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# PROCEDURES | 2011

This report is published by the MU Variety Testing Program, Division of Plant Sciences, University of Missouri. The work was supported by fees from companies and organizations submitting varieties for evaluation. The large number of varieties available makes selection of a superior variety difficult. To select intelligently, producers need a reliable, unbiased, up-to-date source of information that will permit valid comparisons among available varieties. The objective of the MU Variety Testing Program is to provide this information. Tests are conducted under as close to uniform conditions as possible. Small plots are used to reduce the chance of soil and other variations occurring among variety plots. Results obtained should aid individual growers in judging the relative merits of many of the commercial wheat varieties available in Missouri.

## COMPARING VARIETIES

The performance of a variety cannot be measured with absolute precision. Uncontrolled variability is involved in the determination of each plot's yield. This variability exists in all field experiments and in farmer fields. Statistics are used to account for this variability and to assist farmers in selecting superior varieties. The statistical tool used by the MU Variety Testing Program is called "least significant difference" (LSD). The LSD is simple to use. When two varieties are compared and the difference between them is greater than the LSD, the varieties are considered to be significantly different. Differences between two varieties smaller than the LSD may have occurred by chance and are considered to be not significant. The LSD can be found at the end of each table.

The MU Variety Testing Program arranges varieties within each table from highest yield to lowest yield. The "top yielding" variety in each table has been identified by a double asterisk (**). Varieties that did not yield significantly less than the highest yielding variety in the table are denoted by a single asterisk (*). Thus, by reading down the yield column, readers can readily identify the highest yielding varieties in a location.

Variety performance may seem inconsistent from location to location and from year to year. These differences are caused by differences among environments for rainfall, temperatures, soil fertility, diseases, insects, and many other factors. To obtain an improved estimate of relative variety performance, readers should consider results from more than one environment (locations and/or years). The vast majority of varieties are entered into our tests for only one year, so comparing varieties across multiple locations becomes even more important. The MU Variety Testing Program facilitates variety comparisons across locations by publishing Region Means. Region Means tables contain yield data from all individual locations in the region and yields averaged across all of the locations. The variety with the highest average yield and varieties that do not differ for yield from that variety are designated with double (**) and single (*) asterisks.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a wheat variety. The MU Variety Testing Program measures test weight and plant height and rates plant lodging. These data are presented in each location table. Winter hardiness, maturity, resistance to Hessian fly, and resistance to several diseases are among the variety characteristics that deserve careful consideration. We provide a table that contains several important characteristics of varieties entered into the MU Variety Testing Program. This information was provided by seed companies. Please contact seed company representatives for the latest information. Seed entered into the MU Variety Testing Program is usually treated with one or more seed treatments. These seed treatments are indentified in the table listing the variety characteristics.

**AUTHORS**
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The Mu Variety Testing Program recognizes and expresses appreciation to the following individuals for their part in making the 2011 wheat performance tests possible: Peter Brewer, Trenton; Randall Smoot, superintendent, Greenley Memorial Research Center, Novelty; Tim Reinbott, superintendent, Bradford Research and Extension Center, Columbia; Kenny Tevis, Hughesville; Darrel Tenholder, Adrian; David Sheat, Lamar; Martin Eftink, Chaffee; Don Deline, Charleston; Jake Fisher, superintendent, Delta Research Center, Portageville.

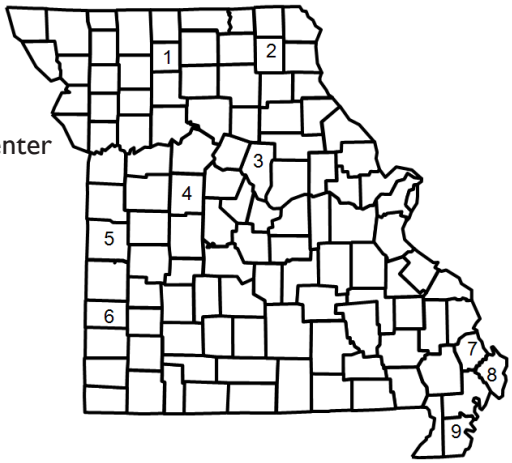
## EXPERIMENTAL PROCEDURES

**Regions and Locations:** The MU Variety Testing program divides the wheat growing area of Missouri into three regions: North, Southwest, and Southeast. Each region contains three locations, and the same varieties are tested in all locations within a region. Locations for 2011 are as follows:

**North**
1. Trenton (Grundy County); Peter Brewer farm
2. Novelty (Scott County); Greenley Memorial Research Center
3. Columbia (Boone County); Bradford Research & Extension Center

**Southwest**
4. Hughesville (Pettis County); Kenny Tevis farm
5. Adrian (Bates County); Darrel Tenholder farm
6. Lamar (Barton County); David Sheat farm

**Southeast**
7. Chaffee (Scott County); Martin Eftink farm
8. Charleston (Mississippi County); Don Deline farm
9. Portageville (Pemiscot County); Delta Research Center




**Entries:** All seed companies were eligible to enter varieties in the 2011 wheat test. Participation was voluntary and the MU Variety Testing Program exercised no control over which or how many varieties were entered. The MU Variety Testing Program receives no Missouri tax dollars, so a fee was collected for each entry to fund the program.

**Field Plot Design and Plot Management:** Varieties were randomly arranged in the field according to a lattice design with three replications. Plots were eight rows wide and 25 feet long. Row spacing was 7.5 inches. Planting rate was 1,500,000 seeds/acre. All eight rows were harvested with a combine designed for small-plot work.

Fertilizer was applied at each location at the discretion of the farmer or research station manager. Herbicides were used to control weeds, and a fungicide was applied to prevent disease incidence. Management details varied among locations and are specified in individual region crop management summaries.

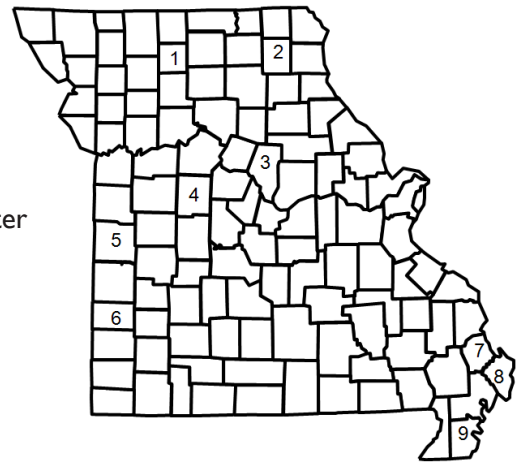
**Data Recorded:** Plant height was measured at maturity. Lodging was rated immediately before harvest using a scale of 1 to 5 where 1 = all plants erect, 3 = all plants leaning moderately or 20 to 50% lodged, 5 = all plants lodged. During harvest, plot grain weights were measured and an electronic moisture tester was used to determine the moisture content of the grain and test weight. Yields were corrected to a moisture content of 13% and expressed as bushels/acre.

**Accessibility of Data:** Results of the 2011 crop performance tests are available in print format and online at "varietytesting.missouri.edu". If you need assistance in accessing the web site or would like to receive a printed copy please call 573-882-2307.

# NORTH REGION
## CROP MANAGEMENT SUMMARY

There were three locations in the North Region for the Wheat Test (Trenton, Novelty, Columbia). They are located in counties where a significant number of acres of wheat are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary slightly among locations, but reflect those followed by farmers in the area.

1. Trenton (Grundy Co.); Peter Brewer farm
2. Novelty (Knox Co.); Greenley Memorial Research Center
3. Columbia (Boone Co.); Bradford Research & Extension Center




The three locations were planted timely. Precipitation after planting was sparse, so the Columbia location was irrigated to ensure uniform emergence. Winter survival was good. Weather and cultural practices are provided below.

Average temperature (October through May) = 42.1 degrees, 0.3 degrees below normal
Total precipitation (October through May) = 17.6", 4.5" below normal

**CULTURAL PRACTICES - NORTH REGION**

| | Dates | | Fertilizer | | | | Herbicide | | |
|---|---|---|---|---|---|---|---|---|---|
| Location | Planting | Harvest | N | P2O5 | K2O | Tillage | Pre | Post | Fungicide |
| | | | ----pounds/acre---- | | | | | | |
| Trenton | Oct 5 | June 30 | 135 | 90 | 360 | Notill | Roundup Power Max | Harmony | Headline, Prosaro |
| Novelty | Oct 4 | June 29 | 100 | 60 | 100 | Notill | Roundup Power Max | Harmony | Prosaro |
| Columbia | Oct 6 | June 24 | 155 | 40 | 60 | Conv. | None | Harmony | Headline, Prosaro |

# TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

SOIL TYPE: Lagonda Silty Clay Loam SOIL TEST: pH=6.7, OM=2.7%, P=26, K=128
RAINFALL: Oct=1.1,Nov=1.7,Dec=0.4,Jan=1.2,Feb=1.9,Mar=1.5,Apr=3.2,May=5.7 TOTAL SEASON RAINFALL = 16.7"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Direct DW Sienna | 83.8** | 53.3 | 1 | 42 |
| AgriMaxx 415 | 82.6* | 55.7 | 1 | 37 |
| AgriMaxx 413 | 80.9* | 51.8 | 1 | 37 |
| Dyna-Gro 9171 | 80.7* | 51.5 | 1 | 37 |
| Willcross 752 | 79.9* | 55.4 | 1 | 36 |
| MO 080104 | 79.6* | 56.0 | 1 | 39 |
| AgriMaxx 490 | 78.8* | 57.1 | 3 | 39 |
| Syngenta Branson | 77.4* | 53.4 | 1 | 36 |
| Excel 166 | 77.3* | 55.6 | 2 | 37 |
| Syngenta W1104 | 76.6* | 52.4 | 1 | 35 |
| Dyna-Gro 9053 | 75.2 | 52.3 | 1 | 37 |
| Pioneer 25R39 | 74.8 | 53.4 | 1 | 36 |
| MFA 2525 | 74.1 | 52.3 | 3 | 42 |
| MFA 2631 | 73.9 | 57.0 | 1 | 38 |
| Syngenta Oakes | 73.7 | 54.5 | 1 | 38 |
| Pioneer 25R32 | 72.8 | 54.8 | 1 | 36 |
| Excel 163 | 72.4 | 56.0 | 2 | 36 |
| Direct DW Exp102 | 71.9 | 53.6 | 1 | 40 |
| Dyna-Gro 9012 | 71.0 | 54.4 | 1 | 37 |
| Willcross 750 | 70.7 | 52.7 | 1 | 38 |
| Excel 180 | 69.5 | 55.6 | 1 | 38 |
| Jamestown | 69.3 | 58.2 | 1 | 35 |
| Direct DW Quest | 69.0 | 50.9 | 1 | 39 |
| Excel 341 | 68.9 | 51.8 | 1 | 38 |
| Milton | 68.9 | 53.7 | 2 | 40 |
| Excel 442 | 68.1 | 52.2 | 1 | 43 |
| Lewis 842 | 67.9 | 53.0 | 1 | 40 |
| AgriMaxx 412 | 67.2 | 52.6 | 1 | 33 |
| Bess | 67.1 | 55.0 | 1 | 37 |
| Dyna-Gro 9031 | 67.1 | 55.1 | 2 | 40 |
| Merl | 67.0 | 54.1 | 1 | 38 |
| Excel 234 | 66.4 | 54.8 | 2 | 40 |
| Pioneer 25R56 | 65.9 | 50.3 | 1 | 36 |
| Lewis 835 | 65.4 | 55.0 | 3 | 37 |
| Truman | 62.0 | 53.7 | 1 | 37 |
| Excel 168 | 59.1 | 56.0 | 1 | 39 |
| Excel 173 | 56.7 | 52.8 | 1 | 38 |
| **GRAND MEAN** | **71.8** | **54.0** | **1** | **38** |
| **LSD (10%)** | **7.6** | **1.2** | | |
| **CV (%)** | **7.9** | **1.7** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1=no lodging and 5=plants are completely flat*

# NOVELTY, MO (KNOX COUNTY) - NORTH REGION

SOIL TYPE: Putnam Silt Loam SOIL TEST: pH=5.9, OM=3.5%, P=78, K=396
RAINFALL: Oct=1.1,Nov=1.6,Dec=0.8,Jan=0.7,Feb=2.3,Mar=1.4,Apr=3.3,May=3.7 TOTAL SEASON RAINFALL = 14.9"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Syngenta W1104 | 63.4** | 52.0 | 1 | 36 |
| AgriMaxx 413 | 60.3* | 50.2 | 1 | 34 |
| MFA 2525 | 59.9* | 51.7 | 1 | 43 |
| AgriMaxx 415 | 58.3* | 54.2 | 1 | 36 |
| Willcross 752 | 57.0* | 54.3 | 1 | 35 |
| Truman | 54.2 | 52.3 | 1 | 39 |
| Milton | 53.3 | 53.2 | 1 | 37 |
| Pioneer 25R32 | 52.1 | 54.0 | 1 | 35 |
| Excel 442 | 51.7 | 51.6 | 1 | 40 |
| MFA 2631 | 51.6 | 55.0 | 1 | 39 |
| Excel 166 | 51.4 | 53.6 | 1 | 37 |
| Excel 163 | 50.9 | 55.0 | 1 | 38 |
| Syngenta Oakes | 50.8 | 53.9 | 1 | 35 |
| Excel 180 | 50.7 | 54.9 | 1 | 38 |
| Direct DW Sienna | 50.4 | 52.4 | 1 | 41 |
| Excel 168 | 50.3 | 54.7 | 1 | 37 |
| Bess | 50.2 | 54.4 | 1 | 36 |
| AgriMaxx 490 | 50.1 | 55.2 | 1 | 37 |
| MO 080104 | 49.8 | 54.3 | 1 | 36 |
| Dyna-Gro 9171 | 48.5 | 50.4 | 1 | 33 |
| Dyna-Gro 9053 | 48.3 | 50.5 | 1 | 37 |
| Pioneer 25R39 | 47.5 | 51.8 | 1 | 33 |
| Willcross 750 | 47.2 | 52.1 | 1 | 34 |
| Dyna-Gro 9031 | 46.9 | 55.3 | 1 | 38 |
| Lewis 835 | 46.4 | 54.8 | 1 | 37 |
| Direct DW Exp102 | 46.3 | 51.9 | 1 | 37 |
| Direct DW Quest | 46.3 | 49.1 | 1 | 39 |
| Dyna-Gro 9012 | 45.5 | 53.3 | 1 | 37 |
| AgriMaxx 412 | 45.4 | 52.2 | 1 | 33 |
| Excel 234 | 43.3 | 52.3 | 1 | 37 |
| Jamestown | 42.7 | 55.3 | 1 | 34 |
| Syngenta Branson | 40.4 | 52.7 | 1 | 33 |
| Lewis 842 | 37.9 | 50.7 | 1 | 37 |
| Merl | 37.3 | 53.1 | 1 | 35 |
| Excel 341 | 36.7 | 51.4 | 1 | 39 |
| Pioneer 25R56 | 36.7 | 49.0 | 1 | 33 |
| Excel 173 | 36.6 | 51.4 | 1 | 36 |
| **GRAND MEAN** | **48.3** | **52.7** | **1** | **37** |
| **LSD (10%)** | **6.9** | **0.8** | | |
| **CV (%)** | **10.5** | **1.2** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1=no lodging and 5=plants are completely flat*

# COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

SOIL TYPE: Mexico Silt Loam SOIL TEST: pH=6.0, OM=2.9%, P=28, K=182
RAINFALL: Oct=0.2,Nov=1.8,Dec=1.3,Jan=0.9,Feb=4.0,Mar=3.3,Apr=3.1,May=6.7 TOTAL SEASON RAINFALL = 21.3"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Direct DW Sienna | 76.5** | 54.3 | 1 | 42 |
| Syngenta W1104 | 73.7* | 52.1 | 1 | 37 |
| AgriMaxx 413 | 70.0 | 51.8 | 1 | 36 |
| Dyna-Gro 9171 | 69.4 | 51.3 | 1 | 34 |
| Pioneer 25R32 | 67.2 | 54.1 | 1 | 37 |
| Milton | 66.8 | 52.5 | 1 | 41 |
| Willcross 752 | 64.3 | 53.9 | 1 | 35 |
| MFA 2631 | 63.7 | 55.1 | 1 | 39 |
| Truman | 63.6 | 50.2 | 1 | 41 |
| MO 080104 | 63.4 | 54.1 | 1 | 39 |
| Pioneer 25R56 | 63.0 | 50.7 | 1 | 35 |
| Pioneer 25R39 | 62.6 | 53.0 | 1 | 38 |
| Syngenta Oakes | 62.2 | 53.0 | 1 | 39 |
| AgriMaxx 415 | 62.1 | 53.7 | 1 | 36 |
| Direct DW Exp102 | 61.6 | 53.5 | 1 | 41 |
| MFA 2525 | 61.5 | 52.9 | 1 | 43 |
| Bess | 60.7 | 54.0 | 1 | 38 |
| Syngenta Branson | 60.6 | 53.9 | 1 | 36 |
| Merl | 60.1 | 53.0 | 1 | 37 |
| Excel 234 | 59.6 | 54.0 | 1 | 38 |
| Excel 166 | 59.4 | 54.1 | 1 | 39 |
| Direct DW Quest | 58.8 | 51.5 | 1 | 40 |
| Excel 442 | 58.0 | 52.0 | 1 | 42 |
| Dyna-Gro 9031 | 57.9 | 53.7 | 1 | 38 |
| AgriMaxx 412 | 57.5 | 53.3 | 1 | 35 |
| AgriMaxx 490 | 57.4 | 56.4 | 1 | 38 |
| Dyna-Gro 9012 | 57.0 | 53.6 | 1 | 35 |
| Jamestown | 56.7 | 56.5 | 1 | 36 |
| Lewis 842 | 56.7 | 52.2 | 1 | 40 |
| Excel 180 | 56.1 | 53.7 | 1 | 37 |
| Dyna-Gro 9053 | 56.0 | 50.4 | 1 | 36 |
| Lewis 835 | 56.0 | 54.0 | 1 | 36 |
| Excel 341 | 54.5 | 51.9 | 1 | 42 |
| Excel 168 | 52.6 | 54.0 | 1 | 40 |
| Willcross 750 | 51.8 | 53.3 | 1 | 37 |
| Excel 163 | 51.3 | 56.0 | 1 | 38 |
| Excel 173 | 51.1 | 53.2 | 1 | 40 |
| **GRAND MEAN** | **60.7** | **53.0** | **1** | **38** |
| **LSD (10%)** | **4.1** | **1.2** | | |
| **CV (%)** | **5.3** | **1.7** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1=no lodging and 5=plants are completely flat*

