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

COMPARING VARIETIES

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

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

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

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

AUTHORS

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The MU Variety Testing Program recognizes and expresses appreciation to the following individuals for their part in making the 2012 wheat performance tests possible: Peter Brewer, Trenton; Randall Smoot, superintendent, Greenley Memorial Research Center, Novelty; Tim Reinbott, superintendent, Bradford Research and Extension Center, Columbia; Kenny Tevis, Hughesville; Darrel Tenholder, Adrian; David Sheat, Lamar; Martin Eftink, Chaffee; Don Deline, Charleston; Jake Fisher, superintendent, Delta Research Center, Portageville.

EXPERIMENTAL PROCEDURES

Regions and Locations: The MU Variety Testing program divides the wheat growing area of Missouri into three regions: North, Southwest, and Southeast. Each region contains three locations, and the same varieties are tested in all locations within a region. Locations for 2012 are as follows:

North

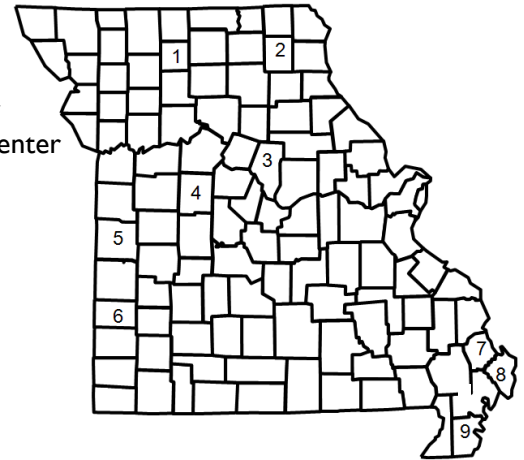
1. Trenton (Grundy County); Peter Brewer farm
2. Novelty (Knox County); Greenley Memorial Research Center
3. Columbia (Boone County); Bradford Research & Extension Center

Southwest

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

Southeast

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



Entries: All seed companies were eligible to enter varieties in the 2012 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.

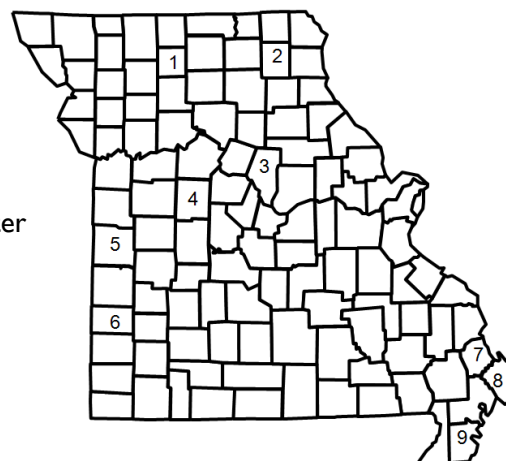
Accessibility of Data: Results of the 2012 crop performance tests are available in print format and online at “varietytesting.missouri.edu”. If you need assistance in accessing the web site or would like to receive a printed copy please call 573-882-2307.

NORTH REGION

CROP MANAGEMENT SUMMARY

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

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



The three locations were planted in early October, but initial stands were poor at Columbia. The Columbia location was replanted on October 21. Winter survival was good. A foliar fungicide was applied at the Trenton location. Weather parameters and cultural practices are provided below.

Average temperature (October through May) = 48.3 degrees, 5.9 degrees above normal
 Total precipitation (October through May) = 21.1 inches, 1.0 inch below normal

CULTURAL PRACTICES - NORTH REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Herbicides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
	---pounds/acre---								
Trenton	Oct 3	June 20	130	0	0	Notill	-	-	Headline/none
Novelty	Oct 3	June 20	120	0	0	Notill	-	Harmony	None/None
Columbia	Oct 21	June 18	140	0	0	Notill	Roundup Power Max	Harmony	None/None

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

SOIL TYPE: Lagonda Silty Clay Loam

SOIL TEST: pH=6.7, OM=3.0%, P=26, K=156

RAINFALL: Oct=0.2,Nov=3.5,Dec=2.8,Jan=0.3,Feb=2.0,Mar=2.8,Apr=3.2,May=3.2

TOTAL SEASON RAINFALL = 18.0"

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 25R39	80.0**	77.4*	59.3	1	35
Dyna-Gro 9171	79.3*	80.0**	58.1	1	30
Merschman Barbie VIII	79.2*	-	58.5	1	30
Merschman Genie X	76.6*	-	60.9	1	31
Excel 442	76.4*	72.3	59.1	1	39
WestBred WBX-700	76.2*	-	59.2	1	36
MFA 2525	75.2*	74.7	59.3	1	37
Dyna-Gro 9053	75.1*	75.2*	57.9	1	32
Willcross 752	74.7*	77.3*	61.3	1	32
Direct DW Quest	73.8*	71.4	57.9	1	36
AgriMaxx 413	73.6*	77.2*	58.3	1	29
VA 06W-412	73.5*	-	60.5	1	31
ProHarvest 311	73.3*	-	57.9	1	35
Syngenta BO5*0154	71.7	-	57.3	1	31
Direct DW Sienna	71.4	77.6*	58.1	1	37
Merschman Bintee VIII	71.3	-	60.0	1	39
Syngenta Oakes	71.2	72.4	60.1	1	31
Lewis 829	71.1	-	58.2	1	37
Pioneer 25R32	70.8	71.8	61.0	1	32
AgriMaxx 415	70.2	76.4*	61.0	1	32
Proharvest 363	69.9	-	59.1	1	36
Milton	69.1	69.0	60.8	1	35
MO 081652	68.4	-	61.2	1	36
Pioneer 25R40	68.3	-	60.3	1	29
Merschman Katie XI	68.3	-	59.7	1	34
ProHarvest 207	67.9	-	60.3	1	35
Direct DW Edge	67.4	-	59.2	1	36
Truman	67.4	64.7	60.2	1	40
Syngenta W1104	67.1	71.8	58.2	1	34
Bess	66.6	66.9	60.6	1	36
MFA 2911	66.5	-	60.9	1	32
Lewis 842	66.4	67.1	59.5	1	36
Roane	65.9	-	60.7	1	32
VA 08W-294	65.8	-	59.5	1	30
Willcross 732	63.9	-	60.1	1	36
Syngenta SY1526	63.6	-	59.0	1	37
MO 080104	63.3	71.5	60.7	1	37
AgriMaxx Exp1220	62.2	-	61.1	1	35
MFA 2018	59.4	-	60.1	1	36
Excel 168	57.2	58.1	60.9	1	37

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Merschman Julie VII	55.3	-	61.1	1	36
Excel 163	55.2	63.8	60.1	1	37
Lewis 836	54.9	-	61.4	1	37
Merschman Millie III	54.5	-	60.7	1	33
Jamestown	54.5	61.9	61.9	1	34
GRAND MEAN	68.3	71.4	59.8	1	34
LSD (10%)	7.2	5.2	0.7		
CV (%)	7.8	7.8	0.9		

***Highest yielding variety in test*

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

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

NOVELTY, MO (KNOX COUNTY) - NORTH REGION

SOIL TYPE: Putnam Silt Loam

SOIL TEST: pH=5.9, OM=3.5%, P=40, K=352

RAINFALL: Oct=1.5,Nov=5.5,Dec=3.0,Jan=0.4,Feb=2.1,Mar=2.3,Apr=4.7,May=3.7

TOTAL SEASON RAINFALL = 23.2"

