

# 2017 MISSOURI WHEAT TEST

## TABLE OF CONTENTS

PREFACE .....	2
---------------	---

PROCEDURES.....	3
-----------------	---

## 2017 MISSOURI WHEAT TEST LOCATIONS

### North Region

<i>Crop Management Summary</i> .....	6
<i>Columbia</i> .....	7
<i>Martinsburg</i> .....	9
<i>Novelty</i> .....	11
<i>Trenton</i> .....	13
<b><i>Region Summary</i></b> .....	<b>15</b>

### Southeast Region

<i>Crop Management Summary</i> .....	17
<i>Charleston</i> .....	18
<i>Morehouse</i> .....	21
<i>Portageville</i> .....	24
<b><i>Region Summary</i></b> .....	<b>27</b>

### Southwest Region

<i>Crop Management Summary</i> .....	30
<i>Garden City</i> .....	31
<i>Lamar</i> .....	33
<i>Montrose</i> .....	35
<b><i>Region Summary</i></b> .....	<b>37</b>

CHARACTERISTICS FOR SOFT RED WINTER WHEAT VARIETIES .....	39
---	----

SOURCES FOR VARIETIES .....	42
-----------------------------	----



## PREFACE

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 interested in corn 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. Our staff members are experienced veterans of 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. Eight of our wheat locations are on farmer fields in your communities. The other two locations are MU farms. These CAFNR owned and operated research centers, combined with the private farm locations, provide 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 comparisons across multiple locations. If varieties are entered by companies in more than one year, we provide you with two-year means to increase 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 suggestions on how we can improve our program, please contact me directly ([wieboldw@missouri.edu](mailto:wieboldw@missouri.edu)). 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. The North Region contains four locations, and the Southwest and Southeast regions contain three locations each. The same varieties are tested in all locations within a region. Locations for 2017 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
4. **Martinsburg** (Audrain County);  
Warren Hale Farm



### Southwest

5. **Garden City** (Cass County);  
Bill Cook Farm
6. **Montrose** (Henry County);  
Jeff Nold Farm
7. **Lamar** (Barton County);  
Walley Norton Farm

### Southeast

8. **Morehouse** (New Madrid County); Tom Jennings Farm
9. **Charleston** (Mississippi County); Don Deline Farm
10. **Portageville** (Pemiscot County); Lewis Rone Farm

## Entries

All seed companies were eligible to enter varieties in the 2017 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. Fungicides and insecticides were applied as needed for disease and insect management. 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 = less than 20% plants lodged and 5 = 80% or more 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 determining 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 help farmers select 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 entries are considered to be significantly different. Differences between two varieties that are smaller than the LSD may have occurred by chance and are considered to be not significant. In other words, the two varieties might have the same yield, grain moisture or other characteristics of interest. 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 test is identified by a double asterisk (\*\*) placed next to its yield. Varieties that did not yield significantly less than the highest yielding variety in the test are denoted in the tables by a single asterisk (\*). Thus, by reading down the yield column, readers can readily identify the highest yielding varieties in a location.

Variety performance might 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. For 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 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 2017 crop performance tests are available online at *varietytesting.missouri.edu*. If you need help accessing the website or would like to receive a printed copy, please call 573-882-2307.

## **Authors**

William J. Wiebold, professor of Plant Sciences and state extension specialist; Delbert Knerr; Michael Grissum; Chris Cravens; and Jarrod Nichols.

## **Acknowledgments**

The MU Variety Testing Program recognizes and expresses appreciation to the following individuals for their part in making the 2017 wheat performance tests possible: Peter Brewer, Trenton; Dana Harder, superintendent, Greenley Memorial Research Center, Novelty; Andrew Biggs, superintendent, Bradford Research Center, Columbia; Warren Hale, Martinsburg; Bill Cook, Garden City; Jeff Nold, Montrose; Walley Norton, Lamar; Tom Jennings, Morehouse; Don Deline, Charleston; Lewis Rone, Portageville.

## NORTH REGION — CROP MANAGEMENT SUMMARY

The wheat test was conducted at four locations in the North Region (Trenton, Novelty, Columbia, and Martinsburg). The Martinsburg location was managed with higher than normal level of management. Frequent and heavy rains delayed harvest of the Novelty location, but yields and test weights were consistent with other locations.

### Characteristics of the wheat test locations

Location	Soil type	Soil test				Precipitation			
		pH	OM %	P (lbs/ac)	K (lbs/ac)	March	April	May	Total
Columbia	Mexico silt loam	6.6	2.0	75	284	2.6	8.5	4.5	15.6
Martinsburg	Calwoods silt loam	5.8	2.4	31	204	3.5	7.9	4.6	16.0
Novelty	Putnam silt loam	5.6	1.5	39	192	3.2	6.2	2.4	11.8
Trenton	Lagonda silty clay loam	5.6	3.0	11	206	3.8	4.8	2.6	11.2

### Crop management practices at the wheat test locations

Location	Dates		Fertilizer			Tillage	Herbicides		Fungicide/ Insecticides
	Planting	Harvest	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post	
Columbia	Oct. 10	June 13	120	0	0	No Till	Harmony, Roundup	None	Headline
Martinsburg	Oct. 11	June 20	138	100	120	No Till	Harmony, Roundup	Harmony	Prosario
Novelty	Oct. 2	July 8	94	46	60	No Till	None	None	None
Trenton	Oct. 1	June 22	150	0	0	No Till	Harmony	None	Priaxor

## NORTH REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

### Columbia

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Pioneer 25R61	117.8*		55.9	1	39
Momentum 104	116.3*	95.5*	53.9	1	39
AgriMAXX 475	113.6*		53.2	1	36
Dyna-Gro 9750	113.6*		56.0	1	38
XL 297	113.6*		57.5	1	36
Croplan 9606	111.9*		51.1	1	37
MFA XP 2538	110.1*		57.3	1	35
Limagrain L 11538	109.8*		53.2	2	37
MFA 2449	107.8*	99.1*	52.7	1	39
MFA 2474	107.7*		55.0	2	38
MFA 2250	107.3*	97.4*	56.8	1	38
AgriMAXX 444	105.7*	99.3**	51.5	1	36
AgriMAXX 463	105.5*	98.2*	58.8	1	38
Dyna-Gro 9522	105.2*	97.6*	49.5	1	40
Krause K-7102 SRW	104.2*		52.7	1	37
MFA XP 2539	103.6*		53.7	1	34
AgriMAXX Exp. 1786	102.7		54.9	1	37
AgriMAXX 473	101.4		53.1	1	40
Pioneer 25R46	99.7	78.9	54.0	1	37
Lewis 829	97.4		48.0	1	42
Momentum 106	97.2		58.7	1	38
XL 416	97.0	91.7*	50.8	2	39
Limagrain LCS 3334	96.8		52.5	2	39
Dyna-Gro WX17782	96.4		55.4	1	36
Dyna-Gro 9772	95.8		54.2	1	37
AgriMAXX 415	95.7	91.7*	56.1	1	38
AgriMAXX 452	95.7	80.6	54.4	2	40
VATech VA11W-313	95.6		54.7	1	37
Pioneer 25R40	95.1	93.2*	52.2	1	37
Dyna-Gro 9701	94.9		51.6	1	42
Green Valley GV 656	93.8		49.8	2	38
Beck 125	92.3	85.5	55.5	1	39
AgriMAXX Exp. 1785	91.9		53.9	1	35
Momentum 304	91.4	87.2	56.6	1	38
Pioneer 25R77	90.4	86.9	54.3	2	39
MU EXP 3534	90.1		52.6	1	44
Lewis 839	88.5	83.0	49.8	1	38
Pioneer 25R50	87.4	85.1	50.4	1	37
Lewis 833	86.8		50.3	1	39

## Columbia North Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Beck 128	86.7	69.8	47.2	1	38
Bess	86.3	76.1	57.3	1	41
Syngenta SY 100	86.3	88.3	49.8	1	39
Syngenta SY 547	85.6	81.6	51.0	1	36
VATech VA12W-68	85.6		53.3	1	36
XL 356	85.6	85.8	56.8	1	38
Direct Enterprises DEI 16053	85.0		50.7	1	38
Limagrain LCS 3204	84.8		54.8	1	40
VATech VA12W-72	84.6		54.6	1	35
VATech VA11W-108PA	84.0		52.0	1	40
Limagrain LCS 2214	83.4		51.8	1	39
MFA XP 2536	81.8		50.5	1	37
Hilliard	81.4	84.6	53.1	1	39
Limagrain L 11550	81.0		52.5	2	36
Lewis 828	80.3	77.4	46.6	1	40
Green Valley GV 662	80.0		52.5	1	41
Pioneer 25R74	78.3		55.1	1	36
MFA 2431	77.1		53.2	1	40
XL 217	74.9		53.4	2	36
XL 176	74.8	70.6	58.7	1	42
Green Valley GV 615	73.0		57.4	2	38
<b>Mean</b>	<b>93.9</b>	<b>86.9</b>	<b>53.4</b>	<b>1</b>	<b>38</b>
<b>LSD (10%)</b>	<b>14.3</b>	<b>8.4</b>	<b>3.1</b>		
<b>CV (%)</b>	<b>7.9</b>	<b>6.9</b>	<b>3.1</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.



