

# CONTENTS

|   |    |
|---|----|
| <b>PREFACE</b>  | 3  |
| <b>PROCEDURES</b>   | 4  |
| <b>NORTH REGION</b>                                       | 7  |
| SOFT RED WINTER WHEAT                                     |    |
| <i>Trenton</i>  | 8  |
| <i>Novelty</i>  | 10 |
| <i>Columbia</i>   | 12 |
| <i>Summary of one-year results</i>                        | 14 |
| <b>SOUTHWEST REGION</b>                                   | 17 |
| SOFT RED WINTER WHEAT                                     |    |
| <i>Hughesville</i>  | 18 |
| <i>Adrain</i>   | 20 |
| <i>Lamar</i>  | 22 |
| <i>Summary of one-year results</i>                        | 24 |
| <b>SOUTHEAST REGION</b>                                   | 27 |
| SOFT RED WINTER WHEAT                                     |    |
| <i>Chaffee</i>  | 28 |
| <i>Charleston</i>   | 31 |
| <i>Portageville</i>                                       | 34 |
| <i>Summary of one-year results</i>                        | 37 |
| <b>CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES</b> | 40 |
| <b>SOURCES FOR MISSOURI WHEAT VARIETIES</b>               | 44 |



Our motto is “We test the best” and that is exactly what we do. Each year, the best seed companies and organizations select several of their best varieties for evaluation by the MU Variety Testing Program. We use the latest scientific principles and procedures to provide farmers and others with an interest in wheat variety performance with accurate and unbiased information.

We respect the seed companies and organizations that put their varieties to the test. We are honored that they entrust us with their valuable products. It takes courage to allow their varieties to be compared with all of the others. Not every company participates in our program for various reasons. Those companies that do participate deserve your consideration when purchasing seed for the next growing season. Please view the table at the back of our book for names and addresses of participating seed companies. Thank them for their courage and tell them you saw their variety in our program.

The MU Variety Testing Program has provided Missouri farmers with unbiased variety comparisons for more than 75 years, first with corn, then soybean and wheat. Current staff members have a total of over 100 years of experience with testing crop yield performance. Our plots are placed where you farm. They have the soils and weather conditions your fields have. The MU Variety Testing Program is on-farm research in the truest sense of the word. Six of our wheat locations are on farmer fields in your communities. The other three locations are MU farms. These CAFNR owned and operated research centers sample the north and southeast regions of Missouri and combined with the private farm locations provide you with the diversity of environments you need to select the best varieties for your farm. View the map in our procedures section to see the placement of our locations and the cooperators that are so important to the quality of our information.

Evaluating yield and making decisions based on that evaluation are difficult because yield is highly affected by environment – even the small differences that exist across a field. We use replication, plot size, and plot placement to minimize the “noise”. Please read the procedures section of this book to better understand what we do and the tools we provide you to make variety selection decisions. Our data tables are arranged to help you quickly see how varieties compare. We strongly suggest that you use information from more than one location. Our tables of “region means” provide you comparisons across multiple locations. If varieties are entered by companies in more than one year we provide you with 2-year means increasing the number of environments for your observation. Finally, although yield is extremely important please see our variety characteristics table located near the back of the book to view additional information that you might find helpful during variety selection.

Thank you for your interest and support. Please support the companies that participate in our program. If you have any suggestion on how we can improve our program please contact me directly ([wieboldw@missouri.edu](mailto:wieboldw@missouri.edu); 573-882-2307). The MU Variety Testing Program exists to serve your needs. We want to provide you with the best information possible.



William “Bill” Wiebold

# 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 2014 are as follows:

### North

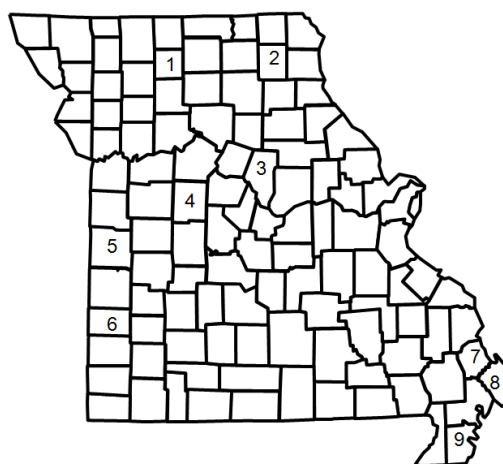
1. Trenton (Grundy County); Peter Brewer farm
2. Novelty (Knox County); Greenley Memorial Research Center
3. Columbia (Boone County); Bradford Research Center

### 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 2014 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 six rows wide and 25 feet long. Row spacing was 7.5 inches. Planting rate was 1,500,000 seeds/acre. All six 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 fungicides were applied as needed 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 and test weights were measured and an electronic moisture tester was used to determine the moisture content of the grain. Yields were corrected to a moisture content of 13% and expressed as bushels/acre.

## 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 su-

perior 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 bottom 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 identified in the table listing the variety characteristics.

### **Accessibility of Data**

Results of the 2014 crop performance tests are available in print format and online at “[varietytesting.missouri.edu](http://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.

### **Authors**

William J. Wiebold is a Professor of Plant Sciences and State Extension Specialist; Howard Mason is a Research Associate in Plant Sciences; Delbert Knerr and William Schelp are Senior Research Specialists; David Schwab and Jeremy Angotti are Research Specialists in Plant Sciences.

### **Acknowledgments**

The MU Variety Testing Program recognizes and expresses appreciation to the following individuals for their part in making the 2014 wheat performance tests possible: Peter Brewer, Trenton; Dana Harder, 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; Trent Hagard, superintendent, Delta Research Center, Portageville.



## NORTH REGION CROP MANAGEMENT SUMMARY

The Wheat Test was conducted at three locations in the North Region (Trenton, Novelty, Columbia). All locations were planted in early October and winter survival was good. A foliar fungicide was applied at the Trenton location.

### CHARACTERISTICS OF WHEAT TEST LOCATIONS – NORTH REGION

| Location | Soil Type               | pH  | Soil Test   |     |     | Precipitation <sup>a</sup> |        |     |     | Total <sup>b</sup> |
|----------|-------------------------|-----|-------------|-----|-----|----------------------------|--------|-----|-----|--------------------|
|          |                         |     | OM          | P   | K   | Fall                       | Winter | Apr | May |                    |
|          |                         | %   | pounds/acre |     |     |                            |        |     |     |                    |
| Trenton  | Lagonda silty clay loam | 6.0 | 3.0         | 42  | 259 | 7.4                        | 3.6    | 3.4 | 3.6 | 18.0               |
| Novelty  | Putnam silt loam        | 4.7 | 2.6         | 104 | 354 | 5.3                        | 3.1    | 3.5 | 1.6 | 13.5               |
| Columbia | Mexico silt loam        | 5.0 | 2.5         | 59  | 209 | 7.1                        | 3.4    | 6.3 | 2.0 | 18.8               |

<sup>a</sup> Fall is October through December; Winter is January through March

<sup>b</sup> Region average growing season (October through May) total = 16.8 inches, 5.3 inches below normal

### CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – NORTH REGION

| Location | Dates    |         | Fertilizer          |                               |                  | Tillage | Herbicide         |         | Fungicides/Herbicides |
|----------|----------|---------|---------------------|-------------------------------|------------------|---------|-------------------|---------|-----------------------|
|          | Planting | Harvest | N                   | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |         | Pre               | Post    |                       |
|          |          |         | ----pounds/acre---- |                               |                  |         |                   |         |                       |
| Trenton  | Oct 8    | July 9  | 125                 | 90                            | 180              | Notill  | Roundup Power Max | Harmony | Headline/ none        |
| Novelty  | Oct 11   | July 7  | 120                 | 110                           | 120              | Notill  | none              | Harmony | none/ none            |
| Columbia | Oct 9    | June 27 | 95                  | 0                             | 0                | Notill  | Roundup Power Max | Harmony | none/ none            |

## TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| AgriMaxx 444          | 74.7**         |                      | 59.7                 | 1            | 30                     |
| AgriMaxx Exp1465      | 73.9*          |                      | 61.4                 | 1            | 26                     |
| ProHarvest 288        | 73.7*          | 77.9*                | 59.3                 | 1            | 35                     |
| MFA 2525              | 73.3*          | 78.3*                | 60.7                 | 1            | 34                     |
| Lewis 829             | 72.9*          | 75.5*                | 59.0                 | 1            | 33                     |
| Syngenta SY 483       | 72.7*          | 74.2                 | 59.1                 | 1            | 28                     |
| Green Valley GV653    | 71.3*          | 77.7*                | 60.4                 | 1            | 32                     |
| Dyna-Gro 9223         | 71.0*          | 76.8*                | 60.4                 | 1            | 33                     |
| Lewis 851             | 70.2           | 74.5                 | 60.7                 | 1            | 29                     |
| MFA 2248              | 70.1*          |                      | 58.5                 | 1            | 29                     |
| MFA 2250              | 69.8*          |                      | 60.9                 | 1            | 32                     |
| AgriMaxx 415          | 69.8*          | 76.0*                | 61.3                 | 1            | 30                     |
| Green Valley GV662    | 69.7*          | 76.7*                | 62.1                 | 1            | 28                     |
| MOWEP 6537            | 69.5*          |                      | 62.2                 | 1            | 36                     |
| ProHarvest 342        | 69.5*          |                      | 60.5                 | 1            | 30                     |
| Merschman Julie 8     | 69.0*          |                      | 58.5                 | 1            | 30                     |
| AgriMaxx Exp1335      | 68.7*          | 80.2**               | 59.6                 | 1            | 26                     |
| Dyna-Gro 9441         | 68.3*          |                      | 60.6                 | 1            | 34                     |
| Bess                  | 68.1*          | 72.9                 | 61.5                 | 1            | 31                     |
| MOWEP 3548            | 67.5*          |                      | 58.7                 | 1            | 28                     |
| Merschman Genie 12    | 67.4*          |                      | 63.0                 | 2            | 30                     |
| XL Coop 442           | 66.6           | 74.7                 | 60.8                 | 1            | 33                     |
| Pioneer 25R40         | 66.3           | 74.9                 | 60.1                 | 1            | 27                     |
| Limagrain L-Brand 241 | 66.0           |                      | 61.2                 | 1            | 31                     |
| AgriMaxx 413          | 65.0           | 73.3                 | 59.0                 | 1            | 26                     |
| Pioneer 25R46         | 64.8           |                      | 60.9                 | 1            | 27                     |
| Merschman Barbie 10   | 64.8           |                      | 58.8                 | 1            | 30                     |
| Syngenta SY 007       | 64.5           |                      | 59.9                 | 1            | 28                     |
| AgriMaxx 438          | 64.0           | 75.4*                | 60.1                 | 1            | 33                     |
| MFA 2166              | 63.8           | 77.3*                | 61.6                 | 1            | 33                     |
| Limagrain L-Brand 321 | 63.6           |                      | 58.7                 | 2            | 32                     |
| AgriMaxx 447          | 63.4           |                      | 59.4                 | 1            | 30                     |
| Syngenta SY 474       | 63.3           |                      | 61.0                 | 1            | 33                     |
| VA10W-21              | 63.3           |                      | 61.4                 | 1            | 30                     |
| Lewis 839             | 62.6           | 73.3                 | 59.3                 | 1            | 30                     |
| XL Coop 434           | 62.4           |                      | 60.4                 | 1            | 29                     |
| ProHarvest 303        | 61.2           |                      | 60.6                 | 1            | 29                     |
| Equity Sienna         | 61.1           |                      | 60.0                 | 1            | 30                     |
| MOWEP 4571            | 60.5           |                      | 61.2                 | 1            | 27                     |
| Limagrain L-Brand 203 | 60.4           |                      | 60.2                 | 1            | 30                     |

**TRENTON, MO (GRUNDY COUNTY) - NORTH REGION**

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Limagrain L-Brand 182 | 60.3           | 74.5                 | 61.3                 | 1            | 29                     |
| Equity Exp 13W34      | 60.2           |                      | 58.9                 | 1            | 29                     |
| Pioneer 25R77         | 60.1           |                      | 60.7                 | 1            | 26                     |
| XL Coop 194           | 59.6           |                      | 61.4                 | 1            | 32                     |
| XL Coop 164           | 59.2           | 75.5*                | 61.1                 | 2            | 30                     |
| Equity Guardian       | 58.6           |                      | 59.8                 | 1            | 34                     |
| Limagrain LCS NEWS    | 58.5           |                      | 60.1                 | 1            | 28                     |
| Syngenta W1104        | 57.2           |                      | 60.2                 | 1            | 27                     |
| XL Coop 393           | 56.0           | 66.2                 | 62.0                 | 1            | 28                     |
| Milton                | 54.6           | 66.1                 | 61.3                 | 1            | 28                     |
| VA10W-123             | 53.7           |                      | 60.2                 | 1            | 33                     |
| VA08MAS-369           | 53.5           |                      | 62.0                 | 1            | 26                     |
| <b>GRAND MEAN</b>     | <b>65.1</b>    | <b>74.9</b>          | <b>60.4</b>          | <b>1</b>     | <b>30</b>              |
| <b>LSD (10%)</b>      | <b>7.9</b>     | <b>5.1</b>           | <b>1.0</b>           |              |                        |
| <b>CV (%)</b>         | <b>8.9</b>     | <b>7.6</b>           | <b>1.3</b>           |              |                        |

