 | --- | --- | 7.0 | 3.0 | 98 | 37 | 1 | 11.2 | 50.8 | 37.7 |
| DKW13-69 | 898 | --- | --- | 128 | 92 | --- | --- | 6.3 | 3.0 | 109 | 37 | 1 | 10.5 | 51.8 | 36.0 |
| ARC97018 | 886 | --- | --- | 126 | 96 | --- | --- | 4.3 | 2.3 | 102 | 33 | 3 | 12.6 | 50.1 | 36.6 |
| ARC2180-1 | 867 | --- | --- | 123 | 89 | --- | --- | 2.7 | 2.0 | 107 | 35 | 5 | 13.8 | 49.6 | 36.5 |
| Jetton | 866 | --- | --- | 123 | 99 | --- | --- | 7.7 | 3.7 | 99 | 33 | 0 | 10.9 | 50.5 | 38.6 |
| ARC98015 | 857 | --- | --- | 122 | 94 | --- | --- | 5.3 | 3.0 | 108 | 38 | 10 | 12.5 | 51.0 | 37.6 |
| Virginia | 815 | --- | --- | 116 | 97 | --- | --- | 6.3 | 2.7 | 106 | 32 | 2 | 12.0 | 50.4 | 38.1 |
| KS3302 | 813 | --- | --- | 116 | 99 | --- | --- | 7.0 | 2.7 | 94 | 35 | 6 | 10.3 | 52.0 | 37.8 |
| Sumner | 809 | --- | --- | 115 | 98 | --- | --- | 6.3 | 3.3 | 98 | 34 | 1 | 10.2 | 52.3 | 37.1 |
| KS7436 | 789 | --- | --- | 112 | 99 | --- | --- | 7.7 | 4.3 | 95 | 32 | 3 | 11.8 | 51.5 | 38.4 |
| ARC97019 | 769 | --- | --- | 109 | 97 | --- | --- | 5.7 | 3.3 | 107 | 34 | 22 | 11.7 | 51.3 | 36.3 |
| ARC98007 | 738 | --- | --- | 105 | 96 | --- | --- | 4.3 | 3.0 | 107 | 35 | 17 | 10.7 | 50.7 | 38.1 |
| Rasmus | 716 | --- | --- | 102 | 97 | --- | --- | 7.0 | 3.7 | 96 | 29 | 5 | 10.3 | 50.5 | 37.1 |
| Abilene | 711 | --- | --- | 101 | 99 | --- | --- | 4.3 | 2.3 | 103 | 33 | 5 | 9.6 | 52.3 | 35.3 |
| Satori | 706 | --- | --- | 100 | 93 | --- | --- | 7.0 | 3.3 | 107 | 30 | 7 | 9.1 | 51.4 | 38.4 |
| TCL06.M1 | 681 | --- | --- | 97 | 95 | --- | --- | 7.0 | 3.7 | 103 | 31 | 12 | 10.5 | 51.2 | 39.2 |
| NPZ0404 | 627 | --- | --- | 89 | 99 | --- | --- | 7.0 | 4.0 | 96 | 30 | 5 | 9.5 | 51.9 | 39.2 |
| X01W692C | 584 | --- | --- | 83 | 96 | --- | --- | 7.7 | 4.3 | 95 | 29 | 3 | 9.9 | 51.2 | 37.9 |
| SLM0402 | 577 | --- | --- | 82 | 99 | --- | --- | 6.7 | 4.7 | 93 | 29 | 14 | 10.1 | 51.4 | 37.7 |
| DKW13-62 | 567 | --- | --- | 81 | 93 | --- | --- | 7.7 | 4.0 | 109 | 34 | 33 | 8.9 | 52.2 | 37.9 |
| SW Gospel | 557 | --- | --- | 79 | 94 | --- | --- | 7.3 | 3.7 | 103 | 29 | 26 | 12.0 | 50.5 | 37.0 |
| Rally | 502 | --- | --- | 71 | 96 | --- | --- | 8.0 | 4.3 | 106 | 29 | 37 | 8.8 | 51.6 | 37.6 |
| Hornet | 488 | --- | --- | 69 | 100 | --- | --- | 6.7 | 4.3 | 96 | 28 | 10 | 11.3 | 52.1 | 36.3 |
| Kronos | 459 | --- | --- | 65 | 98 | --- | --- | 6.0 | 4.3 | 103 | 33 | 28 | 9.8 | 52.4 | 37.0 |
| Kalif | 443 | --- | --- | 63 | 81 | --- | --- | 8.0 | 4.0 | 107 | 27 | 29 | 8.7 | 51.2 | 39.8 |

Table 18. Results from the 2007 National Winter Canola Variety Trial at Hesston, KS

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | Vig | 50% | Plant | Lodg | Moist | Test Wt | Total |
|-------------------|---------------|------|-------|------------|---------------------|------|-------|--------|-------|-------|-------|------|-------|----------|-------------|
| | 2007 | 2006 | 2-Yr. | test avg | 2007 | 2006 | 2-Yr. | Stand | or* | Bloom | Ht | ing | ure | | |
| | | | | | | | | (0-10) | (1-5) | (d) | (in.) | (%) | (%) | (lbs/bu) | (%) |
| Hybristar | 405 | --- | --- | 58 | 92 | --- | --- | 7.0 | 4.3 | 103 | 28 | 45 | 9.8 | 51.3 | 36.5 |
| Sitro | 404 | --- | --- | 57 | 99 | --- | --- | 7.7 | 4.7 | 94 | 27 | 44 | 9.2 | 52.4 | 35.7 |
| Viking | 391 | --- | --- | 56 | 90 | --- | --- | 7.3 | 4.3 | 103 | 27 | 62 | 9.8 | 52.7 | 36.2 |
| TCI.06.M4 | 386 | --- | --- | 55 | 99 | --- | --- | 6.7 | 2.7 | 93 | 29 | 19 | 10.1 | 52.5 | 36.1 |
| DSV06202 | 378 | --- | --- | 54 | 99 | --- | --- | 6.7 | 4.3 | 93 | 25 | 28 | 10.8 | 52.2 | 36.4 |
| Taurus | 357 | --- | --- | 51 | 100 | --- | --- | 7.3 | 4.3 | 94 | 27 | 23 | 13.3 | 49.1 | 37.3 |
| X01W522C | 345 | --- | --- | 49 | 95 | --- | --- | 9.0 | 5.0 | 95 | 30 | 33 | 11.4 | 51.2 | 36.3 |
| NPZ0591RR | 334 | --- | --- | 48 | 97 | --- | --- | 8.3 | 3.7 | 103 | 30 | 48 | 9.4 | 51.1 | 36.6 |
| Baldur | 321 | --- | --- | 46 | 99 | --- | --- | 7.0 | 4.0 | 94 | 30 | 50 | 10.0 | 51.3 | 36.8 |
| DKW13-86 | 260 | --- | --- | 37 | 91 | --- | --- | 8.7 | 4.0 | 103 | 27 | 55 | 10.7 | 51.3 | 37.2 |
| TCI.06.M3 | 251 | --- | --- | 36 | 92 | --- | --- | 6.7 | 3.3 | 92 | 27 | 68 | 11.2 | 52.0 | 35.7 |
| Baros | 249 | --- | --- | 35 | 99 | --- | --- | 6.3 | 2.3 | 94 | 26 | 44 | 14.4 | 50.6 | 35.6 |
| Trabant | 244 | --- | --- | 35 | 99 | --- | --- | 8.7 | 4.3 | 95 | 25 | 17 | 11.6 | 49.6 | 37.2 |
| DSV06201 | 241 | --- | --- | 34 | 92 | --- | --- | 7.7 | 4.0 | 106 | 31 | 47 | 9.6 | 51.6 | 37.1 |
| TCI.06.M2 | 215 | --- | --- | 31 | 95 | --- | --- | 8.0 | 3.7 | 96 | 28 | 41 | 8.8 | 50.2 | 39.5 |
| Flash | 215 | --- | --- | 31 | 95 | --- | --- | 7.7 | 4.7 | 106 | 27 | 72 | 10.1 | 51.3 | 37.1 |
| Ovation | 208 | --- | --- | 30 | 90 | --- | --- | 7.3 | 4.0 | 108 | 29 | 62 | 9.3 | 48.6 | 38.1 |
| X02W534C | 149 | --- | --- | 21 | 88 | --- | --- | 8.3 | 4.0 | 93 | 27 | 73 | 11.9 | 48.1 | 36.4 |
| Mean | 703 | --- | --- | 100 | 96 | --- | --- | 6.9 | 3.6 | 101 | 32 | 20 | 10.5 | 51.3 | 37.3 |
| CV (%) | 34 | --- | --- | 34 | 4 | --- | --- | 11.1 | 17 | 3 | 7 | 113 | 9.8 | 2.5 | 1.9 |
| LSD (0.05) | 383 | --- | --- | 54 | 6 | --- | --- | 1.3 | 1.0 | 5 | 4 | 36 | 1.9 | 2.3 | 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. *Vigor scores rated as 1=poor to 5=excellent.

Hutchinson, Kansas

William Heer, South Central Experimental Field, Kansas State University
 Victor Martin, Alternatives Crops Agronomist, Kansas State University
 Planted: 9/18/06 at 5 lbs/a in 9-in. rows
 Harvested: 6/25/2007
 Herbicides: Treflan 2 pt/a
 Insecticides: Warrior on 3/19/07 for army cutworm
 Irrigation: None
 Fertility: 25-40-0 lbs. N-P-K fertilizer in the fall
 75-0-0 lbs. N-P-K fertilizer in the spring
 Soil Type: Ost silt loam
 Elevation: 1570 ft Latitude:
 Comments: Plots were moderately to severely affected by
 freeze on 4/7; recovery was good.

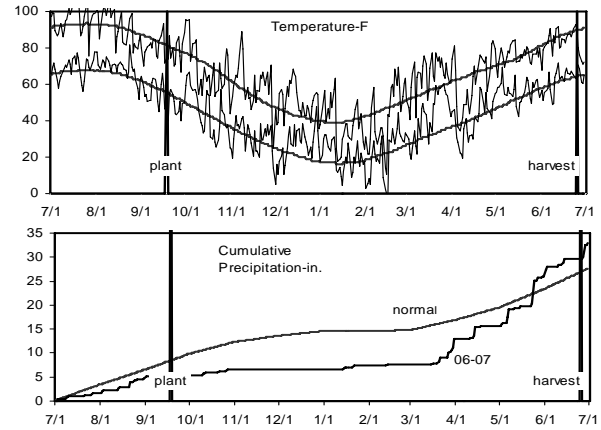


Table 19. Results from the 2007 National Winter Canola Variety Trial at Hutchinson, KS

| Name | Yield (lbs/a) | | | Yield % | Winter Survival (%) | | | Fall | Vig | Leaf | Stem | Plant | Lodg | Test Wt (lbs/bu) | Total Oil (%) |
|-------------|---------------|------|-------|---------|---------------------|------|-------|--------------|-----------------------|-------------------------|------------------------|---------|---------|------------------|---------------|
| | 2007 | 2006 | 2-Yr. | of avg | 2007 | 2006 | 2-Yr. | Stand (0-10) | or ^a (1-5) | Burn ^b (1-5) | Break ^c (%) | Ht (in) | ing (%) | | |
| Kadore | 2432 | --- | --- | 171 | 99 | --- | --- | 5.3 | 2.7 | 1.0 | 5.0 | 40 | 0 | 51.2 | 38.5 |
| KS3254 | 2201 | 1425 | 1813 | 155 | 100 | 100 | 100 | 6.7 | 3.3 | 1.7 | 15.0 | 47 | 0 | 47.5 | 38.7 |
| KS3077 | 2040 | --- | --- | 144 | 99 | --- | --- | 5.0 | 2.7 | 2.3 | 11.7 | 44 | 0 | 51.4 | 38.4 |
| Ceres | 2014 | 1009 | 1512 | 142 | 98 | 100 | 99 | 7.7 | 4.3 | 1.7 | 6.7 | 41 | 0 | 50.4 | 38.1 |
| KS3074 | 1866 | 1341 | 1603 | 131 | 100 | 100 | 100 | 6.0 | 3.0 | 3.7 | 20.0 | 44 | 2 | 51.7 | 38.9 |
| Jetton | 1797 | 1155 | 1476 | 127 | 95 | 100 | 98 | 4.3 | 3.7 | 3.7 | 15.0 | 38 | 2 | 50.2 | 38.6 |
| KS9135 | 1797 | 1300 | 1548 | 127 | 100 | 100 | 100 | 6.3 | 4.3 | 1.7 | 8.3 | 47 | 5 | 45.1 | 38.7 |
| SW Falstaff | 1786 | --- | --- | 126 | 100 | --- | --- | 5.7 | 2.7 | 3.0 | 11.7 | 43 | 0 | 49.7 | 40.7 |
| Wichita | 1723 | 1352 | 1538 | 121 | 100 | 100 | 100 | 6.3 | 3.0 | 2.3 | 15.0 | 43 | 0 | 51.5 | 38.5 |
| KS4022 | 1703 | --- | --- | 120 | 100 | --- | --- | 6.7 | 2.7 | 3.0 | 11.7 | 43 | 2 | 48.7 | 38.9 |
| Plainsman | 1674 | 1051 | 1363 | 118 | 100 | 100 | 100 | 3.7 | 3.0 | 3.0 | 10.0 | 47 | 0 | 49.1 | 37.4 |
| ARC97019 | 1630 | 1673 | 1652 | 115 | 100 | 100 | 100 | 3.7 | 2.7 | 3.0 | 23.3 | 46 | 2 | 50.6 | 36.7 |
| NPZ0404 | 1599 | --- | --- | 113 | 100 | --- | --- | 5.7 | 3.7 | 3.7 | 33.3 | 39 | 0 | 50.3 | 40.1 |
| KS7436 | 1578 | 1295 | 1437 | 111 | 100 | 100 | 100 | 6.7 | 4.7 | 3.0 | 18.3 | 43 | 5 | 51.5 | 38.3 |
| Kronos | 1576 | 1394 | 1485 | 111 | 99 | 100 | 99 | 5.0 | 4.3 | 3.0 | 26.7 | 42 | 5 | 51.7 | 37.2 |
| KS3018 | 1568 | 1333 | 1451 | 111 | 100 | 100 | 100 | 6.7 | 3.7 | 3.0 | 25.0 | 45 | 0 | 51.0 | 37.9 |
| KS3132 | 1547 | --- | --- | 109 | 100 | --- | --- | 5.7 | 3.3 | 3.0 | 6.7 | 45 | 0 | 50.2 | 38.3 |
| ARC97018 | 1530 | 1311 | 1420 | 108 | 100 | 99 | 100 | 3.3 | 3.0 | 3.0 | 40.0 | 45 | 2 | 47.2 | 37.7 |
| KS3302 | 1527 | --- | --- | 108 | 100 | --- | --- | 6.0 | 3.0 | 1.7 | 18.3 | 40 | 2 | 51.0 | 38.6 |
| ARC2180-1 | 1509 | 1284 | 1396 | 106 | 100 | 99 | 100 | 2.7 | 3.0 | 3.0 | 21.7 | 44 | 0 | 46.1 | 37.2 |
| DKW13-69 | 1488 | --- | --- | 105 | 100 | --- | --- | 7.0 | 3.0 | 3.0 | 15.0 | 43 | 3 | 50.1 | 38.1 |
| Virginia | 1482 | 1516 | 1499 | 104 | 95 | 100 | 98 | 2.7 | 3.0 | 3.0 | 3.3 | 40 | 0 | 43.5 | 37.3 |
| X01W692C | 1469 | --- | --- | 104 | 99 | --- | --- | 5.7 | 4.0 | 3.0 | 25.0 | 37 | 7 | 50.0 | 39.1 |
| TCI.06.M1 | 1441 | --- | --- | 102 | 99 | --- | --- | 5.3 | 3.7 | 3.0 | 8.3 | 41 | 3 | 46.7 | 41.5 |
| Rally | 1435 | 973 | 1204 | 101 | 100 | 99 | 100 | 7.3 | 4.0 | 3.0 | 25.0 | 41 | 8 | 48.6 | 37.8 |
| Flash | 1434 | 1261 | 1348 | 101 | 99 | 100 | 100 | 6.0 | 5.0 | 3.7 | 43.3 | 44 | 4 | 51.1 | 38.2 |
| NPZ0391RR | 1426 | --- | --- | 100 | 98 | --- | --- | 4.7 | 3.0 | 2.3 | 10.0 | 47 | 7 | 49.0 | 37.6 |
| Baldur | 1423 | 1418 | 1421 | 100 | 100 | 99 | 100 | 5.0 | 4.7 | 4.3 | 76.7 | 41 | 2 | 51.0 | 37.9 |
| KS4085 | 1423 | --- | --- | 100 | 100 | --- | --- | 7.3 | 4.0 | 2.3 | 21.7 | 42 | 5 | 50.9 | 37.7 |
| Ovation | 1420 | --- | --- | 100 | 93 | --- | --- | 6.7 | 3.3 | 3.0 | 0.0 | 42 | 3 | 51.5 | 39.6 |
| Abilene | 1411 | 1247 | 1329 | 99 | 100 | 100 | 100 | 4.3 | 2.3 | 3.0 | 6.7 | 39 | 0 | 47.6 | 36.9 |
| DKW13-62 | 1399 | 1043 | 1221 | 99 | 93 | 95 | 94 | 7.7 | 3.7 | 3.0 | 0.0 | 43 | 0 | 49.3 | 39.0 |
| Taurus | 1379 | --- | --- | 97 | 100 | --- | --- | 6.3 | 3.7 | 3.7 | 46.7 | 41 | 1 | 49.9 | 39.5 |
| Kalif | 1373 | --- | --- | 97 | 94 | --- | --- | 7.0 | 3.3 | 3.7 | 3.3 | 34 | 0 | 49.4 | 39.2 |
| ARC98007 | 1344 | 1276 | 1310 | 95 | 100 | 99 | 100 | 3.0 | 3.0 | 3.0 | 13.3 | 45 | 5 | 49.4 | 38.7 |
| ARC98015 | 1338 | 1582 | 1460 | 94 | 100 | 100 | 100 | 3.7 | 3.0 | 3.0 | 18.3 | 43 | 4 | 47.4 | 38.0 |
| SLM0402 | 1337 | --- | --- | 94 | 100 | --- | --- | 5.7 | 4.0 | 4.3 | 40.0 | 37 | 7 | 49.0 | 38.3 |
| Sumner | 1333 | 896 | 1114 | 94 | 100 | 100 | 100 | 4.7 | 2.7 | 3.0 | 13.3 | 41 | 0 | 51.8 | 38.2 |
| Hornet | 1315 | 1426 | 1370 | 93 | 100 | 97 | 99 | 5.7 | 4.0 | 3.7 | 60.0 | 41 | 17 | 46.5 | 38.0 |

