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

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

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

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

Thank you for your interest and support. Please support the companies that participate in our program. If you have any suggestion on how we can improve our program please contact me directly (wieboldw@missouri.edu; 573-882-0621). The MU Variety Testing Program exists to serve your needs. We want to provide you with the best information possible.



William “Bill” Wiebold

PROCEDURES

Regions and Locations

The MU Variety Testing program divides the wheat growing area of Missouri into three regions: North, Southwest, and Southeast. Each region contains three locations, and the same varieties are tested in all locations within a region. Locations for 2016 are as follows:

North

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

Southwest

4. Garden City (Cass County); Bill Cook farm
5. Montrose (Henry County); Jeff Nold farm
6. Lamar (Barton County); David Sheat farm

Southeast

7. Oran (Scott County); Glenn Nothdurft 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 2016 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 = more than 80% 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

(continued on pg. 5)

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 bottom of each table.

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

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

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

Accessibility of Data

Results of the 2016 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.

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Acknowledgments

The MU Variety Testing Program recognizes and expresses appreciation to the following individuals for their part in making the 2016 wheat performance tests possible: Peter Brewer, Trenton; Dana Harder, superintendent, Greenley Memorial Research Center, Novelty; Tim Reinbott, superintendent, Bradford Research and Extension Center, Columbia; Bill Cook, Garden City; Jeff Nold, Montrose; David Sheat, Lamar; Glenn Nothdurft, Oran; Don Deline, Charleston; Trent Hagard, superintendent, Delta Research Center, Portageville.

NORTH REGION CROP MANAGEMENT SUMMARY

The Wheat Test was conducted at three locations in the North Region (Columbia, Novelty, Trenton). All locations were planted in early October and winter survival was good. Fungicides were applied at all locations to control foliar diseases including stripe rust.

CHARACTERISTICS OF WHEAT TEST LOCATIONS – NORTH REGION

Location	Soil Type	Soil Test				Precipitation			
		pH	OM %	P pounds/acre	K pounds/acre	March	April	May	Total Inches
Columbia	Mexico silt loam	6.7	2.2	65	269	1.7	2.2	3.1	7.0
Novelty	Putnam silt loam	5.9	2.0	65	384	1.9	2.6	4.2	8.7
Trenton	Lagonda silty clay loam	7.0	2.6	95	342	1.6	5.2	7.1	13.9

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – NORTH REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Insecticides
	Planting	Harvest	N ---pounds/acre---	P ₂ O ₅	K ₂ O		Pre	Post	
Columbia	Oct 5	June 23	120	0	0	Notill	none	Harmony	Headline
Novelty	Oct 2	June 23	116	52	0	Conv	none	2, 4-D	Quilt
Trenton	Oct 1	June 24	170	46	300	Notill	none	Harmony	Priaxor

COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/ Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
AgriMaxx 444	93.0**	63.4*	55.0	1	36
Pioneer 25R40	91.4*	62.1*	56.5	1	35
AgriMaxx 463	90.8*		56.6	1	34
Syngenta SY 100	90.3*		54.5	1	35
AgriMaxx 446	90.3*	63.3*	56.5	1	34
MFA 2449	90.3*	60.3	54.7	1	35
Dyna-Gro 9522	90.0*	61.8*	55.6	1	36
AgriMaxx Exp.1558	88.0*		54.5	1	37
VA Tech VA12W-72	87.9*		58.0	1	36
Hilliard	87.8*	59.5	57.1	1	38
AgriMaxx 415	87.6*	64.2*	57.7	1	35
MFA 2250	87.4*	62.2*	56.7	1	38
Dyna-Gro WX16771	87.3*		55.8	1	35
LimaGrain L11541	86.6*		58.0	1	33
XL 416	86.4*		56.5	1	44
MFA XP2474	86.2*		56.0	1	43
XL 356	86.0*		58.9	1	40
MFA XP2479	85.9*		55.6	1	39
LimaGrain L11528	85.8*		56.7	1	44
Syngenta SY 483	85.7*	58.9	56.8	1	38
Dyna-Gro WX15742	85.2*		54.1	1	38
Merschman Bintee 10	85.2*	66.2**	58.8	1	39
Merschman Barbie 12	83.5*	61.9*	54.1	1	34
Pioneer 25R77	83.4*	61.4*	57.7	1	34
Momentum 304	83.0*	65.3*	59.3	1	43
Pioneer 25R50	82.8*	61.8*	56.1	1	33
Syngenta SY 007	82.0	62.8*	56.7	1	35
LimaGrain L11419	80.9		56.4	1	39
Beck 125	78.7		56.9	1	40
Momentum 205	78.0		56.0	1	41
Lewis 839	77.6	57.3	54.8	1	38
Syngenta SY 547	77.5	55.9	56.1	1	37
LimaGrain LCS 2564	75.7		56.9	1	34
XL 194	75.4		56.2	1	39
Equity Brand Exp. DEI 16098	75.2		54.9	1	37
Momentum 104	74.8	57.1	56.1	1	36
Lewis 828	74.4		55.9	1	37
Merschman Samantha 2	74.1		56.7	1	41
LimaGrain LCS 2347	73.0		56.0	1	39
Momentum 204	71.6	55.3	57.0	1	39

COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Green Valley 656	71.3		54.7	1	41
MOMEX 4404	68.6		59.2	1	43
LimaGrain L-171	68.5		58.8	1	40
MFA 2166	68.3	53.4	55.3	1	38
XL 176	66.4		58.7	1	38
Bess	65.8	54.7	56.4	1	40
AgriMaxx 452	65.5		55.1	1	41
Krause K-6161 SRW	65.4		57.1	1	39
Merschman Peyton	64.2	50.2	54.8	1	36
MU Exp 15781	63.9		57.0	1	36
AgriMaxx 454	58.8		50.1	1	35
Pioneer 25R46	58.0	45.2	51.6	1	38
XL 205	57.7		55.5	1	37
Merschman Millie 5	57.2		55.6	1	37
Dyna-Gro 9692	55.1		49.7	1	38
Lewis 851	54.1		54.0	1	37
Beck 128	52.8		50.2	1	36
GRAND MEAN	76.9	59.3	56.1	1	38
LSD (10%)	10.5	6.1	1.5		
CV (%)	7.1	6.8	1.4		

***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 = less than 20% plants lodged and 5 = more than 80% plants lodged

NOVELTY, MO (KNOX COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Syngenta SY 100	92.3**		57.8	1	38
Dyna-Gro 9522	92.0*	70.5*	59.1	1	40
MFA 2449	91.1*	70.9*	59.1	1	38
Lewis 839	90.5*	68.1*	59.1	1	40
XL 416	89.7*		58.8	1	42
Syngenta SY 007	88.3*	71.6**	59.2	1	37
AgriMaxx 463	85.6*		58.2	1	34
AgriMaxx 446	85.6*	68.4*	59.6	1	35
LimaGrain LCS 2347	84.4*		58.9	1	37
Dyna-Gro WX16771	83.4*		59.2	1	35
AgriMaxx 444	83.4*	66.3*	58.7	1	38
Syngenta SY 483	83.1*	60.1	58.1	1	37
Pioneer 25R77	82.1*	67.7*	60.4	1	35
Hilliard	82.1*	65.0*	59.4	1	37
XL 356	81.9*		61.2	1	42
VA Tech VA12W-72	81.0*		58.9	1	38
MFA XP2479	80.9*		58.8	1	43
Pioneer 25R40	80.3*	64.4*	59.3	1	34
Dyna-Gro WX15742	79.4*		56.4	1	39
Beck 125	76.4		60.1	1	39
LimaGrain L11528	76.2		60.0	1	41
LimaGrain L11541	75.9		59.7	1	35
Green Valley 656	75.4		58.8	1	43
MFA XP2474	75.1		59.5	1	41
AgriMaxx 415	74.7	65.1*	59.7	1	35
Bess	74.3	61.0	59.7	1	45
Pioneer 25R50	73.9	60.9	59.3	1	35
Equity Brand Exp. DEI 16098	73.8		58.5	1	39
LimaGrain L11419	73.1		58.1	1	38
Merschman Barbie 12	72.4	66.3*	56.2	1	38
Lewis 828	71.7		59.0	1	40
Merschman Bintee 10	71.1	66.2*	60.8	1	42
Momentum 205	70.7		58.7	1	38
Syngenta SY 547	70.5	58.1	58.6	1	36
LimaGrain LCS 2564	70.1		58.6	1	35
Merschman Samantha 2	70.0		59.5	1	34
MFA 2250	69.0	65.1*	58.1	1	36
Dyna-Gro 9692	68.4		57.0	1	38
MU Exp 15781	68.3		59.3	1	37
AgriMaxx Exp.1558	67.9		56.1	1	39