# NORTH REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Martinsburg

<b>Brand-Variety</b>	<b>Yield (bu/ac)</b>	<b>2-year mean (bu/ac)</b>	<b>Test weight (lb/bu)</b>	<b>Lodging ~</b>	<b>Height (inches)</b>
Pioneer 25R46	121.7**		58.0	1	33
Croplan 9606	121.3*		55.8	1	31
Lewis 839	120.6*		57.0	1	35
AgriMAXX 473	120.4*		57.9	1	36
Dyna-Gro WX17782	119.4*		58.8	1	30
Pioneer 25R40	119.0*		57.5	1	32
Dyna-Gro 9701	118.6*		57.6	2	33
AgriMAXX 444	117.7*		55.8	2	34
AgriMAXX 475	115.9*		56.8	2	31
Pioneer 25R74	115.6*		56.9	3	28
Pioneer 25R61	115.1*		56.6	2	36
Beck 128	114.8*		56.5	1	33
MFA 2449	114.4*		54.8	1	33
MFA XP 2539	114.0*		56.8	1	31
Momentum 106	114.0*		57.7	4	31
Dyna-Gro 9750	113.1*		56.6	1	32
Green Valley GV 662	112.0*		57.4	1	34
Krause K-7102 SRW	112.0*		56.3	1	31
XL 297	112.0*		58.3	2	32
Dyna-Gro 9772	111.7*		54.9	1	36
AgriMAXX 463	111.3*		56.7	1	32
Lewis 833	110.8*		57.5	1	36
AgriMAXX Exp. 1785	109.8*		58.3	1	30
AgriMAXX Exp. 1786	109.8*		58.1	2	34
VATech VA11W-108PA	109.7*		56.8	2	34
Pioneer 25R50	109.6*		56.0	1	31
Beck 125	109.5*		57.0	3	36
Dyna-Gro 9522	109.5*		56.7	1	33
MU EXP 3534	108.8*		58.0	1	40
MFA XP 2538	108.5*		55.9	1	32
MFA 2250	108.1*		57.7	3	36
Syngenta SY 100	107.9*		54.8	2	33
VATech VA12W-68	107.6		57.7	1	32
AgriMAXX 415	107.4		57.4	2	32
Lewis 829	107.2		56.0	2	37
Hilliard	106.9		57.2	1	35
Limagrain LCS 2214	106.9		56.8	2	32
VATech VA12W-72	106.9		56.7	2	34
MFA XP 2536	106.8		57.6	1	35

## Martinsburg North Region (continued)

<b>Brand-Variety</b>	<b>Yield (bu/ac)</b>	<b>2-year mean (bu/ac)</b>	<b>Test weight (lb/bu)</b>	<b>Lodging ~</b>	<b>Height (inches)</b>
Limagrain L 11538	103.0		56.8	3	36
MFA 2431	102.4		57.3	2	32
Limagrain LCS 3204	101.8		58.9	2	36
Momentum 304	101.0		59.1	2	35
Green Valley GV 656	100.3		55.4	2	37
XL 217	99.8		56.9	1	34
Limagrain L 11550	99.7		56.4	2	31
VATech VA11W-313	99.3		56.9	1	31
AgriMAXX 452	98.0		57.6	2	35
MFA 2474	97.9		57.9	1	34
Direct Enterprises DEI 16053	96.9		57.5	2	31
Syngenta SY 547	96.4		55.1	3	36
Momentum 104	96.1		56.8	4	28
XL 416	96.1		58.2	3	34
Pioneer 25R77	95.2		57.7	1	31
Lewis 828	93.9		56.2	1	34
XL 356	93.5		58.9	1	35
Limagrain LCS 3334	89.9		59.2	3	31
Bess	85.6		57.7	3	32
XL 176	79.5		59.0	3	36
Green Valley GV 615	76.2		59.0	3	35
<b>Mean</b>	<b>106.1</b>		<b>57.1</b>	<b>2</b>	<b>33</b>
<b>LSD (10%)</b>	<b>14.0</b>		<b>1.6</b>		
<b>CV (%)</b>	<b>6.8</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

# NORTH REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Novelty

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Krause K-7102 SRW	111.5**		57.0	2	30
AgriMAXX 475	110.6*		57.9	2	30
Syngenta SY 100	108.8*	100.5*	55.4	2	31
MFA 2250	108.1*	88.5	56.6	1	34
Pioneer 25R77	106.3*	94.2*	57.1	2	31
Pioneer 25R61	106.1*		56.0	2	35
XL 356	105.5*	93.7*	59.9	3	36
Limagrain L 11538	102.8*		56.7	1	35
Croplan 9606	102.7*		54.8	3	32
Limagrain L 11550	102.2*		56.4	2	33
Pioneer 25R40	101.8*	91.1*	57.0	1	30
VATech VA12W-72	101.4*		56.1	3	28
MFA XP 2539	100.7*		56.8	2	31
AgriMAXX 444	100.6*	92.0*	56.2	2	32
Direct Enterprises DEI 16053	99.8*		55.8	2	32
VATech VA11W-108PA	99.4*		56.6	3	34
AgriMAXX Exp. 1786	98.2*		56.2	3	32
Lewis 829	98.2*		56.7	2	37
VATech VA12W-68	96.9*		56.0	2	33
MFA 2431	96.8*		56.5	2	28
Dyna-Gro 9772	95.7*		54.5	1	31
Pioneer 25R74	95.7*		55.1	2	28
Dyna-Gro 9701	94.9*		54.9	2	36
AgriMAXX Exp. 1785	94.7*		57.5	3	31
Momentum 104	94.6*	79.0	56.1	3	32
Dyna-Gro 9522	94.5*	93.2*	55.6	1	32
Dyna-Gro 9750	94.4*		56.2	3	33
XL 416	93.9*	91.8*	57.5	3	35
Beck 128	93.8*	79.6	55.0	1	30
Limagrain LCS 2214	93.7*		57.5	3	32
Hilliard	93.4*	86.2	56.0	1	33
Pioneer 25R50	93.4*	83.7	56.2	2	31
AgriMAXX 473	93.4*		55.8	2	35
Momentum 106	93.4*		56.8	3	33
Momentum 304	93.3*	79.3	58.3	3	36
MU EXP 3534	92.8*		57.3	1	38
Beck 125	92.6*	84.5	56.8	2	33
Green Valley GV 662	92.0		58.7	1	30
XL 217	92.0		57.2	2	33
MFA 2449	90.5	90.8*	55.5	2	32

## Novelty North Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Green Valley GV 656	89.9		55.8	1	34
Dyna-Gro WX17782	89.4		55.8	2	32
AgriMAXX 452	89.3	74.9	56.3	1	33
MFA 2474	89.2		57.2	3	36
Bess	88.8	81.5	57.6	3	38
XL 297	88.3		56.9	2	31
Pioneer 25R46	86.6	73.2	54.3	2	32
AgriMAXX 463	86.0	85.8	54.6	3	31
Lewis 839	85.7	88.1	56.3	1	35
Limagrain LCS 3204	85.5		56.2	2	36
MFA XP 2538	83.7		54.6	2	33
VATech VA11W-313	83.6		55.5	2	29
AgriMAXX 415	82.8	78.7	56.5	1	27
XL 176	82.6	74.5	59.4	3	36
Lewis 833	82.5		55.4	1	32
Lewis 828	81.0	76.3	56.2	3	35
Syngenta SY 547	80.6	75.6	55.3	3	39
Limagrain LCS 3334	79.4		57.1	4	33
MFA XP 2536	78.8		54.7	2	33
Green Valley GV 615	63.3		56.8	2	36
<b>Mean</b>	<b>93.4</b>	<b>84.9</b>	<b>56.4</b>	<b>2</b>	<b>33</b>
<b>LSD (10%)</b>	<b>19.3</b>	<b>11.8</b>	<b>2.5</b>		
<b>CV (%)</b>	<b>10.7</b>	<b>9.8</b>	<b>2.3</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

# NORTH REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Trenton

<b>Brand-Variety</b>	<b>Yield (bu/ac)</b>	<b>2-year mean (bu/ac)</b>	<b>Test weight (lb/bu)</b>	<b>Lodging ~</b>	<b>Height (inches)</b>
Syngenta SY 100	97.7**	93.9**	57.2	1	32
Limagrain L 11538	96.3*		59.5	1	36
AgriMAXX 444	93.0*	91.7*	58.0	1	35
Krause K-7102 SRW	92.5*		56.8	1	30
MFA 2250	91.1*	90.7*	58.6	1	36
MFA 2449	91.0*	90.7*	58.0	1	33
Croplan 9606	90.6*		57.6	1	33
Pioneer 25R61	90.4*		58.2	1	35
Pioneer 25R46	89.1*	88.5*	58.8	1	32
Dyna-Gro 9750	88.8*		56.8	1	32
MFA XP 2539	88.3*		57.4	1	30
AgriMAXX 473	87.5*		57.3	1	35
AgriMAXX Exp. 1785	87.0*		58.4	1	30
AgriMAXX 463	86.9*	84.1	56.7	1	30
Bess	86.5*	79.6	58.0	1	38
Lewis 829	86.4*		56.8	1	39
Pioneer 25R40	85.6*	83.5	57.8	1	32
Direct Enterprises DEI 16053	85.4*		56.7	1	31
Dyna-Gro 9772	85.3*		56.4	1	32
Limagrain LCS 3204	85.1*		58.3	1	35
Pioneer 25R77	85.0*	88.1*	57.6	1	31
Limagrain L 11550	84.1*		58.7	2	32
Green Valley GV 656	84.0*		58.0	1	37
VATech VA12W-72	83.8*		55.8	1	33
VATech VA11W-313	83.4*		57.8	1	30
Syngenta SY 547	82.6	79.3	57.9	1	33
Momentum 106	82.6		58.2	1	31
XL 297	82.4		56.9	1	32
Dyna-Gro 9522	82.2	87.7*	57.0	1	32
AgriMAXX 415	81.9	81.9	58.4	1	35
AgriMAXX 475	81.8		58.0	1	30
Dyna-Gro 9701	81.8		57.1	1	32
Limagrain LCS 2214	81.8		58.1	1	36
Hilliard	81.7	79.9	58.2	1	34
Green Valley GV 662	81.6		58.6	1	33
Beck 128	81.5	86.6*	56.6	1	35
AgriMAXX Exp. 1786	81.5		58.8	1	31
Momentum 104	81.4	81.0	54.7	1	33
Limagrain LCS 3334	80.2		56.5	1	32