Table 19. Results from the 2007 National Winter Canola Variety Trial at Hutchinson, KS

| Name | Yield (lbs/a) | | | Yield % of avg | | | | Winter Survival (%) | | Fall Stand | Vig or ^a | Leaf Burn ^b | Stem Break ^c | Plant Ht | Lodging | Test Wt | Total Oil |
|-------------------|---------------|------|-------|----------------|------------|------|-------|---------------------|-------|------------|---------------------|------------------------|-------------------------|----------|---------|---------|-----------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | % | (1-5) | (1-5) | (%) | (in) | (%) | (lb/bu) | (%) | | |
| MH 604001 | 1288 | --- | --- | 91 | 100 | --- | --- | 5.0 | 3.3 | 3.7 | 25.0 | 41 | 5 | 50.5 | 38.3 | | |
| X02W534C | 1286 | --- | --- | 91 | 97 | --- | --- | 6.0 | 3.7 | 3.7 | 51.7 | 35 | 3 | 50.2 | 38.2 | | |
| X01W522C | 1278 | --- | --- | 90 | 98 | --- | --- | 7.0 | 4.3 | 3.7 | 36.7 | 37 | 4 | 49.1 | 38.0 | | |
| Viking | 1277 | --- | --- | 90 | 98 | --- | --- | 4.0 | 2.7 | 3.0 | 6.7 | 35 | 0 | 48.9 | 38.3 | | |
| Sitro | 1246 | --- | --- | 88 | 99 | --- | --- | 5.7 | 4.7 | 5.0 | 48.3 | 40 | 5 | 52.1 | 37.2 | | |
| DSV06202 | 1245 | --- | --- | 88 | 100 | --- | --- | 5.0 | 3.7 | 4.3 | 31.7 | 36 | 0 | 51.6 | 37.9 | | |
| SW Gospel | 1216 | --- | --- | 86 | 94 | --- | --- | 7.0 | 4.0 | 3.0 | 15.0 | 40 | 5 | 50.8 | 37.6 | | |
| Rasmus | 1166 | 947 | 1057 | 82 | 100 | 100 | 100 | 4.7 | 3.0 | 5.0 | 45.0 | 38 | 4 | 47.7 | 37.2 | | |
| DSV06201 | 1166 | --- | --- | 82 | 99 | --- | --- | 5.7 | 3.7 | 3.7 | 40.0 | 43 | 4 | 50.7 | 38.0 | | |
| Satori | 1156 | --- | --- | 81 | 97 | --- | --- | 6.3 | 3.3 | 3.0 | 18.3 | 37 | 2 | 50.8 | 39.9 | | |
| TCI.06.M4 | 1148 | --- | --- | 81 | 100 | --- | --- | 6.7 | 4.0 | 4.3 | 85.0 | 34 | 12 | 52.5 | 37.6 | | |
| Trabant | 1147 | --- | --- | 81 | 100 | --- | --- | 6.7 | 4.0 | 3.0 | 36.7 | 37 | 5 | 50.6 | 37.3 | | |
| DKW13-86 | 1143 | 1079 | 1111 | 81 | 99 | 96 | 97 | 7.7 | 3.3 | 4.3 | 18.3 | 37 | 15 | 48.7 | 38.5 | | |
| NPZ0591RR | 1107 | --- | --- | 78 | 99 | --- | --- | 6.3 | 3.3 | 3.7 | 26.7 | 41 | 5 | 51.0 | 37.6 | | |
| Baros | 987 | --- | --- | 70 | 100 | --- | --- | 5.3 | 2.7 | 3.0 | 53.3 | 34 | 27 | 50.5 | 38.4 | | |
| Hybristar | 951 | --- | --- | 67 | 94 | --- | --- | 6.3 | 4.7 | 3.7 | 58.3 | 37 | 22 | 51.7 | 36.7 | | |
| TCI.06.M2 | 623 | --- | --- | 44 | 96 | --- | --- | 6.7 | 3.7 | 3.7 | 65.0 | 40 | 23 | 51.3 | 39.6 | | |
| TCI.06.M3 | 598 | --- | --- | 42 | 95 | --- | --- | 4.3 | 3.0 | 4.3 | 60.0 | 34 | 20 | 47.7 | 36.5 | | |
| Mean | 1441 | 1247 | 1344 | 102 | 99 | 99 | 99 | 5.6 | 3.5 | 3.2 | 26.2 | 41 | 5 | 49.7 | 38.3 | | |
| CV (%) | 16 | 18 | --- | 16 | 3 | 2 | --- | 23.3 | 19.8 | 25.1 | 64.4 | 5 | 195 | 5.4 | 1.4 | | |
| LSD (0.05) | 427 | 360 | --- | 30 | 5 | 3 | --- | 2.1 | 1.1 | 1.3 | 27.3 | 3 | NS | NS | 1.1 | | |

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other. ^aVigor scores rated as 1=poor to 5=excellent. ^bLeaf burn rated as 1=severe to 5=no damage. ^cStem Break rated as percent of main stems broken over.

Parsons, Kansas

James Long & Kelly Kusel, Southeast Agricultural Research Center,
Kansas State University

Planted: 9/26/06 at 5 lbs/a in 7-in. rows

Harvested: 6/22/2007

Herbicides: Treflan 1.5 pt/a

Previous Crop: Soybean

Fertility: 90-20-100 lbs. N-P-K fertilizer

Soil Type: Parson silt loam

Elevation: 900 ft Latitude: 37°21N

Comments: Freeze damage resulted in significant reductions in yield potential. Bloom data are questionable.

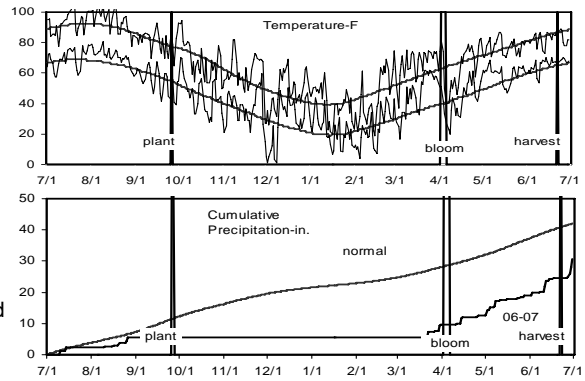


Table 20. Results from the 2007 National Winter Canola Variety Trial at Parsons, KS

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | 50% Bloom | Plant Height | Test Weight | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-----|------------|-----------|--------------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (in.) | (lbs/bu) | (%) | | |
| KS3254 | 959 | --- | --- | 191 | 92 | --- | --- | 92 | 93 | 54 | --- | 38.7 | | |
| KS3132 | 828 | --- | --- | 165 | 97 | --- | --- | 90 | 93 | 50 | --- | 38.2 | | |
| X02W534C | 808 | --- | --- | 161 | 88 | --- | --- | 93 | 92 | 43 | --- | 36.7 | | |
| KS9135 | 731 | --- | --- | 146 | 97 | --- | --- | 92 | 95 | 51 | --- | 37.9 | | |
| ARC97018 | 723 | --- | --- | 144 | 95 | --- | --- | 75 | 94 | 55 | --- | 36.7 | | |
| NPZ0404 | 712 | --- | --- | 142 | 93 | --- | --- | 93 | 94 | 46 | --- | 39.1 | | |
| KS3302 | 630 | --- | --- | 126 | 92 | --- | --- | 88 | 94 | 45 | --- | 37.8 | | |
| X01W522C | 621 | --- | --- | 124 | 93 | --- | --- | 87 | 92 | 50 | --- | 37.1 | | |
| SLM0402 | 621 | --- | --- | 124 | 90 | --- | --- | 80 | 94 | 46 | --- | 37.7 | | |
| KS3018 | 618 | --- | --- | 123 | 93 | --- | --- | 93 | 93 | 53 | --- | 36.5 | | |
| ARC97019 | 613 | --- | --- | 122 | 92 | --- | --- | 85 | 95 | 52 | --- | 36.9 | | |
| Trabant | 595 | --- | --- | 119 | 97 | --- | --- | 92 | 93 | 46 | --- | 36.8 | | |
| ARC98015 | 592 | --- | --- | 118 | 92 | --- | --- | 83 | 92 | 54 | --- | 37.1 | | |
| Sumner | 576 | --- | --- | 115 | 97 | --- | --- | 92 | 92 | 44 | --- | 38.0 | | |
| DKW13-86 | 540 | --- | --- | 108 | 90 | --- | --- | 90 | 93 | 52 | --- | 36.3 | | |
| Taurus | 519 | --- | --- | 104 | 92 | --- | --- | 95 | 92 | 48 | --- | 37.7 | | |
| ARC2180-1 | 496 | --- | --- | 99 | 82 | --- | --- | 60 | 93 | 44 | --- | 37.6 | | |
| KS4022 | 484 | --- | --- | 97 | 95 | --- | --- | 92 | 94 | 46 | --- | 37.2 | | |
| Virginia | 474 | --- | --- | 95 | 88 | --- | --- | 83 | 92 | 39 | --- | 37.9 | | |
| Kronos | 470 | --- | --- | 94 | 75 | --- | --- | 77 | 95 | 52 | --- | 38.3 | | |
| DKW13-62 | 456 | --- | --- | 91 | 85 | --- | --- | 93 | 94 | 42 | --- | 38.4 | | |
| KS3074 | 456 | --- | --- | 91 | 97 | --- | --- | 97 | 94 | 48 | --- | 38.5 | | |
| Wichita | 436 | --- | --- | 87 | 93 | --- | --- | 93 | 92 | 46 | --- | 38.3 | | |
| SW Gospel | 423 | --- | --- | 84 | 72 | --- | --- | 87 | 93 | 52 | --- | 38.8 | | |
| Plainsman | 412 | --- | --- | 82 | 85 | --- | --- | 75 | 92 | 46 | --- | 36.6 | | |
| Abilene | 398 | --- | --- | 79 | 93 | --- | --- | 78 | 95 | 47 | --- | 37.0 | | |
| KS4085 | 335 | --- | --- | 67 | 93 | --- | --- | 95 | 94 | 45 | --- | 37.5 | | |
| ARC98007 | 323 | --- | --- | 64 | 90 | --- | --- | 82 | 93 | 51 | --- | 38.6 | | |
| X01W692C | 312 | --- | --- | 62 | 85 | --- | --- | 87 | 92 | 49 | --- | 38.1 | | |
| NPZ0591RR | 299 | --- | --- | 60 | 93 | --- | --- | 95 | 95 | 43 | --- | 35.4 | | |
| DKW13-69 | 288 | --- | --- | 58 | 90 | --- | --- | 87 | 94 | 47 | --- | 37.5 | | |
| KS3077 | 277 | --- | --- | 55 | 93 | --- | --- | 87 | 94 | 44 | --- | 38.4 | | |
| KS7436 | 277 | --- | --- | 55 | 90 | --- | --- | 93 | 95 | 47 | --- | 38.4 | | |
| NPZ0391RR | 254 | --- | --- | 51 | 90 | --- | --- | 95 | 93 | 50 | --- | 37.8 | | |
| SW Falstaff | 245 | --- | --- | 49 | 93 | --- | --- | 88 | 94 | 43 | --- | 39.4 | | |
| Baldur | 243 | --- | --- | 48 | 82 | --- | --- | 83 | 92 | 45 | --- | 37.1 | | |
| Mean | 501 | --- | --- | 100 | 90 | --- | --- | 87 | 93 | 47 | --- | 37.6 | | |
| CV (%) | 62 | --- | --- | 62 | 10 | --- | --- | 8 | 1 | 9 | --- | 2.1 | | |
| LSD (0.05) | NS | --- | --- | NS | NS | --- | --- | 12 | 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.

Columbia, Missouri

Howard Mason & William Wiebold, Variety Testing,
University of Missouri

Planted: 9/15/2006

Harvested: 6/20/2007

Herbicides: Treflan

Insecticides:

Irrigation:

Fertility: 65-0-0 lbs. N-P-K fertilizer

Previous Crop: Wheat

Soil Type:

Elevation: 870 ft Latitude 38°32N

Comments: Early April freeze resulted in poor yields. Harvest delayed because of second flush of pods.

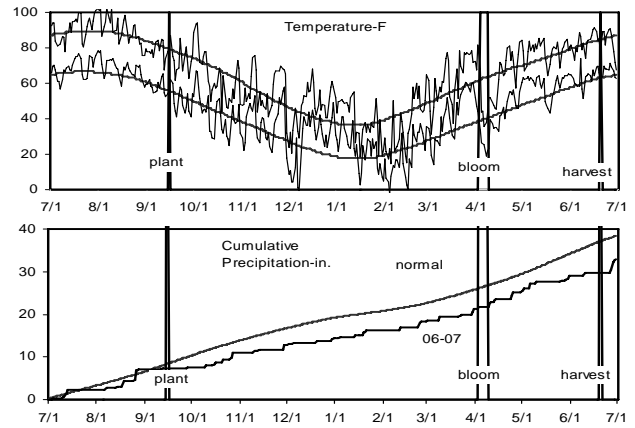


Table 21. Results from the 2007 National Winter Canola Variety Trial at Columbia, MO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | 50% Bloom | Freeze Injury* | Plant Height | Lodging | Total Oil |
|-----------|---------------|------|------------|---------------------|------|------|---------------------|-----|-----|------------|-----------|----------------|--------------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (%) | (in.) | (%) | (%) | | |
| Kadore | 882 | --- | --- | 562 | 75 | --- | --- | 75 | 98 | 70 | 31 | 8 | 40.3 | | |
| KS3254 | 362 | 94 | 228 | 231 | 80 | 33 | 57 | 78 | 96 | 57 | 33 | 23 | 39.1 | | |
| KS3074 | 354 | 334 | 344 | 226 | 87 | 47 | 67 | 75 | 96 | 57 | 34 | 30 | 39.3 | | |
| KS4022 | 340 | --- | --- | 217 | 82 | --- | --- | 77 | 95 | 60 | 32 | 22 | 39.6 | | |
| ARC2180-1 | 319 | 150 | 235 | 203 | 80 | 38 | 59 | 70 | 95 | 37 | 36 | 30 | 38.0 | | |
| KS9135 | 302 | 285 | 293 | 192 | 87 | 63 | 75 | 83 | 96 | 50 | 35 | 45 | 38.5 | | |
| KS4160 | 294 | --- | --- | 187 | 77 | --- | --- | 75 | 96 | 55 | 33 | 23 | 39.3 | | |
| Plainsman | 279 | 100 | 190 | 178 | 87 | 58 | 72 | 62 | 96 | 43 | 31 | 20 | 38.6 | | |
| ARC97018 | 254 | 157 | 205 | 162 | 82 | 30 | 56 | 73 | 94 | 30 | 31 | 28 | 39.5 | | |
| KS7436 | 252 | 263 | 258 | 161 | 87 | 28 | 57 | 80 | 94 | 47 | 31 | 40 | 39.0 | | |
| ARC97019 | 239 | 427 | 333 | 153 | 72 | 47 | 59 | 67 | 94 | 18 | 31 | 42 | 38.3 | | |
| KS3357 | 238 | --- | --- | 152 | 75 | --- | --- | 75 | 94 | 58 | 37 | 28 | 38.8 | | |
| Abilene | 231 | 486 | 359 | 147 | 88 | 55 | 72 | 62 | 95 | 45 | 30 | 40 | 36.1 | | |
| KS3077 | 199 | --- | --- | 127 | 67 | --- | --- | 75 | 96 | 37 | 30 | 40 | 39.0 | | |
| Kronos | 193 | 285 | 239 | 123 | 90 | 35 | 63 | 80 | 95 | 20 | 31 | 40 | 38.1 | | |
| KS3132 | 179 | --- | --- | 114 | 80 | --- | --- | 85 | 96 | 60 | 34 | 25 | 37.5 | | |
| KS4114 | 171 | --- | --- | 109 | 87 | --- | --- | 80 | 95 | 53 | 32 | 35 | 38.5 | | |
| Hornet | 166 | 108 | 137 | 106 | 85 | 37 | 61 | 77 | 94 | 17 | 30 | 43 | 37.4 | | |
| DKW13-62 | 163 | --- | --- | 104 | 67 | --- | --- | 75 | 97 | 23 | 30 | 42 | 36.5 | | |
| SLM0402 | 161 | --- | --- | 103 | 87 | --- | --- | 78 | 94 | 27 | 30 | 28 | 40.1 | | |
| NPZ0391RR | 160 | --- | --- | 102 | 88 | --- | --- | 80 | 97 | 18 | 28 | 38 | 37.5 | | |
| ARC98007 | 160 | 256 | 208 | 102 | 82 | 43 | 62 | 72 | 96 | 17 | 30 | 38 | 38.7 | | |
| KS3018 | 150 | 311 | 230 | 96 | 83 | 63 | 73 | 77 | 93 | 37 | 29 | 42 | 37.9 | | |
| KS4085 | 142 | --- | --- | 91 | 87 | --- | --- | 82 | 95 | 43 | 33 | 33 | 39.1 | | |
| KS3302 | 136 | --- | --- | 86 | 73 | --- | --- | 67 | 94 | 47 | 30 | 38 | 37.4 | | |
| X01W692C | 136 | --- | --- | 86 | 82 | --- | --- | 77 | 93 | 10 | 27 | 40 | 38.0 | | |
| Rasmus | 132 | 154 | 143 | 84 | 78 | 40 | 59 | 73 | 93 | 27 | 32 | 33 | 38.4 | | |
| Taurus | 124 | --- | --- | 79 | 90 | --- | --- | 75 | 94 | 18 | 26 | 33 | 38.9 | | |
| Virginia | 118 | 225 | 172 | 75 | 75 | 52 | 64 | 75 | 94 | 30 | 27 | 22 | 40.3 | | |
| Trabant | 115 | --- | --- | 73 | 78 | --- | --- | 77 | 95 | 3 | 29 | 38 | 38.7 | | |
| DSV06201 | 113 | --- | --- | 72 | 73 | --- | --- | 78 | 97 | 12 | 30 | 45 | 38.3 | | |
| Jetton | 107 | 257 | 182 | 68 | 83 | 38 | 61 | 78 | 95 | 32 | 30 | 37 | 39.7 | | |
| Wichita | 105 | 314 | 210 | 67 | 87 | 53 | 70 | 75 | 94 | 37 | 31 | 40 | 39.5 | | |
| DSV06202 | 101 | --- | --- | 64 | 85 | --- | --- | 90 | 94 | 8 | 27 | 33 | 37.0 | | |
| MH604001 | 101 | --- | --- | 64 | 78 | --- | --- | 85 | 95 | 5 | 28 | 48 | 37.9 | | |
| DKW13-69 | 99 | --- | --- | 63 | 78 | --- | --- | 82 | 98 | 27 | 33 | 35 | 37.9 | | |
| NPZ0404 | 99 | --- | --- | 63 | 82 | --- | --- | 83 | 95 | 23 | 31 | 25 | --- | | |
| X02W534C | 99 | --- | --- | 63 | 82 | --- | --- | 78 | 94 | 8 | 29 | 38 | 38.3 | | |
| ARC98015 | 97 | 257 | 177 | 62 | 78 | 73 | 76 | 77 | 96 | 10 | 32 | 38 | 34.7 | | |

Table 21. Results from the 2007 National Winter Canola Variety Trial at Columbia, MO

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | 50% Bloom | Freeze Injury* | Plant Height | Lodging | Total Oil |
|-------------------|---------------|------|------------|---------------------|-----------|------------|---------------------|------|------------|------------|-----------|----------------|--------------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (%) | (in.) | (%) | (%) |
| Ceres | 96 | 32 | 64 | 61 | 82 | 42 | 62 | 62 | 87 | 97 | 22 | 30 | 38 | 39.1 | |
| SW Falstaff | 85 | --- | --- | 54 | 83 | --- | --- | --- | 78 | 97 | 13 | 27 | 50 | 37.2 | |
| Kalif | 78 | --- | --- | 50 | 62 | --- | --- | --- | 75 | 96 | 12 | 24 | 43 | 40.5 | |
| Flash | 77 | 67 | 72 | 49 | 83 | 45 | 64 | 64 | 82 | 95 | 7 | 29 | 37 | 37.5 | |
| NPZ0591RR | 65 | --- | --- | 42 | 83 | --- | --- | --- | 77 | 96 | 10 | 30 | 47 | 38.7 | |
| Rally | 64 | 147 | 105 | 41 | 63 | 47 | 55 | 55 | 82 | 97 | 5 | 30 | 55 | 39.3 | |
| SW Gospel | 62 | --- | --- | 40 | 63 | --- | --- | --- | 83 | 96 | 8 | 25 | 32 | 37.6 | |
| Hybristar | 62 | --- | --- | 40 | 62 | --- | --- | --- | 78 | 96 | 0 | 23 | 53 | 37.1 | |
| Baldur | 61 | 277 | 169 | 39 | 73 | 63 | 68 | 68 | 82 | 94 | 18 | 31 | 33 | 37.9 | |
| Viking | 61 | --- | --- | 39 | 68 | --- | --- | --- | 80 | 96 | 8 | 28 | 43 | 38.1 | |
| DKW13-86 | 56 | --- | --- | 36 | 70 | --- | --- | --- | 75 | 95 | 7 | 27 | 48 | 37.8 | |
| Baros | 56 | --- | --- | 36 | 85 | --- | --- | --- | 77 | 93 | 2 | 26 | 42 | 38.9 | |
| Satori | 54 | --- | --- | 35 | 82 | --- | --- | --- | 82 | 95 | 7 | 26 | 48 | 38.3 | |
| Sitro | 53 | --- | --- | 34 | 83 | --- | --- | --- | 83 | 94 | 5 | 26 | 37 | 38.2 | |
| Ovation | 48 | --- | --- | 31 | 60 | --- | --- | --- | 83 | 97 | 7 | 30 | 43 | 37.0 | |
| Sumner | 38 | 299 | 169 | 24 | 80 | 55 | 68 | 68 | 87 | 94 | 27 | 29 | 40 | 36.4 | |
| TCl.06.M2 | 29 | --- | --- | 18 | 77 | --- | --- | --- | 83 | 94 | 8 | 25 | 47 | --- | |
| X01W522C | 26 | --- | --- | 16 | 72 | --- | --- | --- | 77 | 95 | 2 | 27 | 47 | 39.3 | |
| Mean | 157 | 235 | --- | 100 | 79 | 49 | --- | --- | 78 | 95 | 25 | 30 | 37 | 38.3 | |
| CV (%) | 78 | 76 | --- | 78 | 12 | 46 | --- | --- | 10 | 0.3 | 51 | 11 | 34 | 3.6 | |
| LSD (0.05) | 198 | NS | --- | --- | 16 | NS | --- | --- | 12 | 2 | 21 | 5 | 20 | 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.