*\*\*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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Merschman Barbie 10   | 78.3**         |                      | 60.0                 | 1            | 31                     |
| AgriMaxx Exp1465      | 74.3*          |                      | 62.9                 | 1            | 32                     |
| AgriMaxx 444          | 73.5           |                      | 61.0                 | 2            | 30                     |
| Pioneer 25R46         | 72.2           |                      | 62.5                 | 1            | 27                     |
| Pioneer 25R40         | 71.9           | 72.9**               | 62.8                 | 1            | 32                     |
| XL Coop 442           | 71.8           | 65.7                 | 62.9                 | 1            | 36                     |
| Syngenta SY 007       | 71.0           |                      | 61.6                 | 1            | 28                     |
| MFA 2525              | 70.4           | 62.9                 | 62.5                 | 1            | 37                     |
| AgriMaxx Exp1335      | 69.4           | 65.8                 | 61.1                 | 1            | 33                     |
| MFA 2250              | 69.0           |                      | 62.2                 | 1            | 29                     |
| Limagrain LCS NEWS    | 68.5           | 65.8                 | 61.6                 | 1            | 33                     |
| MFA 2248              | 68.1           |                      | 59.1                 | 1            | 31                     |
| Syngenta SY 483       | 67.9           | 60.1                 | 60.6                 | 1            | 34                     |
| AgriMaxx 415          | 67.6           | 69.2                 | 63.7                 | 1            | 30                     |
| Dyna-Gro 9223         | 66.7           | 66.1                 | 61.9                 | 1            | 35                     |
| XL Coop 434           | 66.6           |                      | 61.2                 | 1            | 33                     |
| Syngenta SY 474       | 66.2           |                      | 62.0                 | 1            | 34                     |
| Green Valley GV662    | 65.7           | 67.4                 | 63.5                 | 1            | 31                     |
| Equity Guardian       | 65.6           |                      | 61.7                 | 1            | 34                     |
| ProHarvest 342        | 65.4           |                      | 61.6                 | 1            | 33                     |
| Milton                | 65.4           | 61.6                 | 62.9                 | 1            | 33                     |
| AgriMaxx 447          | 64.9           |                      | 59.4                 | 1            | 32                     |
| Lewis 851             | 64.9           | 62.3                 | 61.1                 | 1            | 32                     |
| Equity Sienna         | 64.7           |                      | 60.7                 | 1            | 34                     |
| AgriMaxx 413          | 64.7           | 66.7                 | 59.4                 | 2            | 30                     |
| Pioneer 25R77         | 64.6           | 68.2                 | 61.6                 | 1            | 31                     |
| Lewis 829             | 64.5           | 65.2                 | 60.3                 | 1            | 36                     |
| ProHarvest 288        | 64.5           | 64.4                 | 60.2                 | 1            | 36                     |
| MOWEP 6537            | 64.1           |                      | 64.3                 | 1            | 34                     |
| MFA 2166              | 64.1           | 60.6                 | 63.7                 | 1            | 33                     |
| Lewis 839             | 63.7           | 60.3                 | 59.7                 | 1            | 33                     |
| VA10W-21              | 63.6           |                      | 61.3                 | 1            | 34                     |
| Bess                  | 63.6           | 63.3                 | 62.8                 | 2            | 35                     |
| AgriMaxx 438          | 63.4           | 63.7                 | 60.3                 | 1            | 36                     |
| Green Valley GV653    | 63.2           | 61.7                 | 60.4                 | 1            | 33                     |
| Syngenta W1104        | 61.6           |                      | 62.1                 | 2            | 32                     |
| Equity Exp 13W34      | 61.1           |                      | 58.8                 | 1            | 32                     |
| Limagrain L-Brand 321 | 60.7           |                      | 59.8                 | 2            | 35                     |
| Limagrain L-Brand 241 | 59.7           |                      | 63.1                 | 1            | 33                     |
| Merschman Genie 12    | 59.5           |                      | 65.0                 | 2            | 33                     |

**NOVELTY, MO (KNOX COUNTY) - NORTH REGION**

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Limagrain L-Brand 203 | 58.7           | 59.6                 | 62.8                 | 2            | 32                     |
| XL Coop 393           | 58.6           |                      | 62.9                 | 2            | 31                     |
| ProHarvest 303        | 58.4           |                      | 62.6                 | 2            | 33                     |
| XL Coop 164           | 57.9           |                      | 62.6                 | 2            | 34                     |
| XL Coop 194           | 57.2           |                      | 62.8                 | 1            | 32                     |
| VA10W-123             | 56.7           | 59.6                 | 61.6                 | 1            | 34                     |
| Limagrain L-Brand 182 | 56.5           |                      | 63.0                 | 1            | 33                     |
| VA08MAS-369           | 56.3           |                      | 62.1                 | 1            | 31                     |
| Dyna-Gro 9441         | 56.0           |                      | 63.1                 | 1            | 34                     |
| MOWEP 4571            | 56.0           |                      | 62.6                 | 2            | 33                     |
| MOWEP 3548            | 53.1           | 59.6                 | 58.5                 | 2            | 34                     |
| Merschman Julie 8     | 52.7           |                      | 59.3                 | 2            | 32                     |
| <b>GRAND MEAN</b>     | <b>64.3</b>    | <b>64.7</b>          | <b>61.6</b>          | <b>1</b>     | <b>33</b>              |
| <b>LSD (10%)</b>      | <b>4.3</b>     | <b>3.1</b>           | <b>1.0</b>           |              |                        |
| <b>CV (%)</b>         | <b>4.9</b>     | <b>5.0</b>           | <b>1.2</b>           |              |                        |

\*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

| Brand/Variety         | Yield<br>Bu/ Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|-----------------|----------------------|----------------------|--------------|------------------------|
| MOWEP 3548            | 70.6**          |                      | 60.2                 | 1            | 34                     |
| XL Coop 442           | 69.2*           | 64.1*                | 57.5                 | 1            | 38                     |
| Green Valley GV653    | 68.9*           | 63.8*                | 52.6                 | 1            | 35                     |
| AgriMaxx 415          | 68.6*           | 67.4**               | 58.1                 | 1            | 32                     |
| AgriMaxx 438          | 67.7*           | 65.5*                | 52.8                 | 1            | 36                     |
| Dyna-Gro 9441         | 67.5*           |                      | 61.2                 | 1            | 34                     |
| Lewis 829             | 66.0*           | 60.2                 | 55.8                 | 1            | 37                     |
| AgriMaxx 444          | 65.5*           |                      | 52.3                 | 1            | 31                     |
| MOWEP 4571            | 65.0*           |                      | 60.3                 | 1            | 36                     |
| ProHarvest 288        | 64.9*           | 67.0*                | 53.4                 | 1            | 36                     |
| Merschman Julie 8     | 64.6*           |                      | 58.0                 | 2            | 34                     |
| MFA 2248              | 64.5*           |                      | 50.1                 | 1            | 33                     |
| Limagrain L-Brand 182 | 64.0            |                      | 61.0                 | 1            | 35                     |
| MOWEP 6537            | 63.9            |                      | 60.3                 | 1            | 35                     |
| MFA 2166              | 63.2            | 61.5                 | 58.9                 | 2            | 35                     |
| Merschman Barbie 10   | 62.9            |                      | 50.9                 | 1            | 29                     |
| Limagrain LCS NEWS    | 62.9            | 60.5                 | 56.3                 | 1            | 32                     |
| Syngenta SY 474       | 62.8            |                      | 58.9                 | 1            | 35                     |
| Pioneer 25R46         | 62.7            |                      | 52.9                 | 1            | 32                     |
| MFA 2525              | 62.2            | 61.8                 | 57.6                 | 1            | 37                     |
| VA10W-123             | 62.0            |                      | 60.3                 | 1            | 33                     |
| AgriMaxx 413          | 61.7            | 62.3                 | 51.6                 | 1            | 32                     |
| Dyna-Gro 9223         | 61.7            | 60.2                 | 50.5                 | 1            | 34                     |
| VA10W-21              | 61.6            |                      | 55.6                 | 1            | 32                     |
| Bess                  | 61.5            | 61.1                 | 56.4                 | 1            | 33                     |
| XL Coop 194           | 61.4            |                      | 60.2                 | 1            | 35                     |
| Limagrain L-Brand 203 | 60.7            |                      | 59.6                 | 1            | 35                     |
| XL Coop 164           | 60.3            |                      | 60.8                 | 2            | 33                     |
| Limagrain L-Brand 241 | 60.1            |                      | 58.0                 | 1            | 32                     |
| Green Valley GV662    | 60.1            | 60.2                 | 57.3                 | 1            | 28                     |
| Limagrain L-Brand 321 | 59.4            |                      | 52.6                 | 1            | 32                     |
| MFA 2250              | 59.0            |                      | 55.1                 | 1            | 31                     |
| ProHarvest 342        | 58.8            |                      | 52.9                 | 1            | 34                     |
| Pioneer 25R77         | 58.4            | 62.1                 | 56.0                 | 1            | 32                     |
| Pioneer 25R40         | 58.3            | 62.8                 | 53.2                 | 1            | 30                     |
| Syngenta SY 007       | 58.2            |                      | 53.9                 | 1            | 30                     |
| AgriMaxx Exp1465      | 58.0            |                      | 51.9                 | 1            | 33                     |
| ProHarvest 303        | 58.0            |                      | 57.5                 | 1            | 35                     |
| XL Coop 434           | 56.4            |                      | 51.8                 | 1            | 33                     |
| Merschman Genie 12    | 55.9            |                      | 61.2                 | 1            | 30                     |

**COLUMBIA, MO (BOONE COUNTY) - NORTH REGION**

| Brand/Variety     | Yield<br>Bu/ Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-------------------|-----------------|----------------------|----------------------|--------------|------------------------|
| Lewis 839         | 55.8            | 60.3                 | 51.1                 | 1            | 33                     |
| AgriMaxx Exp1335  | 55.3            | 56.8                 | 50.0                 | 1            | 31                     |
| Syngenta W1104    | 54.6            |                      | 53.3                 | 1            | 33                     |
| Milton            | 54.6            | 56.1                 | 54.6                 | 1            | 34                     |
| Syngenta SY 483   | 53.2            | 48.4                 | 52.3                 | 1            | 31                     |
| Equity Sienna     | 52.3            |                      | 52.6                 | 1            | 36                     |
| Lewis 851         | 52.0            | 56.9                 | 52.2                 | 1            | 36                     |
| AgriMaxx 447      | 51.9            |                      | 50.0                 | 1            | 36                     |
| Equity Exp 13W34  | 50.6            |                      | 49.9                 | 1            | 37                     |
| Equity Guardian   | 49.9            |                      | 51.0                 | 1            | 34                     |
| XL Coop 393       | 48.5            | 55.7                 | 56.1                 | 1            | 31                     |
| VA08MAS-369       | 44.4            |                      | 50.4                 | 1            | 35                     |
| <b>GRAND MEAN</b> | <b>60.3</b>     | <b>60.8</b>          | <b>55.0</b>          | <b>1</b>     | <b>33</b>              |
| <b>LSD (10%)</b>  | <b>6.1</b>      | <b>3.8</b>           | <b>3.3</b>           |              |                        |
| <b>CV (%)</b>     | <b>7.4</b>      | <b>6.6</b>           | <b>4.5</b>           |              |                        |

*\*\*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

| Brand/Variety         | Trenton<br>Bu/Ac | Novelty<br>Bu/Ac | Columbia<br>Bu/Ac | Mean<br>Bu/Ac |
|-----------------------|------------------|------------------|-------------------|---------------|
| AgriMaxx 444          | 74.7**           | 73.5             | 65.5*             | 71.2**        |
| XL Coop 442           | 66.6             | 71.8             | 69.2*             | 69.2*         |
| AgriMaxx Exp1465      | 73.9*            | 74.3*            | 58.0              | 68.7*         |
| AgriMaxx 415          | 69.8*            | 67.6             | 68.6*             | 68.6*         |
| Merschman Barbie 10   | 64.8             | 78.3**           | 62.9              | 68.6*         |
| MFA 2525              | 73.3*            | 70.4             | 62.2              | 68.6*         |
| Green Valley GV653    | 71.3*            | 63.2             | 68.9*             | 67.8*         |
| Lewis 829             | 72.9*            | 64.5             | 66.0*             | 67.8*         |
| ProHarvest 288        | 73.7*            | 64.5             | 64.9*             | 67.7          |
| MFA 2248              | 70.1*            | 68.1             | 64.5*             | 67.5          |
| Pioneer 25R46         | 64.8             | 72.2             | 62.7              | 66.5          |
| Dyna-Gro 9223         | 71.0*            | 66.7             | 61.7              | 66.4          |
| MFA 2250              | 69.8*            | 69.0             | 59.0              | 65.9          |
| MOWEP 6537            | 69.5*            | 64.1             | 63.9              | 65.8          |
| Pioneer 25R40         | 66.3             | 71.9             | 58.3              | 65.5          |
| Green Valley GV662    | 69.7*            | 65.7             | 60.1              | 65.1          |
| AgriMaxx 438          | 64.0             | 63.4             | 67.7*             | 65.0          |
| Syngenta SY 483       | 72.7*            | 67.9             | 53.2              | 64.6          |
| ProHarvest 342        | 69.5*            | 65.4             | 58.8              | 64.5          |
| Syngenta SY 007       | 64.5             | 71.0             | 58.2              | 64.5          |
| AgriMaxx Exp1335      | 68.7*            | 69.4             | 55.3              | 64.4          |
| Bess                  | 68.1*            | 63.6             | 61.5              | 64.4          |
| Syngenta SY 474       | 63.3             | 66.2             | 62.8              | 64.1          |
| Dyna-Gro 9441         | 68.3*            | 56.0             | 67.5*             | 63.9          |
| AgriMaxx 413          | 65.0             | 64.7             | 61.7              | 63.8          |
| MFA 2166              | 63.8             | 64.1             | 63.2              | 63.7          |
| MOWEP 3548            | 67.5*            | 53.1             | 70.6**            | 63.7          |
| Limagrain LCS NEWS    | 58.5             | 68.5             | 62.9              | 63.3          |
| VA10W-21              | 63.3             | 63.6             | 61.6              | 62.8          |
| Lewis 851             | 70.2             | 64.9             | 52.0              | 62.3          |
| Merschman Julie 8     | 69.0*            | 52.7             | 64.6*             | 62.1          |
| Limagrain L-Brand 241 | 66.0             | 59.7             | 60.1              | 61.9          |
| XL Coop 434           | 62.4             | 66.6             | 56.4              | 61.8          |
| Limagrain L-Brand 321 | 63.6             | 60.7             | 59.4              | 61.2          |
| Pioneer 25R77         | 60.1             | 64.6             | 58.4              | 61.0          |
| Merschman Genie 12    | 67.4*            | 59.5             | 55.9              | 60.9          |
| Lewis 839             | 62.6             | 63.7             | 55.8              | 60.7          |
| MOWEP 4571            | 60.5             | 56.0             | 65.0*             | 60.5          |
| Limagrain L-Brand 182 | 60.3             | 56.5             | 64.0              | 60.2          |
| AgriMaxx 447          | 63.4             | 64.9             | 51.9              | 60.0          |

## NORTH REGION SUMMARY

| Brand/Variety         | Trenton<br>Bu/Ac | Novelty<br>Bu/Ac | Columbia<br>Bu/Ac | Mean<br>Bu/Ac |
|-----------------------|------------------|------------------|-------------------|---------------|
| Limagrain L-Brand 203 | 60.4             | 58.7             | 60.7              | 59.9          |
| XL Coop 194           | 59.6             | 57.2             | 61.4              | 59.4          |
| Equity Sienna         | 61.1             | 64.7             | 52.3              | 59.3          |
| ProHarvest 303        | 61.2             | 58.4             | 58.0              | 59.2          |
| XL Coop 164           | 59.2             | 57.9             | 60.3              | 59.1          |
| Milton                | 54.6             | 65.4             | 54.6              | 58.2          |
| Equity Guardian       | 58.6             | 65.6             | 49.9              | 58.0          |
| Syngenta W1104        | 57.2             | 61.6             | 54.6              | 57.8          |
| VA10W-123             | 53.7             | 56.7             | 62.0              | 57.4          |
| Equity Exp 13W34      | 60.2             | 61.1             | 50.6              | 57.3          |
| XL Coop 393           | 56.0             | 58.6             | 48.5              | 54.3          |
| VA08MAS-369           | 53.5             | 56.3             | 44.4              | 51.4          |
| <b>GRAND MEAN</b>     | <b>65.1</b>      | <b>64.3</b>      | <b>60.3</b>       | <b>63.2</b>   |
| <b>LSD (10%)</b>      | <b>7.9</b>       | <b>4.3</b>       | <b>6.1</b>        | <b>3.4</b>    |
| <b>CV (%)</b>         | <b>8.9</b>       | <b>4.9</b>       | <b>7.4</b>        | <b>7.0</b>    |

**\*\*Highest yielding variety in test**

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



## SOUTHWEST REGION CROP MANAGEMENT SUMMARY

The Wheat Test was conducted at three locations in the Southwest Region (Hughesville, Adrian, Lamar). Planting was timely at all locations. A fungicide was applied at Hughesville and Adrian. An insecticide was applied to control aphids at Adrian.