# NORTH REGION SUMMARY

| TRENTON | NOVELTY | COLUMBIA |
|---|---|---|
| Planted: 10-05 | Planted: 10-04 | Planted: 10-06 |
| Harvested: 06-30 | Harvested: 06-29 | Harvested: 06-24 |
| Growing Season Rain: 16.7" | Growing Season Rain: 14.9" | Growing Season Rain: 21.3" |

| Brand/Variety | Trenton Bu/Ac | Novelty Bu/Ac | Columbia Bu/Ac | Mean Bu/Ac |
|---|---|---|---|---|
| Syngenta W1104 | 76.6* | 63.4** | 73.7* | 71.2** |
| AgriMaxx 413 | 80.9* | 60.3* | 70.0 | 70.4* |
| Direct DW Sienna | 83.8** | 50.4 | 76.5** | 70.2* |
| AgriMaxx 415 | 82.6* | 58.3* | 62.1 | 67.6* |
| Willcross 752 | 79.9* | 57.0* | 64.3 | 67.0 |
| Dyna-Gro 9171 | 80.7* | 48.5 | 69.4 | 66.2 |
| MFA 2525 | 74.1 | 59.9* | 61.5 | 65.1 |
| MO 080104 | 79.6* | 49.8 | 63.4 | 64.2 |
| Pioneer 25R32 | 72.8 | 52.1 | 67.2 | 64.0 |
| MFA 2631 | 73.9 | 51.6 | 63.7 | 63.0 |
| Milton | 68.9 | 53.3 | 66.8 | 63.0 |
| Excel 166 | 77.3* | 51.4 | 59.4 | 62.7 |
| Syngenta Oakes | 73.7 | 50.8 | 62.2 | 62.2 |
| AgriMaxx 490 | 78.8* | 50.1 | 57.4 | 62.1 |
| Pioneer 25R39 | 74.8 | 47.5 | 62.6 | 61.6 |
| Direct DW Exp102 | 71.9 | 46.3 | 61.6 | 59.9 |
| Truman | 62.0 | 54.2 | 63.6 | 59.9 |
| Dyna-Gro 9053 | 75.2 | 48.3 | 56.0 | 59.8 |
| Syngenta Branson | 77.4* | 40.4 | 60.6 | 59.4 |
| Bess | 67.1 | 50.2 | 60.7 | 59.3 |
| Excel 442 | 68.1 | 51.7 | 58.0 | 59.2 |
| Excel 180 | 69.5 | 50.7 | 56.1 | 58.7 |
| Excel 163 | 72.4 | 50.9 | 51.3 | 58.2 |
| Direct DW Quest | 69.0 | 46.3 | 58.8 | 58.0 |
| Dyna-Gro 9012 | 71.0 | 45.5 | 57.0 | 57.8 |
| Dyna-Gro 9031 | 67.1 | 46.9 | 57.9 | 57.3 |
| AgriMaxx 412 | 67.2 | 45.4 | 57.5 | 56.7 |
| Willcross 750 | 70.7 | 47.2 | 51.8 | 56.5 |
| Excel 234 | 66.4 | 43.3 | 59.6 | 56.4 |
| Jamestown | 69.3 | 42.7 | 56.7 | 56.2 |
| Lewis 835 | 65.4 | 46.4 | 56.0 | 55.9 |
| Pioneer 25R56 | 65.9 | 36.7 | 63.0 | 55.2 |
| Merl | 67.0 | 37.3 | 60.1 | 54.8 |
| Lewis 842 | 67.9 | 37.9 | 56.7 | 54.1 |
| Excel 168 | 59.1 | 50.3 | 52.6 | 54.0 |
| Excel 341 | 68.9 | 36.7 | 54.5 | 53.3 |
| Excel 173 | 56.7 | 36.6 | 51.1 | 48.1 |
| **GRAND MEAN** | **71.8** | **48.3** | **60.7** | **60.3** |
| **LSD (10%)** | **7.6** | **6.9** | **4.1** | **3.6** |
| **CV (%)** | **7.9** | **10.5** | **5.3** | **7.7** |

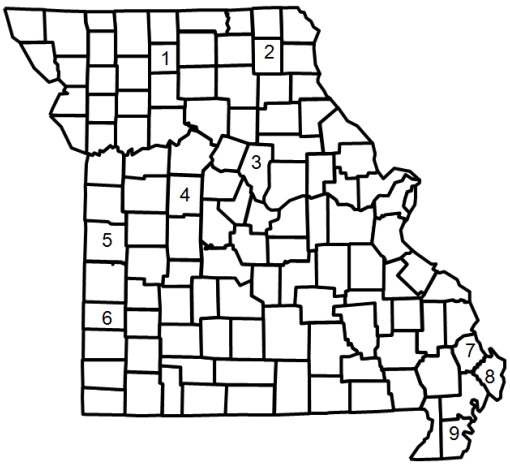
***Highest yielding variety in test*

**Yield not significantly less than the highest yielding variety in the test.*

# SOUTHWEST REGION
## CROP MANAGEMENT SUMMARY

There were three locations in the Southwest Region for the Wheat Test (Hughesville, Adrian, Lamar). They are located in counties where a significant number of acres of wheat are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary slightly among locations, but reflect those followed by farmers in the area.

4. Hughesville (Pettis County); Kenny Tevis farm
5. Adrian (Bates County); Darrel Tenholder farm
6. Lamar (Barton County); David Sheat farm




These three were planted timely, and soil conditions were good for rapid emergence. Winter survival was excellent. Spring and early summer weather was wetter than normal, but the plots continued to progress normally to maturity. Weather and cultural practices are provided below.

Average temperature (October through May) = 45.4 degrees, 2.3 degrees above normal
Total precipitation (October through May) = 22.4", 1.0" below normal

**CULTURAL PRACTICES: SOUTHWEST REGION**

| | Dates | | Fertilizer | | | | Herbicide | | |
|---|---|---|---|---|---|---|---|---|---|
| Location | Planting | Harvest | N | P2O5 | K2O | Tillage | Pre | Post | Fungicide |
| | | | ----pounds/acre---- | | | | | | |
| Hughesville | Oct 21 | June 28 | 95 | 65 | 45 | Conv. | None | None | Prosaro |
| Adrain | Oct 7 | June 22 | 125 | 0 | 0 | Notill | Roundup Power Max | Harmony | Prosaro |
| Lamar | Oct 7 | June 22 | 170 | 80 | 80 | Conv. | None | Harmony | Headline, Prosaro |

# HUGHESVILLE, MO (PETIS COUNTY) - SOUTHWEST REGION

SOIL TYPE: Arispe Silt Loam SOIL TEST: pH=5.1, OM=2.1%, P=74, K=220

RAINFALL: Oct=0.6,Nov=3.8,Dec=1.2,Jan=1.1,Feb=4.7,Mar=2.2,Apr=3.6,May=4.3 TOTAL SEASON RAINFALL = 21.5"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| AgriMaxx 413 | 78.5** | 52.8 | 1 | 30 |
| Direct DW Sienna | 70.3 | 53.1 | 1 | 40 |
| MO 080104 | 70.3 | 56.1 | 1 | 35 |
| Pioneer 25R56 | 68.4 | 52.0 | 1 | 34 |
| Syngenta W1104 | 67.6 | 52.4 | 1 | 38 |
| Dyna-Gro 9012 | 65.6 | 55.1 | 1 | 31 |
| Milton | 65.6 | 55.0 | 1 | 38 |
| AgriMaxx 415 | 65.3 | 55.4 | 1 | 36 |
| MFA 2525 | 64.5 | 53.1 | 1 | 42 |
| Pioneer 25R39 | 64.3 | 54.3 | 1 | 33 |
| Direct DW Exp102 | 64.0 | 54.0 | 1 | 34 |
| Pioneer 25R32 | 63.9 | 55.4 | 1 | 34 |
| Lewis 842 | 63.8 | 54.0 | 1 | 40 |
| Syngenta Branson | 63.6 | 53.9 | 2 | 35 |
| Lewis 835 | 63.2 | 55.6 | 1 | 35 |
| Dyna-Gro 9053 | 61.9 | 52.9 | 1 | 32 |
| MFA 2631 | 61.8 | 55.9 | 1 | 36 |
| Bess | 61.3 | 55.5 | 1 | 36 |
| Direct DW Quest | 61.2 | 52.0 | 1 | 36 |
| Jamestown | 60.8 | 57.9 | 1 | 32 |
| Excel 180 | 60.7 | 55.9 | 1 | 37 |
| Merl | 60.4 | 55.5 | 2 | 36 |
| Syngenta Oakes | 59.6 | 55.7 | 1 | 37 |
| Dyna-Gro 9031 | 59.1 | 54.9 | 2 | 36 |
| AgriMaxx 412 | 58.0 | 53.7 | 1 | 33 |
| Truman | 56.8 | 55.0 | 1 | 37 |
| AgriMaxx 490 | 55.0 | 56.4 | 1 | 38 |
| **GRAND MEAN** | **62.8** | **54.6** | **1** | **36** |
| **LSD (10%)** | **5.8** | **0.8** | | |
| **CV (%)** | **6.7** | **1.1** | | |

***Highest yielding variety in test*

**Yield not significantly less than the highest yielding variety in the test*

*~Lodging rated on a 1 to 5 scale where 1=no lodging and 5=plants are completely flat*

