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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, central 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; 573-882-2307). The MU Variety Testing Program exists to serve your needs. We want to provide you with the best information possible.



William “Bill” Wiebold

PROCEDURES

REGIONS AND LOCATIONS

The MU Variety Testing program divides the wheat growing area of Missouri into three regions: North, Southwest, and Southeast. Each region contains three locations, and the same varieties are tested in all locations within a region. Locations for 2013 are as follows:

North

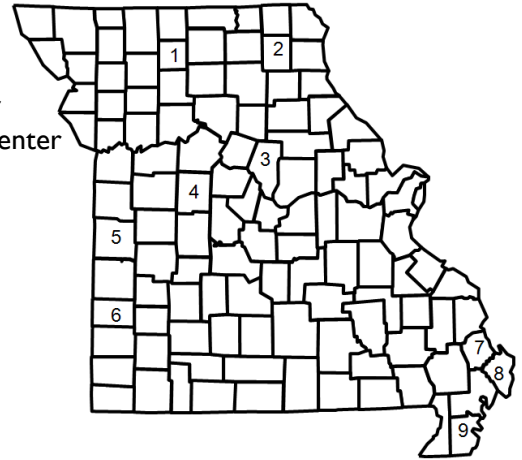
1. Trenton (Grundy County); Peter Brewer farm
2. Novelty (Knox County); Greenley Memorial Research Center
3. Columbia (Boone County); Bradford Research & Extension Center

Southwest

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

Southeast

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



ENTRIES

All seed companies were eligible to enter varieties in the 2013 wheat test. Participation was voluntary and the MU Variety Testing Program exercised no control over which or how many varieties were entered. The MU Variety Testing Program receives no Missouri tax dollars, so a fee was collected for each entry to fund the program.

FIELD PLOT DESIGN AND PLOT MANAGEMENT

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

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

DATA RECORDED

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

COMPARING VARIETIES

The performance of a variety cannot be measured with absolute precision. Uncontrolled variability is involved in the determination of each plot's yield. This variability exists in all field experiments and in farmer fields. Statistics are used to account for this variability and to assist farmers in selecting 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 2013 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.

AUTHORS

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NORTH REGION CROP MANAGEMENT SUMMARY

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

CHARACTERISTICS OF WHEAT TEST LOCATIONS – NORTH REGION

Location	Soil Type	pH	Soil Test			Precipitation ^a				Total ^b
			OM	P	K	Fall	Winter	Apr	May	
		%	pounds/acre	----- inches -----						
Trenton	Lagonda silty clay loam	7.6	3.8	184	786	5.2	5.4	6.4	8.0	25.0
Novelty	Putnam silt loam	5.3	3.6	54	298	7.9	7.6	6.3	9.6	31.4
Columbia	Mexico silt loam	5.7	2.6	34	224	6.1	9.3	8.0	10.1	33.5

^a Fall is October through December; Winter is January through March

^b Region average growing season (October through May) total = 30.0 inches, 7.9 inches above normal

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – NORTH REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Herbicides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
		----pounds/acre----							
Trenton	Oct 3	July 11	136	92	180	Notill	Roundup Power Max	Harmony	Headline/None
Novelty	Oct 3	July 8	121	80	120	Notill	None	Harmony	None/None
Columbia	Oct 4	June 28	140	60	90	Notill	Roundup Power Max	Harmony	None/None

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Merschman Barbie VIII	93.2**	86.2**	56.8	1	34
Limagrain LCS 38686	92.4*	-	58.8	1	38
AgriMaxx Exp1335	91.6*	-	58.0	1	36
MFA 2166	90.8*	-	60.2	1	37
Pioneer 25R77	88.9*	-	59.6	1	34
Limagrain L Brand 203	87.4*	-	59.8	1	38
AgriMaxx 438	86.7*	-	57.6	1	38
Steyer Dowell	86.5*	-	57.2	1	36
MFA 2135	85.6	-	58.9	1	36
Direct Sienna	85.4	78.4	57.8	1	42
Merschman Barbie 9	85.0	-	60.3	1	36
Steyer Kidwell	84.7	-	56.4	1	32
Steyer Hunker	84.3	-	57.4	1	39
Syngenta MA08*8007#	84.3	-	59.2	1	37
Green Valley GV 653	84.1	-	57.8	1	37
Lewis 839	83.9	-	57.5	1	38
Jamestown	83.9	69.2	61.9	1	33
Green Valley GV 662	83.8	-	59.8	1	38
Pioneer 25R40	83.6	76.0	58.8	1	35
MFA 2525	83.4	79.3	57.4	1	42
Steyer Heilman	82.8	-	57.6	1	40
XL Coop 442	82.8	-	57.9	1	42
Dyna-Gro 9223	82.5	-	57.6	1	37
ProHarvest 288	82.2	-	57.6	1	43
AgriMaxx 415	82.1	76.2	60.0	1	35
ProHarvest 334	81.8	-	57.5	1	37
AgriMaxx 413	81.6	77.6	55.7	1	34
Direct Edge	81.2	74.3	59.4	1	37
Syngenta SY 1526	80.4	72.0	58.9	1	40
ProHarvest 311	79.8	76.6	58.0	1	40
XL Coop 180	79.0	-	59.9	1	39
Pioneer 25R39	79.0	79.5	57.0	1	37
Lewis 851	78.8	-	58.9	1	38
Limagrain LCS 34969	78.5	-	58.0	1	39
Direct EXP 101	78.4	-	58.9	1	37
Merschman Katie 12	78.2	-	60.1	1	40
Lewis 829	78.1	74.6	57.4	1	43
Merschman Millie 4	77.9	-	60.9	2	39
Truman	77.8	72.6	59.2	1	38
Merschman Bintee 9	77.7	-	61.5	1	41