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Dyna-Gro 9171	85.1**	66.8*	56.3	1	36
Merschman Barbie VIII	84.6*	-	56.6	2	34
Pioneer 25R40	82.8*	-	58.5	1	32
Proharvest 363	82.5*	-	57.7	1	40
Pioneer 25R39	80.7*	64.1	58.5	1	33
MFA 2525	80.6*	70.2**	57.6	1	40
Lewis 829	79.3*	-	56.6	1	39
Excel 442	78.5	65.1	57.3	1	40
AgriMaxx 413	77.3	68.8*	56.1	1	35
AgriMaxx 415	76.8	67.5*	59.9	2	37
Merschman Genie X	76.5	-	59.6	1	33
Pioneer 25R32	74.3	63.2	59.1	1	36
Syngenta Oakes	74.3	62.6	59.1	1	35
Direct DW Quest	73.5	59.9	56.2	1	38
Direct DW Sienna	73.0	61.7	56.7	1	41
Willcross 752	72.7	64.9	59.5	1	37
Syngenta BO5*0154	72.4	-	55.8	1	36
Syngenta W1104	71.9	67.6*	56.2	1	35
Lewis 842	71.8	54.9	57.2	1	38
ProHarvest 311	71.1	-	57.5	1	37
MFA 2911	70.7	-	59.6	1	36
Direct DW Edge	70.5	-	57.9	1	39
Milton	70.1	61.7	58.5	1	37
Dyna-Gro 9053	70.1	59.2	54.7	1	37
MO 081652	69.7	-	60.3	1	40
Bess	69.1	59.7	58.7	1	37
Merschman Bintee VIII	68.6	-	58.0	1	35
WestBred WBX-700	67.5	-	57.8	1	37
MO 080104	67.0	58.4	59.9	1	40
VA 08W-294	65.4	-	59.1	1	36
Truman	65.3	59.8	58.3	1	39
Willcross 732	64.4	-	58.1	1	39
VA 06W-412	63.7	-	57.6	1	35
Roane	61.3	-	60.2	1	38
Jamestown	61.2	52.0	60.0	1	36
ProHarvest 207	60.7	-	59.3	1	37
AgriMaxx Exp1220	59.4	-	59.1	2	38
MFA 2018	58.4	-	57.8	1	39
Lewis 836	56.1	-	60.3	3	40
Excel 163	55.0	52.9	58.1	1	39

NOVELTY, MO (KNOX COUNTY) - NORTH REGION

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Excel 168	54.6	52.5	60.6	2	39
Merschman Julie VII	53.4	-	60.3	1	39
Syngenta SY1526	50.2	-	54.6	1	37
Merschman Millie III	46.4	-	58.0	1	37
Merschman Katie XI	46.0	-	56.9	1	39
GRAND MEAN	68.3	61.6	58.1	1	37
LSD (10%)	6.2	4.6	0.8		
CV (%)	7.1	7.5	1.1		

***Highest yielding variety in test*

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

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

COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

SOIL TYPE: Mexico Silt Loam

SOIL TEST: pH=5.5, OM=2.5%, P=40, K=190

RAINFALL: Oct=1.0,Nov=3.8,Dec=2.7,Jan=1.0,Feb=2.2,Mar=4.4,Apr=6.7,May=0.4

TOTAL SEASON RAINFALL = 22.2"

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
AgriMaxx 413	77.1**	73.5**	54.4	1	36
Pioneer 25R32	76.5*	71.8*	57.8	2	39
Pioneer 25R39	75.8*	69.2	56.5	3	39
Dyna-Gro 9171	75.3*	72.4*	55.1	1	35
Merschman Barbie VIII	73.8*	-	54.6	2	36
Direct DW Quest	72.2	65.5	55.5	1	40
ProHarvest 311	71.4	-	55.6	2	38
MFA 2525	71.3	66.4	55.4	2	41
Lewis 829	70.5	-	55.1	1	41
Pioneer 25R40	70.0	-	56.9	1	36
Dyna-Gro 9053	69.8	62.9	53.0	2	36
AgriMaxx 415	69.7	65.9	57.6	1	39
Bess	68.8	64.8	58.2	3	42
Direct DW Edge	66.9	-	56.7	3	43
Excel 163	66.1	58.7	57.3	1	38
WestBred WBX-700	66.1	-	56.2	2	37
Syngenta W1104	66.1	69.9	53.4	3	37
Willcross 752	66.0	65.1	57.4	1	36
Syngenta BO5*0154	65.6	-	53.9	1	38
Merschman Millie III	65.4	-	57.1	1	40
Truman	65.3	64.4	54.6	2	39
MO 081652	64.9	-	59.3	1	41
MFA 2911	64.6	-	57.3	1	37
ProHarvest 207	64.2	-	58.3	1	40
Merschman Genie X	64.1	-	57.2	1	36
Direct DW Sienna	63.9	70.2	55.1	1	41
Willcross 732	63.8	-	57.5	1	38
Merschman Bintee VIII	63.7	-	57.4	2	40
MO 080104	63.6	63.5	59.0	2	40
Lewis 842	62.5	59.6	56.4	1	41
Proharvest 363	62.3	-	54.9	1	43
Roane	61.6	-	58.2	2	38
Excel 442	60.6	59.3	54.9	1	40
VA 08W-294	59.2	-	55.9	1	38
Merschman Julie VII	58.8	-	58.4	4	42
AgriMaxx Exp1220	58.2	-	57.0	3	39
Milton	57.9	62.4	55.8	4	41
Lewis 836	57.9	-	56.4	2	38
MFA 2018	57.6	-	55.6	1	41
Syngenta Oakes	56.6	59.4	57.8	3	38

COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

Brand/Variety	2012 Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Jamestown	56.3	56.5	58.1	1	35
Excel 168	55.9	54.2	57.7	4	40
VA 06W-412	53.0	-	53.6	1	37
Syngenta SY1526	45.9	-	51.9	2	39
Merschman Katie XI	44.4	-	54.5	4	40
GRAND MEAN	63.8	64.6	56.1	2	39
LSD (10%)	4.4	3.0	0.9		
CV (%)	5.4	4.9	1.2		

***Highest yielding variety in test*

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

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

NORTH REGION SUMMARY

TRENTON

Planted: 10-03

Harvested: 06-20

Growing Season Rain: 18.0"

NOVELTY

Planted: 10-03

Harvested: 06-20

Growing Season Rain: 23.2"

COLUMBIA

Planted: 10-21

Harvested: 06-18

Growing Season Rain: 22.2"