*Freeze Injury rated as the percent of plants that survived the freeze.

Lincoln, Nebraska

Lenis Nelson, University of Nebraska-Lincoln

Planted: 9/8/06 at 5 lbs/a

Harvested: 6/29/2007

Herbicides: Treflan

Insecticides:

Irrigation:

Fertility: 70-50-0 lbs. N-P-K fertilizer in the fall

Previous Crop: Oats

Soil Type: Sharpsburg silty clay loam

Elevation: 1217 ft Latitude 40°51N

Comments: Significant differential winterkill occurred.

Yield data had too many missing plots.

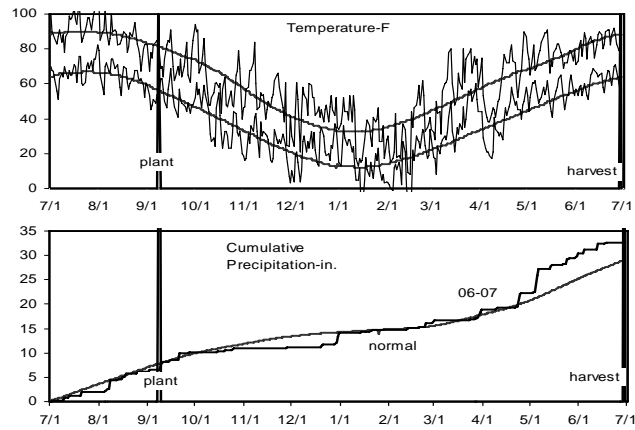


Table 22. Results from the 2007 National Winter Canola Variety Trial at Lincoln, NE

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand (%) | 50% Bloom (d) | Plant Height (in.) | Shatter (%) | Total Oil (%) |
|-------------|---------------|------|------------|---------------------|------|------------|---------------------|------|------------|----------------|---------------|--------------------|-------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (in.) | (%) | (%) |
| KS3074 | --- | 2461 | --- | --- | 100 | --- | --- | --- | --- | --- | 32 | 3.7 | 38.4 | |
| KS3132 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 31 | 5.7 | 39.7 | |
| KS3254 | --- | 2997 | --- | --- | 100 | --- | --- | --- | --- | --- | 32 | 1.0 | 39.8 | |
| KS4022 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 32 | 4.3 | 39.1 | |
| KS9135 | --- | 2442 | --- | --- | 100 | --- | --- | --- | --- | --- | 35 | 1.7 | 38.2 | |
| Plainsman | --- | 2271 | --- | --- | 100 | --- | --- | --- | --- | --- | 35 | 0.7 | 38.3 | |
| Kadore | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 26 | 1.3 | 39.9 | |
| SW Falstaff | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 27 | 0.7 | 39.9 | |
| KS3357 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 35 | 4.0 | 38.7 | |
| KS4114 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 32 | 2.7 | 38.7 | |
| KS4160 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | 32 | 2.3 | 40.2 | |
| KS3018 | --- | 2543 | --- | --- | 97 | --- | --- | --- | --- | --- | 31 | 4.0 | 37.5 | |
| KS3077 | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | 33 | 1.0 | 38.8 | |
| KS3302 | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | 31 | 3.7 | 37.5 | |
| NPZ0404 | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | 29 | 2.3 | 40.5 | |
| Wichita | --- | 2345 | --- | --- | 93 | --- | --- | --- | --- | --- | 31 | 4.0 | 37.4 | |
| ARC97019 | --- | 2142 | --- | --- | 93 | --- | --- | --- | --- | --- | 34 | 3.7 | 36.7 | |
| KS4085 | --- | --- | --- | --- | 90 | --- | --- | --- | --- | --- | 33 | 2.0 | 38.8 | |
| Abilene | --- | 2798 | --- | --- | 87 | --- | --- | --- | --- | --- | 32 | 3.7 | 37.5 | |
| KS7436 | --- | 2558 | --- | --- | 87 | --- | --- | --- | --- | --- | 32 | 1.3 | 39.3 | |
| ARC97018 | --- | 1745 | --- | --- | 87 | --- | --- | --- | --- | --- | 34 | 1.0 | 37.9 | |
| ARC98007 | --- | 2446 | --- | --- | 87 | --- | --- | --- | --- | --- | 34 | 1.7 | 38.1 | |
| Ceres | --- | 2022 | --- | --- | 83 | --- | --- | --- | --- | --- | 28 | 2.7 | 37.3 | |
| Jetton | --- | 2553 | --- | --- | 82 | --- | --- | --- | --- | --- | 29 | 0.3 | 37.6 | |
| Sumner | --- | 2406 | --- | --- | 80 | --- | --- | --- | --- | --- | 29 | 3.0 | 37.3 | |
| ARC98015 | --- | 2477 | --- | --- | 80 | --- | --- | --- | --- | --- | 34 | 4.0 | 38.6 | |
| Virginia | --- | 2446 | --- | --- | 77 | --- | --- | --- | --- | --- | 25 | 0.0 | 37.5 | |
| ARC2180-1 | --- | 2425 | --- | --- | 77 | --- | --- | --- | --- | --- | 32 | 1.0 | 39.3 | |
| Kronos | --- | 2187 | --- | --- | 75 | --- | --- | --- | --- | --- | 29 | 2.3 | 38.4 | |
| DKW13-69 | --- | --- | --- | --- | 70 | --- | --- | --- | --- | --- | 29 | 0.0 | 37.7 | |
| MH 604001 | --- | --- | --- | --- | 67 | --- | --- | --- | --- | --- | 31 | 0.3 | 37.8 | |
| Baldur | --- | 2266 | --- | --- | 65 | --- | --- | --- | --- | --- | 27 | 0.7 | 37.7 | |
| Rasmus | --- | 1972 | --- | --- | 65 | --- | --- | --- | --- | --- | 29 | 0.3 | 36.0 | |
| Trabant | --- | --- | --- | --- | 63 | --- | --- | --- | --- | --- | 27 | 0.3 | 38.3 | |
| Flash | --- | 2707 | --- | --- | 60 | --- | --- | --- | --- | --- | 31 | 0.0 | 36.9 | |
| NPZ0391RR | --- | --- | --- | --- | 60 | --- | --- | --- | --- | --- | 29 | 0.3 | 38.0 | |
| DKW13-62 | --- | 1752 | --- | --- | 55 | --- | --- | --- | --- | --- | 30 | 1.7 | 38.0 | |
| Taurus | --- | --- | --- | --- | 53 | --- | --- | --- | --- | --- | 29 | 0.3 | 39.3 | |
| DSV06202 | --- | --- | --- | --- | 52 | --- | --- | --- | --- | --- | 29 | 0.7 | 38.0 | |

Table 22. Results from the 2007 National Winter Canola Variety Trial at Lincoln, NE

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | 50% | Plant | Shatter | Total Oil |
|-------------------|---------------|------|------------|------------|---------------------|------|------------|-------|-------|--------|---------|-------------|
| | 2007 | 2006 | 2-Yr. Avg. | test avg | 2007 | 2006 | 2-Yr. Avg. | Stand | Bloom | Height | | |
| | | | | | | | | (%) | (d) | (in.) | (%) | (%) |
| Hornet | --- | 2283 | --- | --- | 50 | --- | --- | --- | --- | 32 | 1.0 | 38.0 |
| DSV06201 | --- | --- | --- | --- | 50 | --- | --- | --- | --- | 31 | 1.0 | 38.6 |
| Satori | --- | --- | --- | --- | 48 | --- | --- | --- | --- | 26 | 0.7 | 38.4 |
| SLM0402 | --- | --- | --- | --- | 45 | --- | --- | --- | --- | 27 | 1.0 | 40.2 |
| Rally | --- | 2280 | --- | --- | 40 | --- | --- | --- | --- | 26 | 0.0 | 38.5 |
| NPZ0591RR | --- | --- | --- | --- | 40 | --- | --- | --- | --- | 27 | 2.3 | 37.2 |
| X02W534C | --- | --- | --- | --- | 33 | --- | --- | --- | --- | 26 | 0.3 | 37.4 |
| SW Gospel | --- | --- | --- | --- | 28 | --- | --- | --- | --- | 25 | 1.0 | 40.2 |
| X01W692C | --- | --- | --- | --- | 27 | --- | --- | --- | --- | 28 | 0.7 | 38.0 |
| X01W522C | --- | --- | --- | --- | 22 | --- | --- | --- | --- | 30 | 0.3 | --- |
| Sitro | --- | --- | --- | --- | 20 | --- | --- | --- | --- | 31 | 0.0 | 39.0 |
| Ovation | --- | --- | --- | --- | 20 | --- | --- | --- | --- | 27 | 0.0 | 38.2 |
| Viking | --- | --- | --- | --- | 15 | --- | --- | --- | --- | 27 | 0.0 | 35.2 |
| TCI.06.M2 | --- | --- | --- | --- | 13 | --- | --- | --- | --- | 28 | 0.7 | 40.1 |
| Kalif | --- | --- | --- | --- | 10 | --- | --- | --- | --- | 25 | 0.0 | 37.8 |
| DKW13-86 | --- | 1757 | --- | --- | 5 | --- | --- | --- | --- | 31 | 1.0 | --- |
| Hybristar | --- | --- | --- | --- | 3 | --- | --- | --- | --- | 32 | 0.0 | --- |
| Baros | --- | --- | --- | --- | 3 | --- | --- | --- | --- | 30 | 0.0 | --- |
| Mean | --- | --- | --- | --- | 66 | --- | --- | --- | --- | 30 | 1.5 | 38.3 |
| CV (%) | --- | --- | --- | --- | 22 | --- | --- | --- | --- | 6 | 108.1 | 2.4 |
| LSD (0.05) | --- | --- | --- | --- | 23 | --- | --- | --- | --- | 3 | 2.6 | 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.

Chickasha, Oklahoma

Don Hooper, South Central Research Station,
 Oklahoma State University
 Planted: 9/20/06 at 5 lbs/a in 9-in. rows
 Harvested: 6/13/2007
 Herbicides: Treflan 1.5 pt/a
 Insecticides:
 Fertility: 92-0-0 lbs. N-P-K fertilizer in fall
 30-0-0-15 lbs. N-P-K-S fertilizer in spring
 Previous Crop: Canola
 Elevation: 1085 ft Latitude: 35°02N
 Comments: Heavy rains and standing water contributed to reduction in yield potential. Strong winds caused high shatter losses.

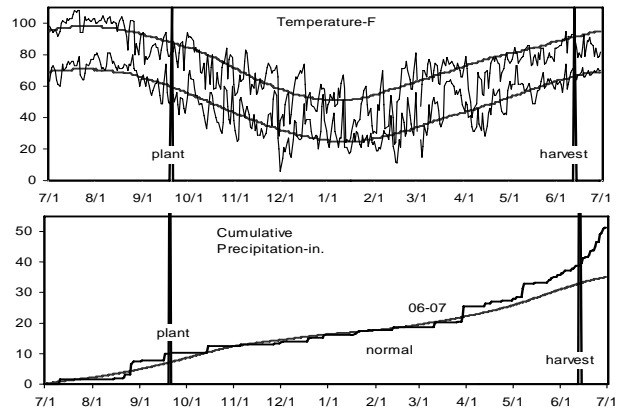


Table 23. Results from the 2007 National Winter Canola Variety Trial at Chickasha, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Winter Survival (%) | | | Fall Stand | Plant Ht | Lodging | Shatter | Moisture | Test Wt | Total Oil |
|-----------|---------------|------|-------|---------------------|------|------|---------------------|--------|-------|------------|----------|---------|----------|----------|---------|-----------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) | | |
| KS4022 | 1191 | --- | --- | 266 | 100 | --- | --- | 6.3 | 48 | 20 | 2 | 9.1 | 51.0 | 36.0 | | |
| KS7436 | 945 | 521 | 733 | 211 | 99 | 93 | 96 | 7.0 | 53 | 17 | 50 | 9.1 | 52.5 | 35.5 | | |
| Kadore | 938 | --- | --- | 210 | 95 | --- | --- | 7.3 | 45 | 0 | 23 | 8.3 | 51.0 | 32.6 | | |
| ARC98015 | 923 | --- | --- | 206 | 98 | --- | --- | 3.3 | 58 | 7 | 47 | 9.7 | 51.8 | 35.6 | | |
| KS4085 | 852 | --- | --- | 190 | 99 | --- | --- | 7.7 | 55 | 17 | 37 | 9.5 | 51.5 | 35.3 | | |
| Jetton | 802 | 438 | 620 | 179 | 93 | 100 | 97 | 8.0 | 49 | 0 | 33 | 8.0 | 52.0 | 34.6 | | |
| KS3302 | 800 | --- | --- | 179 | 99 | --- | --- | 7.3 | 48 | 13 | 60 | 7.6 | 52.6 | 36.0 | | |
| Virginia | 755 | 431 | 593 | 169 | 95 | 91 | 93 | 6.3 | 46 | 0 | 10 | 8.0 | 51.7 | 34.4 | | |
| ARC97018 | 730 | 514 | 622 | 163 | 99 | 100 | 99 | 3.7 | 51 | 10 | 52 | 8.8 | 52.2 | 35.6 | | |
| KS3132 | 702 | --- | --- | 157 | 98 | --- | --- | 6.7 | 52 | 10 | 60 | 8.9 | 51.7 | 34.6 | | |
| Hornet | 690 | 261 | 476 | 154 | 94 | 98 | 96 | 7.3 | 49 | 17 | 10 | 8.4 | 49.4 | 36.0 | | |
| ARC98007 | 679 | 464 | 571 | 152 | 97 | 100 | 99 | 3.3 | 55 | 33 | 53 | 8.8 | 51.9 | 35.5 | | |
| ARC2180-1 | 667 | 547 | 607 | 149 | 97 | 100 | 98 | 2.0 | 55 | 37 | 13 | 9.1 | 51.4 | 34.6 | | |
| KS9135 | 637 | 542 | 589 | 142 | 96 | 98 | 97 | 8.0 | 51 | 37 | 40 | 9.2 | 49.1 | 35.0 | | |
| X01W692C | 632 | --- | --- | 141 | 93 | --- | --- | 7.0 | 50 | 53 | 67 | 7.9 | 52.8 | 35.7 | | |
| KS3254 | 628 | 246 | 437 | 140 | 98 | 99 | 98 | 7.3 | 51 | 20 | 57 | 10.1 | 50.2 | 35.4 | | |
| Flash | 623 | 283 | 453 | 139 | 94 | 99 | 97 | 6.3 | 52 | 7 | 0 | 8.2 | 48.4 | 35.1 | | |
| X01W522C | 613 | --- | --- | 137 | 78 | --- | --- | 8.0 | 49 | 3 | 37 | 8.5 | 50.4 | 34.5 | | |
| Sitro | 611 | --- | --- | 137 | 85 | --- | --- | 7.0 | 51 | 41 | 17 | 7.8 | 52.9 | 33.4 | | |
| KS3077 | 575 | --- | --- | 128 | 97 | --- | --- | 6.3 | 53 | 20 | 33 | 8.8 | 51.2 | 34.9 | | |
| MH 604001 | 566 | --- | --- | 127 | 96 | --- | --- | 6.0 | 49 | 43 | 53 | 8.1 | 50.5 | 35.1 | | |
| TCI.06.M1 | 560 | --- | --- | 125 | 91 | --- | --- | 7.7 | 47 | 27 | 57 | 8.0 | 52.1 | 37.1 | | |
| KS3074 | 541 | 422 | 482 | 121 | 97 | 100 | 98 | 7.0 | 51 | 27 | 50 | 8.2 | 52.3 | 35.0 | | |
| ARC97019 | 518 | 407 | 463 | 116 | 83 | 100 | 92 | 5.0 | 53 | 27 | 50 | 9.0 | 52.1 | 35.0 | | |
| Ovation | 506 | --- | --- | 113 | 68 | --- | --- | 8.3 | 48 | 10 | 1 | 9.4 | --- | 34.6 | | |
| DSV06202 | 456 | --- | --- | 102 | 96 | --- | --- | 6.7 | 51 | 43 | 30 | 8.9 | 50.5 | 35.4 | | |
| Plainsman | 439 | 255 | 347 | 98 | 100 | 99 | 100 | 3.0 | 57 | 23 | 80 | 9.6 | 51.2 | 34.6 | | |
| NPZ0404 | 433 | --- | --- | 97 | 97 | --- | --- | 7.3 | 46 | 47 | 72 | 8.4 | 51.9 | 36.6 | | |
| NPZ0391RR | 425 | --- | --- | 95 | 85 | --- | --- | 8.0 | 49 | 40 | 23 | 8.7 | 52.0 | 35.5 | | |
| Abilene | 425 | 327 | 376 | 95 | 100 | 99 | 100 | 4.0 | 51 | 27 | 37 | 8.6 | 52.8 | 34.1 | | |
| TCI.06.M4 | 423 | --- | --- | 95 | 99 | --- | --- | 8.0 | 47 | 30 | 65 | 8.2 | 52.5 | 34.3 | | |
| KS3018 | 416 | 203 | 310 | 93 | 99 | 98 | 98 | 6.7 | 48 | 50 | 33 | 8.7 | 50.5 | 34.8 | | |
| Rasmus | 409 | --- | --- | 91 | 97 | --- | --- | 6.0 | 46 | 33 | 33 | 8.1 | 51.1 | 35.1 | | |
| Rally | 398 | 219 | 309 | 89 | 91 | 99 | 95 | 8.7 | 52 | 58 | 22 | 7.6 | 49.2 | 35.6 | | |
| DKW13-69 | 381 | --- | --- | 85 | 87 | --- | --- | 7.0 | 50 | 3 | 33 | 8.5 | 52.2 | 33.7 | | |
| Ceres | 319 | 177 | 248 | 71 | 83 | 99 | 91 | 8.0 | 46 | 50 | 70 | 8.9 | 50.3 | 34.4 | | |
| Taurus | 319 | --- | --- | 71 | 94 | --- | --- | 8.0 | 53 | 3 | 72 | 7.9 | 50.6 | 35.8 | | |
| DSV06201 | 313 | --- | --- | 70 | 80 | --- | --- | 7.3 | 52 | 68 | 22 | 7.9 | 51.6 | 35.6 | | |
| Sumner | 293 | 205 | 249 | 66 | 97 | 99 | 98 | 6.7 | 50 | 48 | 70 | 8.7 | 52.8 | 33.6 | | |

Table 23. Results from the 2007 National Winter Canola Variety Trial at Chickasha, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | Fall Stand (0-10) | Plant Ht (in.) | Lodging (%) | Shatter (%) | Moisture (%) | Total Test Wt (lbs/bu) | Total Oil (%) |
|-------------------|---------------|------|-------|---------------------|-----------|------|-------|---------------------|-------------------|----------------|-------------|-------------|--------------|------------------------|---------------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | | | | | | | | |
| Wichita | 288 | 480 | 384 | 64 | 94 | 100 | 97 | 7.3 | 51 | 37 | 40 | 8.7 | 51.4 | 34.7 | |
| Kalif | 282 | --- | --- | 63 | 88 | --- | --- | 8.0 | 45 | 37 | 57 | 8.3 | 51.6 | 34.9 | |
| Trabant | 235 | --- | --- | 53 | 94 | --- | --- | 8.0 | 49 | 30 | 82 | 9.2 | 50.5 | 34.3 | |
| Baldur | 223 | 511 | 367 | 50 | 95 | 100 | 98 | 7.3 | 53 | 80 | 63 | 9.3 | 48.0 | 36.2 | |
| Baros | 222 | --- | --- | 50 | 97 | --- | --- | 7.3 | 47 | 27 | 62 | 8.5 | 49.6 | 35.2 | |
| DKW13-86 | 196 | 308 | 252 | 44 | 85 | 100 | 93 | 8.3 | 50 | 18 | 65 | 8.7 | 49.2 | 34.3 | |
| Kronos | 186 | --- | --- | 42 | 93 | --- | --- | 5.7 | 47 | 80 | 77 | 9.1 | 48.1 | 35.2 | |
| SLM0402 | 162 | --- | --- | 36 | 94 | --- | --- | 6.3 | 52 | 50 | 42 | 8.9 | 51.8 | 35.8 | |
| SW Gospel | 148 | --- | --- | 33 | 62 | --- | --- | 7.0 | 49 | 47 | 37 | 8.9 | 42.8 | 34.6 | |
| Viking | 114 | --- | --- | 26 | 88 | --- | --- | 7.7 | 42 | 78 | 32 | 8.7 | 50.5 | 35.6 | |
| SW Falstaff | 86 | --- | --- | 19 | 93 | --- | --- | 7.0 | 49 | 73 | 75 | 8.4 | 46.3 | 35.9 | |
| Hybristar | 76 | --- | --- | 17 | 58 | --- | --- | 8.0 | 50 | 60 | 31 | 9.0 | 51.9 | 35.5 | |
| NPZ0591RR | 68 | --- | --- | 15 | 86 | --- | --- | 8.3 | 46 | 57 | 68 | 7.7 | 48.5 | 35.7 | |
| X02W534C | 46 | --- | --- | 10 | 80 | --- | --- | 6.0 | 45 | 3 | 44 | 9.6 | 43.7 | 34.4 | |
| Satori | 23 | --- | --- | 5 | 67 | --- | --- | 7.3 | 41 | 3 | 4 | 7.8 | 52.0 | 35.8 | |
| DKW13-62 | 19 | 599 | 309 | 4 | 63 | 99 | 81 | 8.0 | 46 | 96 | 82 | --- | --- | --- | |
| TCI.06.M2 | 0 | --- | --- | 0 | 36 | --- | --- | 8.3 | 0 | 0 | 0 | --- | --- | --- | |
| TCI.06.M3 | 0 | --- | --- | 0 | 96 | --- | --- | 5.0 | 44 | 90 | 81 | --- | --- | --- | |
| Mean | 448 | 385 | --- | 100 | 90 | 99 | --- | 6.8 | 50 | 32 | 45 | 8.7 | 51.0 | 35.1 | |
| CV (%) | 54 | 46 | --- | 54 | 8 | 3 | --- | 11.6 | 5 | 83 | 41 | 7.9 | 4.9 | 2.2 | |
| LSD (0.05) | 391 | NS | --- | 87 | 14 | NS | --- | 1.3 | 6 | 59 | 42 | 1.5 | NS | 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.