### CHARACTERISTICS OF WHEAT TEST LOCATIONS – SOUTHWEST REGION

| Location    | Soil Type         | pH  | Soil Test   |     |     | Precipitation <sup>a</sup> |        |     |     | Total <sup>b</sup> |
|-------------|-------------------|-----|-------------|-----|-----|----------------------------|--------|-----|-----|--------------------|
|             |                   |     | OM          | P   | K   | Fall                       | Winter | Apr | May |                    |
|             |                   | %   | pounds/acre |     |     |                            |        |     |     |                    |
| Hughesville | Arispe silt loam  | 6.6 | 2.5         | 148 | 341 | 7.6                        | 3.2    | 7.1 | 2.4 | 20.3               |
| Adrian      | Kenoma silt loam  | 6.4 | 2.9         | 113 | 213 | 8.3                        | 2.5    | 4.8 | 3.2 | 18.8               |
| Lamar       | Parsons silt loam | 7.0 | 2.4         | 72  | 233 | 8.4                        | 2.4    | 1.7 | 3.1 | 15.6               |

<sup>a</sup> Fall is October through December; Winter is January through March

<sup>b</sup> Region average growing season (October through May) total = 18.2 inches, 5.2 inches below normal

### CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – SOUTHWEST REGION

| Location    | Dates    |         | Fertilizer          |                               |                  | Tillage | Herbicide |         | Fungicides/Herbicides |
|-------------|----------|---------|---------------------|-------------------------------|------------------|---------|-----------|---------|-----------------------|
|             | Planting | Harvest | N                   | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |         | Pre       | Post    |                       |
|             |          |         | ----pounds/acre---- |                               |                  |         |           |         |                       |
| Hughesville | Oct 28   | July 10 | 110                 | 75                            | 45               | Conv.   | none      | Harmony | Stratego/none         |
| Adrian      | Oct 10   | July 2  | 110                 | 0                             | 0                | Conv.   | none      | Harmony | Headline/ Proaxis     |
| Lamar       | Oct 25   | June 23 | 90                  | 70                            | 90               | Conv.   | none      | Harmony | none/none             |

## HUGHESVILLE, MO (PETTIS COUNTY) - SOUTHWEST REGION

| Brand/Variety        | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| AgriMaxx Exp1465     | 83.6**         |                      | 60.2                 | 1            | 29                     |
| Pioneer 25R46        | 83.0*          |                      | 59.9                 | 1            | 30                     |
| MFA 2250             | 82.8*          |                      | 60.9                 | 1            | 30                     |
| Merschman Barbie 10  | 82.0*          |                      | 57.1                 | 1            | 29                     |
| Terral TV8848        | 81.6*          |                      | 59.3                 | 1            | 31                     |
| MFA 2248             | 80.5*          |                      | 57.1                 | 1            | 31                     |
| AgriMaxx 444         | 80.1*          |                      | 58.5                 | 1            | 27                     |
| AgriMaxx 413         | 79.7*          | 73.2*                | 58.1                 | 1            | 29                     |
| Syngenta SY Harrison | 79.1*          | 73.5*                | 57.4                 | 1            | 28                     |
| Terral TV8535        | 79.0*          |                      | 58.0                 | 1            | 27                     |
| AgriMaxx 438         | 77.8           | 70.6*                | 59.3                 | 1            | 33                     |
| Terral TV8861        | 77.4           |                      | 59.6                 | 1            | 27                     |
| AgriMaxx 415         | 77.3           | 72.5*                | 61.4                 | 1            | 31                     |
| Syngenta SY 483      | 76.9           | 65.9                 | 58.2                 | 1            | 32                     |
| AgriMaxx Exp1335     | 76.8           | 71.0*                | 58.1                 | 2            | 29                     |
| Dyna-Gro 9223        | 75.8           | 69.8                 | 58.9                 | 1            | 33                     |
| Merschman Julie 8    | 75.7           |                      | 58.9                 | 1            | 32                     |
| MFA 2166             | 75.6           | 67.7                 | 61.8                 | 2            | 33                     |
| Pioneer 25R40        | 75.5           | 73.9**               | 59.3                 | 1            | 27                     |
| MFA 2525             | 75.4           | 67.9                 | 59.5                 | 1            | 35                     |
| VA10W-21             | 75.4           |                      | 61.2                 | 1            | 32                     |
| Equity Sienna        | 75.2           |                      | 59.3                 | 1            | 34                     |
| ProHarvest 303       | 75.2           |                      | 60.8                 | 1            | 32                     |
| Lewis 829            | 75.0           | 71.8*                | 59.0                 | 1            | 33                     |
| Milton               | 74.9           | 69.5                 | 59.4                 | 1            | 32                     |
| ProHarvest 342       | 74.8           |                      | 59.9                 | 2            | 29                     |
| Pioneer 25R77        | 74.3           | 71.5*                | 58.5                 | 1            | 28                     |
| AgriMaxx 447         | 73.4           |                      | 58.7                 | 1            | 33                     |
| ProHarvest 288       | 73.3           | 71.2*                | 58.7                 | 1            | 35                     |
| Dyna-Gro 9441        | 72.3           |                      | 61.4                 | 1            | 33                     |
| MOWEP 4571           | 72.2           |                      | 61.6                 | 1            | 33                     |
| Terral TV8525        | 72.1           |                      | 60.5                 | 1            | 29                     |
| MOWEP 3548           | 72.0           |                      | 59.3                 | 1            | 31                     |
| MOWEP 6537           | 71.9           |                      | 62.5                 | 1            | 37                     |
| Syngenta SY 474      | 71.8           |                      | 60.0                 | 1            | 34                     |
| Merschman Genie 12   | 71.7           |                      | 61.2                 | 3            | 33                     |
| Equity Guardian      | 71.3           |                      | 60.0                 | 1            | 32                     |
| Lewis 839            | 69.9           | 66.9                 | 58.3                 | 1            | 34                     |
| Dyna-Gro 9373        | 68.0           |                      | 58.9                 | 1            | 33                     |
| Truman               | 67.9           | 61.2                 | 60.6                 | 1            | 37                     |

# **HUGHESVILLE, MO (PETTIS COUNTY) - SOUTHWEST REGION**

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Bess                  | 66.1           | 62.8                 | 60.3                 | 1            | 32                     |
| VA08MAS-369           | 64.2           |                      | 62.4                 | 1            | 27                     |
| VA10W-123             | 61.4           |                      | 59.7                 | 2            | 32                     |
| Medoc Valley MVI-16   | 54.6           | 56.9                 | 56.3                 | 1            | 26                     |
| Medoc Valley MVI-31-1 | 39.8           |                      | 52.9                 | 1            | 24                     |
| <b>GRAND MEAN</b>     | <b>73.8</b>    | <b>68.9</b>          | <b>59.3</b>          | <b>1</b>     | <b>31</b>              |
| <b>LSD (10%)</b>      | <b>5.2</b>     | <b>3.3</b>           | <b>0.8</b>           |              |                        |
| <b>CV (%)</b>         | <b>5.2</b>     | <b>4.9</b>           | <b>1.0</b>           |              |                        |

*\*\*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

| Brand/Variety        | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Syngenta SY 483      | 81.1**         | 63.2                 | 56.8                 | 1            | 32                     |
| AgriMaxx 444         | 80.7*          |                      | 55.9                 | 1            | 30                     |
| Bess                 | 78.8*          | 68.0                 | 59.9                 | 1            | 32                     |
| ProHarvest 288       | 78.4*          | 77.1**               | 56.3                 | 1            | 34                     |
| Terral TV8525        | 78.3*          |                      | 58.8                 | 1            | 27                     |
| Lewis 839            | 78.1*          | 72.1                 | 57.6                 | 1            | 31                     |
| Terral TV8848        | 77.9*          |                      | 56.6                 | 1            | 27                     |
| Merschman Barbie 10  | 77.8*          |                      | 54.8                 | 1            | 28                     |
| Syngenta SY Harrison | 77.3*          | 68.5                 | 54.9                 | 1            | 28                     |
| VA10W-21             | 77.1*          |                      | 58.4                 | 1            | 30                     |
| Terral TV8861        | 77.0*          |                      | 58.0                 | 1            | 29                     |
| MFA 2248             | 76.4*          |                      | 53.8                 | 1            | 26                     |
| AgriMaxx Exp1335     | 76.3*          | 64.8                 | 56.5                 | 1            | 29                     |
| AgriMaxx 447         | 75.6*          |                      | 57.3                 | 1            | 34                     |
| Lewis 829            | 75.4*          | 69.0                 | 56.0                 | 1            | 35                     |
| Truman               | 75.3*          | 67.5                 | 59.5                 | 1            | 34                     |
| AgriMaxx 438         | 75.0*          | 64.5                 | 55.9                 | 1            | 32                     |
| AgriMaxx 413         | 74.9*          | 65.0                 | 54.7                 | 1            | 29                     |
| Equity Sienna        | 74.8*          |                      | 55.9                 | 1            | 32                     |
| Pioneer 25R46        | 74.6*          |                      | 56.0                 | 1            | 27                     |
| MFA 2250             | 74.1           |                      | 59.0                 | 1            | 31                     |
| Terral TV8535        | 74.0           |                      | 55.5                 | 1            | 30                     |
| Dyna-Gro 9373        | 73.8           |                      | 57.2                 | 1            | 30                     |
| AgriMaxx 415         | 73.5           | 71.9                 | 59.2                 | 1            | 28                     |
| MOWEP 6537           | 73.2           |                      | 61.7                 | 1            | 34                     |
| ProHarvest 342       | 73.1           |                      | 57.5                 | 1            | 29                     |
| MOWEP 3548           | 72.8           |                      | 57.6                 | 1            | 31                     |
| VA10W-123            | 72.7           |                      | 57.1                 | 1            | 34                     |
| Equity Guardian      | 72.5           |                      | 58.0                 | 1            | 30                     |
| Dyna-Gro 9223        | 71.9           | 64.3                 | 55.0                 | 1            | 30                     |
| MFA 2525             | 71.8           | 62.2                 | 56.8                 | 2            | 32                     |
| Syngenta SY 474      | 70.8           |                      | 58.1                 | 1            | 32                     |
| VA08MAS-369          | 70.6           |                      | 60.5                 | 1            | 28                     |
| Dyna-Gro 9441        | 70.2           |                      | 59.6                 | 1            | 34                     |
| Pioneer 25R40        | 69.8           | 74.3*                | 55.5                 | 1            | 28                     |
| ProHarvest 303       | 69.1           |                      | 58.7                 | 1            | 31                     |
| MOWEP 4571           | 69.0           |                      | 60.4                 | 1            | 32                     |
| Merschman Genie 12   | 67.5           |                      | 59.4                 | 2            | 33                     |
| Merschman Julie 8    | 67.1           |                      | 56.5                 | 1            | 32                     |
| Milton               | 67.1           | 60.2                 | 56.1                 | 1            | 31                     |

**ADRIAN, MO (BATES COUNTY) - SOUTHWEST REGION**

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| MFA 2166              | 67.0           | 59.1                 | 57.5                 | 1            | 33                     |
| Pioneer 25R77         | 66.8           | 67.6                 | 56.8                 | 1            | 29                     |
| AgriMaxx Exp1465      | 65.6           |                      | 56.7                 | 1            | 31                     |
| Medoc Valley MVI-16   | 57.7           | 65.0                 | 57.5                 | 1            | 26                     |
| Medoc Valley MVI-31-1 | 55.5           |                      | 57.2                 | 1            | 23                     |
| <b>GRAND MEAN</b>     | <b>72.9</b>    | <b>66.8</b>          | <b>57.2</b>          | <b>1</b>     | <b>30</b>              |
| <b>LSD (10%)</b>      | <b>6.6</b>     | <b>5.1</b>           | <b>1.2</b>           |              |                        |
| <b>CV (%)</b>         | <b>6.7</b>     | <b>7.8</b>           | <b>1.6</b>           |              |                        |