## Trenton North Region (continued)

<b>Brand-Variety</b>	<b>Yield (bu/ac)</b>	<b>2-year mean (bu/ac)</b>	<b>Test weight (lb/bu)</b>	<b>Lodging ~</b>	<b>Height (inches)</b>
Pioneer 25R74	80.2		57.5	1	33
Beck 125	80.1	84.0	58.1	1	36
AgriMAXX 452	80.0	79.1	57.2	1	35
Momentum 304	79.6	77.5	57.6	1	30
Lewis 839	79.4	78.3	56.5	1	38
VATech VA12W-68	79.3		56.6	1	32
Lewis 833	78.1		56.7	1	33
Pioneer 25R50	78.0	76.5	57.5	1	33
MFA 2474	77.8		57.2	1	39
VATech VA11W-108PA	77.8		58.2	1	34
MFA XP 2538	76.0		56.8	1	34
MFA XP 2536	75.6		57.8	1	32
MU EXP 3534	74.6		57.8	1	40
XL 176	74.3	75.3	58.8	1	39
XL 356	74.0	78.2	56.3	1	30
Dyna-Gro WX17782	73.5		58.3	1	30
XL 217	73.2		56.4	1	32
Green Valley GV 615	71.6		58.5	1	38
XL 416	71.5	73.2	57.1	1	38
Lewis 828	70.9	75.2	56.8	1	33
MFA 2431	62.8		57.2	1	31
<b>Mean</b>	<b>82.3</b>	<b>82.7</b>	<b>57.5</b>	<b>1</b>	<b>34</b>
<b>LSD (10%)</b>	<b>14.8</b>	<b>9.0</b>	<b>2.5</b>		
<b>CV (%)</b>	<b>9.3</b>	<b>8.0</b>	<b>2.3</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

## NORTH REGION — REGION SUMMARY

Brand-Variety	Columbia (bu/ac)	Martinsburg (bu/ac)	Novelty (bu/ac)	Trenton (bu/ac)	Mean (bu/ac)
Pioneer 25R61	117.8*	115.1*	106.1*	90.4*	107.4**
Croplan 9606	111.9*	121.3*	102.7*	90.6*	106.6*
AgriMAXX 475	113.6*	115.9*	110.6*	81.8	105.5*
Krause K-7102 SRW	104.2*	112.0*	111.5**	92.5*	105.1*
AgriMAXX 444	105.7*	117.7*	100.6*	93.0*	104.3*
MFA 2250	107.3*	108.1*	108.1*	91.1*	103.7*
Limagrain L 11538	109.8*	103.0	102.8*	96.3*	103.0*
Dyna-Gro 9750	113.6*	113.1*	94.4*	88.8*	102.5*
MFA XP 2539	103.6*	114.0*	100.7*	88.3*	101.7*
MFA 2449	107.8*	114.4*	90.5	91.0*	100.9*
AgriMAXX 473	101.4	120.4*	93.4*	87.5*	100.7*
Pioneer 25R40	95.1	119.0*	101.8*	85.6*	100.4*
Syngenta SY 100	86.3	107.9*	108.8*	97.7**	100.2*
Pioneer 25R46	99.7	121.7**	86.6	89.1*	99.3*
XL 297	113.6*	112.0*	88.3	82.4	99.1*
AgriMAXX Exp. 1786	102.7	109.8*	98.2*	81.5	98.1
Dyna-Gro 9522	105.2*	109.5*	94.5*	82.2	97.9
Dyna-Gro 9701	94.9	118.6*	94.9*	81.8	97.6
AgriMAXX 463	105.5*	111.3*	86.0	86.9*	97.4
Lewis 829	97.4	107.2	98.2*	86.4*	97.3
Dyna-Gro 9772	95.8	111.7*	95.7*	85.3*	97.1
Momentum 104	116.3*	96.1	94.6*	81.4	97.1
Momentum 106	97.2	114.0*	93.4*	82.6	96.8
AgriMAXX Exp. 1785	91.9	109.8*	94.7*	87.0*	95.9
Dyna-Gro WX17782	96.4	119.4*	89.4	73.5	94.7
MFA XP 2538	110.1*	108.5*	83.7	76.0	94.6
Pioneer 25R77	90.4	95.2	106.3*	85.0*	94.2
Beck 128	86.7	114.8*	93.8*	81.5	94.2
VATech VA12W-72	84.6	106.9	101.4*	83.8*	94.2
Beck 125	92.3	109.5*	92.6*	80.1	93.6
Lewis 839	88.5	120.6*	85.7	79.4	93.6
MFA 2474	107.7*	97.9	89.2	77.8	93.2
VATech VA11W-108PA	84.0	109.7*	99.4*	77.8	92.7
Pioneer 25R74	78.3	115.6*	95.7*	80.2	92.5
VATech VA12W-68	85.6	107.6	96.9*	79.3	92.4
Pioneer 25R50	87.4	109.6*	93.4*	78.0	92.1
Green Valley GV 656	93.8	100.3	89.9	84.0*	92.0
AgriMAXX 415	95.7	107.4	82.8	81.9	92.0
Direct Enterprises DEI 16053	85.0	96.9	99.8*	85.4*	91.8
Limagrain L 11550	81.0	99.7	102.2*	84.1*	91.8
MU EXP 3534	90.1	108.8*	92.8*	74.6	91.6

## North Region summary (continued)

Brand-Variety	Columbia (bu/ac)	Martinsburg (bu/ac)	Novelty (bu/ac)	Trenton (bu/ac)	Mean (bu/ac)
Limagrain LCS 2214	83.4	106.9	93.7*	81.8	91.5
Green Valley GV 662	80.0	112.0*	92.0	81.6	91.4
Momentum 304	91.4	101.0	93.3*	79.6	91.3
Hilliard	81.4	106.9	93.4*	81.7	90.9
AgriMAXX 452	95.7	98.0	89.3	80.0	90.8
VATech VA11W-313	95.6	99.3	83.6	83.4*	90.5
XL 356	85.6	93.5	105.5*	74.0	89.7
XL 416	97.0	96.1	93.9*	71.5	89.6
Lewis 833	86.8	110.8*	82.5	78.1	89.6
Limagrain LCS 3204	84.8	101.8	85.5	85.1*	89.3
Bess	86.3	85.6	88.8	86.5*	86.8
Limagrain LCS 3334	96.8	89.9	79.4	80.2	86.6
Syngenta SY 547	85.6	96.4	80.6	82.6	86.3
MFA XP 2536	81.8	106.8	78.8	75.6	85.8
XL 217	74.9	99.8	92.0	73.2	85.0
MFA 2431	77.1	102.4	96.8*	62.8	84.8
Lewis 828	80.3	93.9	81.0	70.9	81.5
XL 176	74.8	79.5	82.6	74.3	77.8
Green Valley GV 615	73.0	76.2	63.3	71.6	71.0
<b>Mean</b>	<b>93.9</b>	<b>106.1</b>	<b>93.4</b>	<b>82.3</b>	<b>94.0</b>
<b>LSD (10%)</b>	<b>14.3</b>	<b>14.0</b>	<b>19.3</b>	<b>14.8</b>	<b>8.5</b>
<b>CV (%)</b>	<b>7.9</b>	<b>6.8</b>	<b>10.7</b>	<b>9.3</b>	<b>8.6</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 (Charleston, Morehouse, and Portageville). Air temperatures below freezing occurred on at least two nights in mid-March throughout Southeast Missouri. Freeze damage on some wheat heads was visible and may have decreased yields. Stripe rust was apparent on some varieties at Portageville.

### Characteristics of the wheat test locations

Location	Soil type	Soil test				Precipitation			
		pH	OM %	P (lbs/ac)	K (lbs/ac)	March	April	May	Total
Charleston	Dundee silt loam	5.6	1.9	17	229	5.5	7.6	4.5	17.6
Morehouse	Gideon loam	5.3	1.5	39	182	5.8	7.4	4.1	17.3
Portageville	Askew silt loam	5.6	1.0	78	163	5.9	7.8	4.2	17.9

### Crop management practices at the wheat test locations

Location	Dates		Fertilizer			Tillage	Herbicides		Fungicide/ Insecticides
	Planting	Harvest	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post	
Charleston	Oct. 14	June 9	120	0	0	Min.	None	None	None
Morehouse	Oct. 13	June 9	160	60	100	Conv.	None	Harmony, 2,4-D	Prosaro, Lambda-Cy
Portageville	Oct. 12	June 8	120	0	0	Conv.	None	None	None

## SOUTHEAST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

### Charleston

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Croplan 8550	104.7**		58.2	1	36
Dixie Brown	96.2*		57.6	1	36
USG 3536	95.6*		58.5	2	34
Dixie Kelsey II	95.4*		55.5	2	34
Armor Mayhem	95.0*		58.4	1	35
Progeny #Bullet	93.5*		57.6	2	35
Krause K-7102 SRW	93.4*		57.0	2	32
Dyna-Gro 9701	93.3*		58.0	1	36
USG 3438	92.8*		56.1	1	32
Pioneer 26R10	92.5*	90.2*	57.1	2	33
Progeny #Boss	91.9*		55.4	2	27
Dyna-Gro WX17782	91.6*		58.6	2	34
Limagrain LCS 3334	90.9*		58.9	2	33
GoWheat Exp 100	90.8*		56.6	1	31
AgriMAXX 473	90.6		57.8	1	36
Croplan 9606	90.6		55.2	2	34
Dyna-Gro 9522	90.4	91.2*	56.1	1	31
MFA 2449	89.3	95.0**	56.0	1	34
MFA XP 2539	89.3		56.7	1	30
GoWheat 2058	88.8		56.8	2	28
Pioneer XW15C	88.7		57.4	2	36
AgriMAXX 475	88.6		56.3	2	31
MU EXP 3534	88.5		56.4	2	39
USG EXP 3228	88.3		57.3	3	28
AgriMAXX 444	87.9	89.6*	56.2	1	34
Pioneer 26R53	87.9	90.7*	57.8	2	33
Progeny #Warrior	87.8		55.6	2	33
AgriMAXX Exp. 1785	87.7		58.4	3	31
Armor Menace	87.4		56.6	1	31
Armor Ambush	87.2		57.4	1	34
Delta Grow 1000	87.2	90.6*	57.6	1	35
Dixie DXEX 16-2	86.9	85.4*	55.8	2	31
AgriMAXX 415	86.8	85.8*	59.9	2	34
Croplan 9415	85.9		54.0	2	35
Pioneer 26R59	85.9	89.0*	56.0	2	30
Progeny PGX16-3	85.5		55.4	2	34