Goodwell, Oklahoma

Rick Kochenower, Oklahoma Panhandle Research & Extension Center
 Planted: 9/18/2006 at 5 lbs/a in 7.5-in. rows
 Harvested: 6/26/2007
 Herbicides:
 Insecticides:
 Irrigation: 2 in. fall, 2 in. spring
 Fertility: 50-50-0 lbs. N-P-K fertilizer in fall
 Previous Crop: Wheat
 Soil Type: Richfield clay loam
 Elevation: 3239 ft Latitude: 36°36N
 Comments: Adequate moisture resulted in excellent yields.

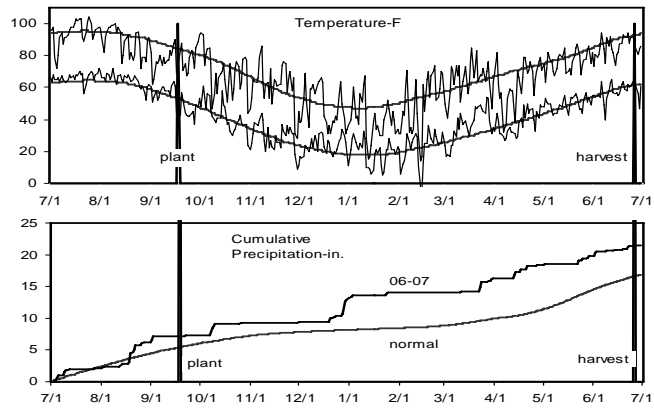


Table 24. Results from the 2007 National Winter Canola Variety Trial at Goodwell, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand (0-10) | Plant Height (in.) | Lodging (%) | Shatter (%) | Moisture (%) | Total Test Wt (lbs/bu) | Total Oil (%) |
|-----------|---------------|------|------------|---------------------|------|------|------------|-------------------|--------------------|-------------|-------------|--------------|------------------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | | | | | | | |
| Sitro | 3808 | --- | --- | 131 | --- | --- | --- | 8.7 | 49 | 7 | 0 | 7.4 | 51.1 | 39.4 |
| Hornet | 3709 | --- | --- | 127 | --- | --- | --- | 9.3 | 56 | 20 | 3 | 7.4 | 51.4 | 39.8 |
| SLM0402 | 3558 | --- | --- | 122 | --- | --- | --- | 9.0 | 49 | 0 | 2 | 7.6 | 51.1 | 40.0 |
| Flash | 3377 | --- | --- | 116 | --- | --- | --- | 10.0 | 54 | 0 | 0 | 7.6 | 51.7 | 38.4 |
| Kronos | 3367 | --- | --- | 116 | --- | --- | --- | 9.3 | 57 | 0 | 7 | 7.8 | 52.2 | 38.3 |
| DSV06202 | 3366 | --- | --- | 116 | --- | --- | --- | 8.0 | 46 | 0 | 2 | 7.9 | 51.3 | 39.3 |
| X01W692C | 3328 | --- | --- | 114 | --- | --- | --- | 8.7 | 47 | 0 | 3 | 8.3 | 51.3 | 38.9 |
| ARC97018 | 3183 | --- | --- | 109 | --- | --- | --- | 9.0 | 55 | 0 | 5 | 7.9 | 51.7 | 37.0 |
| ARC2180-1 | 3180 | --- | --- | 109 | --- | --- | --- | 9.3 | 54 | 0 | 5 | 7.8 | 50.7 | 37.4 |
| KS3254 | 3172 | --- | --- | 109 | --- | --- | --- | 9.7 | 55 | 0 | 2 | 7.9 | 51.5 | 38.0 |
| Baldur | 3140 | --- | --- | 108 | --- | --- | --- | 9.0 | 53 | 0 | 3 | 7.8 | 51.4 | 38.9 |
| TCl.06.M4 | 3121 | --- | --- | 107 | --- | --- | --- | 9.0 | 51 | 0 | 2 | 7.8 | 50.9 | 38.7 |
| Rally | 3115 | --- | --- | 107 | --- | --- | --- | 9.3 | 53 | 0 | 0 | 8.0 | 50.9 | 37.9 |
| KS3302 | 3087 | --- | --- | 106 | --- | --- | --- | 10.0 | 51 | 0 | 3 | 7.9 | 50.4 | 39.4 |
| NPZ0404 | 3070 | --- | --- | 105 | --- | --- | --- | 9.0 | 48 | 0 | 0 | 7.6 | 51.3 | 40.2 |
| DSV06201 | 3068 | --- | --- | 105 | --- | --- | --- | 10.0 | 49 | 0 | 0 | 7.7 | 51.4 | 39.3 |
| Wichita | 3055 | --- | --- | 105 | --- | --- | --- | 9.7 | 52 | 0 | 0 | 7.5 | 51.6 | 37.4 |
| KS3077 | 3053 | --- | --- | 105 | --- | --- | --- | 9.0 | 53 | 0 | 5 | 7.6 | 51.4 | 38.5 |
| KS7436 | 3014 | --- | --- | 103 | --- | --- | --- | 9.7 | 54 | 2 | 3 | 8.1 | 50.9 | 38.2 |
| Kadore | 3014 | --- | --- | 103 | --- | --- | --- | 10.0 | 46 | 0 | 0 | 8.5 | 51.6 | 36.3 |
| X01W522C | 3007 | --- | --- | 103 | --- | --- | --- | 10.0 | 53 | 0 | 0 | 7.9 | 51.5 | 37.9 |
| Jetton | 3005 | --- | --- | 103 | --- | --- | --- | 9.3 | 47 | 0 | 0 | 7.9 | 50.6 | 37.3 |
| KS4022 | 3001 | --- | --- | 103 | --- | --- | --- | 10.0 | 50 | 0 | 2 | 8.0 | 49.1 | 38.1 |
| Virginia | 2998 | --- | --- | 103 | --- | --- | --- | 8.7 | 48 | 0 | 2 | 7.9 | 50.5 | 37.5 |
| TCl.06.M3 | 2991 | --- | --- | 103 | --- | --- | --- | 9.0 | 50 | 0 | 0 | 7.8 | 50.7 | 39.0 |
| Taurus | 2990 | --- | --- | 103 | --- | --- | --- | 9.7 | 49 | 0 | 2 | 7.6 | 51.4 | 40.5 |
| MH60400 | 2974 | --- | --- | 102 | --- | --- | --- | 9.0 | 48 | 0 | 0 | 7.4 | 51.4 | 38.1 |
| X02W534C | 2973 | --- | --- | 102 | --- | --- | --- | 9.0 | 49 | 0 | 0 | 7.1 | 51.8 | 39.1 |
| NPZ0391RR | 2923 | --- | --- | 100 | --- | --- | --- | 9.0 | 53 | 0 | 0 | 10.1 | 50.2 | 37.1 |
| Sumner | 2921 | --- | --- | 100 | --- | --- | --- | 9.7 | 48 | 3 | 0 | 7.4 | 50.9 | 38.4 |
| Trabant | 2909 | --- | --- | 100 | --- | --- | --- | 10.0 | 48 | 0 | 2 | 8.0 | 50.8 | 38.8 |
| Satori | 2887 | --- | --- | 99 | --- | --- | --- | 8.7 | 45 | 2 | 2 | 7.4 | 50.0 | 40.8 |
| KS9135 | 2879 | --- | --- | 99 | --- | --- | --- | 9.3 | 55 | 10 | 5 | 7.5 | 51.6 | 37.4 |
| KS3018 | 2877 | --- | --- | 99 | --- | --- | --- | 9.3 | 50 | 2 | 0 | 7.8 | 51.1 | 37.8 |
| Ceres | 2868 | --- | --- | 98 | --- | --- | --- | 9.7 | 50 | 7 | 8 | 8.6 | 51.4 | 38.2 |
| ARC97019 | 2862 | --- | --- | 98 | --- | --- | --- | 9.3 | 55 | 0 | 5 | 7.6 | 51.2 | 37.5 |
| Hybristar | 2797 | --- | --- | 96 | --- | --- | --- | 8.7 | 50 | 0 | 0 | 7.5 | 50.6 | 39.0 |
| KS3074 | 2770 | --- | --- | 95 | --- | --- | --- | 9.0 | 52 | 0 | 8 | 7.8 | 50.8 | 39.6 |
| Rasmus | 2765 | --- | --- | 95 | --- | --- | --- | 8.3 | 47 | 0 | 0 | 7.9 | 50.5 | 38.0 |
| TCl.06.M1 | 2750 | --- | --- | 94 | --- | --- | --- | 9.3 | 48 | 2 | 3 | 7.6 | 50.3 | 40.5 |

Table 24. Results from the 2007 National Winter Canola Variety Trial at Goodwell, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | Plant Height | Lodging | Shattering | Moisture | Test Wt | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-------|------------|--------------|---------|------------|----------|---------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) | | |
| KS3132 | 2735 | --- | --- | 94 | --- | --- | --- | 9.7 | 56 | 3 | 7 | 7.9 | 50.7 | 38.5 | | |
| NPZ0591RR | 2711 | --- | --- | 93 | --- | --- | --- | 9.3 | 52 | 0 | 2 | 7.6 | 52.1 | 37.0 | | |
| SW Falstaff | 2706 | --- | --- | 93 | --- | --- | --- | 9.7 | 48 | 0 | 0 | 8.2 | 50.2 | 39.4 | | |
| Baros | 2681 | --- | --- | 92 | --- | --- | --- | 8.3 | 46 | 0 | 3 | 7.3 | 51.4 | 39.1 | | |
| ARC98007 | 2661 | --- | --- | 91 | --- | --- | --- | 8.3 | 58 | 3 | 7 | 7.8 | 50.9 | 38.3 | | |
| Kalif | 2655 | --- | --- | 91 | --- | --- | --- | 9.3 | 46 | 0 | 0 | 7.3 | 51.6 | 39.6 | | |
| ARC98015 | 2637 | --- | --- | 90 | --- | --- | --- | 8.7 | 62 | 0 | 12 | 7.9 | 51.3 | 38.6 | | |
| DKW13-69 | 2635 | --- | --- | 90 | --- | --- | --- | 9.3 | 46 | 10 | 3 | 7.7 | 50.7 | 39.5 | | |
| DKW13-86 | 2530 | --- | --- | 87 | --- | --- | --- | 9.7 | 49 | 0 | 3 | 7.2 | 51.1 | 39.7 | | |
| SW Gospel | 2528 | --- | --- | 87 | --- | --- | --- | 10.0 | 46 | 0 | 0 | 8.8 | 51.6 | 38.4 | | |
| KS4085 | 2479 | --- | --- | 85 | --- | --- | --- | 9.7 | 54 | 0 | 5 | 7.6 | 50.5 | 38.0 | | |
| Viking | 2478 | --- | --- | 85 | --- | --- | --- | 9.7 | 47 | 0 | 2 | 7.4 | 52.4 | 37.6 | | |
| Plainsman | 2398 | --- | --- | 82 | --- | --- | --- | 7.3 | 55 | 0 | 5 | 7.8 | 50.8 | 36.7 | | |
| Abilene | 2380 | --- | --- | 82 | --- | --- | --- | 7.7 | 54 | 0 | 2 | 8.0 | 50.9 | 36.9 | | |
| Ovation | 2358 | --- | --- | 81 | --- | --- | --- | 9.7 | 51 | 0 | 0 | 7.7 | 51.3 | 37.5 | | |
| DKW13-62 | 2347 | --- | --- | 81 | --- | --- | --- | 10.0 | 50 | 0 | 5 | 6.9 | 51.6 | 38.7 | | |
| TCI.06.M2 | 2088 | --- | --- | 72 | --- | --- | --- | 9.7 | 47 | 3 | 2 | 7.1 | 50.5 | 41.8 | | |
| Mean | 2914 | --- | --- | 100 | --- | --- | --- | 9.2 | 51 | 1 | 3 | 7.8 | 51.1 | 38.5 | | |
| CV (%) | 10 | --- | --- | 10 | --- | --- | --- | 9.0 | 8 | 461 | 137 | 8.6 | 1.4 | 1.6 | | |
| LSD (0.05) | 516 | --- | --- | 18 | --- | --- | --- | 1.3 | 7 | NS | 5 | 1.1 | 1.2 | 1.2 | | |

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

Lahoma, Oklahoma

Ray Sidwell, North Central Research Station,
Oklahoma State University

Planted: 9/19/2007 at 5 lbs/a in 9-in. rows

Harvested: 6/8/2007

Herbicides: Treflan 1.5 pt/a

Insecticides:

Fertility: 40-0-0 lbs. N-P-K fertilizer in fall
80-0-0 lbs. N-P-K fertilizer in spring

Previous Crop: Wheat

Soil Type: Grant silt loam

Elevation: 1236 ft Latitude: 36°23N

Comments: Plot was in excellent condition throughout growing season. Harvested at high moisture content resulting in some yield losses.

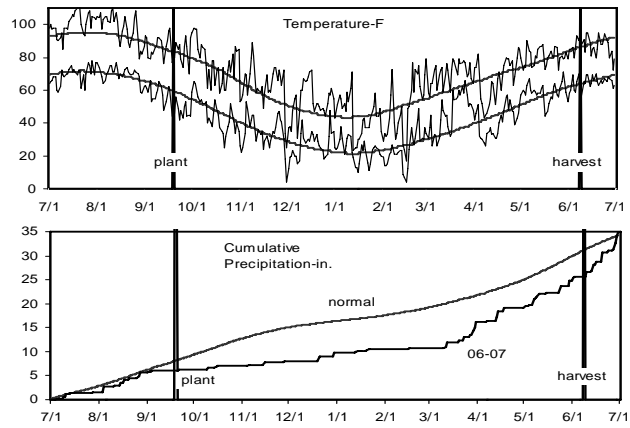


Table 25. Results from the 2007 National Winter Canola Variety Trial at Lahoma, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand Height | | Lodging | Shatter | Moisture | Test Weight | Total Oil |
|-------------|---------------|------|------------|---------------------|------|------------|--------|-------------------|-----|---------|---------|----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) | |
| SLM0402 | 1774 | --- | --- | 143 | --- | --- | --- | 6.3 | 48 | --- | 0 | 10.1 | 48.2 | 38.1 |
| TCI.06.M1 | 1630 | --- | --- | 132 | --- | --- | --- | 6.3 | 49 | --- | 3 | 8.1 | 48.3 | 41.1 |
| Baldur | 1503 | 1065 | 1284 | 121 | --- | --- | --- | 6.7 | 48 | --- | 2 | 9.1 | 48.7 | 39.4 |
| ARC98007 | 1502 | 970 | 1236 | 121 | --- | --- | --- | 3.7 | 53 | --- | 6 | 10.0 | 48.5 | 39.1 |
| Viking | 1495 | --- | --- | 121 | --- | --- | --- | 6.7 | 45 | --- | 4 | 9.0 | 50.9 | 38.1 |
| KS3077 | 1487 | --- | --- | 120 | --- | --- | --- | 7.0 | 51 | --- | 2 | 8.2 | 47.7 | 38.5 |
| MH 604001 | 1462 | --- | --- | 118 | --- | --- | --- | 6.3 | 47 | --- | 8 | 8.8 | 45.3 | 37.1 |
| NPZ0591RR | 1457 | --- | --- | 118 | --- | --- | --- | 6.3 | 49 | --- | 3 | 8.3 | 46.1 | 39.1 |
| Abilene | 1447 | 1044 | 1246 | 117 | --- | --- | --- | 6.0 | 49 | --- | 13 | 8.3 | 49.5 | 37.5 |
| KS3074 | 1436 | 1053 | 1244 | 116 | --- | --- | --- | 7.0 | 51 | --- | 6 | 7.9 | 49.6 | 37.6 |
| KS9135 | 1436 | 995 | 1215 | 116 | --- | --- | --- | 7.0 | 51 | --- | 2 | 8.3 | 48.1 | 38.5 |
| Flash | 1383 | 824 | 1104 | 112 | --- | --- | --- | 7.0 | 51 | --- | 0 | 10.4 | 48.3 | 38.5 |
| Kronos | 1375 | 976 | 1176 | 111 | --- | --- | --- | 8.0 | 51 | --- | 2 | 9.6 | 45.3 | 38.5 |
| NPZ0391RR | 1368 | --- | --- | 111 | --- | --- | --- | 5.7 | 50 | --- | 0 | 8.5 | 45.6 | 38.1 |
| X01W522C | 1360 | --- | --- | 110 | --- | --- | --- | 7.3 | 47 | --- | 1 | 7.8 | 46.6 | 38.2 |
| NPZ0404 | 1353 | --- | --- | 109 | --- | --- | --- | 7.0 | 46 | --- | 8 | 8.6 | 48.3 | 38.9 |
| ARC97019 | 1342 | 1029 | 1185 | 108 | --- | --- | --- | 4.0 | 51 | --- | 2 | 9.6 | 46.8 | 37.8 |
| Sitro | 1329 | --- | --- | 107 | --- | --- | --- | 8.0 | 49 | --- | 0 | 9.1 | 47.3 | 38.5 |
| Wichita | 1327 | 1115 | 1221 | 107 | --- | --- | --- | 7.7 | 47 | --- | 5 | 8.0 | 49.6 | 38.2 |
| DKW13-86 | 1321 | 907 | 1114 | 107 | --- | --- | --- | 7.3 | 46 | --- | 2 | 8.2 | 48.5 | 39.0 |
| X01W692C | 1313 | --- | --- | 106 | --- | --- | --- | 6.3 | 48 | --- | 3 | 8.6 | 47.0 | 39.0 |
| KS4085 | 1301 | --- | --- | 105 | --- | --- | --- | 7.3 | 51 | --- | 2 | 7.1 | 47.5 | 38.6 |
| Ceres | 1295 | 426 | 860 | 105 | --- | --- | --- | 6.7 | 46 | --- | 3 | 9.3 | 47.2 | 37.1 |
| Trabant | 1291 | --- | --- | 104 | --- | --- | --- | 7.3 | 46 | --- | 4 | 8.9 | 46.4 | 39.1 |
| X02W534C | 1287 | --- | --- | 104 | --- | --- | --- | 7.3 | 44 | --- | 1 | 7.4 | 49.4 | 37.9 |
| ARC97018 | 1282 | 989 | 1135 | 104 | --- | --- | --- | 4.3 | 51 | --- | 1 | 8.8 | 47.3 | 37.4 |
| DSV06202 | 1281 | --- | --- | 104 | --- | --- | --- | 6.0 | 47 | --- | 1 | 7.6 | 47.4 | 38.3 |
| ARC98015 | 1280 | 868 | 1074 | 103 | --- | --- | --- | 5.3 | 55 | --- | 3 | 10.2 | 46.0 | 38.8 |
| Virginia | 1273 | 770 | 1021 | 103 | --- | --- | --- | 5.7 | 46 | --- | 0 | 10.8 | 46.9 | 38.5 |
| TCI.06.M2 | 1267 | --- | --- | 102 | --- | --- | --- | 7.7 | 47 | --- | 1 | 9.0 | 48.8 | 42.6 |
| Kadore | 1259 | --- | --- | 102 | --- | --- | --- | 5.7 | 43 | --- | 1 | 9.4 | 46.1 | 37.2 |
| Sumner | 1254 | 786 | 1020 | 101 | --- | --- | --- | 6.7 | 44 | --- | 8 | 7.4 | 50.9 | 38.6 |
| KS7436 | 1247 | 740 | 994 | 101 | --- | --- | --- | 7.3 | 47 | --- | 2 | 7.6 | 46.6 | 38.2 |
| ARC2180-1 | 1238 | 812 | 1025 | 100 | --- | --- | --- | 5.3 | 54 | --- | 3 | 9.3 | 46.2 | 37.0 |
| KS3254 | 1219 | 1089 | 1154 | 98 | --- | --- | --- | 7.0 | 51 | --- | 2 | 8.2 | 45.3 | 38.7 |
| Hornet | 1204 | 1275 | 1239 | 97 | --- | --- | --- | 7.0 | 51 | --- | 0 | 8.3 | 45.1 | 39.4 |
| Taurus | 1186 | --- | --- | 96 | --- | --- | --- | 7.0 | 48 | --- | 1 | 9.5 | 43.5 | 39.7 |
| SW Falstaff | 1180 | --- | --- | 95 | --- | --- | --- | 7.7 | 46 | --- | 0 | 8.7 | 46.4 | 39.3 |
| Jetton | 1169 | 782 | 975 | 94 | --- | --- | --- | 6.7 | 47 | --- | 1 | 7.6 | 43.9 | 37.9 |