*\*\*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

| Brand/Variety        | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| AgriMaxx 444         | 74.7**         |                      | 58.1                 | 1            | 31                     |
| AgriMaxx 438         | 72.9*          | 58.1*                | 56.7                 | 1            | 31                     |
| MFA 2248             | 72.0*          |                      | 58.2                 | 1            | 26                     |
| Merschman Barbie 10  | 70.9*          |                      | 57.9                 | 1            | 27                     |
| AgriMaxx 447         | 70.5*          |                      | 56.7                 | 1            | 27                     |
| Pioneer 25R40        | 70.3*          | 61.3**               | 60.3                 | 1            | 27                     |
| Pioneer 25R46        | 69.7*          |                      | 60.4                 | 1            | 26                     |
| AgriMaxx 413         | 69.2           | 60.2*                | 58.3                 | 1            | 24                     |
| Dyna-Gro 9223        | 69.2           | 57.1                 | 55.4                 | 1            | 30                     |
| Pioneer 25R77        | 68.8           | 60.4*                | 59.5                 | 1            | 26                     |
| Merschman Julie 8    | 68.6           |                      | 57.3                 | 1            | 28                     |
| Terral TV8525        | 68.4           |                      | 59.7                 | 1            | 26                     |
| Terral TV8861        | 68.4           |                      | 59.7                 | 1            | 28                     |
| Merschman Genie 12   | 67.5           |                      | 62.1                 | 1            | 26                     |
| Terral TV8848        | 67.4           |                      | 58.7                 | 1            | 29                     |
| AgriMaxx Exp1465     | 67.1           |                      | 59.8                 | 1            | 27                     |
| AgriMaxx 415         | 67.1           | 59.7*                | 60.5                 | 1            | 27                     |
| MFA 2525             | 66.7           | 58.8*                | 58.5                 | 1            | 29                     |
| Lewis 829            | 66.3           | 58.3*                | 57.1                 | 1            | 32                     |
| MFA 2166             | 66.1           | 56.1                 | 58.6                 | 1            | 27                     |
| Syngenta SY Harrison | 65.7           | 57.9*                | 58.1                 | 1            | 27                     |
| Milton               | 65.5           | 57.3                 | 60.3                 | 1            | 30                     |
| Truman               | 65.0           | 55.2                 | 57.9                 | 1            | 30                     |
| Dyna-Gro 9373        | 64.9           |                      | 56.2                 | 1            | 30                     |
| ProHarvest 288       | 64.8           | 56.6                 | 58.1                 | 1            | 30                     |
| Equity Guardian      | 64.6           |                      | 57.4                 | 1            | 28                     |
| MFA 2250             | 64.6           |                      | 60.1                 | 1            | 26                     |
| Dyna-Gro 9441        | 64.4           |                      | 60.2                 | 1            | 28                     |
| Bess                 | 64.4           | 52.9                 | 59.4                 | 1            | 27                     |
| Equity Sienna        | 64.3           |                      | 57.0                 | 1            | 28                     |
| Lewis 839            | 63.9           | 58.9*                | 56.7                 | 1            | 28                     |
| ProHarvest 342       | 63.7           |                      | 57.1                 | 1            | 28                     |
| Terral TV8535        | 63.7           |                      | 57.9                 | 1            | 26                     |
| AgriMaxx Exp1335     | 63.1           | 56.6                 | 58.8                 | 1            | 27                     |
| Syngenta SY 483      | 63.0           | 54.1                 | 58.8                 | 1            | 29                     |
| ProHarvest 303       | 62.6           |                      | 59.6                 | 1            | 26                     |
| MOWEP 4571           | 61.2           |                      | 60.0                 | 1            | 27                     |
| MOWEP 6537           | 61.0           |                      | 60.6                 | 1            | 29                     |
| VA10W-123            | 61.0           |                      | 59.1                 | 1            | 26                     |
| MOWEP 3548           | 59.8           |                      | 58.2                 | 1            | 28                     |

**LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION**

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Syngenta SY 474       | 59.8           |                      | 59.2                 | 1            | 30                     |
| VA10W-21              | 59.4           |                      | 60.0                 | 1            | 28                     |
| VA08MAS-369           | 58.3           |                      | 59.7                 | 1            | 28                     |
| Medoc Valley MVI-16   | 58.2           | 54.2                 | 56.8                 | 1            | 23                     |
| Medoc Valley MVI-31-1 | 46.5           |                      | 53.7                 | 1            | 22                     |
| <b>GRAND MEAN</b>     | <b>65.3</b>    | <b>57.5</b>          | <b>58.6</b>          | <b>1</b>     | <b>28</b>              |
| <b>LSD (10%)</b>      | <b>5.3</b>     | <b>3.7</b>           | <b>1.1</b>           |              |                        |
| <b>CV (%)</b>         | <b>6.0</b>     | <b>6.4</b>           | <b>1.3</b>           |              |                        |

*\*\*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

| Brand/Variety        | Hughesville<br>Bu/Ac | Adrian<br>Bu/Ac | Lamar<br>Bu/Ac | Mean<br>Bu/Ac |
|----------------------|----------------------|-----------------|----------------|---------------|
| AgriMaxx 444         | 80.1*                | 80.7*           | 74.7**         | 78.5**        |
| Merschman Barbie 10  | 82.0*                | 77.8*           | 70.9*          | 76.9*         |
| MFA 2248             | 80.5*                | 76.4*           | 72.0*          | 76.3*         |
| Pioneer 25R46        | 83.0*                | 74.6*           | 69.7*          | 75.7*         |
| Terral TV8848        | 81.6*                | 77.9*           | 67.4           | 75.6*         |
| AgriMaxx 438         | 77.8                 | 75.0*           | 72.9*          | 75.2          |
| AgriMaxx 413         | 79.7*                | 74.9*           | 69.2           | 74.6          |
| Terral TV8861        | 77.4                 | 77.0*           | 68.4           | 74.2          |
| Syngenta SY Harrison | 79.1*                | 77.3*           | 65.7           | 74.0          |
| MFA 2250             | 82.8*                | 74.1            | 64.6           | 73.8          |
| Syngenta SY 483      | 76.9                 | 81.1**          | 63.0           | 73.6          |
| AgriMaxx 447         | 73.4                 | 75.6*           | 70.5*          | 73.1          |
| Terral TV8525        | 72.1                 | 78.3*           | 68.4           | 72.9          |
| AgriMaxx 415         | 77.3                 | 73.5            | 67.1           | 72.6          |
| Dyna-Gro 9223        | 75.8                 | 71.9            | 69.2           | 72.3          |
| Lewis 829            | 75.0                 | 75.4*           | 66.3           | 72.2          |
| Terral TV8535        | 79.0*                | 74.0            | 63.7           | 72.2          |
| AgriMaxx Exp1465     | 83.6**               | 65.6            | 67.1           | 72.1          |
| ProHarvest 288       | 73.3                 | 78.4*           | 64.8           | 72.1          |
| AgriMaxx Exp1335     | 76.8                 | 76.3*           | 63.1           | 72.0          |
| Pioneer 25R40        | 75.5                 | 69.8            | 70.3*          | 71.8          |
| Equity Sienna        | 75.2                 | 74.8*           | 64.3           | 71.4          |
| MFA 2525             | 75.4                 | 71.8            | 66.7           | 71.3          |
| Lewis 839            | 69.9                 | 78.1*           | 63.9           | 70.6          |
| VA10W-21             | 75.4                 | 77.1*           | 59.4           | 70.6          |
| ProHarvest 342       | 74.8                 | 73.1            | 63.7           | 70.5          |
| Merschman Julie 8    | 75.7                 | 67.1            | 68.6           | 70.4          |
| Pioneer 25R77        | 74.3                 | 66.8            | 68.8           | 69.9          |
| Bess                 | 66.1                 | 78.8*           | 64.4           | 69.7          |
| MFA 2166             | 75.6                 | 67.0            | 66.1           | 69.5          |
| Equity Guardian      | 71.3                 | 72.5            | 64.6           | 69.4          |
| Truman               | 67.9                 | 75.3*           | 65.0           | 69.4          |
| Milton               | 74.9                 | 67.1            | 65.5           | 69.1          |
| Dyna-Gro 9373        | 68.0                 | 73.8            | 64.9           | 68.9          |
| Dyna-Gro 9441        | 72.3                 | 70.2            | 64.4           | 68.9          |
| Merschman Genie 12   | 71.7                 | 67.5            | 67.5           | 68.9          |
| ProHarvest 303       | 75.2                 | 69.1            | 62.6           | 68.9          |
| MOWEP 6537           | 71.9                 | 73.2            | 61.0           | 68.7          |
| MOWEP 3548           | 72.0                 | 72.8            | 59.8           | 68.2          |
| MOWEP 4571           | 72.2                 | 69.0            | 61.2           | 67.4          |

## SOUTHWEST REGION SUMMARY

| Brand/Variety         | Hughesville<br>Bu/Ac | Adrian<br>Bu/Ac | Lamar<br>Bu/Ac | Mean<br>Bu/Ac |
|-----------------------|----------------------|-----------------|----------------|---------------|
| Syngenta SY 474       | 71.8                 | 70.8            | 59.8           | 67.4          |
| VA10W-123             | 61.4                 | 72.7            | 61.0           | 65.0          |
| VA08MAS-369           | 64.2                 | 70.6            | 58.3           | 64.3          |
| Medoc Valley MVI-16   | 54.6                 | 57.7            | 58.2           | 56.8          |
| Medoc Valley MVI-31-1 | 39.8                 | 55.5            | 46.5           | 47.2          |
| <b>GRAND MEAN</b>     | <b>73.8</b>          | <b>72.9</b>     | <b>65.3</b>    | <b>70.7</b>   |
| <b>LSD (10%)</b>      | <b>5.2</b>           | <b>6.6</b>      | <b>5.3</b>     | <b>3.1</b>    |
| <b>CV (%)</b>         | <b>5.2</b>           | <b>6.7</b>      | <b>6.0</b>     | <b>5.7</b>    |

*\*\*Highest yielding variety in test*

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



## SOUTHEAST REGION CROP MANAGEMENT SUMMARY

The Wheat Test was conducted at three locations in the Southeast Region (Chaffee, Charleston, Portageville). All three locations were planted the same day (October 14) and fall precipitation and growth were excellent. An insecticide was applied at Charleston to control aphids

### CHARACTERISTICS OF WHEAT TEST LOCATIONS – SOUTHEAST REGION

| Location     | Soil Type             | pH  | Soil Test   |     |     | Precipitation <sup>a</sup> |        |     |     | Total <sup>b</sup> |
|--------------|-----------------------|-----|-------------|-----|-----|----------------------------|--------|-----|-----|--------------------|
|              |                       |     | OM          | P   | K   | Fall                       | Winter | Apr | May |                    |
|              |                       | %   | pounds/acre |     |     |                            |        |     |     |                    |
| Chaffee      | Commerce silt loam    | 6.3 | 2.3         | 138 | 308 | 18.0                       | 6.9    | 6.6 | 5.6 | 37.1               |
| Charleston   | Dundee silt loam      | 5.8 | 1.4         | 34  | 234 | 18.2                       | 7.2    | 9.1 | 2.6 | 37.1               |
| Portageville | Tiptonville silt loam | 5.8 | 0.9         | 78  | 233 | 14.4                       | 11.3   | 8.3 | 3.6 | 37.6               |

<sup>a</sup> Fall is October through December; Winter is January through March

<sup>b</sup> Region average growing season (October through May) total = 37.3 inches, 3.8 inches above normal

### CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – SOUTHEAST REGION

| Location     | Dates    |         | Fertilizer |                               |                  | Tillage | Herbicide |                   | Fungicides/Herbicides |
|--------------|----------|---------|------------|-------------------------------|------------------|---------|-----------|-------------------|-----------------------|
|              | Planting | Harvest | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |         | Pre       | Post              |                       |
|              |          |         |            | ----pounds/acre----           |                  |         |           |                   |                       |
| Chaffee      | Oct 14   | June 19 | 100        | 0                             | 0                | Conv    | none      | none              | none/ none            |
| Charleston   | Oct 14   | June 19 | 120        | 46                            | 0                | Conv.   | none      | 2,4-D,<br>Harmony | Tilt/Karate           |
| Portageville | Oct 14   | June 20 | 100        | 0                             | 0                | Conv.   | none      | none              | none/ none            |