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Dixie DXEX 17-1	85.4		56.6	2	31
Syngenta SY Viper	85.0	83.8	57.7	2	35
AGS 2055	84.5		57.0	1	35
VATech VA11W-108PA	84.4		56.6	1	32
Beck 120	84.0	88.8*	55.4	1	30
Hilliard	83.9	88.7*	57.9	1	34
MFA XP 2538	83.9		56.0	2	29
Dixie McAlister	83.8	85.0*	54.7	2	29
AgriMAXX Exp. 1786	83.6		56.6	1	34
AgriMAXX 463	83.3	94.3*	56.8	2	32
Limagrain L 11550	83.2		57.0	3	26
Pioneer 26R41	82.9	86.0*	58.4	3	32
Delta Grow 3500	82.3		56.1	3	26
Pioneer 26R36	82.3		57.1	2	33
Progeny P243	81.9		56.5	2	36
MFA 2250	81.6	87.7*	58.6	2	32
Momentum 104	81.4	70.9	55.9	3	35
USG 3404	81.1	84.8	55.3	2	33
MFA 2431	81.0		57.7	2	33
USG 3448	80.4		55.4	1	32
Limagrain LCS 2214	79.6		55.8	3	31
Momentum 304	79.5	75.6	58.5	3	36
Dyna-Gro 9750	79.3		56.4	2	30
GoWheat 2059	79.2		56.4	2	30
Syngenta SY 100	79.2		54.3	2	28
MFA XP 2536	78.4		56.9	1	32
VATech VA12W-68	78.0		56.1	2	30
Beck 123	77.8	84.3	57.1	1	33
Progeny PGX14-5	77.5		59.1	2	34
Limagrain L 11610	77.1		57.8	3	30
AGS 2038	76.9		55.3	1	42
Progeny #Turbo	76.8		55.9	2	31
Direct Enterprises DEI 16053	76.5		55.4	2	32
Limagrain L 11538	76.2		55.4	3	35
Syngenta SX1790	76.2		57.9	3	29
Delta Grow 7500	75.8	85.8*	57.9	2	32
Syngenta SY 547	75.8	86.3*	56.9	2	35
Dyna-Gro 9772	75.3		55.4	2	34
Progeny PGX-4	74.8		56.2	2	34
Limagrain L 11621	74.1		59.0	3	31

## Charleston Southeast Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Limagrain LCS 3204	73.7		57.3	2	32
VATech VA12W-72	73.5		57.4	2	29
Progeny PGX-1	71.5		56.4	1	31
Syngenta SY Harrison	71.0	78.8	55.3	1	31
Progeny P357	70.1		52.0	2	32
Bess	68.1	72.6	57.7	2	35
Momentum 106	67.6		56.1	3	34
MFA 2474	65.4		54.7	3	37
VATech VA11W-313	62.3		55.2	3	30
Dixie Bentley	58.9		57.3	2	36
<b>Mean</b>	<b>82.8</b>	<b>85.9</b>	<b>56.7</b>	<b>2</b>	<b>33</b>
<b>LSD (10%)</b>	<b>14.0</b>	<b>10.0</b>	<b>2.3</b>		
<b>CV (%)</b>	<b>8.8</b>	<b>8.8</b>	<b>2.1</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

# SOUTHEAST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Morehouse

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
USG 3536	111.7**		57.8	2	35
AgriMAXX Exp. 1785	110.1*		58.9	2	32
Limagrain L 11538	109.8*		57.0	1	32
MFA 2449	109.5*		56.6	1	34
Armor Mayhem	109.2*		57.9	1	31
Croplan 8550	108.2*		58.2	2	30
Dixie Kelsey II	108.0*		58.1	1	34
VATech VA11W-108PA	107.8*		58.5	1	33
AgriMAXX 444	107.5*		57.1	1	32
AgriMAXX 473	107.1*		58.0	1	34
Dixie Brown	106.9*		57.7	1	36
GoWheat 2058	106.8*		58.2	1	30
Pioneer 26R10	106.2*		57.3	1	32
Hilliard	105.8*		58.1	1	33
Dyna-Gro 9701	105.3*		58.0	1	32
Progeny #Boss	105.2*		56.1	1	29
AGS 2055	104.8*		57.7	2	34
Pioneer 26R36	104.8*		57.7	2	32
Progeny #Warrior	103.8*		56.0	1	31
Syngenta SY Harrison	103.8*		55.6	2	29
Dixie McAlister	103.4*		56.9	1	30
Progeny P243	103.4*		57.1	3	34
USG 3448	103.0*		57.5	1	30
Dyna-Gro WX17782	102.7*		59.3	3	28
Progeny #Bullet	102.7*		57.0	2	31
Limagrain L 11550	102.2*		59.4	2	32
Croplan 9606	102.1*		56.0	2	31
Pioneer 26R53	101.4*		58.6	2	31
Limagrain L 11621	101.1*		59.5	2	28
Krause K-7102 SRW	100.6*		56.9	3	30
Delta Grow 1000	100.5*		57.4	1	32
Progeny PGX16-3	99.9*		57.5	1	33
Pioneer 26R41	99.7*		58.2	2	33
AgriMAXX 475	99.4*		57.0	2	32
USG EXP 3228	99.3*		56.0	3	30
Armor Menace	99.1*		56.4	2	32

## Morehouse Southeast Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
AgriMAXX Exp. 1786	98.9*		55.5	2	33
Croplan 9415	98.9*		56.6	2	27
USG 3438	98.7*		55.9	1	30
AgriMAXX 415	97.6*		58.1	2	29
Dyna-Gro 9522	97.6*		56.1	1	34
MFA 2250	97.0*		58.3	3	30
VATech VA12W-68	96.8*		58.6	2	32
Beck 120	96.1*		55.3	2	29
Pioneer 26R59	96.0*		57.4	1	29
MFA XP 2539	95.9*		56.1	1	30
Pioneer XW15C	94.9*		54.4	2	36
Dixie DXEX 17-1	94.8*		57.4	2	30
USG 3404	94.6*		56.8	2	30
Dixie DXEX 16-2	93.5*		56.4	2	30
Syngenta SX1790	93.3*		57.5	3	29
AgriMAXX 463	92.9*		56.5	3	30
GoWheat 2059	92.8*		55.8	3	30
Syngenta SY 100	92.4*		56.8	2	28
Progeny #Turbo	92.0*		57.4	1	30
Dixie Bentley	91.9*		58.6	3	34
Dyna-Gro 9750	91.8*		55.9	2	30
MU EXP 3534	91.6*		56.5	2	36
Progeny P357	90.7*		54.5	2	34
Progeny PGX-1	90.2		57.6	2	27
GoWheat Exp 100	89.3		57.4	1	28
MFA XP 2538	88.6		56.2	2	32
Dyna-Gro 9772	88.3		55.1	2	35
Delta Grow 3500	88.2		57.8	2	30
Bess	88.1		55.9	2	36
Limagrain LCS 3334	87.7		58.0	3	34
Syngenta SY Viper	86.3		58.5	2	34
Direct Enterprises DEI 16053	86.0		55.9	3	28
Limagrain LCS 3204	85.6		58.1	2	31
Beck 123	85.4		57.1	2	31
MFA 2474	84.8		56.8	3	36
Delta Grow 7500	83.8		58.2	2	29
VATech VA12W-72	83.5		57.3	1	30
MFA 2431	82.7		57.2	2	28

<b>Brand-Variety</b>	<b>Yield (bu/ac)</b>	<b>2-year mean (bu/ac)</b>	<b>Test weight (lb/bu)</b>	<b>Lodging ~</b>	<b>Height (inches)</b>
Limagrain LCS 2214	82.0		56.7	1	31
Momentum 304	82.0		58.6	2	32
Progeny PGX14-5	82.0		57.0	2	35
Syngenta SY 547	81.4		56.3	2	34
AGS 2038	81.1		57.1	2	40
Armor Ambush	80.8		55.4	2	34
MFA XP 2536	80.2		56.9	1	33
VATech VA11W-313	79.1		54.5	2	28
Limagrain L 11610	76.4		59.2	2	33
Progeny PGX-4	76.0		57.6	2	32
Momentum 104	63.6		56.4	3	29
Momentum 106	60.7		57.8	3	28
<b>Mean</b>	<b>94.7</b>		<b>57.2</b>	<b>2</b>	<b>32</b>
<b>LSD (10%)</b>	<b>21.4</b>		<b>2.1</b>		
<b>CV (%)</b>	<b>11.7</b>		<b>1.9</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