NOVELTY, MO (KNOX COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Momentum 204	67.4	59.7	57.4	1	39
AgriMaxx 454	67.2		57.5	1	38
Merschman Peyton	66.7	60.1	56.7	1	39
XL 176	66.3		60.1	1	45
XL 194	66.0		57.1	1	37
Beck 128	65.5		57.2	1	37
Momentum 304	65.2	64.6*	60.6	1	40
Krause K-6161 SRW	64.0		59.6	1	38
LimaGrain L-171	63.8		61.1	1	41
Momentum 104	63.3	57.7	56.0	1	35
MFA 2166	63.0	57.1	59.0	1	39
MOMEX 4404	62.5		59.6	1	38
Merschman Millie 5	61.7		58.8	1	39
AgriMaxx 452	60.5		59.0	1	39
Pioneer 25R46	59.7	54.2	58.4	1	33
Lewis 851	59.3		58.2	1	41
XL 205	51.1		57.5	1	38
GRAND MEAN	73.5	63.9	58.8	1	38
LSD (10%)	15.1	7.7	1.5		
CV (%)	10.6	8.4	1.4		

**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 = less than 20% plants lodged and 5 = more than 80% plants lodged

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Dyna-Gro 9692	94.9**		56.2	1	37
AgriMaxx 446	94.4*	82.4*	58.2	1	38
Dyna-Gro 9522	93.2*	82.5**	56.4	1	37
AgriMaxx 454	92.8*		56.8	1	36
Beck 128	91.7*		57.1	1	37
Pioneer 25R77	91.1*	80.6*	59.1	1	36
AgriMaxx 444	90.5*	78.8*	57.3	1	40
MFA 2250	90.4*	80.5*	58.2	1	38
MFA 2449	90.3*	81.1*	57.3	1	40
Syngenta SY 100	90.0*		56.2	1	37
Merschman Barbie 12	89.0*	80.0*	55.9	1	38
Dyna-Gro WX15742	88.1*		55.8	1	38
Pioneer 25R46	87.9*	65.9	57.8	1	35
Beck 125	87.8*		58.8	1	37
MFA XP2479	86.0*		57.4	2	37
AgriMaxx Exp.1558	82.5		56.4	1	35
XL 356	82.4		59.3	1	41
AgriMaxx 415	81.8	73.8	58.8	1	36
MFA XP2474	81.6		56.2	1	43
Pioneer 25R40	81.5	71.2	56.5	1	41
AgriMaxx 463	81.4		56.5	1	36
Dyna-Gro WX16771	80.7		56.6	1	34
Momentum 104	80.7	65.9	56.3	1	35
Merschman Bintee 10	79.9	77.3*	59.1	1	41
Lewis 828	79.4		56.7	1	38
Merschman Peyton	79.0	69.6	57.7	1	38
Krause K-6161 SRW	78.8		58.6	1	38
LimaGrain L11528	78.5		56.0	1	42
Hilliard	78.4	72.0	57.4	1	38
AgriMaxx 452	78.2		58.4	1	38
LimaGrain L11541	78.1		58.0	1	35
MFA 2166	77.6	67.6	58.1	1	37
Lewis 839	77.2	70.8	56.9	1	36
Momentum 204	77.1	67.3	57.9	1	37
Syngenta SY 007	76.8	73.7	57.6	1	36
LimaGrain L11419	76.4		57.2	1	38
Equity Brand Exp. DEI 16098	76.3		56.4	1	37
XL 176	76.3		59.6	1	42
Syngenta SY 547	76.0	68.6	56.6	1	39
Momentum 304	75.5	74.8	59.4	1	39

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Syngenta SY 483	75.4	67.6	57.6	1	37
XL 194	75.2		58.3	1	38
Pioneer 25R50	75.0	71.2	56.9	1	36
XL 416	74.9		55.9	1	41
Green Valley 656	74.7		56.2	1	38
XL 205	74.7		58.3	1	37
LimaGrain LCS 2347	73.6		58.0	1	37
Bess	72.7	65.0	59.3	1	39
Lewis 851	72.4		57.8	1	41
MOMEX 4404	72.3		58.9	1	40
Merschman Samantha 2	72.2		57.2	2	41
LimaGrain L-171	72.1		58.7	1	37
Momentum 205	71.7		57.7	1	38
MU Exp 15781	70.3		58.5	1	36
VA Tech VA12W-72	68.9		57.9	1	36
Merschman Millie 5	68.5		59.5	1	36
LimaGrain LCS 2564	66.7		57.5	1	36
GRAND MEAN	80.0	73.4	57.6	1	38
LSD (10%)	11.0	6.1	1.6		
CV (%)	7.1	5.9	1.4		

***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 = less than 20% plants lodged and 5 = more than 80% plants lodged

NORTH REGION SUMMARY

Brand/Variety	Columbia Bu/Ac	Novelty Bu/Ac	Trenton Bu/Ac	Mean Bu/Ac
Dyna-Gro 9522	90.0*	92.0*	93.2*	91.7**
Syngenta SY 100	90.3*	92.3**	90.0*	90.8*
MFA 2449	90.3*	91.1*	90.3*	90.5*
AgriMaxx 446	90.3*	85.6*	94.4*	90.1*
AgriMaxx 444	93.0**	83.4*	90.5*	88.9*
AgriMaxx 463	90.8*	85.6*	81.4	85.9*
Pioneer 25R77	83.4*	82.1*	91.1*	85.5*
Pioneer 25R40	91.4*	80.3*	81.5	84.4*
Dyna-Gro WX15742	85.2*	79.4*	88.1*	84.2
MFA XP2479	85.9*	80.9*	86.0*	84.2
Dyna-Gro WX16771	87.3*	83.4*	80.7	83.8
XL 416	86.4*	89.7*	74.9	83.6
XL 356	86.0*	81.9*	82.4	83.4
Hilliard	87.8*	82.1*	78.4	82.7
Syngenta SY 007	82.0	88.3*	76.8	82.3
MFA 2250	87.4*	69.0	90.4*	82.2
Lewis 839	77.6	90.5*	77.2	81.7
Merschman Barbie 12	83.5*	72.4	89.0*	81.6
Syngenta SY 483	85.7*	83.1*	75.4	81.4
AgriMaxx 415	87.6*	74.7	81.8	81.3
Beck 125	78.7	76.4	87.8*	80.9
MFA XP2474	86.2*	75.1	81.6	80.9
LimaGrain L11541	86.6*	75.9	78.1	80.2
LimaGrain L11528	85.8*	76.2	78.5	80.1
AgriMaxx Exp.1558	88.0*	67.9	82.5	79.4
VA Tech VA12W-72	87.9*	81.0*	68.9	79.2
Merschman Bintee 10	85.2*	71.1	79.9	78.7
Pioneer 25R50	82.8*	73.9	75.0	77.2
LimaGrain LCS 2347	73.0	84.4*	73.6	77.0
LimaGrain L11419	80.9	73.1	76.4	76.8
Equity Brand Exp. DEI 16098	75.2	73.8	76.3	75.1
Lewis 828	74.4	71.7	79.4	75.1
Syngenta SY 547	77.5	70.5	76.0	74.6
Momentum 304	83.0*	65.2	75.5	74.5
Green Valley 656	71.3	75.4	74.7	73.8
Momentum 205	78.0	70.7	71.7	73.4
AgriMaxx 454	58.8	67.2	92.8*	72.9
Momentum 104	74.8	63.3	80.7	72.9
Dyna-Gro 9692	55.1	68.4	94.9**	72.8
XL 194	75.4	66.0	75.2	72.2