TRENTON, MO (GRUNDY COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Bess	77.7	72.1	60.2	1	36
Milton	77.6	73.4	59.0	1	35
Pioneer 25R32	77.2	74.0	58.6	1	36
Limagrain L Brand 168	76.5	-	58.7	1	35
XL Coop 393	76.5	-	59.0	1	40
Syngenta SY 483	75.7	-	56.5	1	39
AgriMaxx 422	75.4	-	58.4	1	35
XL Coop 183	75.1	-	58.8	1	34
Roane	74.5	70.2	60.4	1	37
AgriMaxx Exp1327	73.1	-	60.7	1	43
Dyna-Gro 9171	72.5	75.9	55.7	1	33
Merschman Julie VII	71.7	63.5	62.1	2	38
VA10W-119	71.6	-	58.7	1	37
Syngenta MH07-7474	67.4	-	57.9	1	42
GRAND MEAN	81.1	74.8	58.7	1	38
LSD (10%)	7.1	4.9	0.7		
CV (%)	6.4	6.6	0.9		

***Highest yielding variety in test*

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

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

NOVELTY, MO (KNOX COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 25R40	73.8**	78.3**	54.8	1	34
Pioneer 25R77	71.8*	-	54.7	1	36
AgriMaxx 415	70.9*	73.8	55.5	1	36
Syngenta MA08*8007#	69.9*	-	55.4	1	36
Direct Sienna	69.3*	71.2	52.6	1	43
Green Valley GV 662	69.1*	-	55.4	1	36
AgriMaxx 413	68.8*	73.0	49.8	1	38
Dyna-Gro 9171	68.6	76.8*	50.7	1	37
Pioneer 25R32	67.4	70.9	55.3	1	36
Steyer Heilman	66.6	-	51.9	1	44
Merschman Katie 12	66.4	-	57.2	1	39
Steyer Kidwell	66.2	-	50.2	1	37
Lewis 829	66.0	72.7	52.9	1	43
Limagrain L Brand 203	65.6	-	55.8	1	38
Dyna-Gro 9223	65.4	-	50.2	1	37
Limagrain L Brand 168	65.2	-	53.7	2	35
Merschman Millie 4	64.6	-	57.3	2	38
ProHarvest 288	64.2	-	51.6	1	43
Limagrain LCS 34969	64.1	-	52.5	1	38
AgriMaxx 438	64.0	-	50.3	1	39
Jamestown	63.2	62.2	56.0	1	36
Limagrain LCS 38686	63.1	-	50.8	2	38
Bess	63.0	66.0	54.7	1	39
Direct Edge	62.7	66.6	54.2	1	41
VA10W-119	62.6	-	53.8	1	37
AgriMaxx Exp1335	62.2	-	53.7	1	36
Truman	61.1	63.2	52.5	1	40
Merschman Bintee 9	60.8	-	58.0	1	43
ProHarvest 311	60.8	66.0	50.2	2	38
Steyer Dowell	60.6	-	50.8	1	38
XL Coop 393	60.5	-	53.6	1	38
Merschman Barbie 9	60.3	-	55.1	1	39
Green Valley GV 653	60.2	-	49.7	1	38
Lewis 851	59.6	-	52.0	1	38
XL Coop 442	59.6	-	53.5	1	43
ProHarvest 334	59.4	-	50.2	1	39
Merschman Barbie VIII	59.3	71.9	46.6	1	37
XL Coop 180	58.6	-	54.9	2	39
AgriMaxx Exp1327	58.5	-	57.7	2	40
Direct EXP 101	58.4	-	51.9	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
Pioneer 25R39	57.9	69.3	49.1	1	38
Milton	57.8	64.0	52.2	1	37
MFA 2166	57.2	-	54.4	1	38
Syngenta MH07-7474	57.1	-	51.5	1	40
Lewis 839	56.9	-	49.7	1	39
Steyer Hunker	56.4	-	48.0	1	37
XL Coop 183	56.1	-	51.8	1	42
AgriMaxx 422	56.0	-	50.9	1	37
MFA 2525	55.3	67.9	51.4	1	40
Merschman Julie VII	55.3	54.4	58.5	2	38
Syngenta SY 483	52.2	-	49.3	1	37
MFA 2135	51.4	-	50.6	1	38
Syngenta SY 1526	50.9	50.5	50.0	2	39
Roane	48.9	55.1	54.2	2	35
GRAND MEAN	61.7	67.0	52.8	1	38
LSD (10%)	5.0	3.8	1.6		
CV (%)	6.0	6.2	2.2		