# ADRIAN, MO (BATES COUNTY) - SOUTHWEST REGION

SOIL TYPE: Kenoma Silt Loam SOIL TEST: pH=6.4, OM=2.8%, P=262, K=906

RAINFALL: Oct=0.4,Nov=3.4,Dec=1.0,Jan=1.1,Feb=4.8,Mar=3.1,Apr=3.9,May=5.8 TOTAL SEASON RAINFALL = 23.5"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Direct DW Sienna | 82.8** | 53.9 | 1 | 39 |
| Milton | 79.3 | 56.4 | 1 | 37 |
| AgriMaxx 415 | 78.8 | 56.0 | 1 | 36 |
| Jamestown | 78.7 | 57.6 | 1 | 35 |
| Pioneer 25R32 | 77.2 | 55.6 | 1 | 36 |
| AgriMaxx 413 | 76.2 | 52.3 | 1 | 34 |
| Pioneer 25R56 | 75.8 | 53.4 | 1 | 34 |
| Syngenta Oakes | 75.7 | 55.9 | 1 | 39 |
| Dyna-Gro 9053 | 75.4 | 52.0 | 1 | 36 |
| Dyna-Gro 9012 | 75.0 | 55.7 | 1 | 36 |
| Pioneer 25R39 | 74.8 | 54.5 | 1 | 36 |
| AgriMaxx 412 | 73.3 | 55.8 | 1 | 35 |
| Bess | 72.0 | 55.8 | 1 | 38 |
| MFA 2631 | 71.5 | 56.7 | 2 | 39 |
| Syngenta Branson | 71.2 | 54.3 | 1 | 36 |
| Excel 180 | 70.7 | 55.9 | 1 | 36 |
| Merl | 70.7 | 56.1 | 1 | 35 |
| AgriMaxx 490 | 70.6 | 56.8 | 1 | 37 |
| MFA 2525 | 70.4 | 53.2 | 1 | 39 |
| MO 080104 | 69.9 | 57.0 | 1 | 38 |
| Dyna-Gro 9031 | 69.6 | 56.2 | 1 | 37 |
| Lewis 835 | 68.6 | 56.0 | 1 | 38 |
| Lewis 842 | 68.6 | 54.3 | 1 | 39 |
| Syngenta W1104 | 68.6 | 53.3 | 1 | 36 |
| Direct DW Exp102 | 67.8 | 54.5 | 1 | 41 |
| Direct DW Quest | 63.8 | 51.8 | 1 | 37 |
| Truman | 62.7 | 54.4 | 1 | 41 |
| **GRAND MEAN** | **71.8** | **55.1** | **1** | **37** |
| **LSD (10%)** | **3.3** | **0.5** | | |
| **CV (%)** | **3.6** | **0.7** | | |

***Highest yielding variety in test*

**Yield not significantly less than the highest yielding variety in the test*

*~Lodging rated on a 1 to 5 scale where 1= no lodging and 5=plants are completely flat*

# LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

SOIL TYPE: Parsons Silt Loam  SOIL TEST: pH=6.9, OM=2.5%, P=46,  K=270

RAINFALL:  Oct=0.6,Nov=2.2,Dec=1.1,Jan=0.2,Feb=4.6,Mar=3.8,Apr=4.7,May=5.3  TOTAL SEASON RAINFALL = 22.5"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| AgriMaxx 413 | 65.1** | 53.4 | 1 | 29 |
| AgriMaxx 415 | 60.8* | 56.7 | 1 | 31 |
| Direct DW Sienna | 55.9 | 54.9 | 1 | 37 |
| Dyna-Gro 9012 | 55.8 | 56.5 | 1 | 34 |
| Pioneer 25R32 | 55.3 | 56.7 | 1 | 36 |
| Dyna-Gro 9053 | 55.0 | 54.1 | 1 | 33 |
| Milton | 54.9 | 57.3 | 1 | 37 |
| AgriMaxx 490 | 54.6 | 56.8 | 1 | 33 |
| Truman | 54.5 | 56.4 | 1 | 39 |
| MO 080104 | 54.4 | 56.9 | 1 | 36 |
| MFA 2631 | 53.7 | 56.3 | 1 | 33 |
| Lewis 835 | 53.3 | 55.8 | 1 | 34 |
| Bess | 52.1 | 56.7 | 1 | 36 |
| Excel 180 | 51.4 | 55.9 | 1 | 33 |
| Syngenta Branson | 51.0 | 54.9 | 1 | 32 |
| Dyna-Gro 9031 | 50.2 | 55.7 | 1 | 33 |
| Syngenta W1104 | 49.7 | 55.3 | 1 | 32 |
| Pioneer 25R39 | 49.4 | 56.2 | 1 | 35 |
| Merl | 49.2 | 57.1 | 1 | 34 |
| Direct DW Exp102 | 48.3 | 55.8 | 1 | 33 |
| Syngenta Oakes | 48.2 | 57.1 | 1 | 34 |
| Jamestown | 47.8 | 58.0 | 1 | 33 |
| MFA 2525 | 47.6 | 55.9 | 1 | 37 |
| Pioneer 25R56 | 46.7 | 54.8 | 1 | 35 |
| Lewis 842 | 45.3 | 56.1 | 1 | 36 |
| AgriMaxx 412 | 44.8 | 55.3 | 1 | 30 |
| Direct DW Quest | 41.0 | 54.7 | 1 | 35 |
| **GRAND MEAN** | **51.8** | **56.0** | **1** | **34** |
| **LSD (10%)** | **4.6** | **0.6** | | |
| **CV (%)** | **6.6** | **0.8** | | |

***Highest yielding variety in test*

**Yield not significantly less than the highest yielding variety in the test*

*~Lodging rated on a 1 to 5 scale where 1= no lodging and 5=plants are completely flat*

# SOUTHWEST REGION SUMMARY

HUGHESVILLE
Planted: 10-21
Harvested: 06-28
Growing Season Rain: 21.5”

ADRIAN
Planted: 10-07
Harvested: 06-22
Growing Season Rain: 23.5”

LAMAR
Planted: 10-7
Harvested: 06-22
Growing Season Rain: 22.5”

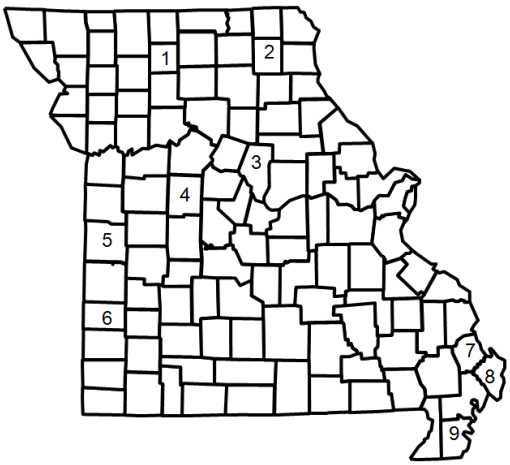
| Brand/Variety | Hughesville Bu/Ac | Adrian Bu/Ac | Lamar Bu/Ac | Mean Bu/Ac |
|---|---|---|---|---|
| AgriMaxx 413 | 78.5** | 76.2 | 65.1** | 73.2** |
| Direct DW Sienna | 70.3 | 82.8** | 55.9 | 69.6 |
| AgriMaxx 415 | 65.3 | 78.8 | 60.8* | 68.3 |
| Milton | 65.6 | 79.3 | 54.9 | 66.6 |
| Dyna-Gro 9012 | 65.6 | 75.0 | 55.8 | 65.4 |
| Pioneer 25R32 | 63.9 | 77.2 | 55.3 | 65.4 |
| MO 080104 | 70.3 | 69.9 | 54.4 | 64.8 |
| Dyna-Gro 9053 | 61.9 | 75.4 | 55.0 | 64.1 |
| Pioneer 25R56 | 68.4 | 75.8 | 46.7 | 63.6 |
| Pioneer 25R39 | 64.3 | 74.8 | 49.4 | 62.8 |
| Jamestown | 60.8 | 78.7 | 47.8 | 62.4 |
| MFA 2631 | 61.8 | 71.5 | 53.7 | 62.3 |
| Syngenta Branson | 63.6 | 71.2 | 51.0 | 61.9 |
| Syngenta W1104 | 67.6 | 68.6 | 49.7 | 61.9 |
| Bess | 61.3 | 72.0 | 52.1 | 61.8 |
| Lewis 835 | 63.2 | 68.6 | 53.3 | 61.7 |
| Syngenta Oakes | 59.6 | 75.7 | 48.2 | 61.1 |
| Excel 180 | 60.7 | 70.7 | 51.4 | 60.9 |
| MFA 2525 | 64.5 | 70.4 | 47.6 | 60.8 |
| Merl | 60.4 | 70.7 | 49.2 | 60.1 |
| AgriMaxx 490 | 55.0 | 70.6 | 54.6 | 60.0 |
| Direct DW Exp102 | 64.0 | 67.8 | 48.3 | 60.0 |
| Dyna-Gro 9031 | 59.1 | 69.6 | 50.2 | 59.6 |
| Lewis 842 | 63.8 | 68.6 | 45.3 | 59.2 |
| AgriMaxx 412 | 58.0 | 73.3 | 44.8 | 58.7 |
| Truman | 56.8 | 62.7 | 54.5 | 58.0 |
| Direct DW Quest | 61.2 | 63.8 | 41.0 | 55.3 |
| **GRAND MEAN** | **62.8** | **71.8** | **51.8** | **62.1** |
| **LSD (10%)** | **5.8** | **3.3** | **4.6** | **2.6** |
| **CV (%)** | **6.7** | **3.6** | **6.6** | **5.5** |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test.*

# SOUTHEAST REGION
## CROP MANAGEMENT SUMMARY

There were three locations in the Southeast Region for the Wheat Test. They are located in counties where a significant number of acres of wheat are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary slightly among locations, but reflect those followed by farmers in the area.

7. Chaffee (Scott County); Martin Eftink farm
8. Charleston (Mississippi County); Don Deline farm
9. Portageville (Pemiscot County); Delta Research Center




Precipitation after planting in October 2010 was sparse, so the Charleston location was irrigated to ensure uniform emergence. Despite excessive rainfall throughout the rest of the growing season, the wheat experiments in the Southeast Region managed to produce good stands and good yields. Weather and cultural practices are provided below. An insecticide, Karate, was applied at the Charleston location.