Brand/Variety	Trenton Bu/Ac	Novelty Bu/Ac	Columbia Bu/Ac	Mean Bu/Ac
Dyna-Gro 9171	79.3*	85.1**	75.3*	79.9**
Merschman Barbie VIII	79.2*	84.6*	73.8*	79.1*
Pioneer 25R39	80.0**	80.7*	75.8*	78.8*
AgriMaxx 413	73.6*	77.3	77.1**	76.0
MFA 2525	75.2*	80.6*	71.3	75.7
Pioneer 25R32	70.8	74.3	76.5*	73.8
Pioneer 25R40	68.3	82.8*	70.0	73.7
Lewis 829	71.1	79.3*	70.5	73.6
Direct DW Quest	73.8*	73.5	72.2	73.1
Merschman Genie X	76.6*	76.5	64.1	72.4
AgriMaxx 415	70.2	76.8	69.7	72.2
ProHarvest 311	73.3*	71.1	71.4	71.9
Excel 442	76.4*	78.5	60.6	71.8
Dyna-Gro 9053	75.1*	70.1	69.8	71.6
Proharvest 363	69.9	82.5*	62.3	71.5
Willcross 752	74.7*	72.7	66.0	71.1
Syngenta BO5*0154	71.7	72.4	65.6	69.9
WestBred WBX-700	76.2*	67.5	66.1	69.9
Direct DW Sienna	71.4	73.0	63.9	69.4
Syngenta W1104	67.1	71.9	66.1	68.3
Direct DW Edge	67.4	70.5	66.9	68.2
Bess	66.6	69.1	68.8	68.1
Merschman Bintee VIII	71.3	68.6	63.7	67.8
MO 081652	68.4	69.7	64.9	67.6
Syngenta Oakes	71.2	74.3	56.6	67.3
MFA 2911	66.5	70.7	64.6	67.2
Lewis 842	66.4	71.8	62.5	66.9
Truman	67.4	65.3	65.3	66.0
Milton	69.1	70.1	57.9	65.7
MO 080104	63.3	67.0	63.6	64.6
ProHarvest 207	67.9	60.7	64.2	64.2
Willcross 732	63.9	64.4	63.8	64.0
VA 06W-412	73.5*	63.7	53.0	63.4
VA 08W-294	65.8	65.4	59.2	63.4
Roane	65.9	61.3	61.6	62.9
AgriMaxx Exp1220	62.2	59.4	58.2	59.9
Excel 163	55.2	55.0	66.1	58.7
MFA 2018	59.4	58.4	57.6	58.4
Jamestown	54.5	61.2	56.3	57.3
Lewis 836	54.9	56.1	57.9	56.3

NORTH REGION SUMMARY

Brand/Variety	Trenton Bu/Ac	Novelty Bu/Ac	Columbia Bu/Ac	Mean Bu/Ac
Excel 168	57.2	54.6	55.9	55.9
Merschman Julie VII	55.3	53.4	58.8	55.8
Merschman Millie III	54.5	46.4	65.4	55.4
Syngenta SY1526	63.6	50.2	45.9	53.2
Merschman Katie XI	68.3	46.0	44.4	52.8
GRAND MEAN	68.3	68.3	63.8	66.8
LSD (10%)	7.2	6.2	4.4	3.5
CV (%)	7.8	7.1	5.4	6.7

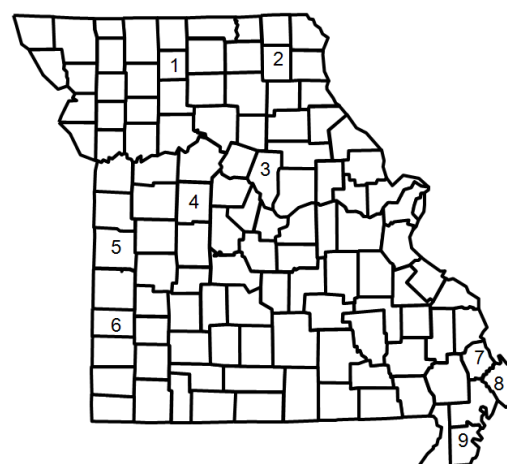
***Highest yielding variety in test*

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

SOUTHWEST REGION CROP MANAGEMENT SUMMARY

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

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



These three were planted timely, and soil conditions were good for rapid emergence. Winter survival was excellent. Rainfall was erratic for the growing season, coming mostly in a few heavy rain events. Weather and cultural practices are provided below. A foliar fungicide was applied at the Hughesville and Lamar locations. An insecticide was applied to control aphids at Lamar.

Average temperature (October through May) = 51.4 degrees, 8.3 degrees above normal
 Total precipitation (October through May) = 25.4 inches, 2.0 inches above normal

CULTURAL PRACTICES: SOUTHWEST REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicide/Insecticides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
	---pounds/acre---								
Hughesville	Oct 21	June 15	110	0	45	Conv.	None	Harmony	Stratigo/None
Adrian	Oct 12	June 13	115	0	0	Conv.	None	Harmony	None/None
Lamar	Oct 12	June 6	90	80	90	Conv.	None	Harmony	Headline/Hero

HUGHESVILLE, MO (PETTIS COUNTY) - SOUTHWEST REGION

SOIL TYPE: Arispe Silt Loam SOIL TEST: pH=5.9, OM=2.3%, P=124, K=294

RAINFALL: Oct=0.9, Nov=5.5, Dec=2.6, Jan=0.6, Feb=2.5, Mar=4.6, Apr=5.5, May=1.2 TOTAL SEASON RAINFALL = 23.4"

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Merschman Barbie VIII	75.0**	-	59.4	1	33
Medoc Valley MVI-16	74.4*	-	57.9	1	32
WestBred WBX-700	72.5*	-	60.2	1	37
Pioneer 25R39	72.4*	68.3*	59.8	1	35
MFA 2525	72.0*	68.3*	59.9	1	39
ProHarvest 311	71.8*	-	58.9	1	37
Pioneer 25R40	71.5*	-	61.2	1	34
Syngenta BO5*0154	70.7*	-	59.2	1	33
Merschman Genie X	69.6	-	61.3	1	36
AgriMaxx 413	68.7	73.6**	58.3	1	33
Truman	68.5	62.7	59.3	1	40
Syngenta W1104	68.3	67.9	58.5	2	35
Pioneer 25R32	68.3	66.1	61.0	1	35
Lewis 829	68.2	-	58.4	1	40
Proharvest 363	66.3	-	59.1	1	40
Jamestown	65.5	63.1	61.0	1	32
Bess	65.0	63.1	60.0	2	37
Direct DW Sienna	64.8	67.5	58.3	1	37
Milton	64.7	65.2	61.5	1	39
Merschman Bintee VIII	64.6	-	59.8	2	37
AgriMaxx 415	64.1	64.7	60.3	1	35
MO 080104	64.0	67.2	60.8	1	38
Medoc Valley MVI-13	63.9	-	58.7	1	34
Direct DW Edge	63.9	-	59.5	1	39
MFA 2911	63.3	-	61.0	1	34
Direct DW Quest	62.8	62.0	58.1	1	37
MO 081652	62.3	-	61.3	1	38
Roane	62.0	-	61.1	1	35
Syngenta Oakes	60.7	60.1	60.5	1	36
Merschman Katie XI	60.2	-	59.6	1	37
Lewis 842	59.9	61.9	59.1	1	39
ProHarvest 207	59.5	-	60.6	1	37
Syngenta SY1526	59.2	-	57.5	1	37
VA 08W-294	57.7	-	59.4	2	36
AgriMaxx Exp1220	57.3	-	60.4	1	37
Merschman Millie III	57.0	-	59.7	1	34
VA 06W-412	55.8	-	59.4	1	33
MFA 2018	54.3	-	59.7	1	37
Merschman Julie VII	53.9	-	60.6	1	37
Medoc Valley MVI-31	46.3	-	47.8	1	38
GRAND MEAN	64.6	65.4	59.4	1	36
LSD (10%)	5.0	3.7	0.9		
CV (%)	5.7	6.0	1.1		