NORTH REGION SUMMARY

Brand/Variety	Columbia Bu/Ac	Novelty Bu/Ac	Trenton Bu/Ac	Mean Bu/Ac
Merschman Samantha 2	74.1	70.0	72.2	72.1
Momentum 204	71.6	67.4	77.1	72.0
Bess	65.8	74.3	72.7	70.9
LimaGrain LCS 2564	75.7	70.1	66.7	70.8
Beck 128	52.8	65.5	91.7*	70.0
Merschman Peyton	64.2	66.7	79.0	69.9
MFA 2166	68.3	63.0	77.6	69.6
XL 176	66.4	66.3	76.3	69.6
Krause K-6161 SRW	65.4	64.0	78.8	69.4
Pioneer 25R46	58.0	59.7	87.9*	68.5
LimaGrain L-171	68.5	63.8	72.1	68.1
AgriMaxx 452	65.5	60.5	78.2	68.0
MOMEX 4404	68.6	62.5	72.3	67.8
MU Exp 15781	63.9	68.3	70.3	67.5
Merschman Millie 5	57.2	61.7	68.5	62.4
Lewis 851	54.1	59.3	72.4	61.9
XL 205	57.7	51.1	74.7	61.1
GRAND MEAN	76.9	73.5	80.0	76.8
LSD (10%)	10.5	15.1	11.0	7.4
CV (%)	7.1	10.6	7.1	7.9

**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, Montrose).

CHARACTERISTICS OF WHEAT TEST LOCATIONS – SOUTHWEST REGION

Location	Soil Type	Soil Test				Precipitation			
		pH	OM %	P pounds/acre	K pounds/acre	March	April	May	Total Inches
Garden City	Haig silt loam	5.7	3.1	88	725	2.3	5.0	4.0	11.3
Lamar	Parsons silt loam	7.0	2.2	65	296	2.8	4.1	8.8	15.7
Montrose	Hartwell silt loam	6.6	4.9	531	846	2.2	3.8	5.1	11.1

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – SOUTHWEST REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Insecticides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
			----pounds/acre----						
Garden City	Oct 8	June 20	102	0	0	Conv.	none	Harmony	Headline, Mustang Max
Lamar	Oct 16	June 22	100	70	90	Conv.	none	Harmony	none
Montrose	Oct 21	June 21	100	0	0	Conv.	none	Harmony	none

GARDEN CITY, MO (CASS COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
MFA 2449	75.0**	68.0*	57.9	1	38
AgriMaxx 444	73.3*	68.3*	58.0	1	36
MFA XP2431	71.3*		59.5	1	38
Merschman Barbie 12	69.9*	68.8**	56.2	1	36
Dyna-Gro WX16771	67.6*		56.7	1	36
MFA 2250	66.0*	65.2*	58.2	1	38
MFA XP2474	65.9*		59.5	1	41
Hilliard	65.1*	54.0	58.5	1	37
MFA XP2479	64.5*		58.5	1	39
VA Tech VA12W-72	63.4*		59.2	1	35
Dyna-Gro 9522	62.9*	63.4*	57.6	1	35
Dyna-Gro WX15742	61.6		57.1	1	36
Pioneer 25R25	61.6		55.6	1	34
Pioneer 25R40	60.2	59.0	58.6	1	36
AgriMaxx 454	60.1		57.0	1	36
Pioneer 25R46	59.6	65.1*	59.8	1	37
AgriMaxx 463	59.1		59.4	1	33
Pioneer 25R77	58.8	58.0	60.7	1	33
MFA 2166	56.5	61.3	59.3	1	35
AgriMaxx 452	56.5		57.5	1	36
Beck 128	56.1		55.3	1	36
AgriMaxx 415	55.8	58.2	58.9	1	33
Momentum 204	55.7	58.6	59.3	1	39
Momentum 304	55.3	56.9	58.8	1	39
Dyna-Gro 9591	55.1	62.8*	58.5	1	34
Dyna-Gro 9692	50.6		55.8	1	36
Merschman Bintee 10	49.8	54.4	58.5	1	35
Merschman Peyton	49.5	56.9	57.8	1	34
Lewis 839	49.5	50.0	56.2	1	35
MOMEX 4404	49.4		60.7	1	40
Equity Brand Butler	49.3		58.0	1	35
Momentum 205	48.9		59.9	1	39
Momentum 104	48.5	52.0	57.5	1	35
Bess	47.3	50.6	58.2	1	38
Lewis 851	45.1	49.8	58.5	1	36
Beck 123	43.0		57.1	1	38
Merschman Samantha 2	42.8		60.6	1	37
MU Exp 15781	39.7		59.1	1	33
Pioneer 25R50	39.3	49.7	56.9	1	33
Lewis 828	33.5		57.5	1	35

GARDEN CITY, MO (CASS COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Merschman Millie 5	32.8		60.0	1	36
Equity Brand Exp. DEI 16098	24.4		57.9	1	39
GRAND MEAN	54.8	58.6	58.2	1	36
LSD (10%)	13.2	7.0	2.0		
CV (%)	12.2	9.2	1.8		

***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 = less than 20% plants lodged and 5 = more than 80% plants lodged

LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Hilliard	91.9**	69.2*	58.3	1	35
VA Tech VA12W-72	87.8*		59.6	2	35
AgriMaxx 463	86.9*		58.1	2	36
AgriMaxx 415	86.5*	73.5**	60.3	1	36
Pioneer 25R40	86.5*	59.2	58.2	2	35
Lewis 839	84.0*	68.3*	58.8	1	39
Equity Brand Butler	82.0*		58.6	1	40
Dyna-Gro WX16771	78.3*		57.9	2	34
Merschman Bintee 10	76.1	71.1*	60.7	1	43
Dyna-Gro 9522	75.3	64.2	54.1	1	38
Pioneer 25R77	75.1	61.8	58.7	2	37
MFA XP2431	74.4		57.2	2	38
AgriMaxx 444	74.0	62.0	54.8	1	35
Momentum 304	73.9	71.2*	60.3	2	38
MFA XP2474	71.4		57.3	3	38
MFA 2449	71.1	61.4	54.7	1	37
Dyna-Gro WX15742	69.7		54.8	1	39
Pioneer 25R50	69.1	57.1	56.2	1	33
Merschman Barbie 12	66.9	57.3	54.3	2	38
MFA 2250	66.8	58.2	56.8	2	38
Beck 123	65.6		56.2	1	40
Pioneer 25R25	65.0		54.7	1	36
Momentum 104	65.0	58.3	56.2	2	37
Dyna-Gro 9591	64.2	55.5	56.6	2	37
Equity Brand Exp. DEI 16098	62.7		55.1	2	38
Momentum 204	60.0	56.5	59.6	3	38
Lewis 828	58.2		56.4	2	39
MFA XP2479	54.5		52.4	1	38
Momentum 205	53.8		57.0	4	40
Bess	51.3	47.7	56.4	3	37
MOMEX 4404	49.7		60.6	4	38
Merschman Samantha 2	49.6		53.8	3	39
Merschman Peyton	46.9	44.0	53.7	3	41
Pioneer 25R46	44.8	37.6	50.7	1	38
MU Exp 15781	43.6		55.9	4	36
MFA 2166	41.2	42.1	54.9	3	37
AgriMaxx 452	40.4		53.5	3	36
Beck 128	38.0		50.6	1	39
Merschman Millie 5	36.1		55.8	2	36
Lewis 851	31.8	30.0	51.7	1	39

LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Dyna-Gro 9692	28.5		50.3	1	39
AgriMaxx 454	26.2		50.6	1	40
GRAND MEAN	62.5	57.4	56.0	2	38
LSD (10%)	15.4	8.2	1.9		
CV (%)	12.6	10.4	1.8		

***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 = less than 20% plants lodged and 5 = more than 80% plants lodged

MONTROSE, MO (HENRY COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
AgriMaxx 463	83.8**		58.7	1	30
MFA XP2431	75.2*		59.4	1	38
Pioneer 25R40	74.3*	72.0*	58.6	1	33
AgriMaxx 444	71.6*	76.2**	57.9	1	35
MFA XP2474	71.5*		59.9	1	41
Dyna-Gro 9522	68.1		57.2	1	35
MFA XP2479	67.5		57.3	1	35
AgriMaxx 415	67.3	70.4*	60.5	1	33
MFA 2449	66.8		56.7	1	37
MFA 2250	66.7	70.4*	58.5	1	36
Pioneer 25R25	66.6		57.5	1	34
Dyna-Gro WX16771	65.9		59.0	1	35
Pioneer 25R77	65.3	66.1	59.7	1	31
Dyna-Gro 9591	64.7		58.9	1	36
Dyna-Gro WX15742	64.4		54.9	1	37
Beck 123	64.1		57.3	1	39
Equity Brand Butler	62.0		57.6	1	32
Merschman Bintee 10	61.2		59.6	1	36
Merschman Barbie 12	60.9		54.9	1	35
Hilliard	60.1		58.4	1	33
Momentum 304	59.8	66.5	59.8	1	35
Pioneer 25R50	59.6		56.9	1	32
Lewis 839	58.8	68.5*	57.3	1	34
AgriMaxx 452	58.5		57.9	1	37
VA Tech VA12W-72	58.2		59.3	1	35
Beck 128	57.0		56.1	1	35
AgriMaxx 454	56.7		55.7	1	33
Equity Brand Exp. DEI 16098	55.9		57.6	1	35
Momentum 205	55.7		59.6	1	38
Pioneer 25R46	55.4	65.0	56.9	1	38
Merschman Samantha 2	54.2		58.2	1	36
Lewis 828	53.9		57.3	1	35
Merschman Peyton	53.8		58.5	1	32
Bess	53.8	66.3	58.5	1	37
Momentum 104	53.8	63.3	56.6	1	34
Dyna-Gro 9692	52.1		54.6	1	35
MFA 2166	49.6	58.3	55.7	1	38
MU Exp 15781	45.1		57.4	1	36
Momentum 204	44.0	56.5	58.2	1	37
Lewis 851	42.2		57.0	1	38

MONTROSE, MO (HENRY COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Merschman Millie 5	41.1		56.2	1	32
MOMEX 4404	39.1		61.6	1	41
GRAND MEAN	59.7	66.6	57.8	1	35
LSD (10%)	14.1	7.8	2.3		
CV (%)	12.1	9.1	2.0		

***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 and 5 = more than 80% plants lodged

SOUTHWEST REGION SUMMARY

Brand-Variety	Garden City Bu/Ac	Lamar Bu/Ac	Montrose Bu/Ac	Mean Bu/Ac
AgriMaxx 463	59.1	86.9*	83.8**	76.6**
MFA XP2431	71.3*	74.4	75.2*	73.6*
Pioneer 25R40	60.2	86.5*	74.3*	73.6*
AgriMaxx 444	73.3*	74.0	71.6*	72.9*
Hilliard	65.1*	91.9**	60.1	72.3*
MFA 2449	75.0**	71.1	66.8	70.9*
Dyna-Gro WX16771	67.6*	78.3*	65.9	70.6*
AgriMaxx 415	55.8	86.5*	67.3	69.8*
VA Tech VA12W-72	63.4*	87.8*	58.2	69.8*
MFA XP2474	65.9*	71.4	71.5*	69.6*
Dyna-Gro 9522	62.9*	75.3	68.1	68.7*
MFA 2250	66.0*	66.8	66.7	66.5
Pioneer 25R77	58.8	75.1	65.3	66.4
Merschman Barbie 12	69.9*	66.9	60.9	65.9
Dyna-Gro WX15742	61.6	69.7	64.4	65.2
Equity Brand Butler	49.3	82.0*	62.0	64.4
Pioneer 25R25	61.6	65.0	66.6	64.4
Lewis 839	49.5	84.0*	58.8	64.1
Momentum 304	55.3	73.9	59.8	63.0
Merschman Bintee 10	49.8	76.1	61.2	62.3
MFA XP2479	64.5*	54.5	67.5	62.1
Dyna-Gro 9591	55.1	64.2	64.7	61.3
Beck 123	43.0	65.6	64.1	57.5
Pioneer 25R50	39.3	69.1	59.6	56.0
Momentum 104	48.5	65.0	53.8	55.7
Momentum 204	55.7	60.0	44.0	53.2
Pioneer 25R46	59.6	44.8	55.4	53.2
Momentum 205	48.9	53.8	55.7	52.8
AgriMaxx 452	56.5	40.4	58.5	51.8
Bess	47.3	51.3	53.8	50.8
Beck 128	56.1	38.0	57.0	50.3
Merschman Peyton	49.5	46.9	53.8	50.0
MFA 2166	56.5	41.2	49.6	49.1
Merschman Samantha 2	42.8	49.6	54.2	48.8
Lewis 828	33.5	58.2	53.9	48.5
AgriMaxx 454	60.1	26.2	56.7	47.6
Equity Brand Exp. DEI 16098	24.4	62.7	55.9	47.6
MOMEX 4404	49.4	49.7	39.1	46.0
Dyna-Gro 9692	50.6	28.5	52.1	43.7
MU Exp 15781	39.7	43.6	45.1	42.8

SOUTHWEST REGION SUMMARY

Brand/Variety	Garden City Bu/Ac	Lamar Bu/Ac	Montrose Bu/Ac	Mean Bu/Ac
Lewis 851	45.1	31.8	42.2	39.7
Merschman Millie 5	32.8	36.1	41.1	36.6
GRAND MEAN	54.8	62.5	59.7	59.0
LSD (10%)	13.2	15.4	14.1	8.4
CV (%)	12.2	12.6	12.1	11.6

**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 to be conducted at three locations in the Southeast Region (Charleston, Oran, Portageville). The Portageville location was abandoned because of poor yields with excessive variability. Late season storms caused some lodging at the Oran location.