# SOUTHEAST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Portageville

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Hilliard	85.4*		55.2	1	32
VATech VA11W-108PA	85.1*		54.9	1	24
Croplan 8550	84.1*		54.7	2	38
Progeny PGX-1	83.2*		55.6	1	32
Limagrain L 11538	82.7*		54.6	1	30
AgriMAXX 473	81.1*		55.4	1	32
Dyna-Gro 9701	80.3*		55.1	1	27
Dixie Brown	78.8*		54.8	3	24
Armor Mayhem	78.1*		54.7	2	32
AGS 2055	75.9*		53.2	2	30
Progeny #Bullet	75.7*		53.8	2	35
GoWheat 2058	73.1*		53.3	1	30
Progeny #Turbo	72.9*		55.0	2	28
Pioneer 26R36	72.8*		54.5	1	27
Dixie Kelsey II	72.2*		54.2	1	30
MFA XP 2536	72.0*		55.9	2	29
Syngenta SY Viper	71.9*	67.2**	55.8	2	34
Dixie Bentley	71.4*		55.3	1	24
USG 3536	71.4*		53.7	2	27
Pioneer XW15C	71.3*		52.1	2	33
MFA 2449	70.8*	64.8*	54.9	1	29
Delta Grow 1000	70.7*	64.6*	54.8	2	27
AgriMAXX 475	70.5*		55.3	2	30
USG 3438	70.2*		52.1	1	28
Pioneer 26R41	70.0*	66.0*	53.4	1	27
Pioneer 26R59	68.7	58.8*	54.1	3	28
AGS 2038	68.6		54.7	2	37
Progeny #Boss	68.6		51.9	1	29
Dixie McAlister	68.5	58.2*	51.8	1	30
Pioneer 26R53	68.3	59.1*	55.5	1	24
VATech VA12W-72	68.0		53.7	1	26
Croplan 9415	67.7		51.2	2	34
Progeny #Warrior	67.6		54.4	2	29
MFA XP 2539	67.4		53.0	2	26
Dyna-Gro 9522	67.3	59.5*	53.9	1	32
Beck 120	67.1	63.6*	50.9	2	26
VATech VA12W-68	66.7		53.5	3	26
Dixie DXEX 17-1	66.5		54.5	2	25
AgriMAXX 444	66.4	61.1*	53.4	1	34



<b>Brand-Variety</b>	<b>Yield</b>	<b>2-year mean</b>	<b>Test weight</b>	<b>Lodging</b>	<b>Height</b>
	<b>(bu/ac)</b>	<b>(bu/ac)</b>	<b>(lb/bu)</b>	<b>~</b>	<b>(inches)</b>
Croplan 9606	66.3		52.6	3	27
AgriMAXX 415	65.8	61.0*	54.1	2	28
MFA XP 2538	65.6		52.7	3	30
Limagrain L 11550	64.4		56.4	2	28
AgriMAXX Exp. 1786	63.8		54.4	2	36
Progeny PGX16-3	63.6		53.2	2	32
Syngenta SY Harrison	63.3	56.5	51.7	2	32
USG 3404	62.8	64.6*	53.2	1	31
AgriMAXX 463	62.5	55.8	53.6	3	28
Armor Ambush	62.2		53.9	2	33
AgriMAXX Exp. 1785	62.1		55.2	3	34
Dyna-Gro 9750	61.7		53.2	2	27
Dixie DXEX 16-2	61.3	57.1*	54.5	2	29
Syngenta SX1790	61.2		53.4	1	34
Limagrain L 11621	60.8		53.7	2	30
Armor Menace	60.2		53.0	2	30
MU EXP 3534	60.1		53.3	3	38
Direct Enterprises DEI 16053	59.1		51.3	2	24
Momentum 304	59.0	55.3	54.9	3	34
MFA 2250	58.8	54.5	53.8	2	28
MFA 2474	58.5		53.7	3	30
USG 3448	57.6		54.1	2	30
Dyna-Gro WX17782	57.0		55.1	3	26
Delta Grow 3500	56.9		55.6	2	26
GoWheat Exp 100	56.5		52.6	3	26
Limagrain L 11610	56.4		54.3	2	31
Beck 123	56.0	51.0	51.8	3	34
Syngenta SY 547	55.4	50.6	53.7	2	28
Krause K-7102 SRW	55.3		54.4	3	28
USG EXP 3228	55.1		49.8	4	20
Progeny PGX14-5	54.9		54.5	2	30
Dyna-Gro 9772	54.7		50.3	2	30
MFA 2431	54.7		53.2	2	30
VATech VA11W-313	54.5		52.1	2	25
Limagrain LCS 2214	54.3		53.9	3	30
Limagrain LCS 3334	54.3		55.0	3	30
Progeny PGX-4	53.7		55.1	3	30
Progeny P243	52.9		50.5	2	30
GoWheat 2059	52.5		52.1	2	24
Pioneer 26R10	52.5	54.6	52.0	3	27
Momentum 104	51.8	40.1	52.7	2	27
Delta Grow 7500	51.1	51.0	51.0	2	33
Limagrain LCS 3204	47.7		52.5	2	27

## Portageville Southeast Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Progeny P357	46.1		47.2	2	30
Syngenta SY 100	45.1		48.9	2	26
Bess	42.9	41.8	53.7	2	32
Momentum 106	38.4		51.4	4	28
<b>Mean</b>	<b>64.0</b>	<b>57.6</b>	<b>53.5</b>	<b>2</b>	<b>29</b>
<b>LSD (10%)</b>	<b>15.5</b>	<b>10.1</b>	<b>3.0</b>		
<b>CV (%)</b>	<b>12.6</b>	<b>12.2</b>	<b>3.0</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

## SOUTHEAST REGION — REGION SUMMARY

Brand-Variety	Charleston (bu/ac)	Morehouse (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Croplan 8550	104.7**	108.2*	84.1*	99.0*
Armor Mayhem	95.0*	109.2*	78.1*	94.1*
Dixie Brown	96.2*	106.9*	78.8*	94.0*
Dyna-Gro 9701	93.3*	105.3*	80.3*	93.0*
AgriMAXX 473	90.6	107.1*	81.1*	92.9*
USG 3536	95.6*	111.7**	71.4*	92.9*
VATech VA11W-108PA	84.4	107.8*	85.1*	92.4*
Dixie Kelsey II	95.4*	108.0*	72.2*	91.9*
Hilliard	83.9	105.8*	85.4**	91.7*
Progeny #Bullet	93.5*	102.7*	75.7*	90.6*
MFA 2449	89.3	109.5*	70.8*	89.9*
GoWheat 2058	88.8	106.8*	73.1*	89.6*
Limagrain L 11538	76.2	109.8*	82.7*	89.6*
Progeny #Boss	91.9*	105.2*	68.6	88.6*
AGS 2055	84.5	104.8*	75.9*	88.4
AgriMAXX 444	87.9	107.5*	66.4	87.3
USG 3438	92.8*	98.7*	70.2*	87.2
AgriMAXX Exp. 1785	87.7	110.1*	62.1	86.6
Pioneer 26R36	82.3	104.8*	72.8*	86.6
Progeny #Warrior	87.8	103.8*	67.6	86.4
Croplan 9606	90.6	102.1*	66.3	86.3
AgriMAXX 475	88.6	99.4*	70.5*	86.2
Delta Grow 1000	87.2	100.5*	70.7*	86.1
Pioneer 26R53	87.9	101.4*	68.3	85.9
Dixie McAlister	83.8	103.4*	68.5	85.2
Dyna-Gro 9522	90.4	97.6*	67.3	85.1
Pioneer XW15C	88.7	94.9*	71.3*	85.0
MFA XP 2539	89.3	95.9*	67.4	84.2
Pioneer 26R41	82.9	99.7*	70.0*	84.2
Croplan 9415	85.9	98.9*	67.7	84.2
Dyna-Gro WX17782	91.6*	102.7*	57.0	83.8
Pioneer 26R10	92.5*	106.2*	52.5	83.7
Pioneer 26R59	85.9	96.0*	68.7	83.5
AgriMAXX 415	86.8	97.6*	65.8	83.4
Limagrain L 11550	83.2	102.2*	64.4	83.3
Krause K-7102 SRW	93.4*	100.6*	55.3	83.1
Progeny PGX16-3	85.5	99.9*	63.6	83.0
Beck 120	84.0	96.1*	67.1	82.4
Armor Menace	87.4	99.1*	60.2	82.2
Dixie DXEX 17-1	85.4	94.8*	66.5	82.2
AgriMAXX Exp. 1786	83.6	98.9*	63.8	82.1

## Southeast Region summary (continued)

Brand-Variety	Charleston (bu/ac)	Morehouse (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Progeny PGX-1	71.5	90.2	83.2*	81.6
Syngenta SY Viper	85.0	86.3	71.9*	81.1
USG EXP 3228	88.3	99.3*	55.1	80.9
Progeny #Turbo	76.8	92.0*	72.9*	80.6
Dixie DXEX 16-2	86.9	93.5*	61.3	80.6
VATech VA12W-68	78.0	96.8*	66.7	80.5
USG 3448	80.4	103.0*	57.6	80.3
MU EXP 3534	88.5	91.6*	60.1	80.1
AgriMAXX 463	83.3	92.9*	62.5	79.6
USG 3404	81.1	94.6*	62.8	79.5
Progeny P243	81.9	103.4*	52.9	79.4
Syngenta SY Harrison	71.0	103.8*	63.3	79.4
MFA XP 2538	83.9	88.6	65.6	79.4
MFA 2250	81.6	97.0*	58.8	79.1
GoWheat Exp 100	90.8*	89.3	56.5	78.9
Limagrain L 11621	74.1	101.1*	60.8	78.7
Limagrain LCS 3334	90.9*	87.7	54.3	77.6
Dyna-Gro 9750	79.3	91.8*	61.7	77.6
Syngenta SX1790	76.2	93.3*	61.2	76.9
MFA XP 2536	78.4	80.2	72.0*	76.9
Armor Ambush	87.2	80.8	62.2	76.7
Delta Grow 3500	82.3	88.2	56.9	75.8
AGS 2038	76.9	81.1	68.6	75.5
VATech VA12W-72	73.5	83.5	68.0	75.0
GoWheat 2059	79.2	92.8*	52.5	74.8
Dixie Bentley	58.9	91.9*	71.4*	74.1
Direct Enterprises DEI 16053	76.5	86.0	59.1	73.9
Momentum 304	79.5	82.0	59.0	73.5
Beck 123	77.8	85.4	56.0	73.1
MFA 2431	81.0	82.7	54.7	72.8
Dyna-Gro 9772	75.3	88.3	54.7	72.8
Syngenta SY 100	79.2	92.4*	45.1	72.2
Limagrain LCS 2214	79.6	82.0	54.3	72.0
Progeny PGX14-5	77.5	82.0	54.9	71.5
Syngenta SY 547	75.8	81.4	55.4	70.9
Delta Grow 7500	75.8	83.8	51.1	70.2
Limagrain L 11610	77.1	76.4	56.4	70.0
MFA 2474	65.4	84.8	58.5	69.6
Limagrain LCS 3204	73.7	85.6	47.7	69.0
Progeny P357	70.1	90.7*	46.1	69.0
Progeny PGX-4	74.8	76.0	53.7	68.2