**Highest yielding variety in test

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

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

ADRIAN, MO (BATES COUNTY) - SOUTHWEST REGION

SOIL TYPE: Kenoma Silt Loam SOIL TEST: pH=6.6, OM=2.7%, P=100, K=268

RAINFALL: Oct=0.9,Nov=5.5,Dec=2.6,Jan=0.6,Feb=2.5,Mar=4.6,Apr=5.5,May=1.7

TOTAL SEASON RAINFALL = 23.9"

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 25R40	71.6**	-	58.7	1	32
Lewis 829	71.1*	-	56.1	1	38
MFA 2525	69.9*	70.2	57.8	1	39
Milton	69.2	74.2**	58.6	1	38
AgriMaxx 413	69.1	72.7*	56.0	1	32
MO 081652	68.5	-	60.0	1	35
AgriMaxx 415	68.5	73.7*	59.0	1	32
Merschman Genie X	68.2	-	59.7	1	33
Syngenta BO5*0154	67.3	-	56.2	1	34
MO 080104	67.1	68.5	60.1	1	37
Pioneer 25R32	65.4	71.3	58.8	1	35
Syngenta Oakes	64.7	70.2	59.5	1	34
Merschman Barbie VIII	64.6	-	56.1	1	28
WestBred WBX-700	64.4	-	57.6	1	35
Direct DW Edge	64.3	-	57.9	1	35
Proharvest 363	64.2	-	57.7	1	38
Direct DW Quest	64.1	64.0	56.2	1	36
MFA 2911	64.1	-	58.4	1	33
Jamestown	63.9	71.3	59.5	1	33
ProHarvest 311	63.7	-	56.2	1	37
Merschman Bintee VIII	63.3	-	58.1	1	38
Direct DW Sienna	63.3	73.0*	56.4	1	38
Pioneer 25R39	63.1	69.0	57.3	1	37
Syngenta W1104	63.0	65.8	55.8	1	35
Bess	61.1	66.6	59.3	1	36
Lewis 842	60.7	64.7	57.4	1	38
Medoc Valley MVI-16	60.4	-	55.0	1	32
Roane	60.0	-	59.4	1	33
Merschman Millie III	59.9	-	58.4	1	35
ProHarvest 207	59.3	-	58.7	1	37
VA 08W-294	59.0	-	57.6	1	34
AgriMaxx Exp1220	58.9	-	58.7	1	37
MFA 2018	58.8	-	57.2	1	34
Truman	55.5	59.1	57.5	1	37
Medoc Valley MVI-13	55.0	-	56.1	1	31
Merschman Julie VII	54.8	-	59.4	1	36
Merschman Katie XI	52.6	-	57.7	1	37
Syngenta SY1526	52.4	-	54.1	1	37
VA 06W-412	52.4	-	56.3	1	34
Medoc Valley MVI-31	33.7	-	50.1	1	39
GRAND MEAN	61.9	68.9	57.4	1	35
LSD (10%)	4.7	2.7	0.9		
CV (%)	5.6	4.4	1.1		

**Highest yielding variety in test

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

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

LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

SOIL TYPE: Parsons Silt Loam SOIL TEST: pH=6.9, OM=2.7%, P=66, K=342

RAINFALL: Oct=0.8,Nov=5.4,Dec=2.6,Jan=0.1,Feb=2.6,Mar=5.8,Apr=7.6,May=4.1

TOTAL SEASON RAINFALL = 29.0"

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Medoc Valley MVI-16	77.1**	-	57.0	2	36
Pioneer 25R40	73.1*	-	57.1	1	37
Medoc Valley MVI-13	71.5*	-	57.4	1	37
MFA 2525	67.1	57.4*	57.8	1	43
Lewis 829	62.4	-	55.4	3	42
Truman	58.9	56.7*	57.9	2	40
WestBred WBX-700	57.8	-	56.7	3	38
MO 081652	57.5	-	58.5	2	40
Direct DW Sienna	57.4	56.7*	55.9	1	42
AgriMaxx 413	57.4	61.3**	52.5	3	36
Merschman Barbie VIII	56.8	-	51.9	2	35
Bess	56.7	54.4	56.9	3	40
Pioneer 25R39	56.1	52.7	56.4	2	38
VA 08W-294	55.9	-	57.1	1	37
Merschman Genie X	55.3	-	54.7	3	39
Syngenta BO5*0154	55.0	-	52.5	2	37
Proharvest 363	54.8	-	56.5	1	41
Milton	54.6	54.8	56.1	3	39
AgriMaxx 415	52.7	56.8*	55.3	3	37
Syngenta Oakes	52.1	50.1	56.8	1	38
Direct DW Quest	51.8	46.4	56.5	3	37
MFA 2911	51.5	-	54.8	2	36
MO 080104	51.1	52.7	57.3	3	41
Pioneer 25R32	50.6	52.9	55.9	3	35
MFA 2018	49.8	-	56.5	3	38
Syngenta W1104	49.8	49.8	54.6	3	35
Merschman Katie XI	48.7	-	56.4	3	40
Jamestown	48.3	48.0	57.1	1	36
Merschman Julie VII	48.1	-	58.6	3	39
Lewis 842	47.6	46.4	56.1	2	37
AgriMaxx Exp1220	47.0	-	55.4	3	39
Roane	46.9	-	56.2	2	38
VA 06W-412	46.8	-	53.6	3	38
ProHarvest 207	46.4	-	55.2	3	39
Direct DW Edge	45.4	-	55.4	2	39
ProHarvest 311	44.9	-	51.1	3	39
Merschman Millie III	42.8	-	55.7	4	39
Merschman Bintee VIII	38.2	-	52.2	3	36
Medoc Valley MVI-31	28.0	-	43.6	1	40
Syngenta SY1526	26.5	-	48.0	4	38
GRAND MEAN	52.2	53.1	55.1	2	38
LSD (10%)	8.9	5.0	1.6		
CV (%)	12.6	10.0	2.1		

**Highest yielding variety in test

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

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

SOUTHWEST REGION SUMMARY

HUGHESVILLE

Planted: 10-21

Harvested: 06-15

Growing Season Rain: 23.4"

ADRIAN

Planted: 10-12

Harvested: 06-13

Growing Season Rain: 23.9"

LAMAR

Planted: 10-12

Harvested: 06-06

Growing Season Rain: 29.0"