CHARACTERISTICS OF WHEAT TEST LOCATIONS – NORTH REGION

Location	Soil Type	Soil Test				Precipitation			
		pH	OM %	P pounds/acre	K pounds/acre	March	April	May	Total
Charleston	Dundee silt loam	5.3	1.6	30	234	9.0	3.8	6.8	19.6
Oran	Commerce silt loam	6.2	1.6	69	356	6.4	4.3	7.6	18.3
Portageville	abandoned								

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – NORTH REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Insecticides
	Planting	Harvest	N	P ₂ O ₅ ---pounds/acre---	K ₂ O		Pre	Post	
Charleston	Oct 14	June 15	105	0	0	Conv.	none	2,4 D, Harmony	Tilt, Caramba/ Lambda-Cy
Oran	Oct 13	June 14	130	60	75	Conv.	none	Harmony	Prosaro
Portageville	abandoned								

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Progeny 243	107.0**		59.6	1	44
AgriMaxx 463	105.3*		58.9	1	39
MFA 2449	100.6*	91.2**	59.1	1	40
GoWheat GW 2059	98.9*		59.5	1	39
Pioneer XW13W	97.8*	89.5*	60.8	1	38
Syngenta SY 547	96.8*	84.1*	60.3	1	41
Delta Grow 7500	95.8*	84.5*	59.2	1	38
Armor Inferno	95.8*		60.4	1	38
AgriMaxx 446	95.4*	83.8*	59.9	1	40
GoWheat GW 2058	95.2*	80.0	60.1	1	35
Dixie DEXE 15-1	94.5*	88.0*	58.6	1	40
Delta Grow 1000	93.9*		59.4	1	42
MFA 2250	93.8*	84.9*	59.9	1	39
Beck 120	93.6*		59.8	1	36
Pioneer 26R53	93.5*	82.6*	60.5	1	35
Hilliard	93.5*	82.1*	59.4	1	40
Pioneer 26R59	92.1*		57.6	1	36
Dyna-Gro 9522	92.0*	80.9	59.1	1	38
Armor Rumble	91.5*		60.8	1	38
MFA XP2431	91.5*		58.3	1	44
AgriMaxx 444	91.3	81.3	58.2	1	39
Progeny PGX 15-10	91.0		59.5	1	42
Beck 123	90.7		60.6	1	43
Equity Brand Butler	90.7		60.0	1	42
Progeny PGX 15-12	89.6		59.5	1	37
Pioneer 25R40	89.5	80.2	59.7	1	38
Pioneer 26R41	89.2	83.2*	60.4	1	37
USG 3404	88.5	79.3	58.7	1	39
Dyna-Gro WX16771	88.3		59.6	1	36
Delta Grow 2700	87.9	81.2	58.5	1	39
Pioneer 26R10	87.9	78.3	58.8	1	38
Progeny PGX 15-16	87.5		61.1	1	36
USG Exp.3536	87.3		60.3	1	41
Delta Grow L420	87.1		57.8	1	39
GoWheat GW 2056	87.0	78.7	59.1	1	36
Syngenta SY Harrison	86.6	80.5	57.3	1	38
LimaGrain LCS 4343	86.6		60.9	2	38
Arkansas AR GA04510-11LE24	86.4		57.6	2	43
Dixie DEXE 16-1	86.4		60.1	1	42
Dixie McAlister	86.1	77.9	58.7	1	35

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Armor ARW1551	85.8		61.7	1	35
Equity Brand Exp. DEI 16098	85.3		58.0	3	43
AgriMaxx 454	85.2		58.7	1	39
AgriMaxx 415	84.7	80.6	61.0	1	38
VA Tech VA12W-72	84.5		60.4	1	37
Progeny PGX 15-14	84.1		58.9	1	35
Dixie DXEX 16-2	83.9		58.2	1	35
USG 3895	83.9		58.6	1	38
MU Exp 15781	83.8		60.4	1	38
USG 3013	83.3	79.0	57.3	2	41
Beck 114	83.2		60.2	2	40
Merschman Barbie 12	83.0	79.5	57.6	2	39
Syngenta SY Viper	82.6	77.8	60.1	1	42
LimaGrain L-241	82.6		58.1	3	39
MFA XP2479	82.0		59.2	1	39
Armor ARW1513	81.7		57.9	1	39
Merschman Bintee 10	81.3	75.5	62.4	1	42
USG 3316	80.2		58.0	1	40
Dyna-Gro 9692	79.6		57.7	1	41
Merschman Samantha 2	79.6		61.5	2	38
Progeny 357	79.3	77.0	57.0	1	39
GoWheat GW 2038	79.3		60.6	1	45
LimaGrain L11419	79.3		58.8	3	42
Arkansas AR 01040-4-1	78.1		58.0	1	41
USG 3197	77.8		58.1	1	39
Bess	77.1	71.7	60.0	2	40
Progeny 870	76.8	73.9	58.3	1	37
Momentum 204	76.7	74.5	62.1	2	43
Merschman Millie 5	76.2		60.1	2	40
Syngenta SY 007	75.5	71.7	58.8	1	38
GoWheat GW 2024	75.5		60.5	1	38
MOMEX 4404	75.1		62.3	3	41
Momentum 205	73.9		58.8	2	39
Dyna-Gro WX15742	73.7	72.1	57.9	2	39
USG 3523	71.6	75.6	58.6	2	40
Momentum 304	71.6	68.8	62.5	1	39
LimaGrain L11541	71.3		60.3	2	35
Merschman Peyton	70.9	71.0	60.0	3	41
LimaGrain LCS 2347	68.9		61.9	3	41
Dixie Xtreme	68.1	71.9	57.8	2	42

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
MFA XP2474	67.3		59.4	1	44
Pioneer 25R32	67.1	68.1	60.0	3	39
Momentum 104	60.5	66.0	59.3	4	39
MFA 2166	59.5	65.5	59.2	3	43
AgriMaxx 452	59.5		60.6	3	42
GRAND MEAN	83.8	78.2	59.5	1	39
LSD (10%)	15.6	9.1	2.0		
CV (%)	9.7	8.4	1.8		

***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 = less than 20% plants lodged and 5 = more than 80% plants lodged

ORAN, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
AgriMaxx 463	90.9**		61.1	2	40
GoWheat GW 2059	90.3*		61.3	3	38
Progeny PGX 15-12	86.7*		62.2	2	40
Pioneer 26R41	81.7*	88.4**	59.6	3	38
Armor ARW1551	81.5*		63.9	4	38
Progeny PGX 15-10	80.6*		60.3	3	43
VA Tech VA12W-72	80.5*		60.8	3	39
Equity Brand Butler	79.0*		58.8	2	40
Hilliard	78.5*	83.2*	60.7	2	40
Dixie McAlister	76.1	85.2*	58.6	2	35
Dixie DXEX 16-1	75.8		60.2	3	42
Progeny PGX 15-16	75.4		63.1	3	39
Beck 120	75.3		57.8	3	42
Armor Inferno	75.2		60.4	3	39
GoWheat GW 2058	74.8	86.2*	60.1	2	39
GoWheat GW 2056	74.2	87.9*	58.1	2	41
MFA 2250	73.3	80.8*	61.6	4	40
Delta Grow 7500	72.8	87.3*	57.8	2	39
Pioneer 25R40	72.3	82.8*	58.9	3	38
Beck 123	71.9		61.8	3	38
Delta Grow 1000	71.9		60.0	3	42
Pioneer 26R59	71.2		58.6	2	41
USG Exp.3536	70.9		59.3	3	44
GoWheat GW 2038	67.3		58.1	3	44
Progeny 870	66.8	83.0*	57.0	3	41
AgriMaxx 415	66.3	80.2*	60.3	4	38
Syngenta SY Viper	66.2	83.6*	60.1	1	37
AgriMaxx 446	65.2	82.0*	60.0	3	39
Pioneer 26R53	65.1	80.5*	59.6	4	37
Syngenta SY 547	62.6	79.6*	60.2	3	42
GoWheat GW 2024	61.7		60.5	3	39
MFA XP2431	61.4		56.1	3	40
Arkansas AR GA04510-11LE24	61.2		56.0	4	41
Progeny 243	60.2		58.8	4	43
USG 3404	59.7	73.8	56.7	3	37
Pioneer XW13W	59.6	71.0	59.5	4	39
Merschman Bintee 10	58.8	68.3	63.5	3	41
Dyna-Gro WX16771	58.5		57.9	4	41
Momentum 304	58.4	65.9	63.6	3	44
AgriMaxx 444	57.5	76.0	56.0	2	41