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

| Brand/Variety        | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| MFA 2250             | 75.2**         |                      | 55.8                 | 1            | 37                     |
| Pioneer 26R53        | 73.0*          | 71.8*                | 55.8                 | 1            | 32                     |
| AGS 2056             | 70.7*          | 71.0*                | 52.8                 | 1            | 32                     |
| AgriMaxx Exp1465     | 69.8*          |                      | 53.8                 | 1            | 33                     |
| Merschman Julie 8    | 69.2*          |                      | 57.2                 | 1            | 37                     |
| MFA 2248             | 69.1*          |                      | 56.0                 | 1            | 33                     |
| Truman               | 68.8*          |                      | 57.0                 | 1            | 38                     |
| Armor ARX1313        | 68.3*          |                      | 52.7                 | 1            | 38                     |
| Dixie Glory          | 67.9*          |                      | 52.8                 | 1            | 37                     |
| Armor Havoc          | 66.5*          |                      | 55.5                 | 1            | 36                     |
| Armor ARX1325        | 66.2           |                      | 53.7                 | 1            | 35                     |
| Delta Grow 7200      | 65.9           | 67.2                 | 55.0                 | 1            | 33                     |
| Armor ARX1329        | 65.9           |                      | 55.8                 | 1            | 35                     |
| Delta Grow 9700      | 65.6           | 65.4                 | 56.1                 | 1            | 36                     |
| USG 3438             | 65.6           | 68.9                 | 52.2                 | 1            | 33                     |
| USG 3251             | 64.8           | 72.2*                | 54.5                 | 1            | 38                     |
| MFA 2166             | 64.8           | 67.7                 | 57.6                 | 1            | 34                     |
| Syngenta SY Harrison | 64.3           | 69.8*                | 53.3                 | 1            | 34                     |
| Dixie McAlister      | 64.0           | 71.9*                | 52.6                 | 1            | 32                     |
| Progeny PGX 13-6     | 63.8           |                      | 54.3                 | 1            | 33                     |
| AgriMaxx 444         | 63.7           |                      | 54.5                 | 1            | 32                     |
| USG 3404             | 63.7           | 71.9*                | 55.0                 | 1            | 33                     |
| Pioneer 25R40        | 63.4           | 69.0                 | 53.9                 | 1            | 34                     |
| Dixie DEXE 13-3      | 62.9           | 74.5**               | 55.6                 | 1            | 36                     |
| MOWEP 3548           | 62.8           |                      | 56.9                 | 1            | 36                     |
| Terral TV8525        | 62.6           | 68.6                 | 56.7                 | 1            | 34                     |
| Delta Grow 720X      | 62.6           |                      | 54.7                 | 1            | 34                     |
| Armor ARX1327        | 62.3           |                      | 54.3                 | 1            | 33                     |
| MFA 2525             | 62.2           | 68.8                 | 54.7                 | 1            | 39                     |
| Merschman Genie 12   | 62.2           |                      | 60.0                 | 1            | 35                     |
| USG 3013             | 62.1           | 69.0                 | 55.8                 | 1            | 38                     |
| Lewis 829            | 61.9           |                      | 55.2                 | 1            | 38                     |
| Dixie Xtreme         | 61.9           | 67.7                 | 55.7                 | 1            | 35                     |
| Dyna-Gro 9053        | 61.8           | 69.5*                | 52.8                 | 1            | 36                     |
| Pioneer 26R41        | 61.8           | 67.4                 | 54.2                 | 1            | 31                     |
| AgriMaxx 447         | 61.8           |                      | 53.3                 | 1            | 36                     |
| Progeny PGX 13-4     | 61.5           |                      | 54.2                 | 1            | 36                     |
| USG 3993             | 61.3           | 62.7                 | 55.9                 | 1            | 39                     |
| Dyna-Gro WX13631     | 61.0           |                      | 55.5                 | 1            | 36                     |
| Dyna-Gro 9223        | 60.9           | 67.4                 | 55.4                 | 1            | 37                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| AgriMaxx 413          | 60.9           | 71.0*                | 52.5                 | 1            | 31                     |
| Pioneer 25R46         | 60.3           |                      | 58.6                 | 1            | 34                     |
| KY03C-1002-02         | 59.8           |                      | 57.4                 | 2            | 36                     |
| Progeny 357           | 59.8           | 63.4                 | 52.7                 | 1            | 34                     |
| Syngenta Oakes        | 59.5           | 64.7                 | 58.2                 | 1            | 34                     |
| Merschman Barbie 10   | 59.4           |                      | 52.3                 | 1            | 35                     |
| AgriMaxx 438          | 58.8           | 64.4                 | 55.4                 | 1            | 38                     |
| Equity Guardian       | 58.7           |                      | 55.8                 | 1            | 35                     |
| Pioneer 26R10         | 58.6           | 66.6                 | 53.1                 | 1            | 34                     |
| Dyna-Gro 9373         | 58.3           |                      | 53.3                 | 1            | 33                     |
| Progeny 117           | 58.2           | 61.1                 | 55.7                 | 1            | 36                     |
| Pembroke 2008         | 58.0           |                      | 55.9                 | 1            | 36                     |
| Pioneer 25R78         | 57.9           | 67.1                 | 54.9                 | 1            | 34                     |
| Progeny PGX 13-1      | 57.9           |                      | 53.5                 | 1            | 32                     |
| Pioneer 25R32         | 57.9           | 60.2                 | 57.6                 | 1            | 34                     |
| Dyna-Gro WX13622      | 57.9           |                      | 54.0                 | 1            | 31                     |
| Terral TV8848         | 57.6           | 62.4                 | 55.3                 | 1            | 33                     |
| Limagrain L-Brand 448 | 57.5           |                      | 54.9                 | 1            | 33                     |
| Terral TV8535         | 57.5           | 58.4                 | 52.2                 | 1            | 30                     |
| Delta Grow 7500       | 57.3           | 64.3                 | 52.3                 | 1            | 32                     |
| MOWEP 6537            | 56.9           |                      | 59.3                 | 1            | 35                     |
| AgriMaxx 415          | 56.8           | 67.1                 | 56.6                 | 1            | 33                     |
| Lewis 839             | 56.8           |                      | 53.4                 | 1            | 34                     |
| KY03C-1237-05         | 56.6           |                      | 56.5                 | 1            | 34                     |
| Armor Rampage         | 56.5           | 66.1                 | 56.4                 | 1            | 36                     |
| Equity Exp 13W34      | 56.4           |                      | 53.0                 | 1            | 39                     |
| MOWEP 4571            | 55.9           |                      | 57.3                 | 1            | 35                     |
| Progeny 870           | 55.7           | 59.8                 | 52.5                 | 1            | 31                     |
| Armor ARX1332         | 55.5           |                      | 54.9                 | 1            | 33                     |
| Bess                  | 55.4           | 58.7                 | 57.4                 | 1            | 36                     |
| AGS 2057              | 55.4           | 64.7                 | 55.0                 | 1            | 36                     |
| VA10W-123             | 55.4           |                      | 55.9                 | 1            | 36                     |
| VA10W-21              | 55.3           |                      | 57.7                 | 1            | 34                     |
| Armor Octane          | 55.2           |                      | 53.6                 | 1            | 37                     |
| Terral TV8861         | 55.1           | 61.8                 | 50.6                 | 1            | 33                     |
| Delta Grow 7100       | 55.1           |                      | 56.5                 | 1            | 33                     |
| Armor Vandal          | 55.1           |                      | 53.4                 | 1            | 35                     |
| USG 3833              | 54.5           | 61.8                 | 52.7                 | 1            | 37                     |
| Delta Grow 3200       | 54.0           |                      | 55.6                 | 1            | 30                     |
| AgriMaxx Exp1335      | 53.8           | 63.3                 | 55.7                 | 1            | 35                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Lewis 851             | 53.4           |                      | 55.0                 | 1            | 35                     |
| Equity Sienna         | 53.1           |                      | 54.1                 | 1            | 41                     |
| Syngenta SX102        | 52.9           |                      | 56.2                 | 1            | 37                     |
| Pioneer 26R20         | 52.6           | 55.4                 | 52.9                 | 1            | 35                     |
| KY03C-1237-32         | 51.7           |                      | 57.7                 | 1            | 34                     |
| Progeny 185           | 51.1           | 59.2                 | 55.0                 | 1            | 35                     |
| Dixie DXEX 14-2       | 50.3           |                      | 54.6                 | 1            | 35                     |
| Progeny PGX 13-2      | 50.2           |                      | 56.0                 | 1            | 30                     |
| Syngenta SX103        | 49.8           |                      | 56.7                 | 1            | 31                     |
| Limagrain L-Brand 400 | 48.4           |                      | 56.1                 | 1            | 38                     |
| Milton                | 48.3           | 60.0                 | 54.6                 | 1            | 35                     |
| AGS 2035              | 47.9           | 57.0                 | 51.4                 | 1            | 37                     |
| Limagrain L-Brand 343 | 46.8           |                      | 52.3                 | 1            | 32                     |
| VA08MAS-369           | 43.4           |                      | 53.2                 | 1            | 32                     |
| AGS 2038              | 37.7           | 49.1                 | 50.3                 | 1            | 38                     |
| <b>GRAND MEAN</b>     | <b>59.3</b>    | <b>65.2</b>          | <b>54.8</b>          | <b>1</b>     | <b>35</b>              |
| <b>LSD (10%)</b>      | <b>8.8</b>     | <b>5.1</b>           | <b>1.1</b>           |              |                        |
| <b>CV (%)</b>         | <b>11.0</b>    | <b>8.4</b>           | <b>1.5</b>           |              |                        |

*\*\*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

| Brand/Variety      | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|--------------------|----------------|----------------------|----------------------|--------------|------------------------|
| MFA 2250           | 82.4**         |                      | 58.0                 | 1            | 37                     |
| MFA 2248           | 82.0*          |                      | 56.1                 | 1            | 32                     |
| Armor ARX1327      | 81.6*          |                      | 56.9                 | 1            | 33                     |
| Dyna-Gro WX13631   | 81.4*          |                      | 57.9                 | 1            | 34                     |
| USG 3993           | 81.4*          | 81.9**               | 58.9                 | 1            | 35                     |
| AgriMaxx 438       | 80.9*          | 81.9**               | 56.6                 | 1            | 40                     |
| Dyna-Gro WX13622   | 80.1*          |                      | 56.3                 | 1            | 35                     |
| Armor Rampage      | 80.0*          | 75.1                 | 56.5                 | 1            | 36                     |
| Delta Grow 720X    | 79.9*          |                      | 56.5                 | 1            | 35                     |
| USG 3013           | 79.8*          | 78.7*                | 56.5                 | 1            | 39                     |
| Progeny 870        | 79.7*          | 80.3*                | 55.0                 | 1            | 33                     |
| Terral TV8848      | 79.7*          | 79.2*                | 56.7                 | 1            | 35                     |
| AGS 2056           | 79.7*          | 74.3                 | 55.5                 | 1            | 32                     |
| Lewis 829          | 79.6*          |                      | 57.1                 | 1            | 40                     |
| Progeny PGX 13-6   | 79.5*          |                      | 56.3                 | 1            | 35                     |
| MFA 2166           | 79.4*          | 71.9                 | 58.9                 | 1            | 38                     |
| Merschman Genie 12 | 79.3*          |                      | 61.0                 | 2            | 36                     |
| MOWEP 4571         | 79.1*          |                      | 59.3                 | 1            | 33                     |
| Dixie McAlister    | 78.9*          | 80.2*                | 55.5                 | 1            | 33                     |
| Dyna-Gro 9223      | 78.9*          | 78.1*                | 57.1                 | 1            | 40                     |
| Equity Sienna      | 78.8*          |                      | 57.2                 | 1            | 41                     |
| Pioneer 25R46      | 78.8*          |                      | 59.4                 | 1            | 34                     |
| Armor ARX1313      | 78.7*          |                      | 54.9                 | 1            | 36                     |
| Delta Grow 9700    | 78.6*          | 80.3*                | 57.4                 | 1            | 39                     |
| Progeny 357        | 78.6*          | 76.3                 | 54.7                 | 1            | 36                     |
| Delta Grow 7200    | 78.6*          | 73.9                 | 56.6                 | 2            | 33                     |
| VA10W-21           | 78.5*          |                      | 59.3                 | 1            | 34                     |
| Armor ARX1329      | 78.4*          |                      | 58.2                 | 1            | 35                     |
| AgriMaxx 413       | 78.4*          | 80.3*                | 54.6                 | 1            | 32                     |
| Dixie Xtreme       | 78.3*          | 80.2*                | 56.8                 | 1            | 39                     |
| Pioneer 25R32      | 78.3*          | 77.3*                | 59.5                 | 1            | 35                     |
| Pioneer 26R41      | 78.3*          | 76.9                 | 57.6                 | 1            | 30                     |
| Armor Havoc        | 78.1*          |                      | 56.8                 | 1            | 36                     |
| KY03C-1237-32      | 78.1*          |                      | 60.0                 | 1            | 36                     |
| Merschman Julie 8  | 78.1*          |                      | 57.7                 | 1            | 34                     |
| Dixie DEX 13-3     | 78.1*          | 77.0                 | 58.2                 | 1            | 38                     |
| Dyna-Gro 9053      | 77.9*          | 80.4*                | 54.1                 | 1            | 34                     |
| AgriMaxx 415       | 77.4*          | 73.7                 | 58.8                 | 1            | 34                     |
| MOWEP 3548         | 77.2*          |                      | 57.4                 | 1            | 35                     |
| AGS 2057           | 77.1*          | 76.6                 | 58.0                 | 1            | 36                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| AgriMaxx Exp1465      | 77.0           |                      | 56.2                 | 1            | 33                     |
| Progeny PGX 13-1      | 76.9           |                      | 56.7                 | 1            | 36                     |
| AgriMaxx 444          | 76.8           |                      | 56.4                 | 1            | 33                     |
| USG 3438              | 76.8           | 78.0*                | 54.7                 | 1            | 33                     |
| Syngenta SX102        | 76.6           |                      | 58.1                 | 1            | 37                     |
| Truman                | 76.6           |                      | 57.6                 | 1            | 37                     |
| Merschman Barbie 10   | 76.4           |                      | 54.3                 | 1            | 36                     |
| USG 3251              | 76.1           | 73.8                 | 57.1                 | 1            | 37                     |
| Pioneer 25R78         | 76.1           | 70.5                 | 56.8                 | 1            | 34                     |
| Pioneer 25R40         | 76.0           | 77.8*                | 56.3                 | 1            | 32                     |
| USG 3404              | 75.5           | 79.8*                | 56.4                 | 1            | 34                     |
| Delta Grow 7100       | 75.4           |                      | 56.2                 | 1            | 34                     |
| Armor ARX1325         | 74.9           |                      | 55.5                 | 1            | 32                     |
| Dixie Glory           | 74.8           |                      | 56.2                 | 1            | 38                     |
| Dyna-Gro 9373         | 74.8           |                      | 56.4                 | 1            | 36                     |
| KY03C-1237-05         | 74.7           |                      | 56.1                 | 1            | 36                     |
| Terral TV8535         | 74.6           | 76.2                 | 55.3                 | 1            | 32                     |
| Progeny 117           | 74.6           | 72.0                 | 58.3                 | 1            | 36                     |
| AgriMaxx Exp1335      | 73.8           | 73.7                 | 57.3                 | 1            | 35                     |
| Armor ARX1332         | 73.6           |                      | 57.8                 | 1            | 32                     |
| MFA 2525              | 73.6           | 72.7                 | 55.3                 | 1            | 39                     |
| Lewis 851             | 73.3           |                      | 57.3                 | 1            | 37                     |
| MOWEP 6537            | 73.2           |                      | 61.3                 | 1            | 40                     |
| Limagrain L-Brand 448 | 73.1           |                      | 55.6                 | 1            | 36                     |
| Delta Grow 7500       | 73.1           | 73.6                 | 54.5                 | 1            | 34                     |
| Armor Octane          | 73.0           |                      | 55.9                 | 1            | 38                     |
| AgriMaxx 447          | 72.9           |                      | 56.4                 | 1            | 36                     |
| Pioneer 26R53         | 72.8           | 71.1                 | 57.3                 | 1            | 34                     |
| Equity Exp 13W34      | 72.7           |                      | 56.0                 | 1            | 36                     |
| Syngenta SX103        | 72.7           |                      | 59.0                 | 1            | 35                     |
| Pioneer 26R10         | 72.7           | 77.9*                | 55.5                 | 1            | 34                     |
| Syngenta SY Harrison  | 72.7           | 73.9                 | 55.1                 | 1            | 33                     |
| Terral TV8861         | 72.7           | 71.6                 | 54.3                 | 1            | 36                     |
| USG 3833              | 72.5           | 76.8                 | 56.6                 | 1            | 34                     |
| Terral TV8525         | 72.5           | 70.9                 | 57.5                 | 1            | 35                     |
| Syngenta Oakes        | 71.9           | 68.3                 | 58.7                 | 1            | 39                     |
| Pembroke 2008         | 71.1           |                      | 57.8                 | 1            | 36                     |
| Equity Guardian       | 70.7           |                      | 57.4                 | 1            | 35                     |
| Limagrain L-Brand 400 | 70.6           |                      | 58.3                 | 1            | 37                     |
| VA10W-123             | 70.5           |                      | 56.5                 | 1            | 37                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Delta Grow 3200       | 70.2           |                      | 56.5                 | 1            | 34                     |
| Lewis 839             | 70.1           |                      | 55.9                 | 1            | 36                     |
| KY03C-1002-02         | 69.7           |                      | 58.5                 | 1            | 35                     |
| Bess                  | 69.5           | 68.0                 | 58.9                 | 1            | 37                     |
| Progeny 185           | 69.2           | 71.8                 | 56.9                 | 1            | 40                     |
| Milton                | 69.1           | 68.9                 | 56.2                 | 1            | 37                     |
| Progeny PGX 13-2      | 68.9           |                      | 56.0                 | 1            | 32                     |
| Pioneer 26R20         | 68.6           | 72.4                 | 55.7                 | 1            | 37                     |
| Armor Vandal          | 67.4           |                      | 56.1                 | 1            | 36                     |
| Dixie DXEX 14-2       | 67.1           |                      | 56.4                 | 1            | 37                     |
| Progeny PGX 13-4      | 65.8           |                      | 57.3                 | 1            | 35                     |
| VA08MAS-369           | 64.3           |                      | 56.1                 | 1            | 35                     |
| AGS 2035              | 64.2           | 70.3                 | 55.1                 | 1            | 39                     |
| Limagrain L-Brand 343 | 58.7           |                      | 53.2                 | 1            | 34                     |
| AGS 2038              | 52.5           | 64.6                 | 50.4                 | 1            | 40                     |
| <b>GRAND MEAN</b>     | <b>75.2</b>    | <b>75.2</b>          | <b>56.8</b>          | <b>1</b>     | <b>36</b>              |
| <b>LSD (10%)</b>      | <b>5.3</b>     | <b>4.7</b>           | <b>1.1</b>           |              |                        |
| <b>CV (%)</b>         | <b>5.2</b>     | <b>6.5</b>           | <b>1.4</b>           |              |                        |