***Highest yielding variety in test*

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

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

COLUMBIA, MO (BOONE COUNTY) - NORTH REGION

Brand/Variety	Yield Bu/ Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
ProHarvest 288	69.0**	-	56.2	1	45
Steyer Heilman	67.9*	-	57.2	1	43
Pioneer 25R40	67.3*	68.7*	57.8	1	36
Syngenta MH07-7474	66.1*	-	56.8	1	42
AgriMaxx 415	66.1*	67.9*	58.3	1	38
Pioneer 25R77	65.7*	-	57.7	1	36
Direct Sienna	65.0*	64.5	57.4	1	40
Lewis 839	64.9*	-	52.3	1	41
XL Coop 183	64.0*	-	56.3	1	40
AgriMaxx 438	63.3	-	52.4	1	38
XL Coop 393	63.0	-	59.5	1	42
AgriMaxx 413	63.0	70.0**	56.0	1	36
Lewis 851	61.8	-	54.9	1	42
Direct Edge	61.4	64.1	58.0	1	40
Steyer Hunker	61.3	-	53.4	1	40
MFA 2525	61.3	66.3	55.5	1	44
ProHarvest 334	61.2	-	51.8	1	42
Merschman Barbie 9	60.9	-	56.8	1	38
Limagrain L Brand 203	60.7	-	59.9	1	37
Bess	60.7	64.8	60.2	1	40
Pioneer 25R39	60.5	68.2*	55.0	1	39
Truman	60.5	62.9	56.5	1	40
Green Valley GV 662	60.3	-	58.3	1	38
Syngenta SY 1526	60.3	53.1	56.0	1	41
Merschman Bintee 9	59.9	-	61.4	1	42
MFA 2166	59.9	-	56.5	1	42
Direct EXP 101	59.7	-	52.7	1	40
VA10W-119	59.6	-	55.4	1	40
Pioneer 25R32	59.3	67.9	57.0	1	39
Merschman Katie 12	59.1	-	57.7	1	40
XL Coop 442	59.0	-	57.1	1	45
Dyna-Gro 9223	58.7	-	52.2	1	41
Green Valley GV 653	58.7	-	52.7	1	39
Jamestown	58.7	57.5	60.1	1	36
Limagrain LCS 34969	58.5	-	56.2	1	39
AgriMaxx Exp1335	58.4	-	54.2	1	37
Limagrain LCS 38686	58.2	-	56.1	1	40
Dyna-Gro 9171	58.2	66.8*	55.2	1	36
ProHarvest 311	57.8	64.6	52.8	1	39
Merschman Millie 4	57.7	-	59.5	1	38

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 Exp1327	57.6	-	60.7	1	44
Milton	57.6	57.8	56.9	1	41
Steyer Kidwell	57.5	-	55.3	1	38
XL Coop 180	57.5	-	59.0	1	41
AgriMaxx 422	57.4	-	54.0	1	39
Merschman Julie VII	57.4	58.1	61.4	1	41
Limagrain L Brand 168	56.3	-	58.3	1	40
Steyer Dowell	56.0	-	52.2	1	38
Syngenta MA08*8007#	55.6	-	58.2	1	40
Lewis 829	54.3	62.4	55.7	1	41
Roane	51.9	56.8	57.2	1	37
Merschman Barbie VIII	51.5	62.7	52.0	1	35
MFA 2135	51.0	-	54.1	1	39
Syngenta SY 483	43.5	-	49.8	1	37
GRAND MEAN	59.9	63.4	56.2	1	40
LSD (10%)	5.6	3.4	1.3		
CV (%)	6.9	5.7	1.7		