ORAN, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
Syngenta SY Harrison	57.3	74.9	56.0	2	40
Delta Grow 2700	56.7	75.5	56.7	2	43
USG 3013	55.7	70.8	55.4	3	43
Dyna-Gro 9522	55.2	76.0	55.6	3	42
MFA 2449	55.0	76.0	55.2	3	41
Arkansas AR 01040-4-1	54.7		58.6	2	37
Progeny PGX 15-14	54.1		55.6	3	36
Dixie DSEX 16-2	53.8		56.6	3	38
Pioneer 26R10	53.7	74.1	57.0	3	42
Merschman Barbie 12	51.6	75.8	57.5	4	41
Dyna-Gro WX15742	51.3	76.6	59.5	4	42
USG 3523	50.5	71.2	56.9	4	35
USG 3895	50.0		56.8	3	40
MFA XP2474	48.9		55.9	4	39
USG 3197	48.8		56.6	3	36
LimaGrain L11419	48.6		58.2	3	38
MOMEX 4404	47.9		62.5	4	38
Dixie DSEX 15-1	47.7	71.8	55.5	3	42
Delta Grow L420	47.3		57.9	4	40
Pioneer 25R32	47.2	66.0	58.0	4	36
Dixie Xtreme	46.7	67.9	54.7	3	42
Armor Rumble	46.6		55.7	3	43
Momentum 204	46.5	68.5	61.3	4	40
Progeny 357	44.8	61.6	54.4	3	41
Syngenta SY 007	44.0	70.7	56.2	4	38
MFA XP2479	43.0		58.2	4	40
LimaGrain LCS 4343	40.4		57.3	4	37
Bess	39.8	62.5	60.1	4	36
LimaGrain L11541	39.6		59.2	4	36
Merschman Samantha 2	39.2		60.6	4	42
Merschman Peyton	38.8	57.5	59.9	4	39
Momentum 205	37.6		61.2	4	38
Equity Brand Exp. DEI 16098	37.0		56.5	3	43
AgriMaxx 452	36.4		58.2	4	38
MFA 2166	34.9	62.9	57.6	4	42
Dyna-Gro 9692	34.8		54.8	2	42
LimaGrain L-241	34.3		58.6	4	38
Beck 114	33.3		57.5	4	40
Merschman Millie 5	32.2		60.9	4	38
LimaGrain LCS 2347	31.5		59.2	4	39

ORAN, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height Inches
AgriMaxx 454	29.4		54.1	4	38
MU Exp 15781	24.7		59.1	4	39
USG 3316	24.1		53.0	3	41
Momentum 104	23.4	55.4	56.2	4	40
Armor ARW1513	23.2		52.6	3	37
GRAND MEAN	55.9	74.8	58.5	3	40
LSD (10%)	13.3	8.8	2.4		
CV (%)	12.4	9.8	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 = less than 20% plants lodged and 5 = more than 80% plants lodged

SOUTHEAST REGION SUMMARY

Brand/Variety	Charleston Bu/Ac	Oran Bu/Ac	Mean Bu/Ac
AgriMaxx 463	105.3*	90.9**	98.1**
GoWheat GW 2059	98.9*	90.3*	94.6*
Progeny PGX 15-12	89.6	86.7*	88.1*
Hilliard	93.5*	78.5*	86.0
Progeny PGX 15-10	91.0	80.6*	85.8
Armor Inferno	95.8*	75.2	85.5
Pioneer 26R41	89.2	81.7*	85.4
GoWheat GW 2058	95.2*	74.8	85.0
Equity Brand Butler	90.7	79.0*	84.8
Beck 120	93.6*	75.3	84.4
Delta Grow 7500	95.8*	72.8	84.3
Armor ARW1551	85.8	81.5*	83.6
Progeny 243	107.0**	60.2	83.6
MFA 2250	93.8*	73.3	83.5
Delta Grow 1000	93.9*	71.9	82.9
VA Tech VA12W-72	84.5	80.5*	82.5
Pioneer 26R59	92.1*	71.2	81.6
Progeny PGX 15-16	87.5	75.4	81.4
Beck 123	90.7	71.9	81.3
Dixie DXEX 16-1	86.4	75.8	81.1
Dixie McAlister	86.1	76.1	81.1
Pioneer 25R40	89.5	72.3	80.9
GoWheat GW 2056	87.0	74.2	80.6
AgriMaxx 446	95.4*	65.2	80.3
Syngenta SY 547	96.8*	62.6	79.7
Pioneer 26R53	93.5*	65.1	79.3
USG Exp.3536	87.3	70.9	79.1
Pioneer XW13W	97.8*	59.6	78.7
MFA 2449	100.6*	55.0	77.8
MFA XP2431	91.5*	61.4	76.4
AgriMaxx 415	84.7	66.3	75.5
AgriMaxx 444	91.3	57.5	74.4
Syngenta SY Viper	82.6	66.2	74.4
USG 3404	88.5	59.7	74.1
Arkansas AR GA04510-11LE24	86.4	61.2	73.8
Dyna-Gro 9522	92.0*	55.2	73.6
Dyna-Gro WX16771	88.3	58.5	73.4
GoWheat GW 2038	79.3	67.3	73.3
Delta Grow 2700	87.9	56.7	72.3
Syngenta SY Harrison	86.6	57.3	71.9

SOUTHEAST REGION SUMMARY

Brand/Variety	Charleston Bu/Ac	Oran Bu/Ac	Mean Bu/Ac
Progeny 870	76.8	66.8	71.8
Dixie DXEX 15-1	94.5*	47.7	71.1
Pioneer 26R10	87.9	53.7	70.8
Merschman Bintee 10	81.3	58.8	70.0
USG 3013	83.3	55.7	69.5
Progeny PGX 15-14	84.1	54.1	69.1
Armor Rumble	91.5*	46.6	69.0
Dixie DXEX 16-2	83.9	53.8	68.8
GoWheat GW 2024	75.5	61.7	68.6
Merschman Barbie 12	83.0	51.6	67.3
Delta Grow L420	87.1	47.3	67.2
USG 3895	83.9	50.0	66.9
Arkansas AR 01040-4-1	78.1	54.7	66.4
Momentum 304	71.6	58.4	65.0
LimaGrain L11419	79.3	48.6	63.9
LimaGrain LCS 4343	86.6	40.4	63.5
USG 3197	77.8	48.8	63.3
Dyna-Gro WX15742	73.7	51.3	62.5
MFA XP2479	82.0	43.0	62.5
Progeny 357	79.3	44.8	62.0
Momentum 204	76.7	46.5	61.6
MOMEX 4404	75.1	47.9	61.5
Equity Brand Exp. DEI 16098	85.3	37.0	61.1
USG 3523	71.6	50.5	61.0
Syngenta SY 007	75.5	44.0	59.7
Merschman Samantha 2	79.6	39.2	59.4
Bess	77.1	39.8	58.4
LimaGrain L-241	82.6	34.3	58.4
Beck 114	83.2	33.3	58.2
MFA XP2474	67.3	48.9	58.1
Dixie Xtreme	68.1	46.7	57.4
AgriMaxx 454	85.2	29.4	57.3
Dyna-Gro 9692	79.6	34.8	57.2
Pioneer 25R32	67.1	47.2	57.1
Momentum 205	73.9	37.6	55.7
LimaGrain L11541	71.3	39.6	55.4
Merschman Peyton	70.9	38.8	54.8
Merschman Millie 5	76.2	32.2	54.2
MU Exp 15781	83.8	24.7	54.2
Armor ARW1513	81.7	23.2	52.4