**\*\*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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Pioneer 25R40         | 77.4**         | 72.5**               | 56.3                 | 1            | 33                     |
| Dyna-Gro WX13622      | 76.3*          |                      | 56.5                 | 1            | 32                     |
| AgriMaxx 413          | 76.2*          | 69.5*                | 56.0                 | 1            | 31                     |
| Armor Havoc           | 75.6*          |                      | 56.5                 | 1            | 34                     |
| MFA 2248              | 75.6*          |                      | 54.1                 | 1            | 30                     |
| AgriMaxx 444          | 75.3*          |                      | 56.2                 | 1            | 30                     |
| USG 3013              | 75.3*          | 71.2*                | 56.1                 | 1            | 35                     |
| USG 3438              | 75.0*          | 68.1                 | 55.4                 | 1            | 30                     |
| Armor ARX1327         | 74.9*          |                      | 56.4                 | 1            | 33                     |
| Pioneer 26R41         | 74.6*          | 65.8                 | 57.3                 | 1            | 28                     |
| Progeny PGX 13-6      | 74.5*          |                      | 55.9                 | 1            | 31                     |
| Syngenta SX102        | 74.3*          |                      | 57.5                 | 1            | 33                     |
| Terral TV8861         | 74.0*          | 68.7*                | 55.9                 | 1            | 32                     |
| Delta Grow 7200       | 73.8*          | 65.5                 | 55.9                 | 1            | 31                     |
| Pioneer 26R10         | 73.8*          | 68.5*                | 56.2                 | 1            | 32                     |
| Dixie DEX 13-3        | 73.6*          | 70.2*                | 56.6                 | 1            | 35                     |
| Dixie McAlister       | 73.1*          | 67.9                 | 55.0                 | 1            | 30                     |
| USG 3404              | 72.9*          | 72.3*                | 55.6                 | 1            | 33                     |
| Pioneer 25R46         | 72.7*          |                      | 57.7                 | 1            | 30                     |
| Progeny 870           | 72.6           | 65.4                 | 55.5                 | 1            | 28                     |
| AgriMaxx 438          | 72.5           | 69.8*                | 56.2                 | 1            | 34                     |
| Dyna-Gro WX13631      | 72.3           |                      | 57.8                 | 1            | 34                     |
| AGS 2056              | 72.2           | 65.7                 | 55.8                 | 1            | 28                     |
| Terral TV8525         | 72.1           | 66.4                 | 57.1                 | 1            | 33                     |
| AgriMaxx 415          | 72.0           | 67.5                 | 58.0                 | 1            | 28                     |
| AGS 2057              | 72.0           | 63.9                 | 57.5                 | 1            | 34                     |
| Syngenta SY Harrison  | 72.0           | 69.4*                | 55.6                 | 1            | 30                     |
| AgriMaxx Exp1465      | 71.7           |                      | 56.6                 | 1            | 33                     |
| Limagrain L-Brand 400 | 71.7           |                      | 56.6                 | 1            | 32                     |
| Equity Exp 13W34      | 71.6           |                      | 56.3                 | 1            | 36                     |
| KY03C-1002-02         | 71.6           |                      | 57.8                 | 1            | 34                     |
| Armor ARX1329         | 71.5           |                      | 57.1                 | 1            | 32                     |
| MFA 2250              | 71.5           |                      | 57.6                 | 1            | 33                     |
| Armor ARX1313         | 71.3           |                      | 54.1                 | 1            | 33                     |
| Delta Grow 9700       | 71.2           | 63.4                 | 55.8                 | 1            | 33                     |
| Merschman Barbie 10   | 71.2           |                      | 53.2                 | 1            | 29                     |
| MOWEP 4571            | 71.2           |                      | 59.3                 | 1            | 30                     |
| Terral TV8848         | 71.1           | 65.0                 | 56.4                 | 1            | 30                     |
| Progeny PGX 13-2      | 70.8           |                      | 56.3                 | 1            | 28                     |
| Armor ARX1325         | 70.7           |                      | 56.1                 | 1            | 31                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Dyna-Gro 9053         | 70.4           | 66.2                 | 53.8                 | 1            | 32                     |
| VA10W-21              | 70.4           |                      | 56.8                 | 1            | 32                     |
| Armor Vandal          | 70.3           |                      | 57.0                 | 1            | 32                     |
| Delta Grow 7100       | 70.2           |                      | 55.4                 | 1            | 32                     |
| Pioneer 25R78         | 70.0           | 64.4                 | 57.4                 | 1            | 30                     |
| Pioneer 26R20         | 70.0           | 62.8                 | 56.8                 | 1            | 31                     |
| AgriMaxx Exp1335      | 69.9           | 64.7                 | 56.2                 | 1            | 28                     |
| Delta Grow 3200       | 69.9           |                      | 57.5                 | 1            | 28                     |
| USG 3833              | 69.9           | 65.3                 | 56.4                 | 1            | 35                     |
| Delta Grow 720X       | 69.8           |                      | 55.5                 | 1            | 27                     |
| Pembroke 2008         | 69.7           |                      | 57.2                 | 1            | 29                     |
| USG 3251              | 69.7           | 69.2*                | 55.6                 | 1            | 30                     |
| Dyna-Gro 9223         | 69.4           | 65.4                 | 54.9                 | 1            | 33                     |
| Armor Octane          | 69.3           |                      | 56.7                 | 1            | 35                     |
| MFA 2525              | 69.2           | 64.1                 | 54.9                 | 1            | 30                     |
| AgriMaxx 447          | 68.9           |                      | 55.9                 | 1            | 35                     |
| Lewis 839             | 68.9           |                      | 56.3                 | 1            | 33                     |
| Progeny 357           | 68.9           | 64.9                 | 52.8                 | 1            | 30                     |
| KY03C-1237-05         | 68.8           |                      | 58.3                 | 1            | 33                     |
| MOWEP 3548            | 68.8           |                      | 55.4                 | 1            | 33                     |
| Armor Rampage         | 68.7           | 68.5*                | 55.0                 | 1            | 32                     |
| Pioneer 25R32         | 68.6           | 59.2                 | 57.1                 | 1            | 31                     |
| Pioneer 26R53         | 68.5           | 64.5                 | 57.0                 | 1            | 30                     |
| Armor ARX1332         | 68.2           |                      | 56.6                 | 1            | 30                     |
| Merschman Julie 8     | 68.0           |                      | 55.9                 | 1            | 31                     |
| MFA 2166              | 68.0           | 62.1                 | 57.2                 | 1            | 33                     |
| Dixie Glory           | 67.9           |                      | 56.8                 | 1            | 35                     |
| Dyna-Gro 9373         | 67.9           |                      | 56.5                 | 1            | 32                     |
| Progeny PGX 13-1      | 67.9           |                      | 56.6                 | 1            | 34                     |
| Milton                | 67.7           | 63.9                 | 57.5                 | 1            | 34                     |
| Limagrain L-Brand 448 | 67.4           |                      | 56.6                 | 1            | 33                     |
| Lewis 829             | 67.2           |                      | 56.0                 | 1            | 38                     |
| Terral TV8535         | 67.2           | 59.7                 | 55.7                 | 1            | 27                     |
| USG 3993              | 67.2           | 60.5                 | 56.4                 | 1            | 33                     |
| Lewis 851             | 67.0           |                      | 56.6                 | 1            | 34                     |
| MOWEP 6537            | 67.0           |                      | 58.0                 | 1            | 33                     |
| Dixie Xtreme          | 66.7           | 66.7                 | 55.2                 | 1            | 29                     |
| Equity Sienna         | 66.7           |                      | 56.1                 | 1            | 36                     |
| Bess                  | 66.6           | 62.5                 | 57.7                 | 1            | 35                     |
| Equity Guardian       | 66.5           |                      | 54.8                 | 1            | 33                     |

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

| Brand/Variety         | Yield<br>Bu/Ac | 2-year Mean<br>Bu/Ac | Test Weight<br>Lb/Bu | Lodging<br>~ | Plant Height<br>inches |
|-----------------------|----------------|----------------------|----------------------|--------------|------------------------|
| Delta Grow 7500       | 66.1           | 62.5                 | 55.0                 | 1            | 26                     |
| AGS 2035              | 64.9           | 62.7                 | 57.4                 | 1            | 34                     |
| Progeny PGX 13-4      | 64.9           |                      | 55.7                 | 1            | 31                     |
| VA10W-123             | 64.8           |                      | 57.2                 | 1            | 33                     |
| Syngenta Oakes        | 64.7           | 62.4                 | 58.0                 | 1            | 32                     |
| VA08MAS-369           | 64.3           |                      | 57.6                 | 1            | 30                     |
| Limagrain L-Brand 343 | 64.0           |                      | 57.6                 | 1            | 32                     |
| Syngenta SX103        | 63.5           |                      | 56.3                 | 1            | 31                     |
| Truman                | 63.0           |                      | 56.3                 | 1            | 37                     |
| KY03C-1237-32         | 62.7           |                      | 58.0                 | 1            | 28                     |
| Progeny 185           | 61.2           | 59.7                 | 53.9                 | 1            | 34                     |
| Merschman Genie 12    | 59.4           |                      | 59.8                 | 1            | 31                     |
| Dixie DEX 14-2        | 59.0           |                      | 57.4                 | 1            | 36                     |
| Progeny 117           | 57.8           | 56.9                 | 56.1                 | 1            | 34                     |
| AGS 2038              | 56.6           | 60.4                 | 55.2                 | 1            | 37                     |
| <b>GRAND MEAN</b>     | <b>69.6</b>    | <b>65.4</b>          | <b>56.3</b>          | <b>1</b>     | <b>32</b>              |
| <b>LSD (10%)</b>      | <b>4.7</b>     | <b>4.2</b>           | <b>1.0</b>           |              |                        |
| <b>CV (%)</b>         | <b>4.1</b>     | <b>5.8</b>           | <b>1.0</b>           |              |                        |

*\*\*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

| Brand/Variety        | Chaffee<br>Bu/Ac | Charleston<br>Bu/Ac | Portageville<br>Bu/Ac | Mean<br>Bu/Ac |
|----------------------|------------------|---------------------|-----------------------|---------------|
| MFA 2250             | 75.2**           | 82.4**              | 71.5                  | 77.0**        |
| MFA 2248             | 69.1*            | 82.0*               | 75.6*                 | 75.6*         |
| AGS 2056             | 70.7*            | 79.7*               | 72.2                  | 74.5*         |
| Armor Havoc          | 66.5*            | 78.1*               | 75.6*                 | 73.1*         |
| AgriMaxx Exp1465     | 69.8*            | 77.0                | 71.7                  | 73.0          |
| Armor ARX1313        | 68.3*            | 78.7*               | 71.3                  | 73.0          |
| Armor ARX1327        | 62.3             | 81.6*               | 74.9*                 | 72.7          |
| Delta Grow 7200      | 65.9             | 78.6*               | 73.8*                 | 72.6          |
| Progeny PGX 13-6     | 63.8             | 79.5*               | 74.5*                 | 72.4          |
| Merschman Julie 8    | 69.2*            | 78.1*               | 68.0                  | 72.2          |
| USG 3438             | 65.6             | 76.8                | 75.0*                 | 72.2          |
| USG 3013             | 62.1             | 79.8*               | 75.3*                 | 72.0          |
| Armor ARX1329        | 65.9             | 78.4*               | 71.5                  | 72.0          |
| Delta Grow 9700      | 65.6             | 78.6*               | 71.2                  | 71.9          |
| Dixie McAlister      | 64.0             | 78.9*               | 73.1*                 | 71.9          |
| Pioneer 26R53        | 73.0*            | 72.8                | 68.5                  | 71.8          |
| Pioneer 25R40        | 63.4             | 76.0                | 77.4**                | 71.6          |
| AgriMaxx 444         | 63.7             | 76.8                | 75.3*                 | 71.5          |
| Dyna-Gro WX13631     | 61.0             | 81.4*               | 72.3                  | 71.5          |
| AgriMaxx 413         | 60.9             | 78.4*               | 76.2*                 | 71.3          |
| Dixie DEX 13-3       | 62.9             | 78.1*               | 73.6*                 | 71.3          |
| Pioneer 26R41        | 61.8             | 78.3*               | 74.6*                 | 71.2          |
| MFA 2166             | 64.8             | 79.4*               | 68.0                  | 71.1          |
| Delta Grow 720X      | 62.6             | 79.9*               | 69.8                  | 70.9          |
| Dyna-Gro WX13622     | 57.9             | 80.1*               | 76.3*                 | 70.8          |
| Armor ARX1325        | 66.2             | 74.9                | 70.7                  | 70.6          |
| AgriMaxx 438         | 58.8             | 80.9                | 72.5                  | 70.5          |
| Dixie Glory          | 67.9*            | 74.8                | 67.9                  | 70.5          |
| USG 3404             | 63.7             | 75.5                | 72.9*                 | 70.4          |
| Pioneer 25R46        | 60.3             | 78.8*               | 72.7*                 | 70.3          |
| USG 3993             | 61.3             | 81.4*               | 67.2                  | 70.3          |
| Truman               | 68.8*            | 76.6                | 63.0                  | 70.3          |
| USG 3251             | 64.8             | 76.1                | 69.7                  | 70.3          |
| Dyna-Gro 9053        | 61.8             | 77.9*               | 70.4                  | 70.0          |
| Lewis 829            | 61.9             | 79.6*               | 67.2                  | 69.9          |
| Dyna-Gro 9223        | 60.9             | 78.9*               | 69.4                  | 69.8          |
| MOWEP 3548           | 62.8             | 77.2*               | 68.8                  | 69.7          |
| Syngenta SY Harrison | 64.3             | 72.7                | 72.0                  | 69.4          |
| Terral TV8848        | 57.6             | 79.7*               | 71.1                  | 69.3          |
| Dixie Xtreme         | 61.9             | 78.3*               | 66.7                  | 69.3          |