Table 25. Results from the 2007 National Winter Canola Variety Trial at Lahoma, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | Height | Lodging | Shatter | Moisture | Test Weight | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-------|------------|--------|---------|----------|----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) | | |
| Rasmus | 1142 | 659 | 901 | 92 | --- | --- | --- | 5.7 | 48 | --- | 1 | 8.9 | 44.5 | 38.1 | | |
| Hybristar | 1140 | --- | --- | 92 | --- | --- | --- | 7.3 | 47 | --- | 1 | 7.2 | 45.8 | 37.9 | | |
| Satori | 1125 | --- | --- | 91 | --- | --- | --- | 7.0 | 43 | --- | 1 | 7.2 | 46.9 | 39.2 | | |
| KS3302 | 1110 | --- | --- | 90 | --- | --- | --- | 5.3 | 49 | --- | 3 | 7.3 | 48.6 | 38.0 | | |
| DKW13-69 | 1108 | --- | --- | 90 | --- | --- | --- | 5.7 | 48 | --- | 3 | 7.3 | 48.0 | 37.6 | | |
| DSV06201 | 1065 | --- | --- | 86 | --- | --- | --- | 7.0 | 51 | --- | 0 | 8.0 | 44.2 | 38.9 | | |
| TCI.06.M4 | 1054 | --- | --- | 85 | --- | --- | --- | 6.3 | 47 | --- | 1 | 8.5 | 45.4 | 37.6 | | |
| KS3018 | 1039 | 979 | 1009 | 84 | --- | --- | --- | 5.7 | 50 | --- | 20 | 7.6 | 49.2 | 38.0 | | |
| Baros | 1032 | --- | --- | 83 | --- | --- | --- | 6.3 | 46 | --- | 2 | 8.5 | 47.5 | 38.0 | | |
| KS3132 | 1028 | --- | --- | 83 | --- | --- | --- | 6.7 | 47 | --- | 4 | 8.8 | 48.6 | 38.9 | | |
| Kalif | 1011 | --- | --- | 82 | --- | --- | --- | 7.3 | 43 | --- | 1 | 7.6 | 46.8 | 38.7 | | |
| Ovation | 1002 | --- | --- | 81 | --- | --- | --- | 7.3 | 47 | --- | 0 | 9.5 | 47.4 | 38.3 | | |
| DKW13-62 | 981 | 764 | 872 | 79 | --- | --- | --- | 8.7 | 47 | --- | 5 | 8.6 | 46.2 | 40.2 | | |
| KS4022 | 966 | --- | --- | 78 | --- | --- | --- | 6.3 | 49 | --- | 4 | 7.8 | 47.3 | 37.4 | | |
| SW Gospel | 901 | --- | --- | 73 | --- | --- | --- | 7.3 | 43 | --- | 1 | 8.0 | 47.0 | 37.7 | | |
| TCI.06.M3 | 818 | --- | --- | 66 | --- | --- | --- | 6.3 | 44 | --- | 2 | 7.2 | 47.5 | 35.7 | | |
| Plainsman | 724 | 755 | 739 | 58 | --- | --- | --- | 5.3 | 53 | --- | 6 | 7.5 | 44.3 | 36.7 | | |
| Rally | 683 | 1167 | 925 | 55 | --- | --- | --- | 7.3 | 49 | --- | 0 | 7.3 | 45.1 | 37.9 | | |
| Mean | 1238 | --- | --- | 100 | --- | --- | --- | 6.6 | 48 | --- | 3 | 8.5 | 47.1 | 38.4 | | |
| CV (%) | 10 | --- | --- | 10 | --- | --- | --- | 15.6 | 4 | --- | 115 | 17.9 | 6.5 | 1.4 | | |
| LSD (0.05) | 208 | --- | --- | 17 | --- | --- | --- | 1.7 | 3 | --- | 5 | 2.5 | 4.9 | 1.1 | | |

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

Perkins, Oklahoma

Rick Matheson & Josh Massey, Cimarron Valley Research Station, Oklahoma State University

Planted: 9/21/2007 at 5 lbs/a in 9-in. rows

Harvested: 6/7/2007

Herbicides: Treflan 1.5 pt/a

Insecticides:

Fertility: 50-0-0 lbs. N-P-K fertilizer in fall
50-0-0 lbs. N-P-K fertilizer in spring

Previous Crop: Wheat

Soil Type: Tiller sandy loam

Elevation: 896 ft Latitude: 35°58N

Comments: Heavy rainfall and standing water contributed to yield loss. Excessive winds resulted in shattering.

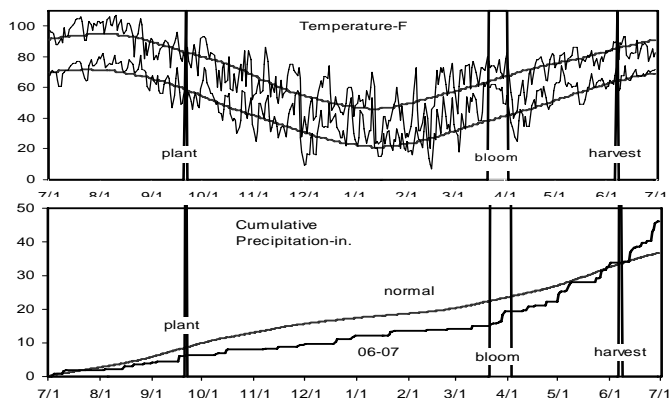


Table 26. Results from the 2007 National Winter Canola Variety Trial at Perkins, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | Winter Survival (%) | | | Fall Stand | Vig or* | 50% BLM | Plant Ht | Lodg ing | Shat ter | Moist ure | Test Wt | Total Oil |
|-------------|---------------|------|-------|---------------------|---------------------|------|-------|------------|---------|---------|----------|----------|----------|-----------|----------|-----------|
| | 2007 | 2006 | 2-Yr. | 2007 | 2007 | 2006 | 2-Yr. | (0-10) | (1-5) | (d) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) |
| KS4022 | 1587 | --- | --- | 189 | 100 | --- | --- | 7.3 | 3.3 | 86 | 53 | 0 | 0 | 8.2 | 51.7 | 37.3 |
| Kadore | 1521 | --- | --- | 181 | 70 | --- | --- | 7.7 | 4.7 | 92 | 47 | 0 | 2 | 8.8 | 53.5 | 36.1 |
| KS3254 | 1277 | 229 | 753 | 152 | 100 | 99 | 100 | 8.3 | 3.7 | 90 | 48 | 0 | 8 | 8.4 | 52.6 | 38.3 |
| Flash | 1222 | 160 | 691 | 145 | 91 | 99 | 95 | 7.3 | 4.3 | 90 | 51 | 0 | 0 | 7.5 | 53.8 | 36.9 |
| Hornet | 1218 | 281 | 750 | 145 | 99 | --- | 99 | 7.7 | 4.7 | 86 | 52 | 2 | 0 | 7.5 | 52.9 | 38.0 |
| Wichita | 1190 | 283 | 736 | 141 | 100 | 100 | 100 | 7.0 | 3.0 | 87 | 48 | 7 | 0 | 7.5 | 52.7 | 37.0 |
| KS3077 | 1153 | --- | --- | 137 | 100 | --- | --- | 7.0 | 3.0 | 92 | 55 | 2 | 0 | 8.3 | 52.0 | 37.0 |
| ARC98007 | 1150 | 271 | 710 | 137 | 96 | 100 | 98 | 4.3 | 2.3 | 88 | 51 | 0 | 7 | 8.0 | 51.5 | 38.3 |
| ARC2180-1 | 1140 | 326 | 733 | 136 | 99 | 99 | 99 | 3.7 | 3.0 | 88 | 54 | 3 | 3 | 9.2 | 50.9 | 37.3 |
| KS3018 | 1130 | 185 | 658 | 134 | 100 | 100 | 100 | 7.7 | 4.3 | 84 | 51 | 0 | 5 | 8.0 | 50.7 | 35.7 |
| TCl.06.M1 | 1120 | --- | --- | 133 | 100 | --- | --- | 7.7 | 3.7 | 87 | 49 | 5 | 10 | 7.5 | 51.5 | 41.2 |
| KS4085 | 1112 | --- | --- | 132 | 99 | --- | --- | 6.7 | 3.7 | 86 | 49 | 0 | 0 | 7.5 | 52.6 | 37.7 |
| KS7436 | 1087 | 264 | 675 | 129 | 96 | 100 | 98 | 8.3 | 4.7 | 90 | 50 | 7 | 3 | 8.6 | 52.9 | 37.5 |
| KS3302 | 1078 | --- | --- | 128 | 100 | --- | --- | 5.3 | 2.7 | 84 | 45 | 3 | 0 | 7.3 | 50.8 | 37.2 |
| ARC97018 | 1075 | 287 | 681 | 128 | 96 | 93 | 95 | 4.7 | 3.0 | 88 | 50 | 23 | 2 | 8.0 | 52.0 | 36.5 |
| Rally | 1072 | 159 | 616 | 127 | 97 | 95 | 96 | 8.7 | 5.0 | 88 | 49 | 12 | 0 | 7.7 | 52.9 | 36.5 |
| NPZ0404 | 1069 | --- | --- | 127 | 98 | --- | --- | 6.0 | 3.7 | 86 | 50 | 3 | 8 | 7.7 | 53.2 | 37.6 |
| Virginia | 1057 | 212 | 635 | 126 | 98 | 100 | 99 | 6.3 | 2.7 | 88 | 45 | 0 | 0 | 7.4 | 52.9 | 37.0 |
| MH 604001 | 995 | --- | --- | 118 | 99 | --- | --- | 6.0 | 3.3 | 88 | 43 | 0 | 5 | 7.5 | 52.6 | 37.9 |
| X01W522C | 989 | --- | --- | 118 | 94 | --- | --- | 7.7 | 4.0 | 87 | 43 | 10 | 5 | 8.1 | 52.4 | 36.6 |
| Rasmus | 983 | 129 | 556 | 117 | 99 | 97 | 98 | 6.0 | 3.3 | 87 | 49 | 2 | 5 | 8.3 | 51.9 | 37.4 |
| Plainsman | 975 | 111 | 543 | 116 | 100 | 100 | 100 | 4.7 | 2.3 | 90 | 56 | 0 | 2 | 9.1 | 50.7 | 37.1 |
| Ceres | 968 | 108 | 538 | 115 | 88 | 100 | 94 | 9.0 | 5.0 | 92 | 43 | 3 | 2 | 7.8 | 53.0 | 37.0 |
| KS3074 | 959 | 197 | 578 | 114 | 100 | 100 | 100 | 5.0 | 2.7 | 89 | 49 | 0 | 3 | 7.5 | 49.7 | 38.1 |
| NPZ0391RR | 913 | --- | --- | 108 | 96 | --- | --- | 8.3 | 4.0 | 91 | 53 | 8 | 5 | 8.0 | 51.5 | 37.1 |
| Jetton | 905 | 275 | 590 | 108 | 89 | 100 | 95 | 8.0 | 3.7 | 88 | 43 | 18 | 0 | 7.7 | 52.2 | 37.3 |
| Abilene | 893 | 145 | 519 | 106 | 99 | 100 | 99 | 3.3 | 2.3 | 87 | 47 | 7 | 5 | 7.7 | 52.6 | 36.0 |
| SW Falstaff | 876 | --- | --- | 104 | 99 | --- | --- | 8.3 | 4.0 | 91 | 53 | 0 | 3 | 8.5 | 51.9 | 39.2 |
| ARC98015 | 874 | 377 | 626 | 104 | 99 | 100 | 100 | 5.3 | 3.0 | 90 | 44 | 12 | 3 | 8.0 | 52.7 | 38.5 |
| TCl.06.M3 | 842 | --- | --- | 100 | 99 | --- | --- | 6.3 | 4.0 | 81 | 44 | 8 | 7 | 7.4 | 52.4 | 35.9 |
| Baros | 840 | --- | --- | 100 | 97 | --- | --- | 5.0 | 3.0 | 84 | 45 | 3 | 0 | 7.5 | 51.1 | 37.2 |
| DSV06201 | 826 | --- | --- | 98 | 93 | --- | --- | 7.7 | 4.7 | 89 | 47 | 5 | 0 | 8.0 | 52.1 | 38.5 |
| KS3132 | 820 | --- | --- | 97 | 99 | --- | --- | 7.3 | 3.3 | 89 | 47 | 17 | 13 | 7.9 | 49.3 | 37.2 |
| KS9135 | 799 | 292 | 545 | 95 | 99 | 100 | 100 | 8.0 | 3.3 | 90 | 49 | 0 | 7 | 7.8 | 50.1 | 37.2 |
| TCl.06.M4 | 775 | --- | --- | 92 | 99 | --- | --- | 7.3 | 4.0 | 83 | 44 | 7 | 0 | 7.6 | 53.8 | 35.6 |
| DSV06202 | 774 | --- | --- | 92 | 95 | --- | --- | 6.7 | 4.7 | 87 | 48 | 20 | 7 | 7.7 | 53.1 | 37.0 |
| ARC97019 | 757 | 442 | 599 | 90 | 94 | 99 | 97 | 5.3 | 3.3 | 90 | 45 | 13 | 0 | 7.7 | 51.1 | 37.2 |
| Sitro | 749 | --- | --- | 89 | 91 | --- | --- | 7.0 | 4.7 | 87 | 43 | 7 | 0 | 7.8 | 52.8 | 36.3 |
| Kalif | 732 | --- | --- | 87 | 89 | --- | --- | 7.7 | 4.0 | 90 | 40 | 27 | 7 | 7.6 | 48.0 | 38.1 |
| Kronos | 710 | 189 | 449 | 84 | 94 | --- | --- | 8.0 | 4.3 | 91 | 47 | 7 | 5 | 8.1 | 53.0 | 36.9 |

Table 26. Results from the 2007 National Winter Canola Variety Trial at Perkins, OK

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival | | | Fall | Vig | 50% | Plant | Lodg | Shat | Moist | Test Wt | Total |
|-------------------|---------------|------|-------|------------|-----------------|------|-------|-------|------|-----|-------|------|------|-------|---------|-------|
| | 2007 | 2006 | 2-Yr. | test avg | 2007 | 2006 | 2-Yr. | Stand | or* | BLM | Ht | ing | ter | ure | | |
| Ovation | 703 | --- | --- | 84 | 88 | --- | --- | 8.3 | 3.7 | 92 | 43 | 3 | 2 | 7.1 | 54.4 | 38.6 |
| X01W692C | 689 | --- | --- | 82 | 86 | --- | --- | 7.0 | 3.7 | 88 | 45 | 3 | 0 | 8.0 | 52.5 | 37.8 |
| Viking | 665 | --- | --- | 79 | 87 | --- | --- | 7.7 | 4.3 | 88 | 42 | 13 | 0 | 7.8 | 50.6 | 37.5 |
| SLM0402 | 632 | --- | --- | 75 | 98 | --- | --- | 5.7 | 4.3 | 87 | 44 | 17 | 3 | 7.7 | 53.1 | 37.5 |
| Satori | 627 | --- | --- | 75 | 90 | --- | --- | 8.3 | 4.3 | 88 | 44 | 10 | 17 | 7.5 | 52.0 | 38.6 |
| Hybristar | 607 | --- | --- | 72 | 78 | --- | --- | 8.3 | 5.0 | 87 | 42 | 32 | 0 | 7.4 | 49.7 | 36.3 |
| Taurus | 576 | --- | --- | 68 | 94 | --- | --- | 7.7 | 4.3 | 87 | 47 | 23 | 7 | 7.8 | 52.5 | 37.4 |
| Trabant | 547 | --- | --- | 65 | 98 | --- | --- | 7.7 | 4.3 | 88 | 47 | 0 | 80 | 7.7 | 48.8 | 36.1 |
| Sumner | 510 | 170 | 340 | 61 | 97 | 100 | 98 | 5.3 | 3.3 | 87 | 44 | 3 | 0 | 7.9 | 48.9 | 37.2 |
| X02W534C | 436 | --- | --- | 52 | 78 | --- | --- | 8.3 | 4.0 | 85 | 37 | 10 | 0 | 8.1 | 52.9 | 36.0 |
| DKW13-69 | 397 | --- | --- | 47 | 88 | --- | --- | 7.7 | 3.3 | 91 | 45 | 25 | 2 | 7.8 | 52.0 | 37.6 |
| Baldur | 372 | 214 | 293 | 44 | 99 | 100 | 100 | 7.0 | 4.3 | 88 | 45 | 30 | 5 | 7.5 | 53.0 | 37.0 |
| NPZ0591RR | 341 | --- | --- | 40 | 95 | --- | --- | 8.7 | 3.7 | 89 | 43 | 17 | 25 | 7.5 | 53.3 | 37.6 |
| DKW13-86 | 251 | 120 | 186 | 30 | 83 | 93 | 88 | 8.7 | 4.3 | 87 | 39 | 3 | 5 | 7.6 | 53.8 | 37.1 |
| DKW13-62 | 194 | 190 | 192 | 23 | 73 | 93 | 83 | 8.7 | 4.7 | 92 | 44 | 43 | 3 | 7.4 | 50.3 | 36.5 |
| SW Gospel | 155 | --- | --- | 18 | 78 | --- | --- | 7.7 | 3.7 | 92 | 41 | 13 | 8 | 7.9 | 53.0 | 38.0 |
| TCI.06.M2 | 50 | --- | --- | 6 | 42 | --- | --- | 7.3 | 4.0 | 86 | 40 | 2 | 23 | 8.4 | 45.0 | 37.8 |
| Mean | 842 | --- | --- | 100 | 93 | --- | --- | 7.0 | 3.8 | 88 | 47 | 9 | 5 | 7.9 | 51.7 | 37.3 |
| CV (%) | 34 | --- | --- | 34 | 11 | --- | --- | 14.6 | 17.7 | 2 | 9 | 167 | 149 | 8.4 | 4.8 | 1.5 |
| LSD (0.05) | 458 | --- | --- | 54 | 17 | --- | --- | 1.7 | 1.1 | 3 | 7 | NS | 14 | NS | NS | 1.2 |

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other. *Vigor scores rated as 1=poor to 5=excellent.

Tipton, Oklahoma

Chad Godsey & Rocky Thacker, Southwest Agronomy

Research Station, Oklahoma State University

Planted: 9/27/2006 at 5 lbs/a

Harvested: 6/5/2007

Herbicides:

Insecticides:

Irrigation:

Fertility: 16-0-0-18 lbs. N-P-K-S fertilizer in fall

90-0-0 lbs. N-P-K fertilizer in spring

Soil Type: Tipton Soil Series

Elevation: 1274 ft Latitude: 34°26N

Comments: Adequate moisture throughout growing season resulted in high yields.