Brand/Variety	Hughesville Bu/Ac	Adrian Bu/Ac	Lamar Bu/Ac	Mean Bu/Ac
Pioneer 25R40	71.5*	71.6**	73.1*	72.0**
Medoc Valley MVI-16	74.4*	60.4	77.1**	70.6*
MFA 2525	72.0*	69.9*	67.1	69.6*
Lewis 829	68.2	71.1*	62.4	67.2
Merschman Barbie VIII	75.0**	64.6	56.8	65.4
AgriMaxx 413	68.7	69.1	57.4	65.0
WestBred WBX-700	72.5*	64.4	57.8	64.9
Merschman Genie X	69.6	68.2	55.3	64.3
Syngenta BO5*0154	70.7*	67.3	55.0	64.3
Pioneer 25R39	72.4*	63.1	56.1	63.8
Medoc Valley MVI-13	63.9	55.0	71.5*	63.4
Milton	64.7	69.2	54.6	62.8
MO 081652	62.3	68.5	57.5	62.7
Direct DW Sienna	64.8	63.3	57.4	61.8
AgriMaxx 415	64.1	68.5	52.7	61.7
Proharvest 363	66.3	64.2	54.8	61.7
Pioneer 25R32	68.3	65.4	50.6	61.4
Bess	65.0	61.1	56.7	60.9
Truman	68.5	55.5	58.9	60.9
MO 080104	64.0	67.1	51.1	60.7
Syngenta W1104	68.3	63.0	49.8	60.3
ProHarvest 311	71.8*	63.7	44.9	60.1
MFA 2911	63.3	64.1	51.5	59.6
Direct DW Quest	62.8	64.1	51.8	59.5
Jamestown	65.5	63.9	48.3	59.2
Syngenta Oakes	60.7	64.7	52.1	59.1
Direct DW Edge	63.9	64.3	45.4	57.8
VA 08W-294	57.7	59.0	55.9	57.5
Roane	62.0	60.0	46.9	56.3
Lewis 842	59.9	60.7	47.6	56.0
Merschman Bintee VIII	64.6	63.3	38.2	55.3
ProHarvest 207	59.5	59.3	46.4	55.0
AgriMaxx Exp1220	57.3	58.9	47.0	54.4
MFA 2018	54.3	58.8	49.8	54.3
Merschman Katie XI	60.2	52.6	48.7	53.8

SOUTHWEST REGION SUMMARY

Brand/Variety	Hughesville Bu/Ac	Adrian Bu/Ac	Lamar Bu/Ac	Mean Bu/Ac
Merschman Millie III	57.0	59.9	42.8	53.2
Merschman Julie VII	53.9	54.8	48.1	52.2
VA 06W-412	55.8	52.4	46.8	51.6
Syngenta SY1526	59.2	52.4	26.5	46.0
Medoc Valley MVI-31	46.3	33.7	28.0	36.0
GRAND MEAN	64.6	61.9	52.2	59.5
LSD (10%)	5.0	4.7	8.9	3.7
CV (%)	5.7	5.6	12.6	7.9

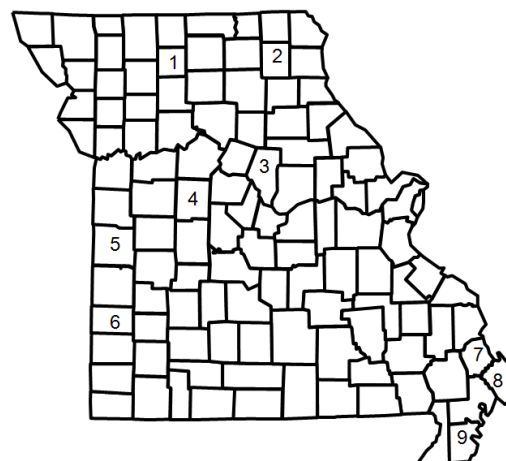
**Highest yielding variety in test

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

SOUTHEAST REGION CROP MANAGEMENT SUMMARY

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

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



Precipitation after planting was plentiful. Excessive rainfall throughout winter and early spring decreased stands and plant health at the Portageville location, so that site was abandoned. Weather and cultural practices are provided below. A foliar fungicide was applied at the Chaffee and Charleston locations. An insecticide was applied at the Chaffee location to control aphids.

Average temperature (October through May) = 54.1 degrees, 6.0 degrees above normal
 Total precipitation (October through May) = 31.8 inches, 1.7 inches below normal

CULTURAL PRACTICES: SOUTHEAST REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicide/Insecticides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
----pounds/acre----									
Chaffee	Oct 17	May 30	100	0	0	Conv.	None	Harmony	Prosaro/Karate
Charleston	Oct 17	May 31	150	45	60	Conv.	None	Harmony	Headline/None

CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

SOIL TYPE: Commerce Silt Loam SOIL TEST: pH=5.7; OM=2.5; P=138; K=334

RAINFALL: Oct=1.6,Nov=10.5,Dec=6.3,Jan=3.1,Feb=2.3,Mar=3.2,Apr=0.9,May=0.9 TOTAL SEASON RAINFALL = 28.8"

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Dyna-Gro 9053	90.0**	80.6**	57.7	1	35
AGS 2035	84.8*	-	61.8	1	36
Terral TV8626	82.5	80.4*	57.9	1	35
Milton	80.8	71.7	61.5	1	35
Terral TV8848	80.7	78.7*	59.4	1	34
Armor ARX1109	80.5	-	58.7	1	34
AGS 2056	80.4	-	59.4	1	37
AgriMaxx 413	80.0	76.7	59.3	1	34
Pioneer 26R20	79.9	73.0	61.4	1	36
Armor ARX1107	79.8	-	59.6	1	37
Dixie McAlister	79.4	76.2	59.2	1	32
Pioneer XW10T	79.1	-	60.7	1	32
Progeny 357	78.8	-	57.7	1	36
Pioneer 25R56	78.8	71.8	59.3	1	34
USG 3562	78.6	-	60.4	1	36
Terral TV8861	78.5	74.9	59.7	1	34
Delta Grow 7300	78.2	-	56.8	1	36
Terral TV8535	78.2	76.3	59.0	1	34
Pioneer 26R15	78.1	70.0	60.0	1	37
Merschman Barbie VIII	77.8	-	59.5	1	34
Merschman Genie X	77.6	-	61.3	1	33
USG 3251	77.4	77.6*	60.1	1	36
Terral TV8525	77.4	72.0	60.2	1	33
Dyna-Gro 9171	76.5	77.5*	59.7	1	34
Pioneer 26R10	76.4	-	59.4	1	39
USG 3555	76.3	73.9	60.1	1	37
Dixie Exp1112	76.3	-	58.7	1	37
Syngenta BO5*0154	75.9	-	58.2	1	38
USG 3438	75.9	75.4	59.3	1	33
AgriMaxx 415	75.8	70.7	61.2	1	37
MFA 2911	75.4	-	61.0	1	35
Armor ARX1175	75.3	-	58.6	1	36
Syngenta Oakes	75.3	70.1	61.3	1	38
Pioneer XW10V	75.2	-	60.1	1	37
Armor Ricochet	75.0	76.1	39.3	1	32
Delta Grow 8600Exp	74.1	-	60.5	1	35
Merschman Bintee VIII	73.9	-	59.2	1	39
Dixie Kelsey	73.9	71.7	60.9	1	36
Progeny 870	73.9	-	59.3	1	37
Pioneer 25R32	73.9	70.8	60.9	1	33

CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Syngenta W1104	73.1	72.1	58.8	1	37
MFA 2525	73.0	-	59.9	1	39
Progeny PGX11-14	72.7	-	58.6	1	38
Pioneer 25R78	72.7	70.0	61.4	1	33
Pioneer 26R22	72.6	68.3	61.8	1	35
WestBred WBX-700	71.7	-	59.1	1	36
Progeny PGX11-8	71.2	-	60.1	1	37
Progeny 117	70.8	66.3	59.4	1	37
Truman	69.8	66.5	56.7	1	32
Bess	69.7	67.9	60.9	1	39
Syngenta SY9978	69.3	68.3	59.0	1	39
MO 080104	68.9	63.1	61.5	1	40
Delta Grow 7500	68.8	71.8	59.4	1	34
Merschman Millie III	68.7	-	61.5	1	37
Roane	68.3	-	62.1	1	33
Armor ARX1133	67.8	-	59.2	1	34
Direct DW Sienna	67.6	69.0	58.6	1	37
MO 081652	66.8	-	61.6	1	41
Jamestown	66.8	62.7	61.5	1	37
Delta Grow 8300	66.5	59.4	59.6	1	37
VA 06W-412	66.2	-	59.8	1	36
Merschman Julie VII	65.7	-	61.8	1	37
Progeny 125	65.7	62.1	59.2	1	34
Direct DW Quest	65.0	64.2	58.2	1	38
VA 08W-294	64.1	-	60.1	1	37
Merschman Katie XI	63.9	-	60.8	1	38
Direct DW Edge	63.7	-	58.9	1	37
Progeny 185	63.5	63.9	59.2	1	39
MFA 2018	62.1	-	60.6	1	39
AgriMaxx Exp1220	60.5	-	60.7	1	39
Syngenta SY1526	59.3	-	58.4	1	34
Delta Grow 7900	58.1	63.3	61.0	1	40
AGS 2026	47.5	-	60.4	1	35
GRAND MEAN	72.5	70.9	59.4	1	36
LSD (10%)	5.6	3.4	5.2		
CV (%)	5.7	5.0	6.4		

**Highest yielding variety in test

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

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

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

SOIL TYPE: Dundee Silt Loam SOIL TEST: pH=5.4, OM=1.3, P=26, K=178

RAINFALL: Oct=1.8,Nov=10.1,Dec=6.3,Jan=3.4,Feb=1.8,Mar=4.1,Apr=0.7,May=3.2 TOTAL SEASON RAINFALL = 31.4"

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 26R10	66.2**	-	62.0	1	35
Progeny PGX11-14	66.2*	-	58.5	1	35
USG 3251	65.0*	76.2**	59.6	1	35
Armor ARX1175	63.8*	-	57.5	1	34
Terral TV8848	63.1*	73.9*	58.9	1	29
Armor ARX1109	62.5*	-	58.0	1	32
Syngenta BO5*0154	61.7*	-	55.4	1	34
Dixie Exp1112	61.3*	-	58.2	1	37
AgriMaxx 413	61.3*	75.8*	58.2	1	31
WestBred WBX-700	60.7*	-	58.1	1	33
AgriMaxx 415	60.6*	66.5	60.7	1	31
Delta Grow 7300	60.3*	-	56.9	1	31
Pioneer 26R20	60.0*	70.1	60.6	1	33
Armor ARX1107	59.8	-	59.5	1	29
Armor Ricochet	59.7	74.5*	58.7	1	30
Progeny 357	59.6	-	57.3	1	34
Pioneer 26R22	59.5	71.2	60.8	1	34
Armor ARX1133	59.5	-	57.7	1	30
Terral TV8535	59.4	74.1*	58.5	1	29
Dixie McAlister	59.1	73.1*	59.0	1	31
Delta Grow 7500	58.8	74.1*	58.3	1	30
Dyna-Gro 9053	58.4	71.1	56.8	1	33
MFA 2911	58.3	-	62.1	1	34
Syngenta W1104	58.2	68.9	58.1	1	35
Terral TV8861	58.2	67.8	59.5	1	33
Direct DW Edge	57.7	-	59.0	1	36
Merschman Barbie VIII	57.4	-	58.0	1	27
VA 08W-294	57.1	-	59.9	1	34
Pioneer XW10V	56.9	-	59.7	1	33
Pioneer XW10T	56.7	-	58.9	1	30
Merschman Genie X	56.6	-	59.7	1	31
Pioneer 26R15	56.6	66.9	59.7	1	34
Merschman Katie XI	56.5	-	60.0	1	35
Milton	56.4	67.9	59.1	1	34
Merschman Julie VII	56.3	-	62.8	1	36
Terral TV8525	56.1	66.2	59.8	1	30
Terral TV8626	55.9	70.6	57.6	1	31
Progeny 870	55.7	-	58.0	1	29
Roane	55.7	-	61.6	1	30
MO 080104	55.6	63.2	59.8	1	33

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
AGS 2035	55.6	-	59.7	1	37
USG 3555	55.5	70.3	58.7	1	29
Pioneer 25R78	55.4	71.6	59.8	1	32
Syngenta SY1526	55.3	-	58.0	1	33
MFA 2525	55.1	-	60.7	1	39
Dixie Kelsey	54.7	65.3	60.6	1	33
USG 3438	54.7	74.7*	56.9	1	30
AgriMaxx Exp1220	54.7	-	61.0	1	33
Syngenta SY9978	54.5	66.2	58.8	1	33
Progeny 185	54.5	66.4	57.1	1	33
Dyna-Gro 9171	54.4	70.5	57.6	1	29
VA 06W-412	54.3	-	59.5	1	29
AGS 2056	54.2	-	58.6	1	31
USG 3562	54.2	-	60.2	1	31
Syngenta Oakes	53.6	66.9	60.2	1	35
Pioneer 25R56	53.5	64.1	58.8	1	28
Direct DW Quest	53.0	68.8	57.3	1	34
Merschman Bintee VIII	52.8	-	58.1	1	36
Bess	52.5	63.9	60.0	1	34
Truman	52.2	59.7	*	1	39
MO 081652	52.2	-	60.3	1	32
Delta Grow 7900	52.1	68.7	60.0	1	30
Delta Grow 8600Exp	52.0	-	60.9	1	29
Direct DW Sienna	51.5	64.5	57.4	1	37
Progeny PGX11-8	51.1	-	59.1	1	32
Pioneer 25R32	50.8	66.0	59.9	1	34
Merschman Millie III	49.7	-	59.8	1	33
Jamestown	47.0	58.5	61.4	1	29
MFA 2018	44.3	-	59.5	1	32
Progeny 117	44.3	60.7	59.6	1	34
AGS 2026	42.6	-	59.8	1	27
Delta Grow 8300	42.0	49.3	57.1	1	32
Progeny 125	36.3	57.7	57.2	1	28
GRAND MEAN	55.4	67.7	58.5	1	32
LSD (10%)	6.2	4.4	4.6		
CV (%)	8.2	7.3	5.8		

**Highest yielding variety in test

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

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

SOUTHEAST REGION SUMMARY

CHAFFEE

Planted: 10-17

Harvested: 05-30

Growing Season Rain: 28.8"

CHARLESTON

Planted: 10-17

Harvested: 05-31

Growing Season Rain: 31.4"