## SOUTHEAST REGION SUMMARY

| Brand/Variety         | Chaffee<br>Bu/Ac | Charleston<br>Bu/Ac | Portageville<br>Bu/Ac | Mean<br>Bu/Ac |
|-----------------------|------------------|---------------------|-----------------------|---------------|
| Progeny 357           | 59.8             | 78.6*               | 68.9                  | 69.1          |
| Progeny 870           | 55.7             | 79.7*               | 72.6                  | 68.9          |
| Merschman Barbie 10   | 59.4             | 76.4                | 71.2                  | 68.7          |
| Terral TV8525         | 62.6             | 72.5                | 72.1                  | 68.7          |
| MOWEP 4571            | 55.9             | 79.1*               | 71.2                  | 68.4          |
| Armor Rampage         | 56.5             | 80.0*               | 68.7                  | 68.4          |
| AgriMaxx 415          | 56.8             | 77.4*               | 72.0                  | 68.3          |
| MFA 2525              | 62.2             | 73.6                | 69.2                  | 68.2          |
| Pioneer 25R32         | 57.9             | 78.3*               | 68.6                  | 68.2          |
| Merschman Genie 12    | 62.2             | 79.3*               | 59.4                  | 67.9          |
| VA10W-21              | 55.3             | 78.5*               | 70.4                  | 67.8          |
| Pioneer 25R78         | 57.9             | 76.1                | 70.0                  | 67.8          |
| AgriMaxx 447          | 61.8             | 72.9                | 68.9                  | 67.7          |
| AGS 2057              | 55.4             | 77.1*               | 72.0                  | 67.7          |
| Pioneer 26R10         | 58.6             | 72.7                | 73.8*                 | 67.7          |
| Progeny PGX 13-1      | 57.9             | 76.9                | 67.9                  | 67.5          |
| Syngenta SX102        | 52.9             | 76.6                | 74.3*                 | 67.1          |
| Dyna-Gro 9373         | 58.3             | 74.8                | 67.9                  | 66.9          |
| Delta Grow 7100       | 55.1             | 75.4                | 70.2                  | 66.5          |
| KY03C-1002-02         | 59.8             | 69.7                | 71.6                  | 66.5          |
| KY03C-1237-05         | 56.6             | 74.7                | 68.8                  | 66.4          |
| Terral TV8861         | 55.1             | 72.7                | 74.0*                 | 66.4          |
| Equity Exp 13W34      | 56.4             | 72.7                | 71.6                  | 66.3          |
| Terral TV8535         | 57.5             | 74.6                | 67.2                  | 66.3          |
| Equity Sienna         | 53.1             | 78.8*               | 66.7                  | 66.1          |
| Pembroke 2008         | 58.0             | 71.1                | 69.7                  | 65.8          |
| Limagrain L-Brand 448 | 57.5             | 73.1                | 67.4                  | 65.8          |
| MOWEP 6537            | 56.9             | 73.2                | 67.0                  | 65.5          |
| Armor ARX1332         | 55.5             | 73.6                | 68.2                  | 65.5          |
| Syngenta Oakes        | 59.5             | 71.9                | 64.7                  | 65.5          |
| Delta Grow 7500       | 57.3             | 73.1                | 66.1                  | 65.4          |
| Armor Octane          | 55.2             | 73.0                | 69.3                  | 65.4          |
| AgriMaxx Exp1335      | 53.8             | 73.8                | 69.9                  | 65.3          |
| Equity Guardian       | 58.7             | 70.7                | 66.5                  | 65.2          |
| USG 3833              | 54.5             | 72.5                | 69.9                  | 65.1          |
| Lewis 839             | 56.8             | 70.1                | 68.9                  | 64.8          |
| KY03C-1237-32         | 51.7             | 78.1*               | 62.7                  | 64.4          |
| Lewis 851             | 53.4             | 73.3                | 67.0                  | 64.3          |
| Progeny 117           | 58.2             | 74.6                | 57.8                  | 64.3          |
| Delta Grow 3200       | 54.0             | 70.2                | 69.9                  | 64.1          |

## SOUTHEAST REGION SUMMARY

| Brand/Variety         | Chaffee<br>Bu/Ac | Charleston<br>Bu/Ac | Portageville<br>Bu/Ac | Mean<br>Bu/Ac |
|-----------------------|------------------|---------------------|-----------------------|---------------|
| Progeny PGX 13-4      | 61.5             | 65.8                | 64.9                  | 64.0          |
| Armor Vandal          | 55.1             | 67.4                | 70.3                  | 63.5          |
| Bess                  | 55.4             | 69.5                | 66.6                  | 63.5          |
| VA10W-123             | 55.4             | 70.5                | 64.8                  | 63.4          |
| Pioneer 26R20         | 52.6             | 68.6                | 70.0                  | 63.0          |
| Limagrain L-Brand 400 | 48.4             | 70.6                | 71.7                  | 62.6          |
| Progeny PGX 13-2      | 50.2             | 68.9                | 70.8                  | 62.4          |
| Syngenta SX103        | 49.8             | 72.7                | 63.5                  | 61.8          |
| Milton                | 48.3             | 69.1                | 67.7                  | 61.0          |
| Progeny 185           | 51.1             | 69.2                | 61.2                  | 60.4          |
| Dixie DEX 14-2        | 50.3             | 67.1                | 59.0                  | 58.8          |
| AGS 2035              | 47.9             | 64.2                | 64.9                  | 58.3          |
| VA08MAS-369           | 43.4             | 64.3                | 64.3                  | 56.5          |
| Limagrain L-Brand 343 | 46.8             | 58.7                | 64.0                  | 55.6          |
| AGS 2038              | 37.7             | 52.5                | 56.6                  | 48.0          |
| <b>GRAND MEAN</b>     | <b>59.3</b>      | <b>75.2</b>         | <b>69.6</b>           | <b>67.8</b>   |
| <b>LSD (10%)</b>      | <b>8.8</b>       | <b>5.3</b>          | <b>4.7</b>            | <b>3.9</b>    |
| <b>CV (%)</b>         | <b>11.0</b>      | <b>5.2</b>          | <b>4.1</b>            | <b>6.9</b>    |

**\*\*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 2014 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 <sup>1</sup> | Head Type <sup>2</sup> | Winter Hardy <sup>3</sup> | Hessian Fly <sup>4</sup> | FHB <sup>5</sup> | Stem Rust <sup>6</sup> | Leaf Rust <sup>7</sup> | BYDV <sup>8</sup> | Seed Treatment <sup>9</sup> |
|------------------|-----------------------|------------------------|---------------------------|--------------------------|------------------|------------------------|------------------------|-------------------|-----------------------------|
| AgriMaxx 413     | M                     | A                      | E                         | I                        | 3                | 3                      | 2                      | 2                 | 1,12                        |
| AgriMaxx 415     | M                     | A                      | E                         | I                        | 2                | 3                      | 3                      | 2                 | 1,12                        |
| AgriMaxx 438     | M                     | A                      | E                         | I                        | 2                | 3                      | 3                      | 3                 | 1,12                        |
| AgriMaxx 444     | M                     | A                      | E                         | I                        | n/i              | n/i                    | n/i                    | n/i               | 1,12                        |
| AgriMaxx 447     | M                     | A                      | E                         | I                        | 3                | 2                      | 1                      | n/i               | 1,12                        |
| AgriMaxx Exp1335 | M                     | A                      | E                         | n/i                      | 2                | 3                      | 2                      | 2                 | 1,12                        |
| AgriMaxx Exp1465 | M                     | A                      | E                         | I                        | n/i              | 3                      | 3                      | n/i               | 1,12                        |
| AGS 2035         | M                     | A                      | E                         | n/i                      | n/i              | n/i                    | 2                      | 3                 | n,i                         |
| AGS 2038         | M                     | A                      | E                         | n/i                      | n/i              | n/i                    | 2                      | 2                 | n,i                         |
| AGS 2056         | M                     | U                      | E                         | n/i                      | n/i              | 3                      | 3                      | 3                 | n,i                         |
| AGS 2057         | M                     | U                      | E                         | n/i                      | 5                | n/i                    | 2                      | n/i               | n,i                         |
| Armor ARX1313    | M                     | A                      | E                         | S                        | 3                | 3                      | 2                      | 2                 | 1,3                         |
| Armor ARX1325    | M                     | A                      | n/i                       | I                        | 4                | 4                      | 4                      | n/i               | 1,3                         |
| Armor ARX1327    | M                     | A                      | n/i                       | S                        | 3                | n/i                    | 4                      | n/i               | 1,3                         |
| Armor ARX1329    | M                     | A                      | n/i                       | I                        | 2                | n/i                    | 3                      | n/i               | 1,3                         |
| Armor ARX1332    | M                     | A                      | E                         | n/i                      | 3                | n/i                    | 2                      | n/i               | 1,3                         |
| Armor Havoc      | M                     | A                      | E                         | I                        | 2                | 7                      | 4                      | 3                 | 1,3                         |
| Armor Octane     | M                     | U                      | E                         | S                        | 4                | 3                      | 2                      | 3                 | 1,3                         |
| Armor Rampage    | M                     | U                      | E                         | S                        | 2                | 2                      | 3                      | n/i               | 1,3                         |
| Armor Vandal     | M                     | A                      | E                         | I                        | 3                | 3                      | 2                      | 2                 | 1,3                         |
| Bess             | E                     | U                      | G                         | S                        | 1                | 7                      | 7                      | 5                 | 6,12                        |
| Delta Grow 3200  | M                     | A                      | E                         | S                        | n/i              | 2                      | 2                      | 2                 | 1,3                         |
| Delta Grow 7100  | M                     | A                      | E                         | S                        | n/i              | 3                      | 2                      | 2                 | 1,3                         |
| Delta Grow 7200  | M                     | A                      | E                         | S                        | n/i              | 4                      | 2                      | 3                 | 1,3                         |
| Delta Grow 720X  | M                     | A                      | E                         | S                        | n/i              | 4                      | 2                      | 2                 | 1,3                         |
| Delta Grow 7500  | M                     | A                      | E                         | S                        | n/i              | 3                      | 2                      | 2                 | 1,3                         |
| Delta Grow 9700  | M                     | A                      | E                         | I                        | n/i              | 3                      | 3                      | 3                 | 1,3                         |
| Dixie DXEX 13-3  | M                     | U                      | G                         | R                        | 3                | 2                      | 4                      |                   | 1,3                         |
| Dixie DXEX 14-2  | M                     | U                      | E                         | n/i                      | 2                | 2                      | 2                      | 2                 | 1,3                         |
| Dixie Extreme    | M                     | U                      | E                         | n/i                      | n/i              | 3                      | 3                      | 3                 | 1,2                         |
| Dixie Glory      | M                     | U                      | E                         | n/i                      | 5                | n/i                    | 2                      | n/i               | 1,2                         |
| Dixie McAlister  | M                     | A                      | E                         | n/i                      | n/i              | n/i                    | 2                      | 3                 | 1,2                         |
| Dyna-Gro 9053    | M                     | A                      | E                         | S                        | 5                | n/i                    | 4                      | 3                 | 10,18                       |
| Dyna-Gro 9223    | M                     | U                      | E                         | S                        | 3                | n/i                    | 5                      | 4                 | 10,18                       |
| Dyna-Gro 9373    | M                     | U                      | G                         | n/i                      | 5                | n/i                    | 2                      | 3                 | 10,18                       |

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE  
2013 MU VARIETY TESTING PROGRAM**

| Variety               | Maturity <sup>1</sup> | Head Type <sup>2</sup> | Winter<br>Hardy <sup>3</sup> | Hessian<br>Fly <sup>4</sup> | FHB <sup>5</sup> | Stem Rust <sup>6</sup> | Leaf Rust <sup>7</sup> | BYDV <sup>8</sup> | Seed<br>Treatment <sup>9</sup> |
|-----------------------|-----------------------|------------------------|------------------------------|-----------------------------|------------------|------------------------|------------------------|-------------------|--------------------------------|
| Dyna-Gro 9441         | E                     | U                      | G                            | n/i                         | 3                | n/i                    | 3                      | 4                 | 1,12                           |
| Dyna-Gro WX13622      | M                     | A                      | G                            | S                           | 4                | n/i                    | 4                      | 3                 | 1,12                           |
| Dyna-Gro WX13631      | M                     | A                      | G                            | S                           | 3                | n/i                    | 3                      | 3                 | 1,12                           |
| Equity Exp 13W34      | M                     | U                      | E                            | n/i                         | 3                | 2                      | 4                      | 3                 | 19                             |
| Equity Guardian       | L                     | U                      | E                            | n/i                         | 1                | 4                      | 3                      | 3                 | 19                             |
| Equity Sienna         | E                     | U                      | E                            | n/i                         | 4                | 4                      | 3                      | 4                 | 19                             |
| Green Valley GV653    | M                     | U                      | E                            | S                           | n/i              | n/i                    | n/i                    | n/i               | 3,6                            |
| Green Valley GV662    | M                     | A                      | E                            | S                           | n/i              | n/i                    | n/i                    | n/i               | 3,6                            |
| KY03C-1002-02         | E                     | A                      | G                            | S                           | 3                | n/i                    | 5                      | 4                 | 1,2                            |
| KY03C-1237-05         | E                     | A                      | E                            | S                           | 4                | n/i                    | 4                      | 3                 | 1,2                            |
| KY03C-1237-32         | E                     | A                      | G                            | S                           | 3                | n/i                    | 4                      | 3                 | 1,2                            |
| Lewis 829             | E                     | U                      | E                            | n/i                         | n/i              | n/i                    | 4                      | n/i               | 12,15                          |
| Lewis 839             | M                     | U                      | E                            | n/i                         | 4                | n/i                    | 2                      | n/i               | 12,15                          |
| Lewis 851             | L                     | U                      | E                            | n/i                         | 2                | n/i                    | 1                      | 3                 | 12,15                          |
| Limagrain L-Brand 182 | E                     | U                      | E                            | I                           | 2                | n/i                    | 2                      | 3                 | 1,12                           |
| Limagrain L-Brand 203 | M                     | U                      | G                            | I                           | 2                | 1                      | 2                      | 3                 | 6,14,15                        |
| Limagrain L-Brand 241 | M                     | U                      | G                            | I                           | 2                | 3                      | 3                      | 2                 | 6,14,15                        |
| Limagrain L-Brand 321 | E                     | U                      | G                            | I                           | 2                | n/i                    | 2                      | 3                 | 1,12                           |
| Limagrain L-Brand 343 | M                     | U                      | E                            | I                           | 4                | 3                      | 3                      | 2                 | 5,20                           |
| Limagrain L-Brand 400 | M                     | U                      | E                            | I                           | 4                | n/i                    | 4                      | 2                 | 1,12                           |
| Limagrain L-Brand 448 | L                     | U                      | E                            | I                           | 3                | 3                      | 3                      | 3                 | 11,21                          |
| Limagrain LCS NEWS    | M                     | U                      | E                            | I                           | 4                | n/i                    | 2                      | 2                 | 1,12                           |
| Medoc Valley MVI-31-1 | M                     | A                      | G                            | S                           | 6                | n/i                    | 5                      | 9                 | 4,9                            |
| Medoc Valley MVI-16   | L                     | A                      | E                            | S                           | 5                | 2                      | 3                      | 3                 | 4,9                            |
| Merschman Barbie 10   | M                     | A                      | E                            | S                           | 3                | 3                      | 2                      | 2                 | 1,3                            |
| Merschman Genie 12    | M                     | U                      | E                            | n/i                         | 1                | n/i                    | 2                      | 2                 | 1,3                            |
| Merschman Julie 8     | E                     | U                      | E                            | n/i                         | 1                | n/i                    | 2                      | 2                 | 1,3                            |
| MFA 2166              | M                     | U                      | E                            | R                           | 2                | 3                      | 2                      | 2                 | 1,5                            |
| MFA 2248              | M                     | A                      | G                            | R                           | 3                | 3                      | 3                      | 2                 | 1,5                            |
| MFA 2250              | M                     | A                      | G                            | R                           | 3                | 3                      | 3                      | 2                 | 1,5                            |
| MFA 2525              | M                     | A                      | E                            | R                           | 2                | 2                      | 3                      | 2                 | 1,5                            |
| Milton                | E                     | A                      | G                            | S                           | 5                | 5                      | 5                      | 5                 | 6,12                           |
| MOWEP 3548            | E                     | U                      | E                            | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |
| MOWEP 4571            | E                     | U                      | E                            | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |
| MOWEP 6537            | E                     | U                      | G                            | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE  
2013 MU VARIETY TESTING PROGRAM**