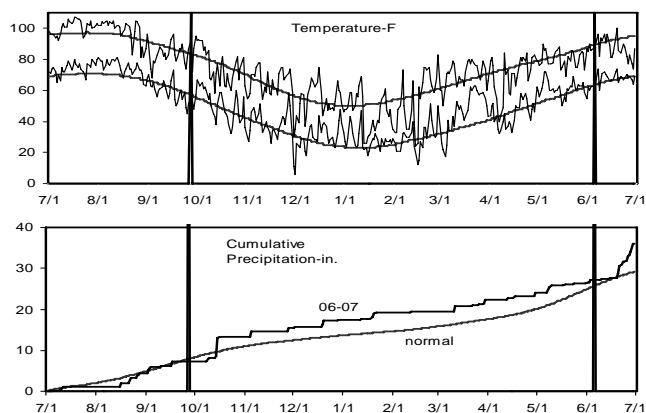


Table 27. Results from the 2007 National Winter Canola Variety Trial at Tipton, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | Plant Ht | Lodg | Shat | Moist | Test | Total |
|-------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-------|------------|----------|------|------|-------|----------|-------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (%) | (%) | (%) | (lbs/bu) | (%) |
| Sitro | 4272 | --- | --- | 149 | 97 | --- | --- | 6.7 | 65 | 0 | 5 | 7.2 | 49.7 | 35.2 | | |
| X01W522C | 3673 | --- | --- | 128 | 93 | --- | --- | 7.0 | 55 | 0 | 5 | 8.8 | 50.0 | 34.5 | | |
| DSV06201 | 3632 | --- | --- | 126 | 97 | --- | --- | 6.7 | 51 | 0 | 5 | 7.8 | 49.9 | 34.9 | | |
| Rally | 3521 | 168 | 1844 | 123 | 90 | 88 | 89 | 8.7 | 50 | 0 | 5 | 9.9 | 47.7 | 34.5 | | |
| NPZ0404 | 3413 | --- | --- | 119 | 98 | --- | --- | 7.0 | 55 | 0 | 5 | 7.4 | 51.0 | 33.9 | | |
| X01W692C | 3335 | --- | --- | 116 | 98 | --- | --- | 7.3 | 55 | 0 | 10 | 8.1 | 49.4 | 35.5 | | |
| Hornet | 3331 | --- | --- | 116 | 95 | --- | --- | 7.0 | 55 | 0 | 5 | 7.9 | 49.9 | 34.9 | | |
| SLM0402 | 3298 | --- | --- | 115 | 97 | --- | --- | 7.0 | 50 | 0 | 5 | 7.5 | 50.5 | 34.5 | | |
| MH 604001 | 3288 | --- | --- | 114 | 97 | --- | --- | 6.7 | 55 | 0 | 5 | 7.3 | 51.1 | 35.0 | | |
| Hybristar | 3275 | --- | --- | 114 | 95 | --- | --- | 9.3 | 55 | 10 | 5 | 8.3 | 45.5 | 34.1 | | |
| KS3132 | 3263 | --- | --- | 114 | 95 | --- | --- | 7.0 | 55 | 0 | 5 | 7.7 | 49.8 | 35.5 | | |
| TCI.06.M1 | 3256 | --- | --- | 113 | 100 | --- | --- | 8.3 | 60 | 10 | 5 | 7.8 | 51.5 | 34.7 | | |
| Viking | 3218 | --- | --- | 112 | 100 | --- | --- | 6.0 | 55 | 0 | 5 | 8.7 | 48.4 | 32.2 | | |
| KS7436 | 3212 | 90 | 1651 | 112 | 97 | 85 | 91 | 8.3 | 50 | 0 | 5 | 8.2 | 49.2 | 36.6 | | |
| Flash | 3202 | 199 | 1701 | 111 | 100 | 87 | 94 | 7.0 | 55 | 0 | 5 | 7.9 | 50.8 | 34.7 | | |
| KS3302 | 3176 | --- | --- | 111 | 97 | --- | --- | 8.0 | 60 | 0 | 10 | 7.4 | 50.1 | 34.8 | | |
| KS3074 | 3070 | 182 | 1626 | 107 | 98 | 87 | 93 | 5.7 | 60 | 0 | 5 | 7.4 | 48.6 | 34.1 | | |
| KS4085 | 3045 | --- | --- | 106 | 100 | --- | --- | 8.3 | 65 | 0 | 10 | 7.3 | 47.2 | 34.6 | | |
| KS9135 | 3043 | 151 | 1597 | 106 | 95 | 88 | 92 | 7.0 | 49 | 0 | 10 | 7.4 | 47.8 | 34.0 | | |
| Sumner | 3025 | 141 | 1583 | 105 | 100 | 83 | 92 | 6.7 | 60 | 0 | 5 | 7.7 | 50.5 | 34.9 | | |
| Ceres | 3009 | 144 | 1577 | 105 | 93 | 82 | 88 | 7.0 | 60 | 0 | 5 | 8.4 | 51.1 | 34.8 | | |
| SW Gospel | 3002 | --- | --- | 105 | 95 | --- | --- | 7.3 | 60 | 0 | 5 | 9.5 | 49.2 | 35.1 | | |
| KS4022 | 2909 | --- | --- | 101 | 93 | --- | --- | 7.0 | 55 | 0 | 5 | 8.6 | 48.0 | 34.8 | | |
| DSV06202 | 2872 | --- | --- | 100 | 100 | --- | --- | 7.0 | 55 | 0 | 10 | 8.2 | 49.4 | 33.9 | | |
| DKW13-69 | 2872 | --- | --- | 100 | 98 | --- | --- | 7.3 | 55 | 0 | 5 | 7.6 | 50.4 | 34.9 | | |
| NPZ0391RR | 2855 | --- | --- | 99 | 98 | --- | --- | 7.0 | 60 | 0 | 5 | 8.5 | 48.2 | 34.6 | | |
| Baros | 2846 | --- | --- | 99 | 95 | --- | --- | 4.7 | 60 | 10 | 13 | 7.6 | 49.8 | 34.7 | | |
| ARC97019 | 2841 | 150 | 1496 | 99 | 100 | 88 | 94 | 7.7 | 60 | 0 | 10 | 7.5 | 48.9 | 34.0 | | |
| SW Falstaff | 2823 | --- | --- | 98 | 97 | --- | --- | 7.0 | 55 | 0 | 5 | 8.8 | 49.8 | 35.6 | | |
| Abilene | 2790 | 98 | 1444 | 97 | 98 | 87 | 93 | 6.0 | 53 | 0 | 8 | 7.8 | 48.1 | 34.6 | | |
| TCI.06.M4 | 2788 | --- | --- | 97 | 98 | --- | --- | 6.7 | 65 | 0 | 5 | 8.2 | 47.4 | 33.8 | | |
| Ovation | 2779 | --- | --- | 97 | 95 | --- | --- | 8.3 | 60 | 0 | 5 | 8.3 | 48.3 | 36.4 | | |
| Rasmus | 2771 | --- | --- | 97 | 97 | --- | --- | 6.3 | 60 | 10 | 5 | 9.7 | 45.8 | 34.2 | | |
| Satori | 2763 | --- | --- | 96 | 97 | --- | --- | 7.3 | 55 | 0 | 5 | 7.7 | 48.5 | 33.8 | | |
| Virginia | 2738 | 130 | 1434 | 95 | 93 | 85 | 89 | 6.7 | 55 | 0 | 5 | 8.5 | 49.1 | 32.7 | | |
| Kadore | 2737 | --- | --- | 95 | 98 | --- | --- | 7.3 | 60 | 0 | 5 | 8.5 | 50.2 | 32.9 | | |
| Taurus | 2734 | --- | --- | 95 | 97 | --- | --- | 8.0 | 58 | 0 | 15 | 8.2 | 47.5 | 34.1 | | |
| KS3254 | 2725 | 117 | 1421 | 95 | 95 | 87 | 91 | 7.3 | 65 | 0 | 5 | 8.2 | 48.8 | 36.0 | | |
| KS3077 | 2709 | --- | --- | 94 | 93 | --- | --- | 6.3 | 65 | 10 | 15 | 7.4 | 50.0 | 34.1 | | |
| ARC2180-1 | 2697 | 62 | 1380 | 94 | 100 | 88 | 94 | 3.0 | 65 | 0 | 3 | 9.9 | 48.3 | 31.7 | | |

Table 27. Results from the 2007 National Winter Canola Variety Trial at Tipton, OK

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Winter Survival (%) | | Fall Stand | Plant Ht | Lodging | Shatter | Moisture | Test Weight | Total Oil |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------|-------|------------|----------|---------|----------|----------|-------------|-----------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (in.) | (%) | (%) | (%) | (lbs/bu) | (%) | | |
| ARC98007 | 2661 | 280 | 1471 | 93 | 100 | 88 | 94 | 7.0 | 50 | 0 | 5 | 8.0 | 49.9 | 33.8 | | |
| KS3018 | 2598 | 172 | 1385 | 90 | 97 | 80 | 88 | 7.7 | 59 | 0 | 5 | 7.6 | 50.7 | 33.7 | | |
| X02W534C | 2577 | --- | --- | 90 | 98 | --- | --- | 7.0 | 65 | 0 | 5 | 7.3 | 51.2 | 34.5 | | |
| NPZ0591RR | 2572 | --- | --- | 90 | 98 | --- | --- | 8.0 | 65 | 0 | 5 | 7.6 | 50.6 | 33.7 | | |
| Kalif | 2561 | --- | --- | 89 | 95 | --- | --- | 7.7 | 55 | 0 | 5 | 9.1 | 46.6 | 31.8 | | |
| Jetton | 2531 | 80 | 1305 | 88 | 100 | 83 | 92 | 8.0 | 60 | 0 | 5 | 9.0 | 46.8 | 34.2 | | |
| Kronos | 2521 | 159 | 1340 | 88 | 100 | 85 | 93 | 7.3 | 55 | 0 | 10 | 7.7 | 50.2 | 35.5 | | |
| ARC98015 | 2519 | 194 | 1357 | 88 | 97 | 88 | 92 | 6.0 | 50 | 0 | 5 | 10.1 | 45.5 | 35.1 | | |
| TCI.06.M3 | 2492 | --- | --- | 87 | 100 | --- | --- | 6.7 | 40 | 0 | 10 | 9.6 | 50.9 | 34.3 | | |
| Wichita | 2463 | 110 | 1286 | 86 | 92 | 87 | 89 | 5.7 | 55 | 0 | 10 | 7.4 | 50.0 | 33.7 | | |
| DKW13-86 | 2451 | 54 | 1253 | 85 | 98 | 88 | 93 | 8.0 | 54 | 0 | 10 | 7.2 | 45.6 | 35.8 | | |
| ARC97018 | 2308 | 65 | 1187 | 80 | 100 | 87 | 94 | 6.0 | 55 | 10 | 10 | 8.6 | 48.3 | 34.4 | | |
| Baldur | 2264 | 85 | 1174 | 79 | 98 | 83 | 91 | 6.7 | 60 | 28 | 5 | 9.8 | 48.6 | 34.7 | | |
| Trabant | 2011 | --- | --- | 70 | 97 | --- | --- | 6.7 | 60 | 0 | 5 | 9.6 | 48.9 | 34.9 | | |
| Plainsman | 1973 | 12 | 992 | 69 | 97 | 88 | 92 | 7.3 | 65 | 10 | 10 | 8.2 | 46.4 | 34.7 | | |
| TCI.06.M2 | 1823 | --- | --- | 63 | 90 | --- | --- | 7.0 | 60 | 0 | 0 | 8.0 | 46.8 | 36.3 | | |
| DKW13-62 | 1801 | 30 | 916 | 63 | 92 | 80 | 86 | 7.7 | 60 | 20 | 15 | 7.7 | 48.6 | 34.9 | | |
| Mean | 2872 | 134 | --- | 100 | 97 | 86 | --- | 7.0 | 57 | 2 | 7 | 8.2 | 48.9 | 34.5 | | |
| CV (%) | 17 | 60 | --- | 17 | 5 | 4 | --- | 18.9 | 2 | 23 | 19 | 15.4 | 5.5 | 3.5 | | |
| LSD (0.05) | 921 | NS | --- | 31 | NS | 6 | --- | 2.2 | 3 | 1 | 3 | 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.

Amarillo, Texas

Brent Bean & Bob Villarreal, Texas A&M University

Planted: 9/27/2006

Harvested: 7/5/2007

Herbicides:

Insecticides:

Irrigation: 3.4 in.

Fertility: 35-0-0 lbs. N-P-K fertilizer in March

Previous Crop: Fallow

Soil Type:

Elevation: 3657 ft

Latitude: 35°51N

Comments:

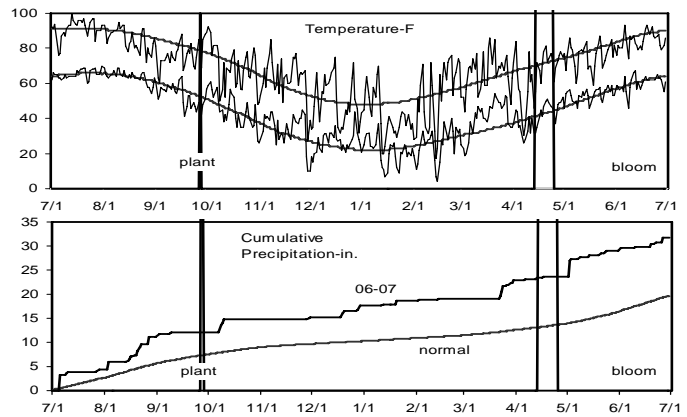


Table 28. Results from the 2007 National Winter Canola Variety Trial at Amarillo, TX

| Name | Yield (lbs/a) | | | Yield % of test avg | | | Fall | | | Lodging (%) | Shatter (%) | Total Oil (%) |
|-------------|---------------|------|------------|---------------------|------|------------|--------------|-----------|--------------|-------------|-------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | Stand (0-10) | Bloom (d) | Height (in.) | | | |
| Sitro | 2640 | --- | --- | 148 | 83 | --- | 7.7 | 108 | 52 | 0.0 | 5.0 | 35.5 |
| KS3132 | 2381 | --- | --- | 134 | 90 | --- | 6.7 | 108 | 52 | 0.0 | 11.7 | 35.4 |
| KS3077 | 2237 | --- | --- | 126 | 83 | --- | 7.0 | 105 | 49 | 0.0 | 21.7 | 35.7 |
| Rally | 2237 | --- | --- | 126 | 84 | --- | 8.5 | 110 | 47 | 0.0 | 16.7 | 35.9 |
| Kronos | 2196 | --- | --- | 123 | 78 | --- | 6.0 | 107 | 52 | 0.0 | 20.0 | 35.8 |
| Kadore | 2182 | --- | --- | 123 | 86 | --- | 8.8 | 112 | 55 | 33.0 | 10.5 | 34.8 |
| SLM0402 | 2145 | --- | --- | 121 | 82 | --- | 6.7 | 110 | 48 | 0.0 | 13.3 | 36.2 |
| NPZ0391RR | 2109 | --- | --- | 118 | 88 | --- | 7.2 | 110 | 48 | 0.0 | 16.7 | 35.2 |
| Hornet | 2056 | --- | --- | 116 | 83 | --- | 6.8 | 108 | 50 | 0.0 | 15.0 | 35.3 |
| Baros | 2042 | --- | --- | 115 | 81 | --- | 7.7 | 109 | 50 | 0.0 | 25.0 | 36.4 |
| MH604001 | 2032 | --- | --- | 114 | 91 | --- | 6.7 | 104 | 52 | 0.0 | 23.3 | 35.4 |
| KS3254 | 1995 | --- | --- | 112 | 88 | --- | 7.8 | 111 | 51 | 0.0 | 20.0 | 36.3 |
| ARC98007 | 1956 | --- | --- | 110 | 90 | --- | 8.2 | 111 | 49 | 0.0 | 15.0 | 34.8 |
| DSV06201 | 1920 | --- | --- | 108 | 83 | --- | 7.8 | 110 | 49 | 0.0 | 26.7 | 35.6 |
| Flash | 1915 | --- | --- | 108 | 82 | --- | 8.0 | 110 | 48 | 0.0 | 11.7 | 35.0 |
| TCI.06.M4 | 1905 | --- | --- | 107 | 83 | --- | 7.2 | 107 | 50 | 0.0 | 21.7 | 36.7 |
| ARC97019 | 1870 | --- | --- | 105 | 84 | --- | 7.7 | 108 | 46 | 0.0 | 20.0 | 35.9 |
| Baldur | 1866 | --- | --- | 105 | 90 | --- | 7.2 | 108 | 52 | 0.0 | 28.3 | 35.7 |
| Kalif | 1855 | --- | --- | 104 | 90 | --- | 8.3 | 108 | 51 | 7.0 | 26.7 | 36.9 |
| Ceres | 1845 | --- | --- | 104 | 87 | --- | 6.8 | 114 | 50 | 0.0 | 25.0 | 35.3 |
| KS9135 | 1845 | --- | --- | 104 | 93 | --- | 8.0 | 112 | 52 | 0.0 | 23.3 | 35.4 |
| Plainsman | 1819 | --- | --- | 102 | 80 | --- | 7.2 | 112 | 53 | 0.0 | 16.0 | 35.2 |
| Rasmus | 1784 | --- | --- | 100 | 93 | --- | 7.8 | 107 | 55 | 0.0 | 30.0 | 36.1 |
| Jetton | 1771 | --- | --- | 99 | 89 | --- | 8.7 | 111 | 46 | 0.0 | 16.7 | 35.3 |
| ARC2180-1 | 1770 | --- | --- | 99 | 79 | --- | 7.0 | 109 | 46 | 0.0 | 18.3 | 35.5 |
| TCI.06.M2 | 1764 | --- | --- | 99 | 87 | --- | 6.5 | 108 | 47 | 0.0 | 25.0 | 37.9 |
| Taurus | 1764 | --- | --- | 99 | 87 | --- | 8.7 | 108 | 48 | 0.0 | 33.3 | 36.2 |
| DKW13-86 | 1740 | --- | --- | 98 | 86 | --- | 8.0 | 111 | 51 | 0.0 | 31.7 | 37.6 |
| X01W522C | 1732 | --- | --- | 97 | 92 | --- | 8.5 | 108 | 50 | 0.0 | 25.0 | 35.6 |
| SW Falstaff | 1726 | --- | --- | 97 | 87 | --- | 6.8 | 108 | 45 | 0.0 | 20.0 | 36.4 |
| NPZ0404 | 1726 | --- | --- | 97 | 86 | --- | 7.2 | 108 | 48 | 0.0 | 33.3 | 36.6 |
| KS3018 | 1718 | --- | --- | 97 | 83 | --- | 7.7 | 111 | 52 | 0.0 | 20.0 | 35.9 |
| Satori | 1713 | --- | --- | 96 | 78 | --- | 7.8 | 107 | 45 | 0.0 | 15.0 | 35.5 |
| Hybristar | 1671 | --- | --- | 94 | 77 | --- | 6.2 | 107 | 51 | 0.0 | 10.0 | 34.8 |
| KS3074 | 1665 | --- | --- | 94 | 85 | --- | 6.2 | 109 | 46 | 0.0 | 25.0 | 34.7 |
| X01W692C | 1664 | --- | --- | 93 | 87 | --- | 8.3 | 109 | 48 | 0.0 | 18.3 | 36.1 |
| Sumner | 1661 | --- | --- | 93 | 78 | --- | 7.7 | 111 | 45 | 0.0 | 16.7 | 35.7 |
| Viking | 1652 | --- | --- | 93 | 83 | --- | 7.9 | 107 | 52 | 0.0 | 22.5 | 35.8 |
| DKW13-69 | 1644 | --- | --- | 92 | 80 | --- | 7.7 | 112 | 48 | 0.0 | 35.0 | 35.8 |
| X02W534C | 1637 | --- | --- | 92 | 92 | --- | 5.0 | 107 | 47 | 0.0 | 30.5 | 35.1 |

Table 28. Results from the 2007 National Winter Canola Variety Trial at Amarillo, TX