<b>Brand-Variety</b>	<b>Charleston</b>	<b>Morehouse</b>	<b>Portageville</b>	<b>Mean</b>
	<b>(bu/ac)</b>	<b>(bu/ac)</b>	<b>(bu/ac)</b>	<b>(bu/ac)</b>
Bess	68.1	88.1	42.9	66.4
Momentum 104	81.4	63.6	51.8	65.6
VATech VA11W-313	62.3	79.1	54.5	65.3
Momentum 106	67.6	60.7	38.4	55.6
<b>Mean</b>	<b>82.8</b>	<b>94.7</b>	<b>64.0</b>	<b>80.5</b>
<b>LSD (10%)</b>	<b>14.0</b>	<b>21.4</b>	<b>15.5</b>	<b>10.5</b>
<b>CV (%)</b>	<b>8.8</b>	<b>11.7</b>	<b>12.6</b>	<b>10.7</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 (Garden City, Lamar, and Montrose).

### Characteristics of the wheat test locations

Location	Soil type	Soil test				Precipitation			
		pH	OM %	P (lbs/ac)	K (lbs/ac)	March	April	May	Total
Garden City	Haig silt loam	4.9	2.8	80	333	2.6	7.5	3.4	13.5
Lamar	Parsons silt loam	5.3	1.5	38	142	2.3	12.1	7.6	22.0
Montrose	Hartwell silt loam	6.0	2.8	31	232	2.8	6.9	3.7	13.4

### Crop management practices at the wheat test locations

Location	Dates		Fertilizer			Tillage	Herbicides		Fungicide/ Insecticides
	Planting	Harvest	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post	
Garden City	Oct. 17	June 28				Conv.			
Lamar	Oct. 25	June 28	150	0	0	Conv.	Harmony	None	Headline
Montrose	Oct. 20	June 27	130	60	80	Conv.	Harmony	None	None

## SOUTHWEST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

### Garden City

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
AgriMAXX 475	91.9**		50.9	2	30
AgriMAXX 473	90.1*		51.9	3	37
Pioneer 25R40	89.8*	75.0*	53.7	2	36
Hilliard	89.4*	77.2*	52.5	2	36
Dyna-Gro 9522	89.1*	76.0*	48.8	3	35
MFA 2449	88.4*	81.7**	50.1	3	33
Lewis 829	88.2*		48.4	3	37
VATech VA11W-108PA	88.0*		52.0	2	32
MFA XP 2539	87.7*		50.2	2	35
GoWheat Exp 100	85.6*		50.6	3	34
VATech VA11W-313	84.8*		50.3	3	28
GoWheat 2059	79.3*		51.2	4	33
Krause K-7102 SRW	79.1*		48.9	3	33
Momentum 304	79.0*	67.1	52.2	4	37
Beck 123	78.5*	60.8	46.5	4	34
Pioneer 25R77	77.2*	68.0	51.8	3	34
Pioneer 25R61	77.0*		48.7	3	36
Dyna-Gro WX17782	75.8*		49.9	3	34
AgriMAXX Exp. 1786	75.2*		50.7	4	34
Limagrain LCS 2214	73.5		50.8	3	35
Pioneer 25R50	72.5	55.9	47.1	2	35
AGS 2038	71.6		49.1	2	37
Limagrain L 11550	71.3		47.5	3	30
MFA XP 2536	70.6		49.0	4	35
VATech VA12W-68	70.6		51.6	3	36
MFA 2250	70.4	68.2	49.8	3	35
VATech VA12W-72	69.4		51.7	2	35
AgriMAXX 463	68.7	63.9	48.0	4	32
AgriMAXX Exp. 1785	68.5		52.3	3	33
AGS 2055	68.4		49.1	3	36
Lewis 833	67.1		47.2	2	36
Dyna-Gro 9750	66.6		51.7	2	32
MFA 2474	63.9		49.7	5	35
Beck 125	63.3		45.8	4	37
Dyna-Gro 9772	61.5		45.2	3	35
AgriMAXX 444	61.4	67.4	48.5	4	35
MFA XP 2538	61.0		51.9	4	32
Pioneer 25R74	60.3		48.0	3	33
Bess	57.4	52.4	47.4	5	36

## Garden City Southwest Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Momentum 106	57.0		48.6	5	36
Lewis 839	56.0	52.8	48.4	3	34
MFA 2431	55.8		47.0	3	31
AgriMAXX 452	55.4	56.0	40.1	5	34
Dyna-Gro 9701	53.0		50.2	4	34
Momentum 104	51.6	50.1	46.6	5	36
Pioneer 25R46	47.0	53.3	39.0	3	36
Lewis 851	45.9	45.5	42.8	3	36
MU EXP 3534	45.2		48.2	5	35
Lewis 828	43.5	38.5	53.9	3	33
AgriMAXX 415	42.7	49.3	49.6	4	35
<b>Mean</b>	<b>68.6</b>	<b>61.0</b>	<b>48.4</b>	<b>3</b>	<b>34</b>
<b>LSD (10%)</b>	<b>18.3</b>	<b>11.0</b>	<b>11.1</b>		
<b>CV (%)</b>	<b>13.8</b>	<b>12.3</b>	<b>11.9</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.



# SOUTHWEST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

## Lamar

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
GoWheat Exp 100	87.7**		55.3	1	32
AgriMAXX 475	86.9*		54.5	2	25
AgriMAXX 444	86.5*	80.3*	55.2	2	30
Dyna-Gro 9522	86.1*	80.7*	53.7	2	27
Pioneer 25R61	83.7*		56.4	2	32
Dyna-Gro 9701	82.7*		53.9	2	30
AgriMAXX Exp. 1786	80.2*		55.3	2	28
MFA XP 2538	79.5*		54.7	1	26
AgriMAXX 463	78.5*	82.7**	54.9	2	30
MFA XP 2539	78.4*		55.1	2	29
AGS 2055	78.2*		54.7	2	25
AgriMAXX 473	78.0*		54.8	3	33
MFA 2449	77.8*	74.5*	54.5	3	29
Pioneer 25R50	77.2*	73.1*	52.8	2	27
Lewis 851	76.7*	54.3	54.0	2	34
MU EXP 3534	76.7*		54.5	1	26
Dyna-Gro WX17782	76.5*		56.8	1	26
AgriMAXX 415	76.1*	81.3*	54.5	3	31
Krause K-7102 SRW	75.4*		55.1	1	29
Lewis 839	74.1*	79.1*	53.2	4	29
Dyna-Gro 9772	73.4*		52.9	2	25
Pioneer 25R74	73.4*		52.3	2	25
VATech VA12W-68	73.2*		54.8	2	30
MFA 2250	73.1*	70.0	55.4	1	28
Hilliard	71.9	78.5*	55.5	2	28
Pioneer 25R40	71.6	79.0*	55.3	1	30
GoWheat 2059	71.3		51.8	2	26
AGS 2038	69.8		52.6	2	23
Beck 123	69.8		55.1	2	30
VATech VA11W-108PA	69.7		53.2	3	31
Momentum 304	69.4	71.7	55.6	1	30
Momentum 104	68.7	66.8	53.8	2	30
AgriMAXX 452	68.2	54.3	55.1	2	28
Lewis 828	68.1	63.2	54.8	2	26
Pioneer 25R46	67.4	56.1	53.5	2	29
AgriMAXX Exp. 1785	65.0		53.4	1	28
MFA 2474	64.9		56.5	1	33
MFA 2431	63.5		53.1	3	30
Limagrain L 11550	62.7		55.7	1	28

## Lamar Southwest Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
Beck 125	62.4		53.8	1	33
Pioneer 25R77	61.9	68.5	55.5	1	28
Lewis 833	61.9		52.9	2	30
Dyna-Gro 9750	61.8		53.4	1	26
Bess	61.4	56.3	56.1	1	27
MFA XP 2536	60.7		53.7	1	29
Lewis 829	60.4		53.0	2	27
VATech VA11W-313	59.3		55.0	1	26
VATech VA12W-72	53.7		55.1	3	26
Limagrain LCS 2214	50.5		53.7	2	27
Momentum 106	43.2		55.7	3	27
<b>Mean</b>	<b>69.6</b>	<b>70.4</b>	<b>54.2</b>	<b>2</b>	<b>28</b>
<b>LSD (10%)</b>	<b>15.4</b>	<b>10.3</b>	<b>9.0</b>		
<b>CV (%)</b>	<b>11.4</b>	<b>11.0</b>	<b>8.6</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