Brand/Variety	Chaffee Bu/Ac	Charleston Bu/Ac	Mean Bu/Ac
Dyna-Gro 9053	90.0**	58.4	74.2**
Terral TV8848	80.7	63.1*	71.9*
Armor ARX1109	80.5	62.5*	71.5*
Pioneer 26R10	76.4	66.2**	71.3*
USG 3251	77.4	65.0*	71.2*
AgriMaxx 413	80.0	61.3*	70.6*
AGS 2035	84.8*	55.6	70.2
Pioneer 26R20	79.9	60.0*	70.1
Armor ARX1107	79.8	59.8	69.8
Armor ARX1175	75.3	63.8*	69.5
Progeny PGX11-14	72.7	66.2*	69.4
Delta Grow 7300	78.2	60.3*	69.2
Dixie McAlister	79.4	59.1	69.2
Progeny 357	78.8	59.6	69.2
Terral TV8626	82.5	55.9	69.2
Dixie Exp1112	76.3	61.3*	68.8
Syngenta BO5*0154	75.9	61.7*	68.8
Terral TV8535	78.2	59.4	68.8
Milton	80.8	56.4	68.6
Terral TV8861	78.5	58.2	68.3
AgriMaxx 415	75.8	60.6*	68.2
Pioneer XW10T	79.1	56.7	67.9
Merschman Barbie VIII	77.8	57.4	67.6
AGS 2056	80.4	54.2	67.3
Armor Ricochet	75.0	59.7	67.3
Pioneer 26R15	78.1	56.6	67.3
Merschman Genie X	77.6	56.6	67.1
MFA 2911	75.4	58.3	66.8
Terral TV8525	77.4	56.1	66.7
USG 3562	78.6	54.2	66.4
Pioneer 25R56	78.8	53.5	66.1
WestBred WBX-700	71.7	60.7*	66.1
Pioneer 26R22	72.6	59.5	66.0
Pioneer XW10V	75.2	56.9	66.0
USG 3555	76.3	55.5	65.9
Syngenta W1104	73.1	58.2	65.6
Dyna-Gro 9171	76.5	54.4	65.4
USG 3438	75.9	54.7	65.3
Progeny 870	73.9	55.7	64.8
Syngenta Oakes	75.3	53.6	64.4

SOUTHEAST REGION SUMMARY

Brand/Variety	Chaffee Bu/Ac	Charleston Bu/Ac	Mean Bu/Ac
Dixie Kelsey	73.9	54.7	64.3
MFA 2525	73.0	55.1	64.0
Pioneer 25R78	72.7	55.4	64.0
Delta Grow 7500	68.8	58.8	63.8
Armor ARX1133	67.8	59.5	63.6
Merschman Bintee VIII	73.9	52.8	63.3
Delta Grow 8600Exp	74.1	52.0	63.0
Pioneer 25R32	73.9	50.8	62.3
MO 080104	68.9	55.6	62.2
Roane	68.3	55.7	62.0
Syngenta SY9978	69.3	54.5	61.9
Bess	69.7	52.5	61.1
Progeny PGX11-8	71.2	51.1	61.1
Merschman Julie VII	65.7	56.3	61.0
Truman	69.8	52.2	61.0
Direct DW Edge	63.7	57.7	60.7
VA 08W-294	64.1	57.1	60.6
Merschman Katie XI	63.9	56.5	60.2
VA 06W-412	66.2	54.3	60.2
Direct DW Sienna	67.6	51.5	59.5
MO 081652	66.8	52.2	59.4
Merschman Millie III	68.7	49.7	59.2
Direct DW Quest	65.0	53.0	59.0
Progeny 185	63.5	54.5	58.9
AgriMaxx Exp1220	60.5	54.7	57.6
Progeny 117	70.8	44.3	57.5
Syngenta SY1526	59.3	55.3	57.3
Jamestown	66.8	47.0	56.9
Delta Grow 7900	58.1	52.1	55.1
Delta Grow 8300	66.5	42.0	54.2
MFA 2018	62.1	44.3	53.2
Progeny 125	65.7	36.3	50.9
AGS 2026	47.5	42.6	45.0
GRAND MEAN	72.5	55.4	64.0
LSD (10%)	5.6	6.2	3.9
CV (%)	5.7	8.2	6.4

***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 2012 MU VARIETY TESTING PROGRAM

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

Variety	Maturity ¹	Head Type ²	Winter Hardy ³	Hessian Fly ⁴	FHB ⁵	Stem Rust ⁶	Leaf Rust ⁷	BYDV ⁸	Seed Treatment ⁹
AgriMaxx 413	M	A	E	I	3	n/i	2	2	1, 3
AgriMaxx 415	M	A	E	I	2	n/i	3	2	1, 3
AgriMaxx Exp1220	E	U	E	I	2	4	5	4	1, 3
AGS 2026	M	U	G	R	n/i	n/i	4	6	1, 2
AGS 2035	M	A	G	R	n/i	n/i	4	6	1, 2
AGS 2056	M	A	E	n/i	3	3	3	2	1, 2
Armor ARX1107	M	A	n/i	n/i	4	4	5	n/i	3
Armor ARX1109	M	A	n/i	n/i	4	4	4	4	3
Armor ARX1133	M	A	n/i	n/i	4	n/i	2	4	3
Armor ARX1175	M	U	n/i	n/i	4	4	4	4	3
Armor Ricochet	M	A	E	n/i	4	4	4	n/i	3
Bess	E	U	G	S	1	7	7	5	3, 6
DeltaGrow 7300	M	A	E	S	3	3	3	4	1, 3
DeltaGrow 7500	M	A	E	S	3	2	2	2	1, 3
DeltaGrow 7900	M	U	E	S	3	3	3	5	1, 3
DeltaGrow 8300	M	A	E	S	4	4	4	3	1, 3
DeltaGrow 8600Exp	M	A	G	S	4	3	3	2	1, 3
Direct DW Edge	M	U	E	I	3	3	2	3	3
Direct DW Quest	M	U	E	I	3	3	2	3	12, 18, 11
Direct DW Sienna	M	U	E	I	3	3	2	3	12, 18, 11
Dixie Exp1112	M	U	E	n/i	n/i	3	3	3	1, 2
Dixie Kelsey	M	A	E	n/i	n/i	n/i	2	2	1, 2
Dixie McAlister	M	A	E	n/i	n/i	n/i	2	3	1, 2
Dyna-Gro 9053	E	A	E	S	3	3	2	2	16, 14
Dyna-Gro 9171	M	A	E	S	4	3	4	4	16, 14
Excel 163	E	A	G	I	4	4	2	1	3, 15
Excel 168	E	U	E	I	1	3	3	1	3, 15
Excel 442	M	A	E	I	4	6	2	3	3, 15
Jamestown	E	A	E	R	1	1	2	1	7, 8
Lewis 829	M	U	E	I	4	3	1	4	3
Lewis 836	E	U	E	I	2	2	2	3	3
Lewis 842	M	U	E	I	4	3	1	4	3
Medoc Valley MVI-13	M	U	E	S	5	6	4	7	5, 10
Medoc Valley MVI-16	L	A	E	S	5	2	3	5	5, 10
Medoc Valley MVI-31	L	A	G	S	4	5	6	9	5, 10

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE
2012 MU VARIETY TESTING PROGRAM**