Average temperature (October through May) = 49.0 degrees, 0.9 degrees above normal
Total precipitation (October through May) = 46.2 inches, 12.7 inches above normal

**CULTURAL PRACTICES: SOUTHEAST REGION**

| | Dates | | Fertilizer | | | | Herbicide | | |
|---|---|---|---|---|---|---|---|---|---|
| Location | Planting | Harvest | N | P2O5 | K2O | Tillage | Pre | Post | Fungicide |
| | | | ----pounds/acre---- | | | | | | |
| Chaffee | Oct 13 | June 14 | 140 | 0 | 0 | Conv. | None | Harmony | Prosaro |
| Charleston | Oct 12 | June 14 | 150 | 45 | 60 | Conv. | None | Harmony; 2, 4-D | Folicur, Prosaro |
| Portageville | Oct 12 | June 15 | 140 | 0 | 0 | Conv. | None | Harmony | Prosaro |

# CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

SOIL TYPE: Commerce Silt Loam SOIL TEST: pH=6.7; OM=1.9; P=482; K=426

RAINFALL: Oct=0.7,Nov=5.5,Dec=1.4,Jan=2.5,Feb=7.3,Mar=5.5,Apr=18.6,May=8.4 TOTAL SEASON RAINFALL = 49.9"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Progeny PGX10-5 | 80.0** | 53.7 | 1 | 33 |
| Dyna-Gro 9171 | 78.4* | 52.9 | 1 | 34 |
| Terral TVX8626 | 78.3* | 53.8 | 1 | 36 |
| USG 3251 | 77.7* | NA | 1 | 36 |
| Armor Ricochet | 77.3* | 54.3 | 1 | 36 |
| Terral TVX8848 | 76.6* | 51.8 | 1 | 40 |
| USG 3438 | 75.0 | 53.6 | 1 | 34 |
| Delta Grow 7500 | 74.8 | 53.6 | 1 | 36 |
| Progeny PGX10-7 | 74.4 | 52.8 | 1 | 40 |
| Terral TVX8535 | 74.4 | 54.2 | 1 | 38 |
| AgriMaxx 413 | 73.5 | 53.9 | 1 | 34 |
| Pioneer XW09H | 73.4 | 52.1 | 1 | 36 |
| Dixie McAlister | 72.9 | 53.7 | 1 | 35 |
| Syngenta Beretta | 71.6 | 55.4 | 1 | 36 |
| USG 3555 | 71.5 | 53.7 | 1 | 32 |
| Terral TV8861 | 71.3 | NA | 1 | 36 |
| USG 3345 | 71.2 | 56.2 | 2 | 34 |
| Dyna-Gro 9053 | 71.1 | 53.3 | 1 | 33 |
| Syngenta W1104 | 71.1 | 54.3 | 1 | 36 |
| Direct DW Sienna | 70.4 | 54.5 | 1 | 38 |
| Syngenta Branson | 70.4 | 54.8 | 1 | 36 |
| Dixie Kelsey | 69.4 | 55.6 | 1 | 35 |
| Delta Grow 7900 | 68.4 | 55.9 | 1 | 34 |
| Armor ARX 0186 | 68.3 | 56.4 | 1 | 34 |
| Armor Renegade | 68.1 | 54.2 | 1 | 34 |
| USG 3770 | 68.0 | 55.7 | 1 | 36 |
| Pioneer 25R32 | 67.8 | 55.5 | 1 | 38 |
| Syngenta SY9978 | 67.3 | 53.7 | 1 | 36 |
| Pioneer 25R78 | 67.2 | 54.4 | 2 | 36 |
| Terral TVX8525 | 66.6 | 53.7 | 1 | 38 |
| Armor ARX 0179 | 66.3 | 56.8 | 1 | 36 |
| Bess | 66.2 | 56.3 | 2 | 37 |
| Terral TV8589 | 66.2 | 53.8 | 1 | 38 |
| USG 3201 | 66.2 | 56.0 | 1 | 36 |
| Pioneer 26R20 | 66.1 | 54.6 | 1 | 36 |
| AgriMaxx 412 | 65.7 | 56.0 | 1 | 35 |
| AgriMaxx 415 | 65.6 | 56.0 | 1 | 36 |
| Syngenta Oakes | 64.9 | 57.2 | 1 | 32 |
| Pioneer 25R56 | 64.8 | 55.4 | 1 | 36 |
| Progeny 185 | 64.2 | 53.4 | 1 | 32 |

## CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Excel 166 | 64.1 | 55.0 | 1 | 38 |
| Pioneer 26R22 | 64.0 | 53.4 | 1 | 36 |
| Direct DW Quest | 63.4 | 54.7 | 1 | 40 |
| Merl | 63.4 | 55.5 | 1 | 34 |
| Dyna-Gro 9012 | 63.2 | 55.6 | 1 | 36 |
| Truman | 63.1 | NA | 1 | 44 |
| Dixie 454 | 62.7 | 55.7 | 1 | 36 |
| Milton | 62.7 | 55.7 | 1 | 38 |
| Progeny 166 | 62.7 | 54.0 | 1 | 42 |
| Progeny PGX10-2 | 62.7 | 55.8 | 2 | 36 |
| Excel 180 | 62.2 | 55.6 | 1 | 37 |
| Excel 168 | 61.9 | 57.4 | 1 | 34 |
| Pioneer 26R15 | 61.9 | 54.5 | 2 | 38 |
| Progeny 117 | 61.8 | 54.6 | 2 | 36 |
| AgriMaxx 490 | 60.4 | 57.2 | 2 | 34 |
| Terral TVX8460 | 60.4 | 54.8 | 1 | 38 |
| Excel 170 | 60.1 | 54.6 | 1 | 32 |
| Excel 242 | 59.5 | 55.5 | 1 | 38 |
| Jamestown | 58.7 | 56.5 | 1 | 34 |
| Progeny 125 | 58.5 | 54.5 | 1 | 36 |
| Terral TV8558 | 57.5 | 55.6 | 1 | 38 |
| Dixie Brown | 57.3 | 54.2 | 1 | 32 |
| MO 080104 | 57.2 | 56.1 | 1 | 34 |
| Direct DW Exp102 | 56.1 | 54.7 | 1 | 38 |
| Delta Grow 8300 | 52.4 | 54.4 | 1 | 36 |
| **GRAND MEAN** | **66.1** | **54.4** | **1** | **36** |
| **LSD (10%)** | **4.4** | **1.0** | | |
| **CV (%)** | **5.2** | **1.5** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1= no lodging and 5=plants are completely flat*

# CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

SOIL TYPE: Dundee Silt Loam SOIL TEST: pH=5.9, OM=1.6, P=56, K=442

RAINFALL: Oct=0.5,Nov=5.9,Dec=1.6,Jan=2.1,Feb=6.7,Mar=6.6,Apr=14.0,May=8.7 TOTAL SEASON RAINFALL = 46.1"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| USG 3438 | 94.6** | 55.7 | 1 | 34 |
| AgriMaxx 413 | 90.3* | 56.5 | 1 | 34 |
| Delta Grow 7500 | 89.4* | 56.5 | 1 | 32 |
| Armor Ricochet | 89.3* | 56.3 | 1 | 34 |
| Terral TVX8535 | 88.8* | 56.4 | 1 | 32 |
| Pioneer 25R78 | 87.8 | 58.6 | 1 | 36 |
| USG 3251 | 87.3 | 55.9 | 1 | 36 |
| Dixie McAlister | 87.0 | 56.7 | 1 | 34 |
| Dyna-Gro 9171 | 86.7 | 56.5 | 1 | 33 |
| Pioneer XW09H | 86.0 | 56.7 | 1 | 34 |
| USG 3345 | 85.6 | 58.5 | 1 | 34 |
| Progeny PGX10-5 | 85.5 | 55.9 | 1 | 34 |
| Terral TVX8626 | 85.3 | 54.9 | 1 | 34 |
| Delta Grow 7900 | 85.2 | 59.8 | 1 | 34 |
| USG 3555 | 85.2 | 56.8 | 1 | 32 |
| Terral TVX8848 | 84.7 | 56.5 | 1 | 34 |
| Direct DW Quest | 84.5 | 57.3 | 1 | 38 |
| Dyna-Gro 9053 | 83.7 | 55.0 | 1 | 34 |
| Armor ARX 0179 | 83.6 | 59.8 | 1 | 31 |
| Dixie 454 | 83.3 | 59.0 | 1 | 38 |
| Pioneer 26R22 | 82.9 | 56.1 | 1 | 42 |
| AgriMaxx 412 | 82.3 | 59.5 | 1 | 32 |
| Progeny PGX10-7 | 82.2 | 54.0 | 1 | 36 |
| Pioneer 25R32 | 81.2 | 59.2 | 1 | 34 |
| USG 3770 | 80.6 | 59.1 | 1 | 32 |
| Syngenta Oakes | 80.3 | 58.5 | 1 | 32 |
| USG 3201 | 80.2 | 59.5 | 1 | 36 |
| Syngenta Branson | 80.1 | 58.1 | 1 | 34 |
| Pioneer 26R20 | 79.8 | 57.7 | 1 | 34 |
| Syngenta Beretta | 79.6 | 57.6 | 1 | 33 |
| Syngenta W1104 | 79.6 | 56.9 | 1 | 32 |
| Milton | 79.5 | 58.1 | 1 | 38 |
| Progeny 125 | 79.1 | 58.3 | 1 | 34 |
| Progeny 185 | 78.4 | 57.0 | 1 | 34 |
| Excel 180 | 78.2 | 60.0 | 1 | 36 |
| Syngenta SY9978 | 77.9 | 54.7 | 1 | 36 |
| Terral TV8589 | 77.8 | 55.5 | 1 | 38 |
| Direct DW Sienna | 77.5 | 58.1 | 1 | 40 |
| Terral TV8861 | 77.5 | 56.0 | 1 | 34 |
| Excel 168 | 77.2 | 60.4 | 2 | 36 |

## CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Pioneer 26R15 | 77.2 | 56.5 | 1 | 36 |
| Progeny 117 | 77.1 | 57.8 | 1 | 34 |
| Excel 166 | 76.9 | 57.9 | 1 | 36 |
| Armor ARX 0186 | 76.8 | 58.9 | 1 | 38 |
| Progeny 166 | 76.7 | 57.3 | 1 | 38 |
| Terral TVX8525 | 76.3 | 57.6 | 1 | 32 |
| Dixie Kelsey | 75.9 | 58.9 | 1 | 34 |
| Terral TVX8460 | 75.9 | 57.8 | 1 | 38 |
| Direct DW Exp102 | 75.6 | 58.5 | 1 | 40 |
| Excel 170 | 75.6 | 58.7 | 1 | 33 |
| Excel 242 | 75.6 | 58.2 | 1 | 34 |
| Dyna-Gro 9012 | 75.5 | 59.1 | 1 | 32 |
| Bess | 75.3 | 59.4 | 1 | 34 |
| Pioneer 25R56 | 74.6 | 58.0 | 1 | 32 |
| Armor Renegade | 74.3 | 57.4 | 1 | 36 |
| Progeny PGX10-2 | 74.1 | 58.3 | 1 | 36 |
| Merl | 74.0 | 58.2 | 1 | 34 |
| AgriMaxx 415 | 72.4 | 59.1 | 1 | 32 |
| Dixie Brown | 71.7 | 56.5 | 2 | 36 |
| MO 080104 | 70.7 | 59.5 | 1 | 36 |
| Jamestown | 69.9 | 60.1 | 1 | 34 |
| Terral TV8558 | 67.7 | 57.9 | 1 | 34 |
| Truman | 67.1 | 54.8 | 1 | 42 |
| AgriMaxx 490 | 63.9 | 59.9 | 2 | 34 |
| Delta Grow 8300 | 56.6 | 55.9 | 1 | 32 |
| **GRAND MEAN** | **78.9** | **57.5** | **1** | **35** |
| **LSD (10%)** | **6.7** | **0.9** | | |
| **CV (%)** | **6.6** | **1.2** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1= no lodging and 5=plants are completely flat*

# PORTAGEVILLE, MO (PEMISCOT COUNTY) - SOUTHEAST REGION

SOIL TYPE: Tiptonville Silt Loam SOIL TEST: pH=5.9, OM=1.4, P=74, K=232

RAINFALL: Oct=0.6,Nov=5.4,Dec=1.5,Jan=1.9,Feb=7.5,Mar=6.1,Apr=14.0,May=10.4 TOTAL SEASON RAINFALL = 42.6"

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| USG 3251 | 86.1** | 55.2 | 1 | 35 |
| AgriMaxx 413 | 85.8* | 53.0 | 1 | 33 |
| USG 3555 | 84.2* | 53.7 | 1 | 30 |
| USG 3438 | 83.7* | 52.4 | 1 | 30 |
| Terral TV8861 | 82.1* | 54.7 | 1 | 34 |
| Delta Grow 7500 | 81.9* | 52.6 | 1 | 33 |
| Dyna-Gro 9171 | 81.8* | 52.6 | 1 | 29 |
| Terral TVX8626 | 81.5* | 52.1 | 1 | 35 |
| Terral TVX8848 | 81.2* | 53.1 | 1 | 34 |
| Dixie Kelsey | 80.5* | 55.1 | 1 | 33 |
| Pioneer 25R78 | 79.6* | 55.8 | 1 | 34 |
| Armor Ricochet | 79.1 | 51.6 | 1 | 33 |
| Dixie McAlister | 79.1 | 51.2 | 1 | 32 |
| AgriMaxx 415 | 78.8 | 55.0 | 1 | 32 |
| Progeny PGX10-5 | 78.8 | 51.9 | 1 | 30 |
| Terral TVX8535 | 78.8 | 51.3 | 1 | 30 |
| Direct DW Sienna | 78.7 | 54.1 | 1 | 38 |
| Pioneer 25R32 | 78.1 | 55.1 | 1 | 33 |
| USG 3345 | 78.1 | 56.8 | 1 | 33 |
| USG 3201 | 78.0 | 55.1 | 1 | 32 |
| Pioneer 26R22 | 77.7 | 53.8 | 1 | 36 |
| Armor ARX 0186 | 77.6 | 54.4 | 1 | 33 |
| Terral TV8589 | 77.6 | 52.7 | 1 | 36 |
| USG 3770 | 77.5 | 54.9 | 1 | 33 |
| Terral TVX8525 | 76.9 | 55.1 | 1 | 33 |
| Pioneer 25R56 | 76.8 | 54.5 | 1 | 33 |
| Pioneer 26R15 | 76.7 | 53.8 | 1 | 35 |
| Syngenta W1104 | 76.5 | 53.3 | 1 | 31 |
| Bess | 75.8 | 56.9 | 2 | 35 |
| Syngenta Branson | 75.2 | 53.7 | 1 | 35 |
| Armor ARX 0179 | 75.0 | 55.5 | 1 | 33 |
| Armor Renegade | 74.8 | 53.3 | 1 | 35 |
| Delta Grow 7900 | 74.4 | 55.2 | 1 | 35 |
| Pioneer XW09H | 73.6 | 51.8 | 1 | 34 |
| Jamestown | 73.5 | 56.5 | 1 | 33 |
| Syngenta Beretta | 73.5 | 54.4 | 2 | 32 |
| Pioneer 26R20 | 73.3 | 55.1 | 1 | 34 |
| Terral TVX8460 | 72.9 | 54.4 | 1 | 39 |
| Direct DW Quest | 71.9 | 53.3 | 1 | 37 |
| Dyna-Gro 9053 | 71.8 | 50.8 | 1 | 35 |
| Syngenta SY9978 | 71.8 | 52.5 | 1 | 33 |
| Excel 242 | 71.7 | 54.8 | 2 | 35 |
| Dixie 454 | 71.4 | 55.8 | 1 | 35 |
| Progeny PGX10-2 | 71.2 | 55.2 | 1 | 34 |
| AgriMaxx 412 | 70.9 | 54.5 | 1 | 35 |

## PORTAGEVILLE, MO (PEMISCOT COUNTY) - SOUTHEAST REGION

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Progeny 185 | 70.4 | 53.8 | 1 | 35 |
| MO 080104 | 70.1 | 56.9 | 1 | 36 |
| Progeny 166 | 69.8 | 54.4 | 1 | 37 |
| Merl | 69.5 | 54.9 | 1 | 34 |
| Progeny 117 | 69.2 | 54.7 | 2 | 37 |
| Milton | 69.0 | 54.8 | 1 | 38 |
| Progeny 125 | 68.7 | 54.6 | 1 | 33 |
| Dyna-Gro 9012 | 68.1 | 53.2 | 1 | 35 |
| Progeny PGX10-7 | 67.8 | 50.7 | 1 | 33 |
| Excel 180 | 67.6 | 56.2 | 1 | 37 |
| Truman | 67.6 | 56.1 | 1 | 40 |
| Excel 166 | 67.2 | 53.9 | 1 | 32 |
| Syngenta Oakes | 67.2 | 55.1 | 1 | 33 |
| Direct DW Exp102 | 66.6 | 53.8 | 1 | 37 |
| Excel 168 | 64.1 | 56.7 | 1 | 36 |
| Terral TV8558 | 61.9 | 53.4 | 1 | 36 |
| Excel 170 | 60.3 | 54.8 | 1 | 33 |
| AgriMaxx 490 | 58.1 | 56.4 | 1 | 36 |
| Dixie Brown | 55.5 | 51.0 | 1 | 35 |
| Delta Grow 8300 | 51.5 | 49.9 | 1 | 34 |
| **GRAND MEAN** | **72.9** | **54.2** | **1** | **34** |
| **LSD (10%)** | **6.5** | **1.1** | | |
| **CV (%)** | **7.0** | **1.6** | | |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test*
*~Lodging rated on a 1 to 5 scale where 1= no lodging and 5=plants are completely flat*

# SOUTHEAST REGION SUMMARY

CHAFFEE
Planted: 10-13
Harvested: 06-14
Growing Season Rain: 49.9”

CHARLESTON
Planted: 10-12
Harvested: 06-14
Growing Season Rain: 46.1”