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall | | | | | |
|-------------------|---------------|------|------------|---------------------|------|------|------------|--------------|-----------|--------------|-------------|-------------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | Stand (0-10) | Bloom (d) | Height (in.) | Lodging (%) | Shatter (%) | Total Oil (%) |
| Abilene | 1624 | --- | --- | 91 | 78 | --- | --- | 6.5 | 111 | 48 | 0.0 | 15.0 | 34.0 |
| ARC98015 | 1618 | --- | --- | 91 | 84 | --- | --- | 6.5 | 108 | 51 | 0.0 | 18.3 | 35.4 |
| KS3302 | 1572 | --- | --- | 88 | 82 | --- | --- | 6.3 | 108 | 47 | 0.0 | 23.3 | 36.6 |
| KS4022 | 1564 | --- | --- | 88 | 85 | --- | --- | 7.8 | 106 | 46 | 0.0 | 33.3 | 36.3 |
| TCI.06.M3 | 1558 | --- | --- | 88 | 79 | --- | --- | 6.7 | 102 | 45 | 0.0 | 20.0 | 36.3 |
| Wichita | 1532 | --- | --- | 86 | 83 | --- | --- | 6.7 | 108 | 48 | 0.0 | 13.3 | 35.4 |
| SW Gospel | 1531 | --- | --- | 86 | 90 | --- | --- | 7.5 | 112 | 49 | 0.0 | 16.7 | 36.4 |
| Ovation | 1512 | --- | --- | 85 | 74 | --- | --- | 7.5 | 112 | 46 | 0.0 | 9.3 | 35.8 |
| NPZ0591RR | 1507 | --- | --- | 85 | 86 | --- | --- | 7.8 | 111 | 48 | 0.0 | 20.0 | 35.0 |
| ARC97018 | 1495 | --- | --- | 84 | 70 | --- | --- | 6.5 | 113 | 48 | 0.0 | 13.3 | 35.1 |
| DKW13-62 | 1467 | --- | --- | 82 | 74 | --- | --- | 8.2 | 114 | 48 | 0.0 | 25.0 | 35.4 |
| Trabant | 1459 | --- | --- | 82 | 80 | --- | --- | 7.4 | 110 | 46 | 0.0 | 38.8 | 35.5 |
| Virginia | 1445 | --- | --- | 81 | 78 | --- | --- | 7.7 | 112 | 46 | 0.0 | 7.0 | 35.1 |
| DSV06202 | 1423 | --- | --- | 80 | 81 | --- | --- | 8.0 | 110 | 43 | 0.0 | 15.0 | 35.9 |
| TCI.06.M1 | 1413 | --- | --- | 79 | 89 | --- | --- | 8.0 | 110 | 48 | 0.0 | 23.5 | 36.6 |
| KS7436 | 1390 | --- | --- | 78 | 88 | --- | --- | 7.8 | 107 | 43 | 0.0 | 30.5 | 36.0 |
| KS4085 | 1374 | --- | --- | 77 | 82 | --- | --- | 8.2 | 111 | 47 | 5.0 | 21.7 | 34.3 |
| Mean | 1780 | --- | --- | 100 | 84 | --- | --- | 7.4 | 109 | 49 | --- | 20.8 | 35.7 |
| CV (%) | 24 | --- | --- | 24 | 11 | --- | --- | 15.8 | 3 | 9 | --- | 47.5 | 3.2 |
| LSD (0.05) | NS | --- | --- | NS | NS | --- | --- | NS | NS | NS | --- | 16.0 | NS |

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

Lubbock, Texas

Richard Auld & Efreem Bechere, Texas Tech University

Planted: 9/19/2006 at 5 lbs/a in 10-in. rows

Harvested: Not harvested

Herbicides:

Insecticides:

Irrigation:

Fertility:

Previous Crop: Cotton

Soil Type: Amarillo fine sandy loam

Elevation: 3232 ft Latitude: 33°35N

Comments: Heavy thunderstorms resulted in excessive shatter loss; therefore, the plot was not harvested.

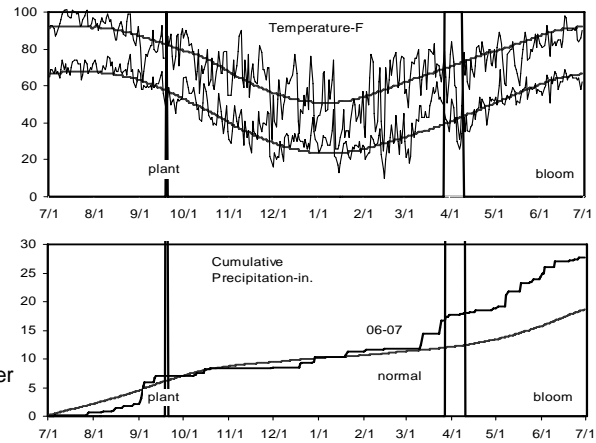


Table 29. Results from the 2007 National Winter Canola Variety Trial at Lubbock, TX

| Name | Yield (lbs/a) | | | Yield % of test avg | | Winter Survival (%) | | Fall Stand | Bloom | Maturity | Plant Ht | Shatter |
|-----------|---------------|------|------------|---------------------|------|---------------------|--------|------------|-------|----------|----------|---------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2006 | 2-Yr. Avg. | (0-10) | (d) | (d) | (in.) | (%) | |
| MH604001 | --- | --- | --- | --- | 87 | --- | --- | --- | 93 | 156 | 45 | 72 |
| Ceres | --- | --- | --- | --- | 87 | --- | --- | --- | 96 | 156 | 42 | 70 |
| NPZ0391RR | --- | --- | --- | --- | 87 | --- | --- | --- | 96 | 158 | 46 | 63 |
| X01W522C | --- | --- | --- | --- | 87 | --- | --- | --- | 87 | 156 | 46 | 73 |
| DSV06201 | --- | --- | --- | --- | 85 | --- | --- | --- | 90 | 157 | 44 | 55 |
| KS7436 | --- | --- | --- | --- | 85 | --- | --- | --- | 96 | 157 | 43 | 68 |
| Jetton | --- | --- | --- | --- | 85 | --- | --- | --- | 92 | 157 | 44 | 63 |
| TCI.06.M4 | --- | --- | --- | --- | 85 | --- | --- | --- | 89 | 157 | 42 | 63 |
| DKW13-69 | --- | --- | --- | --- | 83 | --- | --- | --- | 97 | 158 | 42 | 73 |
| Trabant | --- | --- | --- | --- | 82 | --- | --- | --- | 93 | 156 | 41 | 77 |
| KS9135 | --- | --- | --- | --- | 80 | --- | --- | --- | 96 | 156 | 43 | 77 |
| Ovation | --- | --- | --- | --- | 80 | --- | --- | --- | 99 | 158 | 42 | 42 |
| ARC97019 | --- | --- | --- | --- | 80 | --- | --- | --- | 94 | 157 | 48 | 85 |
| ARC98007 | --- | --- | --- | --- | 80 | --- | --- | --- | 96 | 158 | 41 | 73 |
| Hornet | --- | --- | --- | --- | 78 | --- | --- | --- | 92 | 157 | 49 | 52 |
| Rally | --- | --- | --- | --- | 78 | --- | --- | --- | 94 | 156 | 45 | 40 |
| Flash | --- | --- | --- | --- | 78 | --- | --- | --- | 92 | 158 | 47 | 50 |
| Sitro | --- | --- | --- | --- | 78 | --- | --- | --- | 90 | 156 | 43 | 55 |
| Taurus | --- | --- | --- | --- | 78 | --- | --- | --- | 91 | 157 | 44 | 77 |
| X01W692C | --- | --- | --- | --- | 78 | --- | --- | --- | 90 | 156 | 47 | 73 |
| X02W534C | --- | --- | --- | --- | 78 | --- | --- | --- | 87 | 156 | 44 | 52 |
| KS3074 | --- | --- | --- | --- | 77 | --- | --- | --- | 97 | 156 | 40 | 67 |
| Hybristar | --- | --- | --- | --- | 77 | --- | --- | --- | 90 | 157 | 45 | 45 |
| DKW13-86 | --- | --- | --- | --- | 77 | --- | --- | --- | 97 | 156 | 42 | 78 |
| Viking | --- | --- | --- | --- | 77 | --- | --- | --- | 96 | 156 | 41 | 57 |
| TCI.06.M2 | --- | --- | --- | --- | 77 | --- | --- | --- | 91 | 155 | 44 | 78 |
| TCI.06.M3 | --- | --- | --- | --- | 77 | --- | --- | --- | 87 | 155 | 41 | 75 |
| DSV06202 | --- | --- | --- | --- | 75 | --- | --- | --- | 92 | 157 | 43 | 77 |
| DKW13-62 | --- | --- | --- | --- | 75 | --- | --- | --- | 99 | 156 | 47 | 82 |
| Baldur | --- | --- | --- | --- | 75 | --- | --- | --- | 95 | 156 | 48 | 80 |
| Kronos | --- | --- | --- | --- | 75 | --- | --- | --- | 95 | 156 | 49 | 82 |
| Rasmus | --- | --- | --- | --- | 75 | --- | --- | --- | 94 | 156 | 43 | 65 |
| ARC98015 | --- | --- | --- | --- | 75 | --- | --- | --- | 96 | 156 | 49 | 77 |
| KS3254 | --- | --- | --- | --- | 73 | --- | --- | --- | 97 | 156 | 43 | 70 |
| NPZ0404 | --- | --- | --- | --- | 73 | --- | --- | --- | 88 | 156 | 41 | 63 |
| ARC97018 | --- | --- | --- | --- | 73 | --- | --- | --- | 94 | 156 | 44 | 77 |
| Virginia | --- | --- | --- | --- | 72 | --- | --- | --- | 96 | 155 | 40 | 58 |
| KS3077 | --- | --- | --- | --- | 72 | --- | --- | --- | 96 | 157 | 43 | 70 |
| KS4085 | --- | --- | --- | --- | 72 | --- | --- | --- | 95 | 156 | 45 | 68 |

Table 29. Results from the 2007 National Winter Canola Variety Trial at Lubbock, TX

| Name | Yield (lbs/a) | | | Yield % of | Winter Survival (%) | | | Fall | Bloom | Maturity | Plant | Shatter |
|-------------------|---------------|------|------------|------------|---------------------|------|------------|-------|-------|----------|-------|---------|
| | 2007 | 2006 | 2-Yr. Avg. | test avg | 2007 | 2006 | 2-Yr. Avg. | Stand | (d) | (d) | Ht | (%) |
| SLM0402 | --- | --- | --- | --- | 72 | --- | --- | --- | 93 | 156 | 42 | 82 |
| SW Gospel | --- | --- | --- | --- | 72 | --- | --- | --- | 96 | 157 | 43 | 77 |
| Satori | --- | --- | --- | --- | 70 | --- | --- | --- | 96 | 156 | 41 | 68 |
| Baros | --- | --- | --- | --- | 70 | --- | --- | --- | 89 | 155 | 38 | 62 |
| NPZ0591RR | --- | --- | --- | --- | 70 | --- | --- | --- | 96 | 157 | 47 | 75 |
| KS3018 | --- | --- | --- | --- | 68 | --- | --- | --- | 95 | 157 | 43 | 68 |
| KS4022 | --- | --- | --- | --- | 68 | --- | --- | --- | 94 | 156 | 43 | 52 |
| Wichita | --- | --- | --- | --- | 67 | --- | --- | --- | 97 | 156 | 43 | 72 |
| Kalif | --- | --- | --- | --- | 67 | --- | --- | --- | 94 | 156 | 42 | 77 |
| KS3302 | --- | --- | --- | --- | 65 | --- | --- | --- | 91 | 157 | 42 | 80 |
| Sumner | --- | --- | --- | --- | 65 | --- | --- | --- | 92 | 154 | 40 | 65 |
| Kadore | --- | --- | --- | --- | 65 | --- | --- | --- | 97 | 156 | 40 | 65 |
| SW Falstaff | --- | --- | --- | --- | 65 | --- | --- | --- | 95 | 157 | 45 | 48 |
| Plainsman | --- | --- | --- | --- | 63 | --- | --- | --- | 99 | 157 | 44 | 60 |
| KS3132 | --- | --- | --- | --- | 60 | --- | --- | --- | 95 | 157 | 43 | 58 |
| TCL06.M1 | --- | --- | --- | --- | 60 | --- | --- | --- | 95 | 157 | 40 | 67 |
| ARC2180-1 | --- | --- | --- | --- | 58 | --- | --- | --- | 94 | 157 | 44 | 65 |
| Abilene | --- | --- | --- | --- | 57 | --- | --- | --- | 95 | 157 | 39 | 48 |
| Mean | --- | --- | --- | --- | 75 | --- | --- | --- | 94 | 156 | 43 | 67 |
| CV (%) | --- | --- | --- | --- | 17 | --- | --- | --- | 3 | 1 | 7 | 15 |
| LSD (0.05) | --- | --- | --- | --- | NS | --- | --- | --- | 5 | 2 | 5 | 16 |

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, Blue Sun Biodiesel
 Planted: 8/22/2006
 Harvested: 7/17/2007
 Herbicides: Treflan 1.25 pt/a
 Irrigation: 19.8 in.
 Fertility: 18-31-24-24 N-P-K-S fertilizer in spring
 Previous Crop: Alfalfa
 Soil Type: Dunday and Dwyer loamy fine sands
 Elevation: 4205 ft Latitude: 42°3N
 Comments: Winter injury delayed some entries. Temperatures below freezing on June 8. Pods contained both live and dead seed, resulting in reduced yields.

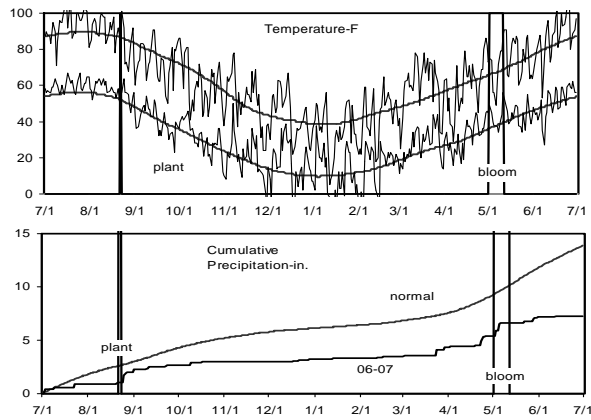


Table 30. Results from the 2007 National Winter Canola Variety Trial at Torrington, WY

| Name | Yield (lbs/a) | | | Yield % of test avg | | | | Fall Stand Bloom Height Shatter | | | | Total Oil (%) |
|-------------------|---------------|------|------------|---------------------|------|------|------------|---------------------------------|------|-------|------|---------------|
| | 2007 | 2006 | 2-Yr. Avg. | 2007 | 2007 | 2006 | 2-Yr. Avg. | (%) | (d) | (in.) | (%) | |
| SLM0402 | 1983 | --- | --- | 174.3 | 93 | --- | --- | 90 | 5/2 | 38 | 1 | 36.7 |
| Kadore | 1702 | --- | --- | 149.5 | 93 | --- | --- | 100 | 5/10 | 37 | 1 | 36.1 |
| KS3018 | 1635 | --- | --- | 143.7 | 97 | --- | --- | 88 | 5/3 | 40 | 2 | 35.4 |
| KS4085 | 1528 | --- | --- | 134.2 | 93 | --- | --- | 87 | 5/5 | 40 | 2 | 37.2 |
| Taurus | 1484 | --- | --- | 130.4 | 95 | --- | --- | 87 | 5/4 | 41 | 4 | 37.2 |
| Virginia | 1476 | --- | --- | 129.7 | 93 | --- | --- | 83 | 5/5 | 35 | 1 | 35.7 |
| NPZ0404 | 1458 | --- | --- | 128.1 | 93 | --- | --- | 93 | 5/4 | 39 | 2 | 38.5 |
| KS9135 | 1403 | --- | --- | 123.3 | 90 | --- | --- | 80 | 5/7 | 42 | 2 | 35.9 |
| KS4114 | 1400 | --- | --- | 123.1 | 88 | --- | --- | 93 | 5/6 | 40 | 2 | 35.5 |
| KS4022 | 1400 | --- | --- | 123.0 | 98 | --- | --- | 87 | 5/3 | 40 | 1 | 37.0 |
| KS4160 | 1392 | --- | --- | 122.3 | 90 | --- | --- | 95 | 5/4 | 40 | 2 | 36.5 |
| Trabant | 1384 | --- | --- | 121.6 | 85 | --- | --- | 87 | 5/5 | 36 | 3 | 37.2 |
| X01W522C | 1374 | --- | --- | 120.7 | 67 | --- | --- | 97 | 5/9 | 39 | 2 | 36.6 |
| Ovation | 1303 | --- | --- | 114.5 | 72 | --- | --- | 93 | 5/10 | 40 | 1 | 38.5 |
| Baldur | 1232 | --- | --- | 108.3 | 88 | --- | --- | 80 | 5/5 | 40 | 2 | 36.4 |
| SW Falstaff | 1199 | --- | --- | 105.4 | 77 | --- | --- | 90 | 5/7 | 40 | 3 | 38.7 |
| Ceres | 1151 | --- | --- | 101.1 | 73 | --- | --- | 92 | 5/11 | 42 | 3 | 36.8 |
| Jetton | 1127 | --- | --- | 99.1 | 88 | --- | --- | 90 | 5/6 | 37 | 2 | 35.6 |
| Casino | 1127 | --- | --- | 99.0 | 97 | --- | --- | 93 | 5/5 | 41 | 4 | 36.7 |
| Baros | 1114 | --- | --- | 97.9 | 75 | --- | --- | 83 | 5/6 | 38 | 4 | 37.7 |
| Sumner | 1049 | --- | --- | 92.2 | 87 | --- | --- | 90 | 5/3 | 37 | 3 | 35.2 |
| KS4322 | 1047 | --- | --- | 92.0 | 97 | --- | --- | 87 | 5/5 | 40 | 2 | 35.3 |
| Abilene | 980 | --- | --- | 86.1 | 83 | --- | --- | 83 | 5/6 | 39 | 4 | 36.6 |
| Viking | 978 | --- | --- | 85.9 | 80 | --- | --- | 87 | 5/10 | 34 | 1 | 34.6 |
| KS7436 | 938 | --- | --- | 82.5 | 73 | --- | --- | 77 | 5/7 | 40 | 3 | 36.8 |
| Kronos | 925 | --- | --- | 81.3 | 85 | --- | --- | 73 | 5/7 | 44 | 3 | 35.8 |
| KS2002 | 905 | --- | --- | 79.6 | 92 | --- | --- | 97 | 5/6 | 43 | 18 | 38.9 |
| Wichita | 904 | --- | --- | 79.5 | 95 | --- | --- | 87 | 5/5 | 39 | 1 | 34.7 |
| Hybristar | 904 | --- | --- | 79.4 | 50 | --- | --- | 93 | 5/11 | 40 | 1 | 36.3 |
| X01W692C | 860 | --- | --- | 75.5 | 85 | --- | --- | 87 | 5/10 | 39 | 2 | 36.6 |
| MH 604001 | 831 | --- | --- | 73.0 | 72 | --- | --- | 90 | 5/9 | 41 | 2 | 36.2 |
| Plainsman | 821 | --- | --- | 72.1 | 88 | --- | --- | 87 | 5/10 | 41 | 2 | 35.2 |
| Satori | 755 | --- | --- | 66.4 | 73 | --- | --- | 100 | 5/10 | 36 | 2 | 36.8 |
| Rasmus | 728 | --- | --- | 63.9 | 88 | --- | --- | 80 | 5/6 | 38 | 2 | 36.3 |
| X02W534C | 633 | --- | --- | 55.6 | 55 | --- | --- | 90 | 5/11 | 33 | 1 | 36.0 |
| SW Gospel | 598 | --- | --- | 52.5 | 57 | --- | --- | 98 | 5/11 | 36 | 2 | 37.3 |
| Kalif | 369 | --- | --- | 32.4 | 30 | --- | --- | 93 | 5/13 | 36 | 1 | 36.2 |
| Mean | 1138 | --- | --- | --- | 82 | --- | --- | 89 | 5/7 | 39 | 3 | 37 |
| CV (%) | 559 | --- | --- | --- | 16 | --- | --- | 14 | 2 | 3 | 2 | 1.3 |
| LSD (0.05) | 30.4 | --- | --- | --- | 12 | --- | --- | 10.1 | 1.0 | 4.5 | 44.9 | 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.