Variety	Maturity ¹	Head Type ²	Winter Hardy ³	Hessian Fly ⁴	FHB ⁵	Stem Rust ⁶	Leaf Rust ⁷	BYDV ⁸	Seed Treatment ⁹
Merschman Barbie VIII	M	A	E	S	3	4	4	4	4, 13, 17
Merschman Bintee VIII	E	U	E	S	4	4	3	3	4, 13, 17
Merschman Genie X	M	A	E	S	3	4	3	4	4, 13, 17
Merschman Julie VII	E	U	E	S	2	4	3	4	1, 3
Merschman Katie XI	M	U	E	S	3	4	2	4	4, 13, 17
Merschman Millie III	E	A	E	S	3	4	3	3	3, 8
MFA 2018	M	U	E	I	4	5	5	3	1, 2
MFA 2525	L	A	E	I	3	5	4	2	1, 2
MFA 2911	M	A	E	I	2	5	3	4	1, 2
Milton	E	A	G	S	5	5	5	5	3, 6
MO 080104	M	U	G	S	3	7	5	5	3, 6
MO 081652	M	U	G	S	3	7	5	5	3, 6
Pioneer 25R32	M	A	G	R	5	2	5	n/i	3, 4
Pioneer 25R32	M	A	G	R	3	n/i	5	n/i	3
Pioneer 25R39	M	U	G	S	4	1	3	n/i	3, 4
Pioneer 25R40	M	A	G	S	4	3	3	n/i	3, 4
Pioneer 25R56	M	U	E	R	6	n/i	4	n/i	3
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 26R15	M	A	G	S	5	n/i	4	n/i	3
Pioneer 26R20	M	A	G	I	8	n/i	4	n/i	3
Pioneer 26R22	M	A	G	S	7	n/i	6	n/i	3
Pioneer XW10T	M	A	G	R	6	n/i	3	n/i	3
Pioneer XW10V	M	A	G	S	6	n/i	4	n/i	3
Progeny 117	E	U	E	n/i	1	1	2	5	7
Progeny 125	E	U	E	n/i	3	7	4	3	7
Progeny 185	M	U	E	n/i	3	5	1	3	7
Progeny 357	M	A	E	n/i	4	3	2	1	7
Progeny 870	M	A	E	n/i	4	3	1	1	7
Progeny PGX11-14	M	U	E	n/i	n/i	n/i	n/i	n/i	7
Progeny PGX11-8	M	A	E	n/i	5	5	3	3	7
ProHarvest 207	E	U	E	n/i	8	7	7	5	1, 2, 13
ProHarvest 311	M	U	E	n/i	8	6	6	7	1, 2, 13
Proharvest 363	L	A	E	n/i	5	8	8	7	1, 2, 13
Roane	L	U	E	S	3	7	7	5	3, 6

CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2012 MU VARIETY TESTING PROGRAM

Variety	Maturity ¹	Head Type ²	Winter Hardy ³	Hessian Fly ⁴	FHB ⁵	Stem Rust ⁶	Leaf Rust ⁷	BYDV ⁸	Seed Treatment ⁹
Syngenta BO5*0154	M	A	F	S	5	n/i	4	5	1, 3
Syngenta Oakes	M	U	G	S	6	1	3	3	1, 3
Syngenta SY1526	M	U	G	R	5	5	5	5	1, 3
Syngenta SY9978	M	A	G	R	7	1	4	3	1, 3
Syngenta W1104	M	U	G	S	3	5	5	3	1, 3
Terral TV8525	M	A	G	n/i	n/i	n/i	3	n/i	1, 3
Terral TV8535	M	A	G	n/i	n/i	n/i	3	n/i	1, 3
Terral TV8626	M	A	G	n/i	n/i	n/i	3	n/i	1, 3
Terral TV8848	M	A	G	R	n/i	n/i	3	n/i	1, 3
Terral TV8861	M	A	G	n/i	n/i	n/i	4	n/i	1, 3
Truman	L	U	G	S	3	7	7	5	3, 6
USG 3251	M	A	E	n/i	4	n/i	4	n/i	3, 4
USG 3438	M	A	E	n/i	4	n/i	3	n/i	3, 4
USG 3555	E	A	G	R	5	1	5	3	3, 4
USG 3562	E	A	E	R	n/i	1	n/i	3	3, 4
VA 06W-412	M	A	E	n/i	1	1	1	1	7, 8
VA 08W-294	M	A	E	n/i	1	1	1	1	7, 8
WestBred WBX-700	M	U	E	n/i	2	5	5	5	None
Willcross 732	E	U	E	S	3	6	6	5	1, 3
Willcross 752	M	A	E	S	3	5	5	3	1, 3

¹E = Early, M = Medium, L = Late

²A = Awned, U = Unawned

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

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

⁵1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

⁶1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

⁷1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

⁸1 to 9 rating, 1 = excellent 9 = poor, n/i means the company did not provide information

⁹1 = Crusier, 2 = Dividend, 3 = Dividend Extreme, 4 = Gaucho, 5 = Macho, 6 = Nitro Shield, 7 = Raxil MD, 8 = Storcide

10 = Rancona Pinnacle, 11 = Metalaxyl, 12 = Agristar, 13 = Apron, 14 = Awaken ST, 15 = Encase, 16 = Foothold Extra

17 = Raxil, 18 = TebuStar

SOURCES FOR VARIETIES ENTERED IN THE 2012 MISSOURI WHEAT TESTS

Brand/Variety	Company and Address	Phone	URL
AgriMaxx	AgriMaxx Wheat Co. Mascoutah, IL. 62258	618-566-7022	agrimaxxwheat.com
AGS	AgSouth Cape Girardeau, MO 63701	573-225-5013	
Armor	Armor Seed Fisher, AR 72429	870-579-2286	armorseed.com
Delta Grow	Delta Grow Seed Co. England, AR 72046	800-530-7933	deltagrow.com
Direct	Direct Enterprises Westfield, IN 46073	888-895-7333	go2dei.com
Dixie	Cache River Valley Seed Cache, AR 72421	870-477-5427	crvseed.com
Dyna-Gro	Dyna-Gro Seed Bowling Green, MO 63334	573-470-1499	dynagroseed.com
Excel	Service & Supply Coop New Florence, MO 63363	573-835-2485	
Lewis	Lewis Hybrids Ursa, IL 62376	217-964-2131	lewishybrids.com
Medoc Valley	Medoc Valley Inc. Oronogo, MO 64855	417-642-5300	
Mershman	Mershman Seeds, Inc. West Point, IA 52656	800-848-7333	mershmanseeds.com
MFA	MFA Inc. Columbia, MO 65201	573-876-5363	mfa-inc.com
Pioneer	Pioneer Hi-Bred International, Inc. Huntsville, AL. 35802	800-331-2475	pioneer.com
Pioneer	Pioneer Hi-Bred International, Inc. Johnston, IA 50131	515-334-6999	pioneer.com
Progeny	Progeny Ag Products Wynne, AR 72396	870-238-2079	progenyag.com
ProHarvest	ProHarvest Chillicothe, MO 64601	660-646-1177	thecorndocor.com
Public	Missouri Crop Improvement Assn. Columbia, MO 65201	573-449-0586	moseed.org
Public	Virginia Tech, EVAREC Warsaw, VA 22572	804-333-3485	
Public	University of Missouri Columbia, MO 65211	573-882-7708	
Syngenta	Syngenta Seeds Bay, AR 72411	870-483-7691	agripro.com
Terral	Terral Seed, Inc. Lake Providence, LA 71254	318-231-8811	terralseed.com
USG	Unisouth Genetics, Inc. Dixon, TN 37055	800-505-3133	usgseed.com
Westbred	Westbred Lafayette, IN 47909	765-572-2905	westbred.com
Willcross	Green Valley Seed Kahoka, MO 63445	660-727-3341	gvseed.com