## SOUTHWEST REGION — 2017 MISSOURI WHEAT TEST LOCATIONS

**Montrose**

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
MFA XP 2539	90.1**		53.5	1	30
AgriMAXX 444	88.0*	79.8**	52.7	1	34
Dyna-Gro 9772	87.9*		53.6	2	27
GoWheat 2059	86.8*	74.2*	54.6	3	32
Dyna-Gro 9522	86.6*	77.4*	53.1	1	28
VATech VA12W-72	85.1*		53.0	3	33
MFA 2474	84.7*		55.2	3	36
Dyna-Gro 9750	84.6*		54.1	2	29
Beck 123	84.2*		53.8	2	34
Pioneer 25R61	84.0*		54.6	1	30
Hilliard	83.5*	71.8*	55.3	1	32
GoWheat Exp 100	83.5*		53.4	1	29
Krause K-7102 SRW	83.1*		54.6	1	28
MFA XP 2538	82.7*		54.1	2	35
MFA 2449	82.4*	74.6*	52.5	1	31
MFA 2250	82.0*	74.4*	55.3	2	34
AgriMAXX 475	81.6*		54.1	1	29
Pioneer 25R40	81.2*	77.7*	54.8	1	31
Pioneer 25R46	80.5*	67.9	54.0	1	25
Lewis 851	80.1*	61.1	52.6	2	35
VATech VA11W-313	79.5*		53.3	2	30
AgriMAXX 415	79.3*	73.3*	54.5	1	30
Lewis 839	78.7*	68.7	55.2	2	36
MU EXP 3534	78.4*		56.5	2	31
AgriMAXX 473	77.8*		54.9	2	36
Lewis 833	76.5		56.0	1	34
Limagrain L 11550	76.3		54.2	2	29
AgriMAXX Exp. 1785	76.1		57.2	2	27
Dyna-Gro 9701	76.1		55.3	2	36
VATech VA12W-68	75.9		54.0	2	26
Pioneer 25R77	75.3	70.3	57.1	2	34
Pioneer 25R74	75.3		54.2	2	31
MFA 2431	72.3		54.4	2	31
MFA XP 2536	72.2		53.6	1	30
VATech VA11W-108PA	72.2		53.6	1	29
Pioneer 25R50	71.4	65.5	53.4	2	33
AGS 2055	71.0		48.8	1	35
AgriMAXX Exp. 1786	70.9		55.9	1	33
Beck 125	70.0		53.3	2	33

## Montrose Southwest Region (continued)

Brand-Variety	Yield (bu/ac)	2-year mean (bu/ac)	Test weight (lb/bu)	Lodging ~	Height (inches)
AgriMAXX 463	69.4	76.6*	54.2	3	30
Lewis 829	69.4		51.7	2	34
Lewis 828	69.3	61.6	53.1	2	36
AGS 2038	68.9		50.0	1	37
Momentum 304	68.1	64.0	55.9	1	30
Dyna-Gro WX17782	65.3		53.9	1	28
Limagrain LCS 2214	65.0		54.1	3	24
Bess	63.8	58.8	56.0	3	32
Momentum 104	63.5	58.6	53.1	2	30
AgriMAXX 452	63.3	60.9	52.6	4	27
Momentum 106	60.5		55.4	4	32
<b>Mean</b>	<b>75.7</b>	<b>69.3</b>	<b>53.8</b>	<b>2</b>	<b>31</b>
<b>LSD (10%)</b>	<b>13.3</b>	<b>9.1</b>	<b>8.4</b>		
<b>CV (%)</b>	<b>9.0</b>	<b>9.2</b>	<b>8.1</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 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

## SOUTHWEST REGION — REGION SUMMARY

Brand-Variety	Garden City (bu/ac)	Lamar (bu/ac)	Montrose (bu/ac)	Mean (bu/ac)
Dyna-Gro 9522	89.1*	86.1*	86.6*	87.3**
AgriMAXX 475	91.9**	86.9*	81.6*	86.8*
GoWheat Exp 100	85.6*	87.7**	83.5*	85.6*
MFA XP 2539	87.7*	78.4*	90.1**	85.4*
MFA 2449	88.4*	77.8*	82.4*	82.9*
AgriMAXX 473	90.1*	78.0*	77.8*	82.0*
Hilliard	89.4*	71.9	83.5*	81.6*
Pioneer 25R61	77.0*	83.7*	84.0*	81.6*
Pioneer 25R40	89.8*	71.6	81.2*	80.9*
Krause K-7102 SRW	79.1*	75.4*	83.1*	79.2*
GoWheat 2059	79.3*	71.3	86.8*	79.1*
AgriMAXX 444	61.4	86.5*	88.0*	78.6*
Beck 123	78.5*	69.8	84.2*	77.5*
VATech VA11W-108PA	88.0*	69.7	72.2	76.6
AgriMAXX Exp. 1786	75.2*	80.2*	70.9	75.4
MFA 2250	70.4	73.1*	82.0*	75.2
VATech VA11W-313	84.8*	59.3	79.5*	74.5
MFA XP 2538	61.0	79.5*	82.7*	74.4
Dyna-Gro 9772	61.5	73.4*	87.9*	74.3
Pioneer 25R50	72.5	77.2*	71.4	73.7
VATech VA12W-68	70.6	73.2*	75.9	73.2
Lewis 829	88.2*	60.4	69.4	72.7
AGS 2055	68.4	78.2*	71.0	72.5
Dyna-Gro WX17782	75.8*	76.5*	65.3	72.5
AgriMAXX 463	68.7	78.5*	69.4	72.2
Momentum 304	79.0*	69.4	68.1	72.2
Pioneer 25R77	77.2*	61.9	75.3	71.5
MFA 2474	63.9	64.9	84.7*	71.2
Dyna-Gro 9750	66.6	61.8	84.6*	71.0
Dyna-Gro 9701	53.0	82.7*	76.1	70.6
Limagrain L 11550	71.3	62.7	76.3	70.1
AGS 2038	71.6	69.8	68.9	70.1
AgriMAXX Exp. 1785	68.5	65.0	76.1	69.9
Pioneer 25R74	60.3	73.4*	75.3	69.7
Lewis 839	56.0	74.1*	78.7*	69.6
VATech VA12W-72	69.4	53.7	85.1*	69.4
Lewis 833	67.1	61.9	76.5	68.5
MFA XP 2536	70.6	60.7	72.2	67.8
Lewis 851	45.9	76.7*	80.1*	67.6
MU EXP 3534	45.2	76.7*	78.4*	66.8
AgriMAXX 415	42.7	76.1*	79.3*	66.0
Beck 125	63.3	62.4	70.0	65.2

### Southwest Region summary (continued)

Brand-Variety	Garden City (bu/ac)	Lamar (bu/ac)	Montrose (bu/ac)	Mean (bu/ac)
Pioneer 25R46	47.0	67.4	80.5*	65.0
MFA 2431	55.8	63.5	72.3	63.9
Limagrain LCS 2214	73.5	50.5	65.0	63.0
AgriMAXX 452	55.4	68.2	63.3	62.3
Momentum 104	51.6	68.7	63.5	61.3
Bess	57.4	61.4	63.8	60.9
Lewis 828	43.5	68.1	69.3	60.3
Momentum 106	57.0	43.2	60.5	53.6
<b>Mean</b>	<b>68.6</b>	<b>69.6</b>	<b>75.7</b>	<b>71.3</b>
<b>LSD (10%)</b>	<b>18.3</b>	<b>15.4</b>	<b>13.3</b>	<b>9.8</b>
<b>CV (%)</b>	<b>13.8</b>	<b>11.4</b>	<b>9.0</b>	<b>11.3</b>

\*\* Highest yielding variety in test

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

## CHARACTERISTICS FOR SOFT RED WINTER WHEAT VARIETIES

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 name	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 415	M	A	E	S	2	3	2	2	2, 10, 16
AgriMAXX 444	M	A	E	S	1	3	2	2	2, 10, 16
AgriMAXX 452	E	U	E	S	1	3	3	1	2, 10, 16
AgriMAXX 463	E	U	E	S	1	1	1	n/i	2, 10, 16
AgriMAXX 473	E	A	E	R	1	n/i	2	2	2, 10, 16
AgriMAXX 475	M	A	E	R	1	n/i	3	2	2, 10, 16
AgriMAXX Exp. 1785	M	U	E	R	1	n/i	3	n/i	2, 10, 16
AgriMAXX Exp. 1786	M	A	E	R	1	n/i	4	2	2, 10, 16
AGS 2038	M	A	E	R	3	2	2	3	1, 15
AGS 2055	M	A	E	S	3	2	2	n/i	1, 15
Armor Ambush	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor Mayhem	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor Menace	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Beck 120	E	A	E	S	4	2	2	2	4
Beck 123	E	A	E	S	3	2	1	2	4
Beck 125	M	A	E	S	2	2	2	2	4
BeckWW 128	M	A	E	S	1	2	3	3	4
Beck 128	M	A	E	S	1	2	3	3	4
Bess	E	U	G	S	1	7	7	5	11, 16
Croplan 8550	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Croplan 9415	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Croplan 9606	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Delta Grow 1000	M	A	G	n/i	2	2	2	3	n/i
Delta Grow 3500	E	A	G	n/i	4	2	2	4	n/i
Delta Grow 7500	ME	A	G	n/i	6	2	2	3	n/i
Direct Enterprises DEI 16053	E	U	E	n/i	4	4	3	n/i	n/i
Dixie Bentley	M	A	E	S	3	2	3	n/i	1, 3
Dixie Brown	M	A	E	R	2	n/i	2	3	1, 3
Dixie DXEX 16-2	M	U	E	R	4	n/i	3	3	1, 3
Dixie DXEX 17-1	M	A	E	I	2	n/i	3	2	1, 3
Dixie Kelsey II	M	A	E	n/i	3	2	4	n/i	1, 3
Dixie McAlister	M	A	E	n/i	n/i	n/i	2	3	1, 3
Dyna-Gro 9522	M	A	E	S	4	3	3	3	6, 8
Dyna-Gro 9701	M	A	G	R	2	n/i	2	3	6, 8
Dyna-Gro 9750	E	U	E	n/i	2	2	2	3	6, 8
Dyna-Gro 9772	M	A	G	S	1	n/i	3	3	6, 8
Dyna-Gro WX17782	M	U	E	R	2	n/i	5	n/i	6, 8
GoWheat 2058	M	A	E	S	2	3	3	n/i	1, 15
GoWheat 2059	M	U	E	S	1	2	2	n/i	1, 15