| Variety              | Maturity <sup>1</sup> | Head Type <sup>2</sup> | Winter<br>Hardy <sup>3</sup> | Hessian<br>Fly <sup>4</sup> | FHB <sup>5</sup> | Stem Rust <sup>6</sup> | Leaf Rust <sup>7</sup> | BYDV <sup>8</sup> | Seed<br>Treatment <sup>9</sup> |
|----------------------|-----------------------|------------------------|------------------------------|-----------------------------|------------------|------------------------|------------------------|-------------------|--------------------------------|
| Pembroke 2008        | E                     | A                      | G                            | S                           | 5                | n/i                    | 4                      | 6                 | 1,2                            |
| Pioneer 25R32        | M                     | A                      | G                            | R                           | 3                | n/i                    | 5                      | n/i               | 3                              |
| Pioneer 25R40        | M                     | A                      | G                            | S                           | 4                | n/i                    | 3                      | n/i               | 3                              |
| Pioneer 25R40        | M                     | A                      | G                            | S                           | 6                | n/i                    | 4                      | n/i               | 3,4                            |
| Pioneer 25R46        | M                     | A                      | n/i                          | S                           | n/i              | n/i                    | 5                      | n/i               | 3                              |
| Pioneer 25R46        | M                     | A                      | E                            | S                           | 3                | n/i                    | 5                      | n/i               | 3,4                            |
| Pioneer 25R77        | E                     | A                      | G                            | R                           | 6                | n/i                    | 7                      | n/i               | 3,4                            |
| Pioneer 25R78        | E                     | A                      | G                            | I                           | 7                | n/i                    | 3                      | n/i               | 3                              |
| Pioneer 26R10        | L                     | A                      | G                            | R                           | 5                | n/i                    | 5                      | n/i               | 3                              |
| Pioneer 26R20        | M                     | A                      | G                            | I                           | 8                | n/i                    | 4                      | n/i               | 3                              |
| Pioneer 26R41        | M                     | A                      | G                            | R                           | 6                | n/i                    | 3                      | n/i               | 3                              |
| Pioneer 26R53        | M                     | A                      | G                            | S                           | 6                | n/i                    | 4                      | n/i               | 3                              |
| Progeny 117          | E                     | U                      | E                            | n/i                         | 1                | 1                      | 1                      | 3                 | 4,16                           |
| Progeny 185          | M                     | U                      | E                            | n/i                         | 2                | 1                      | 1                      | 2                 | 4,16                           |
| Progeny 357          | M                     | A                      | E                            | n/i                         | 2                | 2                      | 2                      | 1                 | 4,16                           |
| Progeny PGX 13-1     | M                     | U                      | E                            | n/i                         | n/i              | 1                      | 1                      | n/i               | 4,16                           |
| Progeny PGX 13-2     | M                     | A                      | E                            | n/i                         | 4                | 2                      | 2                      | n/i               | 4,16                           |
| Progeny PGX 13-4     | M                     | A                      | E                            | n/i                         | n/i              | 1                      | 1                      | n/i               | 4,16                           |
| Progeny PGX 13-6     | M                     | A                      | E                            | n/i                         | 3                | 3                      | 4                      | n/i               | 4,16                           |
| Progeny 870          | M                     | A                      | E                            | n/i                         | 2                | 2                      | 1                      | 1                 | 4,16                           |
| ProHarvest 288       | M                     | U                      | E                            | n/i                         | 2                | 3                      | 1                      | 3                 | n,i                            |
| ProHarvest 303       | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | n,i                            |
| ProHarvest 342       | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | n,i                            |
| Syngenta Oakes       | M                     | U                      | n/i                          | S                           | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |
| Syngenta SX102       | M                     | U                      | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |
| Syngenta SX103       | M                     | U                      | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,12                           |
| Syngenta SY 007      | E                     | A                      | E                            | n/i                         | 4                | n/i                    | 5                      | 2                 | 1,12                           |
| Syngenta SY 474      | M                     | U                      | E                            | n/i                         | 3                | 2                      | 2                      | 2                 | 1,12                           |
| Syngenta SY 483      | M                     | U                      | E                            | n/i                         | 4                | n/i                    | 2                      | 2                 | 1,12                           |
| Syngenta SY Harrison | M                     | A                      | n/i                          | S                           | n/i              | n/i                    | n/i                    | n/i               | 1,3                            |
| Syngenta W1104       | M                     | U                      | E                            | n/i                         | 4                | n/i                    | 7                      | 3                 | 1,12                           |
| Terral TV8525        | M                     | A                      | G                            | n/i                         | n/i              | n/i                    | 7                      | n/i               | 2                              |
| Terral TV8535        | M                     | A                      | G                            | n/i                         | n/i              | n/i                    | 7                      | n/i               | 2                              |
| Terral TV8848        | M                     | A                      | G                            | R                           | n/i              | n/i                    | 7                      | n/i               | 2                              |
| Terral TV8861        | L                     | A                      | G                            | n/i                         | n/i              | 3                      | 7                      | n/i               | 2                              |

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE  
2013 MU VARIETY TESTING PROGRAM**

| Variety     | Maturity <sup>1</sup> | Head Type <sup>2</sup> | Winter<br>Hardy <sup>3</sup> | Hessian<br>Fly <sup>4</sup> | FHB <sup>5</sup> | Stem Rust <sup>6</sup> | Leaf Rust <sup>7</sup> | BYDV <sup>8</sup> | Seed<br>Treatment <sup>9</sup> |
|-------------|-----------------------|------------------------|------------------------------|-----------------------------|------------------|------------------------|------------------------|-------------------|--------------------------------|
| Truman      | L                     | U                      | G                            | S                           | 3                | 7                      | 7                      | 5                 | 6,12                           |
| USG 3013    | M                     | U                      | G                            | S                           | 2                | 3                      | 3                      | 3                 | 1,2                            |
| USG 3251    | L                     | A                      | G                            | S                           | 4                | n/i                    | 4                      | n/i               | 1,3                            |
| USG 3404    | L                     | A                      | E                            | S                           | 2                | 2                      | 2                      | 2                 | 1,4                            |
| USG 3438    | M                     | A                      | G                            | S                           | 4                | n/i                    | 3                      | n/i               | 1,3                            |
| USG 3833    | M                     | U                      | E                            | S                           | 5                | n/i                    | 2                      | n/i               | 1,2                            |
| USG 3993    | L                     | U                      | E                            | S                           | 1                | n/i                    | 4                      | 3                 | 1,3                            |
| VA08MAS-369 | M                     | A                      | n/i                          | n/i                         | 5                | n/i                    | 2                      | 3                 | 7,8,17                         |
| VA10W-123   | E                     | A                      | n/i                          | n/i                         | 4                | n/i                    | 2                      | 3                 | 7,8,17                         |
| VA10W-21    | M                     | A                      | n/i                          | n/i                         | 3                | n/i                    | 1                      | 2                 | 7,8,18                         |
| XL Coop 164 | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,2                            |
| XL Coop 194 | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,2                            |
| XL Coop 393 | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,2                            |
| XL Coop 434 | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,2                            |
| XL Coop 442 | n/i                   | n/i                    | n/i                          | n/i                         | n/i              | n/i                    | n/i                    | n/i               | 1,2                            |

<sup>1</sup>E = Early, M = Medium, L = Late

<sup>2</sup>A = Awned, U = Unawned

<sup>3</sup>E = Excellent, G = Good, F = Fair, n/i means the company did not provide information

<sup>4</sup>S = Susceptible, R = Resistant, I = Intermediate, n/i means the company did not provide information

<sup>5</sup> 1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

<sup>6</sup> 1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

<sup>7</sup> 1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

<sup>8</sup> 1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

<sup>9</sup> 1 = Crusier, 2 = Dividend, 3 = Dividend Extreme, 4 = Gaucho, 5 = Vibrance, 6 = Nitro Shield, 7 = Raxil MD, 8 = Storecide II

9 = Pinnacle, 10 = Foothold, 11 = Macho, 12 = Vibrance Extreme, 13 = Maxium 4FS, 14 = Warden, 15 = Maxima

16 = EverGol, 17 = Mertect, 18 = Imidacloprid, 19 = Athena IM, 20 = Nipset, 21 = Roncona

## SOURCES FOR VARIETIES ENTERED IN THE 2014 MISSOURI WHEAT TESTS

| Brand/Variety | Company and Address                                | Phone        | URL                      |
|---------------|--|--------------|--------------------------|
| AgriMaxx      | AgriMaxx Wheat Co.<br>Mascoutah, IL 62258          | 855-629-9432 | agrimaxxwheat.com        |
| AGS           | AgSouth<br>Albany, GA 31708                        | 870-830-5889 | agsouthgenetics.com      |
| Armor         | Armor Seed<br>Waldenburg, AR 72475                 | 870-579-2286 | armorseed.com            |
| Delta Grow    | Delta Grow Seed Co.<br>England, AR 72046           | 501-842-2572 | deltagrow.com            |
| Dixie         | Cache River Valley Seed<br>Cache, AR 72421         | 870-477-5427 | crvseed.com              |
| Dyna-Gro      | Dyna-Gro Seed<br>Bowling Green, MO 63334           | 614-761-4110 | dynagroseed.com          |
| Equity        | Equity Seed<br>Winfield, IN 46074                  | 317-910-2140 | -                        |
| Green Valley  | Green Valley Seed<br>Kahoka, MO 63445              | 800-748-7943 | gvseed.com               |
| Lewis         | Lewis Hybrids<br>Ursa, IL 62376                    | 816-506-0470 | lewishybrids.com         |
| Limagrain     | Limagrain Cereal Seeds<br>Bushnell, IL 61422       | 309-569-0008 | limagraincerealseeds.com |
| Limagrain     | Gremaud AG<br>Perryville, MO 63775                 | 573-547-7214 | limagraincerealseeds.com |
| Limagrain     | Parsons Seed Co.<br>Albany, MO 64402               | 660-726-3774 | limagraincerealseeds.com |
| Limagrain     | Stephens Seed Farm<br>Dexter, MO 63841             | 573-820-2173 | limagrainerealseeds.com  |
| Medoc Valley  | Medoc Valley Inc.<br>Oronogo, MO 64855             | 417-642-5300 | -                        |
| Mershman      | Mershman Seeds, Inc.<br>West Point, IA 52656       | 319-837-6936 | mershmanseeds.com        |
| MFA           | MFA Inc.<br>Columbia, MO 65201                     | 573-876-5363 | mfaincorporated.com      |
| Pioneer       | DuPont Pioneer<br>Bloomington, IL 61704            | 800-950-3489 | pioneer.com              |
| Pioneer       | DuPont Pioneer<br>Delaware, OH 43015               | 800-950-3489 | pioneer.com              |
| Progeny       | Progeny Ag Products<br>Wynne, AR 72396             | 870-238-2079 | progenyag.com            |
| ProHarvest    | ProHarvest<br>Chillicothe, MO 64601                | 660-646-1177 | thecorndocor.com         |
| Public        | Kentucky Small Grain Growers<br>Eastwood, KY 40018 | 502-974-1121 | kysmallgrains.org        |
| Public        | Missouri Crop Improvement<br>Columbia, MO 65201    | 573-449-0586 | moseed.org               |
| Public        | Virginia Tech, EVAREC<br>Warsaw, VA 22572          | 804-333-3485 | -                        |
| Syngenta      | Syngenta Seeds<br>Cordova, TN 38018                | 901-266-0955 | agriproheat.com          |

**SOURCES FOR HYBRIDS ENTERED IN THE 2013 MISSOURI WHEAT TESTS**

| Brand/Variety | Company and Address                               | Phone        | URL              |
|---------------|---|--------------|------------------|
| Syngenta      | Syngenta Seeds<br>Monroeville, IN 46773           | 260-248-1700 | agriprowheat.com |
| Terral        | Terral Seed, Inc.<br>Lake Providence, LA 71254    | 318-282-3681 | terralseed.com   |
| USG           | Unisouth Genetics, Inc.<br>Dixon, TN 37055        | 800-505-3133 | usgseed.com      |
| XL Coop       | Service and Supply Coop<br>New Florence, MO 63363 | 573-835-2485 | ssco-op.com      |