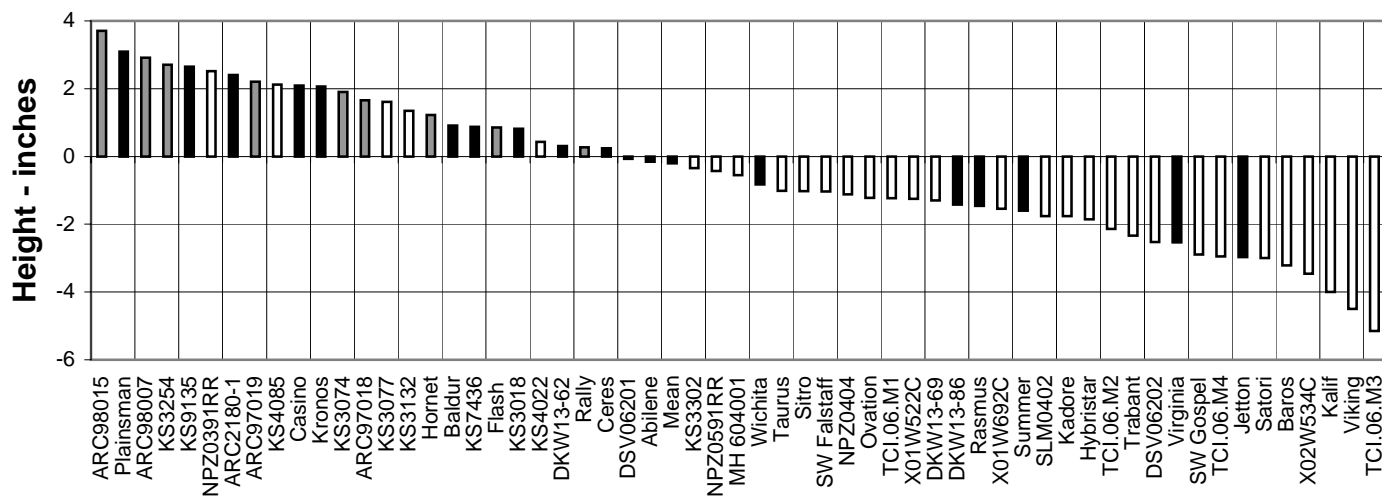
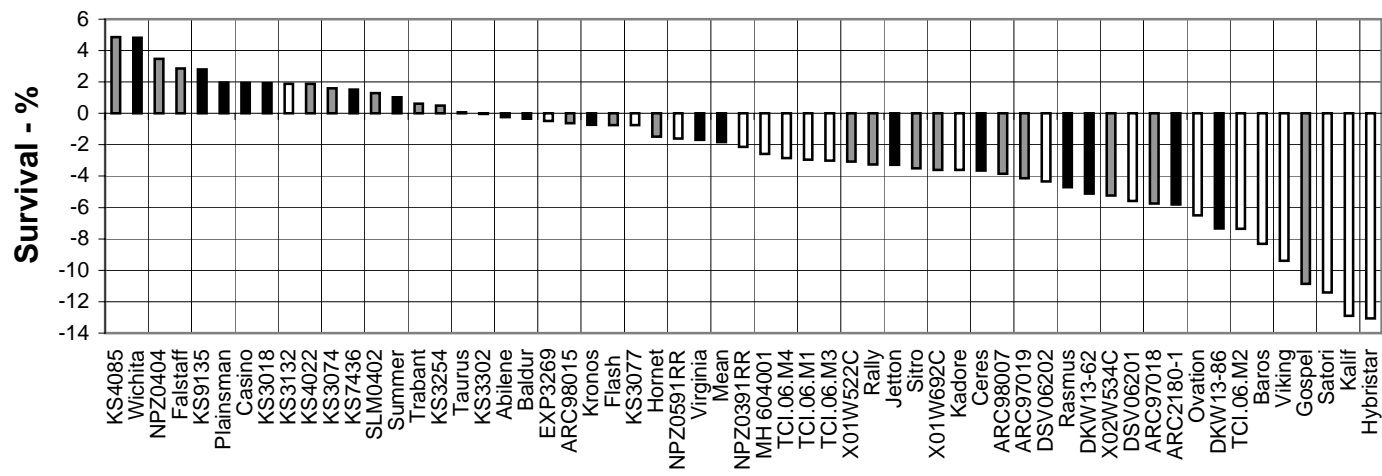
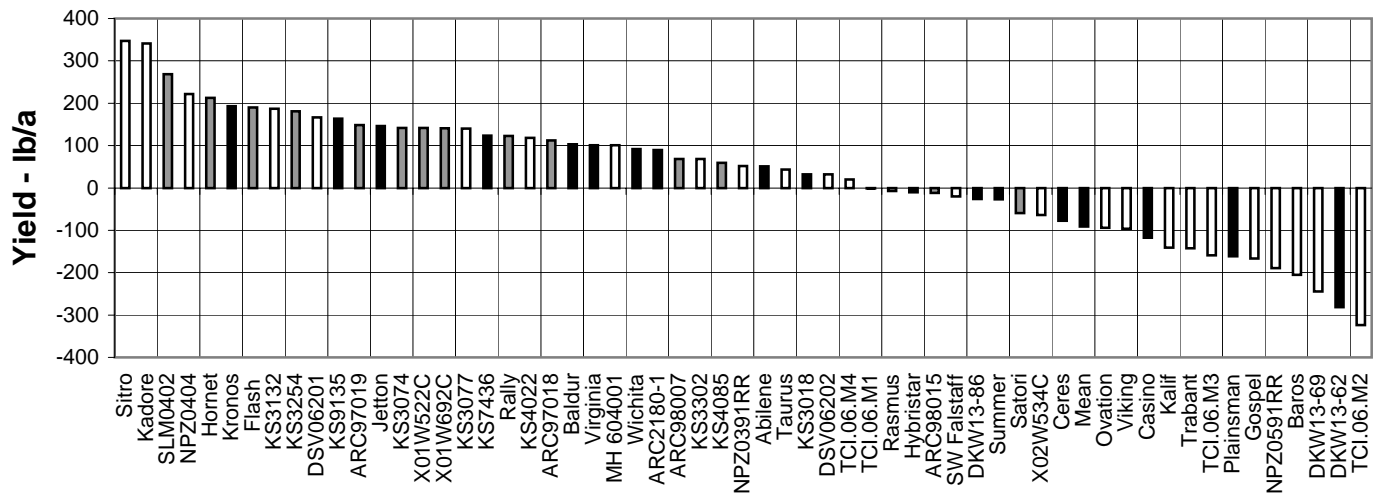
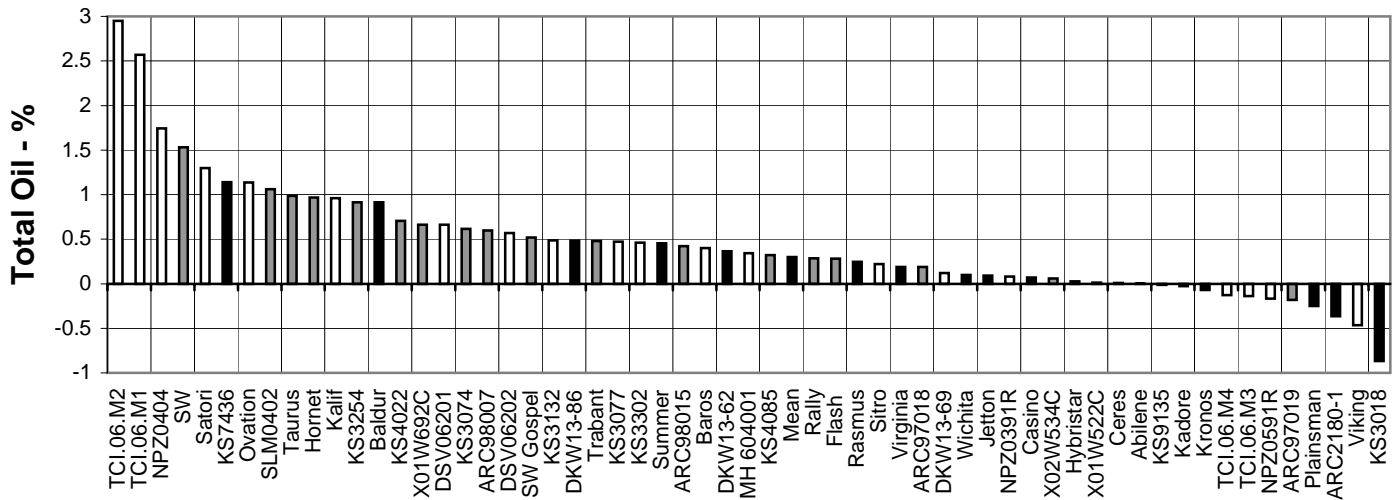
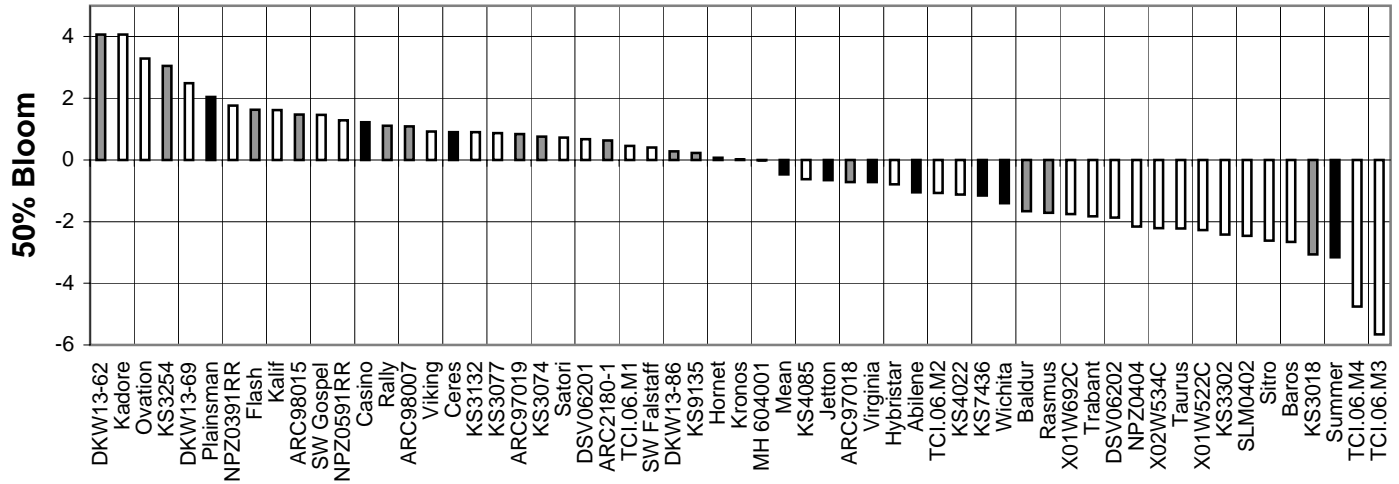


Figure 3. Great Plains Winter Canola Summary, 1996-2007.



Note: Values are averages of the differences between each cultivar and the mean of Ceres, Jetton, Plainsman, and Wichita for yield (lbs/a), winter survival (%), plant height (inches), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (as shown at right).

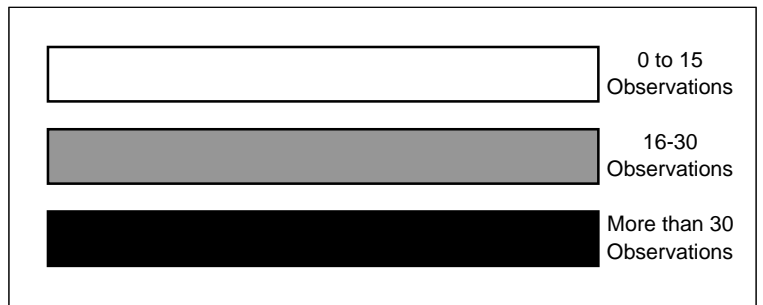


Figure 3. Great Plains Winter Canola Summary, 1996-2007 (continued).

Table 31. Blackleg Evaluations
Field Ratings for Resistance to Phoma Blackleg of the National Winter
Canola Variety Trial Entries, 2006-2007

| Variety | Blackleg ¹ | | | Variety | Blackleg ¹ | | |
|------------------------|-----------------------|----------|----------|-------------------------|-----------------------|----------|----------|
| | Griffin | Plains | Average | | Griffin | Plains | Average |
| ----- % diseased ----- | | | | ----- % diseased ----- | | | |
| ARC2180-1 | 3 | 0 | 1 | KS7436 | 0 | 7 | 4 |
| ARC97018 | 0 | 0 | 0 | KS9135 | 0 | 2 | 1 |
| ARC97019 | 5 | 2 | 3 | Kadore | 0 | 2 | 1 |
| ARC98007 | 3 | 0 | 1 | Kalif | 0 | 0 | 0 |
| ARC98015 | 0 | 3 | 2 | Kronos | 3 | 0 | 1 |
| Abilene | 0 | 0 | 0 | MH 604001 | 3 | 0 | 1 |
| Baldur | 10 | 0 | 4 | NPZ0391RR | 0 | 2 | 1 |
| Baros | 5 | 10 | 8 | NPZ0404 | 0 | 0 | 0 |
| Ceres | 3 | 0 | 1 | NPZ0591RR | 0 | 0 | 0 |
| Cyclone* | 38 | 57 | 48 | Oscar* | 13 | 7 | 10 |
| Hornet | 0 | 0 | 0 | Ovation | 5 | 0 | 2 |
| Rally | 0 | 0 | 0 | Plainsman | 0 | 0 | 0 |
| Flash | 3 | 0 | 1 | Rasmus | 0 | 0 | 0 |
| Sitro | 0 | 0 | 0 | SLM0402 | 5 | 0 | 2 |
| DSV06201 | 0 | 0 | 0 | Satori | 3 | 0 | 1 |
| DSV06202 | 5 | 0 | 2 | Sumner | 0 | 0 | 0 |
| Falcon* | 0 | 0 | 0 | TCI.06.M1 | 0 | 0 | 0 |
| Falstaff | 0 | 0 | 0 | TCI.06.M2 | 3 | 0 | 1 |
| Flint* | 5 | 7 | 6 | TCI.06.M3 | 1 | 3 | 3 |
| Gospel | 0 | 0 | 0 | TCI.06.M4 | 0 | 0 | 0 |
| Hybristar | 3 | 0 | 1 | Taurus | 3 | 0 | 1 |
| Jetton | 0 | 3 | 2 | Trabant | 3 | 0 | 1 |
| KS3018 | 0 | 3 | 2 | Viking | 0 | 0 | 0 |
| KS3074 | 0 | 0 | 0 | Virginia | 0 | 18 | 11 |
| KS3077 | 0 | 0 | 0 | Westar* | 60 | 53 | 57 |
| KS3132 | 0 | 0 | 0 | Wichita | 0 | 2 | 1 |
| KS3254 | 0 | 0 | 0 | | | | |
| KS3302 | 0 | 0 | 0 | Average | 3 | 3 | 3 |
| KS4022 | 0 | 0 | 0 | LSD at 10% Level | 6 | 5 | 5 |
| KS4085 | 0 | 3 | 2 | Std. Err. of Entry Mean | 2 | 2 | 2 |

* Included in test as a blackleg standard.

¹Blackleg rated as total percentage of plants killed by blackleg or with severe basal stem canker.

Bolding indicates entries with blackleg resistance ratings equal to the best rated entry within a column based on Fisher's protected LSD (P = 0.10).

NOTE: 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.

Data collected by D. Spradlin and D.V. Phillips; The University of Georgia, College of Agricultural and Environmental Sciences, The Georgia Agricultural Experiment Stations; Research Report Number 711; August 2007. Used with permission.

Table 32. Seed Sources for Entries in the 2006-2007 National Winter Canola Variety Trial

| Seed Source | | | | | | Seed Source | | | | | |
|---|-------------------|--------------------|-------------|-------------|---------------------|---|-------------------|--------------------|-------------|-------------|---------------------|
| Brand/Name | Type ¹ | Trait ² | U.S. Market | Trans-genic | Sd Trt ³ | Brand/Name | Type ¹ | Trait ² | U.S. Market | Trans-genic | Sd Trt ³ |
| Deutsche Saatveredelung AG (DSV) Lippstadt, Germany Dr. Heino Schaupp (schaupp@dsv-saaten.de) | | | | | | Pioneer Hi-Bred Cole Randol (800-228-4050 ext. 24) | | | | | |
| Hornet | Hyb | --- | Yes | No | H | X01W522C | Hyb | --- | No | No | H |
| Rally | Hyb | --- | Yes | No | H | X01W692C | Hyb | --- | No | No | H |
| Flash | Hyb | --- | Yes | No | H | X02W534C | Hyb | SD | No | No | H |
| Sitro | Hyb | --- | Yes | No | H | Svalöv Weibull | | | | | |
| DSV 06201 | Hyb | --- | No | No | H | S-268 81 Svalöv | | | | | |
| DSV 06202 | Hyb | --- | No | No | H | Sweden | | | | | |
| Kansas State University Department of Agronomy 2004 Throckmorton Plant Sciences Center Manhattan, KS 66506-5501 Michael J. Stamm (785-532-3871) | | | | | | Bodil Jonsson (bodil.jonsson@swseed.com) | | | | | |
| Abilene | OP | --- | Yes | No | H | Casino | OP | --- | No | No | H |
| KS2002 | OP | --- | No | No | H | SW Falstaff | OP | --- | No | No | H |
| KS3018 | OP | --- | No | No | H | SW Gospel | OP | --- | No | No | H |
| KS3074 | OP | --- | No | No | H | Technology Crops International P.O. Box 11925 Winston-Salem, NC 27116 | | | | | |
| KS3077 | OP | --- | No | No | H | Eric Odens (701-866-7983) | | | | | |
| KS3132 | OP | --- | No | No | H | TCI.06.M1 | OP | --- | No | No | H |
| KS3254 | OP | --- | No | No | H | TCI.06.M2 | OP | HEA | No | No | H |
| KS3302 | OP | --- | No | No | H | TCI.06.M3 | OP | --- | No | No | H |
| KS4022 | OP | --- | No | No | H | TCI.06.M4 | OP | --- | No | No | H |
| KS4085 | OP | --- | No | No | H | University of Arkansas Department of Crop, Soil, & Environmental Science Fayetteville, AR 72701 | | | | | |
| KS4114 | OP | --- | No | No | H | Dr. Rober Bacon (479-545-5715) | | | | | |
| KS4160 | OP | --- | No | No | H | ARC2180-1 | OP | --- | No | No | H |
| KS7436 | OP | --- | No | No | H | ARC98007 | OP | --- | No | No | H |
| KS9135 | OP | --- | No | No | H | ARC97018 | OP | --- | No | No | H |
| Plainsman | OP | --- | Yes | No | H | ARC98015 | OP | --- | No | No | H |
| Sumner | OP | SU | Yes | No | H | ARC97019 | OP | --- | No | No | H |
| Wichita | OP | --- | Yes | No | H | Norddeutsche Pflanzenzucht (NPZ) Hans-Georg Lembke KG Hohenlieth Germany D-24363 Holtsee Martin Frauen (m.frauen@npz.de) | | | | | |
| Momont MONS-EN-PEVELLE, FRANCE U.S. Contact - Brian Caldbeck (270-926-2420) | | | | | | Baldur | Hyb | --- | Yes | No | H |
| Hybristar | Hyb | --- | Yes | No | H | Baros | OP | --- | No | No | H |
| Kadore | OP | --- | Yes | No | H | Ceres | OP | --- | No | No | H |
| Kalif | OP | --- | No | No | H | Jetton | OP | --- | No | No | H |
| MH 604001 | Hyb | --- | No | No | H | Kronos | Hyb | --- | Yes | No | H |
| Ovation | OP | --- | No | No | H | NPZ0391RR | Hyb | RR | No | Yes | H |
| Satori | OP | --- | Yes | No | H | NPZ0404 | Hyb | --- | No | No | H |
| Monsanto Company 800 North Lindberg Bvd. St. Louis, MO 63167 Jeff Koscelny (314-694-2335) | | | | | | NPZ0591RR | Hyb | RR | No | Yes | H |
| DKW13-62 | OP | RR | Yes | Yes | P | Rasmus | OP | --- | No | No | H |
| DKW13-69 | OP | RR | Yes | Yes | P | SLM0402 | Hyb | --- | No | No | H |
| DKW13-86 | OP | RR | Yes | Yes | P | Taurus | Hyb | --- | No | No | H |
| Virginia State University Agricultural Experiment Station Petersburg, VA 23806 Dr. Harbans Bhardwaj (804-524-6723) | | | | | | Trabant | Hyb | --- | No | No | H |
| Virginia | OP | --- | Yes | No | H | Viking | OP | --- | No | No | H |

¹OP = open pollinated, Hyb = hybrid.

²HEA = High Erucic Acid, SD = Semi-dwarf, SU = sulfonylurea carryover tolerant, RR = glyphosate resistant

³SD TRT = Seed treatment (H = Helix Xtra, P = Prosper 400)

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