## Characteristics for wheat varieties (continued)

Variety name	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>
GoWheat Exp 100	M	A	E	n/i	2	3	3	3	1, 15
Green Valley GV 615	E	U	G	S	3	2	2	3	3
Green Valley GV 656	M	A	G	S	3	2	2	2	3
Green Valley GV 662	M	A	E	S	3	2	2	2	3
Hilliard	M	A	G	n/i	2	n/i	1	1	11, 16
Krause K-7102 SRW	M	A	E	R	2	n/i	2	2	1, 16
Lewis 828	E	U	E	n/i	4	n/i	3	n/i	14, 16
Lewis 829	E	U	E	n/i	4	n/i	4	n/i	14, 16
Lewis 833	E	U	E	n/i	4	n/i	n/i	n/i	14, 16
Lewis 839	M	U	E	n/i	4	n/i	2	n/i	14, 16
Lewis 851	L	U	E	n/i	1	n/i	1	n/i	14, 16
Limagrain L 11538	M	A	E	n/i	2	n/i	1	2	n/i
Limagrain L 11550	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Limagrain L 11610	M	U	E	n/i	2	n/i	n/i	n/i	n/i
Limagrain L 11621	E	A	E	n/i	3	n/i	n/i	n/i	n/i
Limagrain LCS 2214	E	U	E	n/i	2	n/i	1	2	n/i
Limagrain LCS 3204	M	U	E	n/i	2	n/i	3	3	n/i
Limagrain LCS 3334	E	U	E	n/i	1	n/i	1	2	n/i
MFA 2250	M	A	G	R	3	3	3	2	1, 16
MFA 2431	E	U	G	S	5	5	1	5	1, 16
MFA 2449	M	A	E	I	3	3	4	4	1, 16
MFA 2474	M	A	G	S	3	4	4	3	1, 16
MFA XP 2536	E	U	E	S	4	5	2	5	1, 16
MFA XP 2538	E	U	E	S	2	3	3	4	1, 16
MFA XP 2539	M	A	E	I	4	5	3	3	1, 16
Momentum 104	E	U	G	n/i	1	3	3	3	11, 16
Momentum 106	E	U	G	n/i	3	6	6	3	11, 16
Momentum 304	E	U	G	n/i	3	3	3	3	11, 16
MU EXP 3534	L	U	n/i	S	4	n/i	n/i	5	11, 16
Pioneer 25R40	M	A	G	S	6	n/i	5	n/i	7, 16
Pioneer 25R46	M	A	G	S	3	n/i	5	n/i	7, 16
Pioneer 25R50	M	U	G	R	3	n/i	3	n/i	7, 16
Pioneer 25R61	M	A	G	S	3	n/i	3	n/i	7, 16
Pioneer 25R74	E	A	G	R	4	n/i	5	n/i	7, 16
Pioneer 25R77	E	A	G	R	6	n/i	2	n/i	7, 16
Pioneer 26R10	L	A	G	R	5	n/i	3	n/i	3, 7
Pioneer 26R36	L	A	G	M	n/i	n/i	7	n/i	3, 7
Pioneer 26R41	M	A	G	R	6	n/i	3	n/i	3, 7
Pioneer 26R53	M	A	G	S	6	n/i	4	n/i	3, 7
Pioneer 26R59	M	U	G	S	n/i	n/i	6	n/i	3, 7
Pioneer XW15C	M	U	G	R	n/i	n/i	7	n/i	3, 7
Progeny #Boss	M	A	E	n/i	2	2	1	2	5, 7



Variety name	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>
Progeny P243	M	A	E	R	3	5	3	n/i	5, 7
Progeny P357	M	A	E	n/i	2	2	3	1	5, 7
Progeny PGX-1	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Progeny PGX14-5	M	U	E	n/i	5	1	3	1	5, 7
Progeny #Bullet	M	A	E	R	1	4	1	2	5, 7
Progeny #Turbo	M	U	E	n/i	3	2	1	n/i	5, 7
Progeny #Warrior	M	U	E	R	n/i	3	3	n/i	5, 7
Progeny PGX16-3	M	A	E	S	2	2	6	2	5, 7
Progeny PGX-4	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Syngenta SX1790	M	A	G	n/i	5	n/i	5	n/i	1, 16
Syngenta SY 100	M	U	E	S	5	3	5	n/i	1, 16
Syngenta SY 547	E	U	G	S	4	3	2	n/i	1, 16
Syngenta SY Harrison	M	A	G	S	5	n/i	6	n/i	1, 16
Syngenta SY Viper	M	U	F	S	7	n/i	n/i	n/i	1, 16
USG 3404	ML	A	E	n/i	2	2	2	2	9, 12
USG 3438	ME	A	E	n/i	4	n/i	3	n/i	9, 12
USG 3448	ME	A	E	L	2	n/i	4	2	9, 12
USG 3536	ME	A	G	L	2	n/i	3	3	9, 12
USG EXP 3228	E	U	E	n/i	1	2	3	2	9, 12
VA11W-108PA	M	A	n/i	n/i	1	n/i	1	1	7, 13
VA11W-313	M	A	n/i	n/i	2	n/i	1	1	7, 13
VA12W-68	M	A	n/i	n/i	1	n/i	2	1	7, 13
VA12W-72	E	A	n/i	n/i	1	n/i	2	1	7, 13
XL 176	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL 217	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL 297	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL 356	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL 416	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i

<sup>1</sup> E = Early, M = Medium, L = Late, n/i means the company did not provide information

<sup>2</sup> A = Awned, U = Unawned, n/i means the company did not provide information

<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 = Cruiser, 2 = Cruiser 5FS, 3 = Dividend, 4 = Escalate, 5 = Evergol energy, 6 = Foothold, 7 = Gaucho, 8 = Imidacoprid, 9 = Ipconazole, 10 = Maxim 4 FS, 11 = Nitroshield IV, 12 = Poncho, 13 = Raxil MD extra, 14 = Storcide II, 15 = Vibrance, 16 = Vibrance extreme, n/i means the company did not provide information

## SOURCES FOR VARIETIES ENTERED IN THE 2017 MISSOURI WHEAT TEST

<b>Brand</b>	<b>Company and address</b>	<b>Phone</b>	<b>URL</b>
AgriMAXX	AgriMAXX Wheat Co. Mascoutah, IL 62258	855-629-9432	<i>AgriMAXXwheat.com</i>
AGS	Stratton Seed Co. Stuttgart, AR 72160	800-264-4433	<i>gostrattonseed.com</i>
Armor	Armor Seed Waldenburg, AR 72475	870-579-2286	<i>armorseed.com</i>
Beck	Beck's Hybrids Atlanta, IN 46031	800-937-2325	<i>beckshybrids.com</i>
Bess	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	<i>moseed.org</i>
Delta Grow	Delta Grow Seed Co. England, AR 72046	800-530-7933	<i>deltagrow.com</i>
Dixie	Cache River Valley Seed Cash, AR 72421	870-477-5427	<i>crvseed.com</i>
Dyna-Gro	Dyna-Gro Seed Bowling Green, MO 63334	573-324-2423	<i>dynagroseed.com</i>
Equity	Direct Enterprises Inc. Westfield, IN 46074	317-867-2238	<i>directenterprises.org</i>
GoWheat	Stratton Seed Co. Stuttgart, AR 72160	800-264-4433	<i>gostrattonseed.com</i>
Green Valley	Green Valley Seed Kahoka, MO 63445	800-748-7943	<i>gvseed.com</i>
Hilliard	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	<i>moseed.org</i>
Krause	Krause Seeds Inc. Concordia, MO 64020	660-463-7333	
Lewis	Lewis Hybrids Ursa, IL 62376	217-964-2131	<i>lewishybrids.com</i>
Limagrain	Limagrain Cereals Cordova, TN 38018	901-266-0955	<i>limagraincerealseeds.com</i>
MFA	MFA Incorporated Columbia, MO 65201	573-876-5363	<i>mfaseed.com</i>
Momentum	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	<i>moseed.org</i>
MOWEP	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	<i>moseed.org</i>
MU EXP	Missouri Foundation Seeds Columbia, MO 65201	573-884-7333	
Pioneer	DuPont Pioneer Columbia, SC 29229	803-308-1003	<i>pioneer.com</i>
Pioneer	DuPont Pioneer Johnston, IA 50121	515-535-3200	<i>pioneer.com</i>

Progeny	Progeny Ag Products Wynne, AR 72396	870-238-2079	<i>progenyag.com</i>
VA	Virginia Crop Improvement Mechanicsville, VA 23116	804-746-4884	<i>viriniacrop.org</i>
Syngenta SY	Syngenta Seeds Berthoud, CO 80513	252-814-5425	<i>agriprowheat.com</i>
USG	UniSouth Genetics, Inc. Dixon, TN 37055	800-505-3133	<i>usgseed.com</i>
XL	Service and Supply Coop New Florence, MO 63363	573-835-2485	<i>ssco-op.com</i>

---

University of Missouri  
Extension Publications  
2800 Maquire Blvd.  
Columbia, MO 65211-3250



**Missouri Agricultural  
Experiment Station**

University of Missouri  
an equal opportunity/ADA Institution