SOUTHEAST REGION SUMMARY

Brand/Variety	Charleston Bu/Ac	Oran Bu/Ac	Mean Bu/Ac
USG 3316	80.2	24.1	52.1
LimaGrain LCS 2347	68.9	31.5	50.2
AgriMaxx 452	59.5	36.4	47.9
MFA 2166	59.5	34.9	47.2
Momentum 104	60.5	23.4	41.9
GRAND MEAN	83.8	55.9	69.8
LSD (10%)	15.6	13.3	10.9
CV (%)	9.7	12.4	10.5

***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 2016 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 415	M	A	E	S	2	3	2	2	1,12
AgriMaxx 444	M	A	E	S	3	2	2	n/i	1,12
AgriMaxx 446	M	A	E	I	3	3	4	n/i	1,12
AgriMaxx 452	E	U	E	S	1	3	3	1	1,12
AgriMaxx 454	M	A	E	S	1	3	2	2	1,12
AgriMaxx 463	M	A	E	R	1	n/i	2	n/i	1,12
AgriMaxx Exp.1663	E	U	E	S	1	1	1	n/i	1,12
Arkansas AR01040-4-1	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Arkansas ARG04510-11LE24	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor ARW1513	n/i	A	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor ARW1551	n/i	U	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor Inferno	n/i	A	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Armor Rumble	n/i	A	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Beck 114	E	U	E	S	2	2	1	1	5
Beck 120	E	A	E	S	4	2	2	2	5
Beck 123	M	A	E	S	3	2	1	2	5
Beck 125	M	A	E	S	2	2	2	3	5
Beck 128	M	A	E	S	1	2	3	3	5
Bess	E	U	G	S	1	7	7	5	1,13,14
Delta Grow 1000	E	A	E	R	8	7	7	7	n/i
Delta Grow 2700	L	A	G	S	6	7	7	8	n/i
Delta Grow 7500	E	A	G	S	6	7	8	7	n/i
Delta Grow L420	M	A	E	S	7	6	8	8	n/i
Dixie DXEX 15-1	M	A	E	n/i	3	2	4	n/i	1,2
Dixie DXEX 16-1	M	A	E	R	2	n/i	2	n/i	1,2
Dixie DXEX 16-2	M	U	E	R	4	n/i	4	n/i	1,2
Dixie McAlister	M	A	E	n/i	n/i	n/i	2	3	1,2
Dixie Xtreme	M	U	E	n/i	n/i	3	3	2	1,2
Dyna-Gro 9522	M	A	E	S	4	3	3	3	10,17
Dyna-Gro 9591	E	A	G	S	3	3	3	3	10,17
Dyna-Gro 9692	M	A	E	S	2	n/i	4	4	10,17
Dyna-Gro WX15742	M	A	G	S	1	n/i	3	4	10,17
Dyna-Gro WX16771	E	A	E	I	2	n/i	4	3	10,17
Equity Brand Butler	M	U	E	S	4	2	2	3	12
Equity Brand Exp. DEI 16098	M	U	E	S	4	3	3	3	12

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE
2016 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
GoWheat GW 2024	M	A	G	R	5	5	5	3	1,12
GoWheat GW 2038	M	A	G	R	5	5	5	3	1,12
GoWheat GW 2056	M	A	G	S	4	4	4	4	1,12
GoWheat GW 2058	M	A	G	S	4	4	4	4	1,12
GoWheat GW 2059	E	U	G	S	3	4	4	4	1,12
Green Valley 656	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Hilliard	M	A	n/i	n/i	2	n/i	1	1	8,10,11
Krause K-6161 SRW	E	U	E	I	n/i	n/i	4	1	10
Lewis 828	E	U	E	n/i	4	n/i	3	n/i	12
Lewis 839	E	U	E	n/i	4	n/i	2	n/i	12
Lewis 851	M	U	E	n/i	1	n/i	1	3	12
LimaGrain L11419	E	U	E	n/i	4	n/i	n/i	n/i	6
LimaGrain L11528	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	6
LimaGrain L11541	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	6
LimaGrain L-171	E	U	E	n/i	3	n/i	1	2	6
LimaGrain L-241	M	U	E	n/i	3	n/i	3	1	6
LimaGrain LCS 2347	M	U	E	n/i	3	n/i	1	2	6
LimaGrain LCS 2564	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	18
LimaGrain LCS 4343	M	U	E	n/i	3	n/i	1	3	6
Merschman Barbie 12	M	U	E	S	1	3	3	1	n/i
Merschman Bintee 10	M	U	E	S	2	3	2	2	n/i
Merschman Millie 5	E	U	G	S	1	3	3	3	n/i
Merschman Peyton	M	A	E	S	1	3	2	2	n/i
Merschman Samantha 2	M	U	E	S	1	3	2	2	n/i
MFA 2166	M	U	E	S	3	3	2	3	1,12
MFA 2250	M	A	E	R	3	3	3	3	1,12
MFA 2449	M	A	E	R	4	3	4	3	1,12
MFA XP2431	M	U	E	S	3	3	3	3	1,12
MFA XP2474	L	A	E	S	3	3	3	3	1,12
MFA XP2479	L	A	E	R	3	3	3	3	1,12
Momentum 104	E	U	G	n/i	1	3	3	3	1,7,13
Momentum 204	E	U	E	n/i	3	2	2	5	1,7,13
Momentum 205	E	U	G	n/i	1	5	5	2	1,7,13
Momentum 304	E	U	G	n/i	3	3	3	2	1,7,13
MOMEX 4404	E	U	G	n/i	n/i	n/i	n/i	n/i	1,7,13

CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2016 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
MU Exp 15781	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
Pioneer 25R25	M	A	G	S	3	n/i	3	n/i	4,12
Pioneer 25R32	M	A	G	R	3	n/i	5	n/i	4,12
Pioneer 25R40	M	A	G	S	6	n/i	5	n/i	4,12
Pioneer 25R46	L	A	G	S	3	n/i	5	n/i	4,12
Pioneer 25R50	M	U	G	R	3	n/i	3	n/i	4,12
Pioneer 25R77	E	A	G	R	6	n/i	7	n/i	4,12
Pioneer 26R10	L	A	G	R	5	n/i	5	n/i	3,4
Pioneer 26R41	M	A	G	R	6	n/i	3	n/i	3,4
Pioneer 26R53	M	A	G	S	6	n/i	4	n/i	3,4
Pioneer 26R59	M	U	G	S	n/i	n/i	6	n/i	3,4
Pioneer XW13W	L	A	G	I	n/i	n/i	7	n/i	3,4
Progeny 243	M	A	E	n/i	n/i	5	3	n/i	4,16
Progeny 357	M	A	E	n/i	3	5	3	1	4,16
Progeny 870	M	A	E	n/i	3	5	1	1	4,16
Progeny PGX 15-10	M	A	E	R	2	n/i	2	2	4,16
Progeny PGX 15-12	M	U	E	n/i	n/i	n/i	n/i	n/i	4,16
Progeny PGX 15-14	M	U	E	R	5	n/i	4	n/i	4,16
Progeny PGX 15-16	E	U	E	n/i	n/i	n/i	n/i	n/i	4,16
Syngenta SY 007	E	A	G	I	3	2	4	n/i	1,12
Syngenta SY 100	L	U	E	S	5	3	5	n/i	1,12
Syngenta SY 483	L	U	G	S	7	2	3	n/i	1,12
Syngenta SY 547	E	U	G	S	4	3	2	n/i	1,12
Syngenta SY Harrison	M	A	G	S	5	n/i	6	n/i	1,12
Syngenta SY Viper	M	U	F	S	7	n/i	n/i	n/i	1,12
USG 3013	M	U	E	S	2	3	3	3	9,15,17
USG 3197	M	A	G	S	1	n/i	3	3	9,15,17
USG 3316	M	A	E	S	1	n/i	4	3	9,15,17
USG 3404	M	A	E	S	2	2	2	2	9,15,17
USG 3523	M	A	E	S	3	4	3	4	9,15,17
USG 3895	M	A	G	S	5	n/i	2	4	9,15,17
USG Exp.3536	M	A	G	R	2	n/i	3	3	9,15,17
VA Tech VA12W-72	E	A	n/i	n/i	n/i	n/i	2	1	8,10,11
XL 176	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL 194	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i

CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2016 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
XL 205	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

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

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

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

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

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

⁹ 1 = Crusier, 2 = Dividend, 3 = Dividend Extreme, 4 = Gaucho, 5 = Escalate, 6 = Macho, 7 = CruiserMaxx Vibrance

9 = Ipconazole, 10 = Foothold, 11 = Provoke ST, 12 = Vibrance Extreme, 13 = Maxim, 14 = Warden Cereals HR, 15 = Metalaxyl

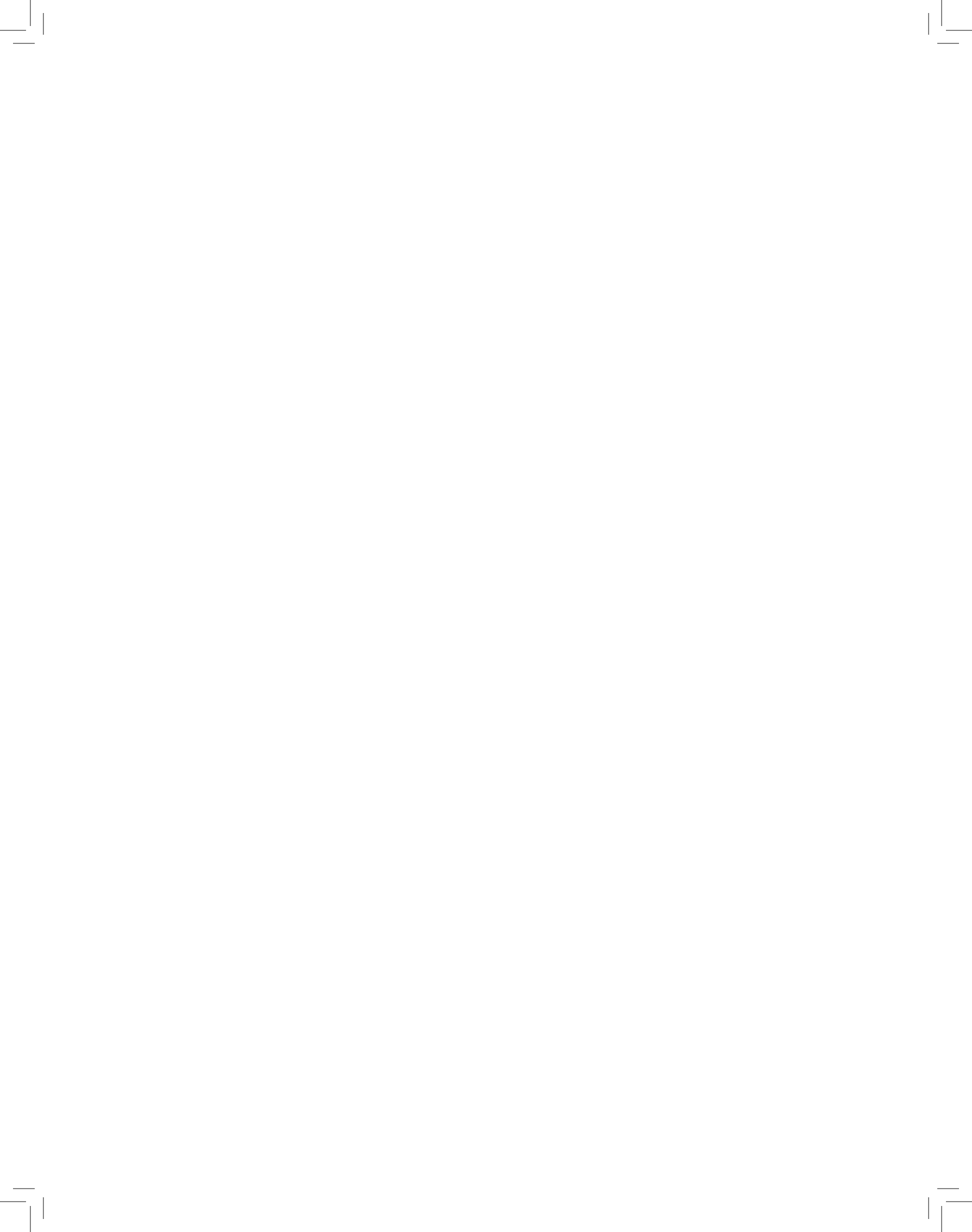
16 = EverGol Energy, 17 = Imidacloprid, 18 = None

SOURCES FOR VARIETIES ENTERED IN THE 2016 MISSOURI WHEAT TESTS

Brand	Company / Address	Phone	URL
AgriMaxx	AgriMaxx Wheat Co. Mascoutah, IL 62258	855-629-9432	agrimaxxwheat.com
Armor	Armor Seed Waldenburg, AR 72475	870-579-2286	armorseed.com
Beck	Beck's Atlanta, IN 46031	800-937-2325	beckshybrids.com
Delta Grow	Delta Grow Seed Co. England, AR 72046	800-530-7933	deltagrow.com
Dixie	Cache River Valley Seed Cash, AR 72421	870-477-5427	crvseed.com
Dyna-Gro	Dyna-Gro Seed Bowling Green, MO 63334	573-324-2423	dynagroseed.com
Equity	Direct Enterprises Inc. Westfield, IN 46074	317-867-2238	---
GoWheat	Stratton Seed Co. Stuttgart, AR 72160	800-264-4433	gostrattonseed.com
Green Valley	Green Valley Seed Kahoka, MO 63445	800-748-7943	gvseed.com
Krause	Krause Seeds Inc. Concordia, MO 64020	660-463-7333	---
Lewis	Lewis Hybrids Ursa, IL 62376	217-964-2131	lewishybrids.com
Limagrain	Limagrain Cereals Cordova, TN 38018	901-266-0955	limagraincerealseeds.com
Merschman	Merschman Seeds, Inc. West Point, IA 52656	319-837-6111	merschmanseeds.com
MFA	MFA Incorporated Columbia, MO 65201	573-876-5363	mfaseed.com
Momentum	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	moseed.org
Pioneer	DuPont Pioneer Bloomington, IL 61704	800-950-3489	pioneer.com
Pioneer	DuPont Pioneer Delaware, OH 43015	740-657-6120	pioneer.com

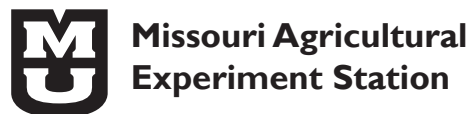
SOURCES FOR VARIETIES ENTERED IN THE 2016 MISSOURI WHEAT TESTS - CONTINUED.

Brand	Company / Address	Phone	URL
Pioneer	DuPont Pioneer Lincoln, NE 68512	800-228-4050	pioneer.com
Progeny	Progeny Ag Products Wynne, AR 72396	870-238-2079	progenyag.com
Public	Missouri Crop Improvement Columbia, MO 65201	573-449-0586	moseed.org
Public	Missouri Foundation Seeds Columbia, MO 65201	573-884-7333	---
Public	University of Arkansas Fayetteville, AR 72701	479-387-8899	---
Public	Virginia Tech Mechanicsville, VA 23116	804-746-4884	virginiacrop.org
Syngenta SY	Syngenta Seeds Berthoud, CO 80513	901-266-4958	agriproheat.com
USG	UniSouth Genetics, Inc. Dixon, TN 37055	800-505-3133	usgseed.com
XL	Service and Supply Coop New Florence, MO 63363	573-835-2485	ssco-op.com



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