PORTAGEVILLE
Planted: 10-12
Harvested: 06-15
Growing Season Rain: 42.6”

| Brand/Variety | Chaffee Bu/Ac | Charleston Bu/Ac | Portageville Bu/Ac | Mean Bu/Ac |
|---|---|---|---|---|
| USG 3438 | 75.0 | 94.6** | 83.7* | 84.4** |
| USG 3251 | 77.7* | 87.3 | 86.1** | 83.7* |
| AgriMaxx 413 | 73.5 | 90.3* | 85.8* | 83.2* |
| Dyna-Gro 9171 | 78.4* | 86.7 | 81.8* | 82.3* |
| Delta Grow 7500 | 74.8 | 89.4* | 81.9* | 82.0* |
| Armor Ricochet | 77.3* | 89.3* | 79.1 | 81.9* |
| Terral TVX8626 | 78.3* | 85.3 | 81.5* | 81.7* |
| Progeny PGX10-5 | 80.0** | 85.5 | 78.8 | 81.4* |
| Terral TVX8848 | 76.6* | 84.7 | 81.2* | 80.8 |
| Terral TVX8535 | 74.4 | 88.8* | 78.8 | 80.6 |
| USG 3555 | 71.5 | 85.2 | 84.2* | 80.3 |
| Dixie McAlister | 72.9 | 87.0 | 79.1 | 79.6 |
| USG 3345 | 71.2 | 85.6 | 78.1 | 78.3 |
| Pioneer 25R78 | 67.2 | 87.8 | 79.6* | 78.2 |
| Pioneer XW09H | 73.4 | 86.0 | 73.6 | 77.6 |
| Terral TV8861 | 71.3 | 77.5 | 82.1* | 76.9 |
| Delta Grow 7900 | 68.4 | 85.2 | 74.4 | 76.0 |
| Pioneer 25R32 | 67.8 | 81.2 | 78.1 | 75.7 |
| Syngenta W1104 | 71.1 | 79.6 | 76.5 | 75.7 |
| Direct DW Sienna | 70.4 | 77.5 | 78.7 | 75.5 |
| Dyna-Gro 9053 | 71.1 | 83.7 | 71.8 | 75.5 |
| USG 3770 | 68.0 | 80.6 | 77.5 | 75.3 |
| Dixie Kelsey | 69.4 | 75.9 | 80.5* | 75.2 |
| Syngenta Branson | 70.4 | 80.1 | 75.2 | 75.2 |
| Armor ARX 0179 | 66.3 | 83.6 | 75.0 | 74.9 |
| Syngenta Beretta | 71.6 | 79.6 | 73.5 | 74.9 |
| Pioneer 26R22 | 64.0 | 82.9 | 77.7 | 74.8 |
| Progeny PGX10-7 | 74.4 | 82.2 | 67.8 | 74.8 |
| USG 3201 | 66.2 | 80.2 | 78.0 | 74.8 |
| Armor ARX 0186 | 68.3 | 76.8 | 77.6 | 74.2 |
| Terral TV8589 | 66.2 | 77.8 | 77.6 | 73.8 |
| Direct DW Quest | 63.4 | 84.5 | 71.9 | 73.2 |
| Terral TVX8525 | 66.6 | 76.3 | 76.9 | 73.2 |
| Pioneer 26R20 | 66.1 | 79.8 | 73.3 | 73.0 |
| AgriMaxx 412 | 65.7 | 82.3 | 70.9 | 72.9 |

## SOUTHEAST REGION SUMMARY

| Brand/Variety | Yield Bu/Ac | Test Weight Lb/Bu | Lodging ~ | Plant Height inches |
|---|---|---|---|---|
| Armor Renegade | 68.1 | 74.3 | 74.8 | 72.4 |
| Bess | 66.2 | 75.3 | 75.8 | 72.4 |
| Dixie 454 | 62.7 | 83.3 | 71.4 | 72.4 |
| Syngenta SY9978 | 67.3 | 77.9 | 71.8 | 72.3 |
| AgriMaxx 415 | 65.6 | 72.4 | 78.8 | 72.2 |
| Pioneer 25R56 | 64.8 | 74.6 | 76.8 | 72.0 |
| Pioneer 26R15 | 61.9 | 77.2 | 76.7 | 71.9 |
| Progeny 185 | 64.2 | 78.4 | 70.4 | 71.0 |
| Syngenta Oakes | 64.9 | 80.3 | 67.2 | 70.8 |
| Milton | 62.7 | 79.5 | 69.0 | 70.4 |
| Progeny 166 | 62.7 | 76.7 | 69.8 | 69.7 |
| Terral TVX8460 | 60.4 | 75.9 | 72.9 | 69.7 |
| Excel 166 | 64.1 | 76.9 | 67.2 | 69.4 |
| Excel 180 | 62.2 | 78.2 | 67.6 | 69.3 |
| Progeny 117 | 61.8 | 77.1 | 69.2 | 69.3 |
| Progeny PGX10-2 | 62.7 | 74.1 | 71.2 | 69.3 |
| Dyna-Gro 9012 | 63.2 | 75.5 | 68.1 | 68.9 |
| Excel 242 | 59.5 | 75.6 | 71.7 | 68.9 |
| Merl | 63.4 | 74.0 | 69.5 | 68.9 |
| Progeny 125 | 58.5 | 79.1 | 68.7 | 68.7 |
| Excel 168 | 61.9 | 77.2 | 64.1 | 67.7 |
| Jamestown | 58.7 | 69.9 | 73.5 | 67.3 |
| Direct DW Exp102 | 56.1 | 75.6 | 66.6 | 66.1 |
| MO 080104 | 57.2 | 70.7 | 70.1 | 66.0 |
| Truman | 63.1 | 67.1 | 67.6 | 65.9 |
| Excel 170 | 60.1 | 75.6 | 60.3 | 65.3 |
| Terral TV8558 | 57.5 | 67.7 | 61.9 | 62.3 |
| Dixie Brown | 57.3 | 71.7 | 55.5 | 61.5 |
| AgriMaxx 490 | 60.4 | 63.9 | 58.1 | 60.8 |
| Delta Grow 8300 | 52.4 | 56.6 | 51.5 | 53.5 |
| **GRAND MEAN** | **66.1** | **78.9** | **72.9** | **72.6** |
| **LSD (10%)** | **4.4** | **6.7** | **6.5** | **3.4** |
| **CV (%)** | **5.2** | **6.6** | **7.0** | **6.1** |

***Highest yielding variety in test*
**Yield not significantly less than the highest yielding variety in the test.*

# CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2011 MU VARIETY TESTING PROGRAM

All information in this table was provided by the seed companies. The MU Variety Testing Program does not guarantee accuracy. Please contact seed dealers for the latest information.

| Variety | Maturity[1] | Head Type[2] | Winter Hardy[3] | Hessian Fly[4] | FHB[5] | Stem Rust[6] | Leaf Rust[7] | BYDV[8] | Seed Treatment[9] |
|---|---|---|---|---|---|---|---|---|---|
| AgriMaxx 412 | M | U | E | I | 2 | 3 | 3 | 5 | 1,2 |
| AgriMaxx 413 | M | A | E | I | 3 | n/i | 2 | 2 | 1,2 |
| AgriMaxx 415 | M | A | E | I | 2 | n/i | 3 | 2 | 1,2 |
| AgriMaxx 490 | E | A | E | I | 3 | 4 | 4 | 3 | 1,2 |
| Armor ARX 0179 | M | U | n/i | n/i | 3 | n/i | 3 | 5 | 1,3 |
| Armor ARX 0186 | M | A | n/i | n/i | 3 | n/i | 3 | 3 | 1,3 |
| Armor Renegade | M | A | E | I | 2 | 8 | 8 | 7 | 1,3 |
| Armor Ricochet | M | A | E | n/i | 3 | n/i | 8 | n/i | 1,3 |
| Bess | E | U | G | S | 2 | 9 | 9 | 6 | 1,3 |
| Delta Grow 7500 | M | U | E | S | 3 | 2 | 2 | 2 | 3 |
| Delta Grow 7900 | M | U | E | S | 2 | 3 | 3 | 4 | 3 |
| Delta Grow 8300 | M | A | G | I | 5 | 3 | 2 | 5 | 3 |
| Dixie 454 | M | U | E | I | 3 | 3 | 2 | 2 | 1,2 |
| Dixie Brown | M | U | E | n/i | n/i | n/i | n/i | n/i | 1,2 |
| Dixie Kelsey | M | A | E | n/i | n/i | n/i | 2 | 2 | 1,2 |
| Dixie McAlister | M | A | E | n/i | n/i | n/i | 3 | 2 | 1,2 |
| DW Exp102 | E | U | E | I | 3 | 3 | 3 | 4 | 5,10,11 |
| DW Quest | E | U | E | I | 4 | 3 | 3 | 3 | 5,10,11 |
| DW Sienna | E | U | E | I | 4 | 3 | 3 | 3 | 5,10,11 |
| Dyna-Gro 9012 | M | A | E | n/i | 2 | 5 | 3 | 2 | 7 |
| Dyna-Gro 9031 | E | U | G | n/i | 2 | 5 | 4 | 6 | 7 |
| Dyna-Gro 9053 | M | A | G | n/i | 4 | 4 | 3 | 2 | 7 |
| Dyna-Gro 9171 | M | A | G | n/i | 3 | 3 | 2 | 2 | 3 |
| Excel 341 | M | U | E | I | 2 | n/i | 2 | 2 | 1,3 |
| Excel 163 | E | A | G | I | 4 | 4 | 2 | 1 | 1,3 |
| Excel 166 | E | U | G | I | 2 | 9 | 3 | 3 | 1,3 |
| Excel 168 | E | U | G | I | 1 | 3 | 3 | 3 | 1,3 |
| Excel 170 | E | U | G | I | 2 | 7 | 2 | 4 | 2,5 |
| Excel 173 | E | U | G | I | 1 | n/i | 2 | 2 | 1,3 |
| Excel 180 | E | U | E | I | 1 | 4 | 3 | 3 | 3,5 |
| Excel 234 | M | U | E | I | 1 | 2 | 2 | 2 | 1,3 |
| Excel 242 | M | U | G | I | 2 | n/i | 4 | 4 | 3,5 |
| Excel 442 | M | A | E | I | 4 | 6 | 2 | 1 | 1,3 |
| Jamestown | E | A | G | R | 1 | 1 | 3 | 1 | 7,8,9 |
| Lewis 835 | E | U | E | I | 2 | 3 | 3 | 4 | 4 |

## CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2011 MU VARIETY TESTING PROGRAM

| Variety | Maturity[1] | Head Type[2] | Winter Hardy[3] | Hessian Fly[4] | FHB[5] | Stem Rust[6] | Leaf Rust[7] | BYDV[8] | Seed Treatment[9] |
|---|---|---|---|---|---|---|---|---|---|
| Lewis 842 | M | U | E | I | 3 | 3 | 2 | 4 | 4 |
| Merl | E | U | G | I | 3 | 1 | 3 | 1 | 7,8,9 |
| MFA 2525 | M | A | E | S | 5 | 3 | 2 | 4 | 1,2 |
| MFA 2631 | E | U | G | S | 5 | 3 | 6 | 4 | 1,2 |
| Milton | E | A | G | S | 6 | 6 | 6 | 3 | 1,3 |
| MO 080104 | E | U | G | S | 3 | 2 | 3 | 4 | 1,3 |
| Pioneer 25R32 | L | A | G | R | 3 | n/i | 5 | n/i | 3,4 |
| Pioneer 25R39 | L | U | G | S | 5 | 2 | 4 | 3 | 3,4 |
| Pioneer 25R56 | E | A | G | R | 6 | n/i | 4 | n/i | 3,4 |
| Pioneer 25R32 | L | A | G | R | 3 | n/i | 5 | n/i | 2 |
| Pioneer 25R56 | E | A | G | R | 6 | n/i | 4 | n/i | 2 |
| Pioneer 25R78 | E | A | G | I | 7 | n/i | 3 | n/i | 2 |
| Pioneer 26R15 | M | A | G | R | 5 | n/i | 4 | n/i | 2 |
| Pioneer 26R20 | M | A | G | I | 8 | n/i | 4 | n/i | 2 |
| Pioneer 26R22 | M | A | G | S | 7 | n/i | 6 | n/i | 2 |
| Pioneer XW09H | L | A | G | R | 6 | n/i | 5 | n/i | 2 |
| Progeny 117 | E | U | E | n/i | 1 | 1 | 2 | 5 | 4,7 |
| Progeny 125 | M | U | E | n/i | 1 | 7 | 7 | 2 | 4,7 |
| Progeny 166 | M | U | E | R | 1 | 1 | 1 | 2 | 4,7 |
| Progeny 185 | M | U | E | n/i | 1 | 5 | 1 | 2 | 4,7 |
| Progeny PGX10-2 | M | U | E | n/i | 1 | 1 | 5 | 2 | 4,7 |
| Progeny PGX10-5 | M | A | E | n/i | 2 | 1 | 1 | 1 | 3,4 |
| Progeny PGX10-7 | M | A | E | n/i | 2 | 2 | 2 | 1 | 3,4 |
| Syngenta Beretta | M | U | G | S | 7 | 1 | 3 | 4 | 1,3 |
| Syngenta Branson | M | U | G | I | 3 | 1 | 6 | 4 | 1,3 |
| Syngenta Oakes | M | U | G | S | 6 | 1 | 3 | 3 | 1,3 |
| Syngenta SY9978 | M | A | G | R | 7 | 1 | 4 | 3 | 1,3 |
| Syngenta W1104 | M | U | G | S | 3 | 5 | 5 | 3 | 1,3 |
| Terral TV8558 | M | U | G | S | n/i | n/i | 4 | n/i | 1,3 |
| Terral TV8589 | L | U | G | S | n/i | 4 | 3 | n/i | 1,3 |
| Terral TV8861 | M | A | G | n/i | n/i | n/i | 4 | n/i | 1,3 |
| Terral TVX8460 | M | U | G | n/i | n/i | n/i | 2 | n/i | 1,3 |
| Terral TVX8525 | M | A | G | n/i | n/i | n/i | 3 | n/i | 1,3 |
| Terral TVX8535 | M | A | G | n/i | n/i | n/i | 3 | n/i | 1,3 |
| Terral TVX8626 | M | A | G | n/i | n/i | n/i | 3 | n/i | 1,3 |

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2011 MU VARIETY TESTING PROGRAM**

| Variety | Maturity[1] | Head Type[2] | Winter Hardy[3] | Hessian Fly[4] | FHB[5] | Stem Rust[6] | Leaf Rust[7] | BYDV[8] | Seed Treatment[9] |
|---|---|---|---|---|---|---|---|---|---|
| Terral TVX8848 | M | A | G | R | n/i | n/i | 3 | n/i | 1,3 |
| Truman | L | U | G | S | 2 | 9 | 9 | 6 | 1,3 |
| USG 3201 | M | A | E | S | n/i | n/i | 4 | n/i | 1,7 |
| USG 3251 | M | A | E | S | 4 | n/i | 4 | n/i | 1,7 |
| USG 3345 | E | U | E | S | 2 | n/i | 1 | 2 | 1,7 |
| USG 3438 | M | A | E | S | 4 | n/i | 3 | n/i | 1,7 |
| USG 3555 | E | A | G | R | n/i | 2 | n/i | 3 | 1,7 |
| USG 3770 | E | U | F | S | 1 | n/i | n/i | 2 | 1,7 |
| Willcross 750 | M | U | E | S | 2 | 3 | 2 | 6 | 1,3 |
| Willcross 752 | M | A | E | S | 2 | n/i | 3 | 2 | 1,3 |

*[1] Maturity: (E) Early, (M) Medium, (L) Late for Missouri environment.*

*[2] Head Type: (A) Awned or (U) Unawned.*

*[3] Winter Hardiness: (E) Excellent, (G) Good, (F) Fair. "n/i" means the company did not provide the information.*

*[4] Hessian Fly: (S) Susceptible, (R) Resistant, (I) Intermediate. "n/i" means the company did not provide the information.*

*[5] Fusarium Head Blight: Resistance 1-9 (1=excellent, 9=poor). "n/i" means the company did not provide the information.*

*[6] Stem Rust: Resistance 1-9 (1=excellent, 9=poor). "n/i" means the company did not provide the information.*

*[7] Leaf Rust: Resistance 1-9 (1=excellent, 9=poor). "n/i" means the company did not provide the information.*

*[8] Barley Yellow Dwarf Virus: Resistance 1-9 (1=excellent, 9=poor). "n/i" means the company did not provide the information.*

*[9] Seed Treatments listed in table were applied by seed companies to seed entered into MU Variety Testing Program. Purchased seed may contain other seed treatments. See seed company representatives and seed labels for more information. 1 = Cruiser; 2 = Dividend; 3 = Dividend Extreme; 4 = Goucho; 5 = Macho; 6 = Nitro Shield; 7 = Raxil XT; 8 = Storcide; 9 = Thiram; 10 = Rancona; 11 = Metalaxyl*

# SOURCES FOR VARIETIES ENTERED IN THE 2011 MISSOURI WHEAT TESTS

| Brand/Variety | Company and Address | City, State, Zip | Phone/Office | Web |
|---|---|---|---|---|
| Excel | AgriHorizon, Inc | Arlington, NE 68002 | 402-350-1699 | |
| AgriMaxx | AgriMaxx Wheat Co. | Mascoutah, IL. 62258 | 618-566-7022 | agrimaxxwheat.com |
| Armor | Armor Seed | Fisher, AR 72429 | 870-579-2286 | armorseed.com |
| Excel | Excel Brand Seed | Bushnell, IL 61422 | 309-772-2070 | |
| Dixie | Cache River Valley Seed | Cache, AR 72421 | 870-477-5427 | crvseed.com |
| Excel | Crop Production Services | Dublin, OH 43017 | 614-761-4110 | |
| Delta Grow | Delta Grow Seed Co. | England, AR 72046 | 800-530-7933 | |
| DW | Direct Enterprises | Westfield, IN 46073 | 888-895-7333 | go2dei.com |
| Willcross | Green Valley Seed | Kahoka, MO 63445 | 660-727-3341 | gvseed.com |
| Excel | Gremaud Ag | Perryville, MO 63775-7328 | 573-547-7214 | |
| Lewis | Lewis Hybrids | Ursa, IL 62376 | 217-964-2131 | lewishybrids.com |
| MFA | MFA Inc. | Columbia, MO 65201 | 573-876-5363 | mfa-inc.com |
| Public | Missouri Crop Improvement Assn. | Columbia, MO 65201 | 573-449-0586 | moseed.org |
| Pioneer | Pioneer Hi-Bred International, Inc. | Huntsville, AL. 35802 | 800-331-2475 | pioneer.com |
| Pioneer | Pioneer Hi-Bred International, Inc. | Johnston, IA 50131 | 515-334-6999 | pioneer.com |
| Progeny | Progeny Ag Products | Wynne, AR 72396 | 870-238-2079 | progenyag.com |
| Excel | Service & Supply Coop | New Florence, MO 63363 | 573-835-2485 | |
| Excel | Stephens Seed Service | Dexter, MO 63841 | 573-624-5999 | |
| Syngenta | Syngenta Seeds | Bay, AR 72411 | 870-483-7691 | agripro.com |
| Terral | Terral Seed, Inc. | Lake Providence, LA 71254 | 318-231-8811 | terralseed.com |
| USG | Unisouth Genetics, Inc. | Dixon, TN 37055 | 800-505-3133 | usgseed.com |
| Public | Virginia Tech, EVAREC | Warsaw, VA 22572 | 804-333-3485 | |
| Excel | Weber Seeds, Inc | Marshall, MO 65340 | 800-850-7333 | |