***Highest yielding variety in test*

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

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

NORTH REGION SUMMARY

Brand/Variety	Trenton Bu/Ac	Novelty Bu/Ac	Columbia Bu/Ac	Mean Bu/Ac
Pioneer 25R77	88.9*	71.8*	65.7*	75.5**
Pioneer 25R40	83.6	73.8**	67.3*	74.9*
Direct Sienna	85.4	69.3*	65.0*	73.2*
AgriMaxx 415	82.1	70.9*	66.1*	73.0*
Steyer Heilman	82.8	66.6	67.9*	72.4*
ProHarvest 288	82.2	64.2	69.0**	71.8
AgriMaxx 438	86.7*	64.0	63.3	71.3
Limagrain L Brand 203	87.4*	65.6	60.7	71.2
Limagrain LCS 38686	92.4*	63.1	58.2	71.2
AgriMaxx 413	81.6	68.8*	63.0	71.1
Green Valley GV 662	83.8	69.1*	60.3	71.1
AgriMaxx Exp1335	91.6*	62.2	58.4	70.7
Syngenta MA08*8007#	84.3	69.9*	55.6	69.9
Steyer Kidwell	84.7	66.2	57.5	69.5
MFA 2166	90.8*	57.2	59.9	69.3
Dyna-Gro 9223	82.5	65.4	58.7	68.9
Merschman Barbie 9	85.0	60.3	60.9	68.7
Jamestown	83.9	63.2	58.7	68.6
Lewis 839	83.9	56.9	64.9*	68.6
Direct Edge	81.2	62.7	61.4	68.4
Merschman Barbie VIII	93.2**	59.3	51.5	68.0
Pioneer 25R32	77.2	67.4	59.3	68.0
Merschman Katie 12	78.2	66.4	59.1	67.9
Steyer Dowell	86.5*	60.6	56.0	67.7
Green Valley GV 653	84.1	60.2	58.7	67.7
ProHarvest 334	81.8	59.4	61.2	67.5
Steyer Hunker	84.3	56.4	61.3	67.3
Bess	77.7	63.0	60.7	67.1
XL Coop 442	82.8	59.6	59.0	67.1
Limagrain LCS 34969	78.5	64.1	58.5	67.0
Lewis 851	78.8	59.6	61.8	66.7
Merschman Millie 4	77.9	64.6	57.7	66.7
MFA 2525	83.4	55.3	61.3	66.7
XL Coop 393	76.5	60.5	63.0	66.7
Truman	77.8	61.1	60.5	66.5
Dyna-Gro 9171	72.5	68.6	58.2	66.4
Lewis 829	78.1	66.0	54.3	66.1
Merschman Bintee 9	77.7	60.8	59.9	66.1
ProHarvest 311	79.8	60.8	57.8	66.1
Limagrain L Brand 168	76.5	65.2	56.3	66.0

NORTH REGION SUMMARY

Brand/Variety	Trenton Bu/Ac	Novelty Bu/Ac	Columbia Bu/Ac	Mean Bu/Ac
Pioneer 25R39	79.0	57.9	60.5	65.8
Direct EXP 101	78.4	58.4	59.7	65.5
XL Coop 183	75.1	56.1	64.0*	65.1
XL Coop 180	79.0	58.6	57.5	65.0
VA10W-119	71.6	62.6	59.6	64.6
Milton	77.6	57.8	57.6	64.3
Syngenta SY 1526	80.4	50.9	60.3	63.9
Syngenta MH07-7474	67.4	57.1	66.1*	63.5
AgriMaxx Exp1327	73.1	58.5	57.6	63.1
AgriMaxx 422	75.4	56.0	57.4	62.9
MFA 2135	85.6	51.4	51.0	62.7
Merschman Julie VII	71.7	55.3	57.4	61.5
Roane	74.5	48.9	51.9	58.4
Syngenta SY 483	75.7	52.2	43.5	57.1
GRAND MEAN	81.1	61.7	59.9	67.6
LSD (10%)	7.1	5.0	5.6	3.2
CV (%)	6.4	6.0	6.9	6.1

**Highest yielding variety in test

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

SOUTHWEST REGION CROP MANAGEMENT SUMMARY

The Wheat Test was conducted at three locations in the Southwest Region (Hughesville, Adrian, Lamar). Planting was delayed at Hughesville because of weather. A summer storm with high winds on June 15 caused moderate lodging at the Adrian location. A fungicide was applied at Hughesville and Adrian. An insecticide was applied to control aphids at Adrian and Lamar.

CHARACTERISTICS OF WHEAT TEST LOCATIONS – SOUTHWEST REGION

Location	Soil Type	pH	Soil Test			Precipitation ^a				
			OM	P	K	Fall	Winter	Apr	May	Total ^b
		%	pounds/acre			----- inches -----				
Hughesville	Arispe silt loam	5.6	2.3	166	356	7.9	9.3	6.1	8.3	31.6
Adrian	Kenoma silt loam	5.5	3.3	28	286	3.4	10.3	5.5	6.8	26.0
Lamar	Parsons silt loam	7.4	2.8	48	270	7.6	8.2	6.2	7.2	29.2

^a Fall is October through December; Winter is January through March

^b Region average growing season (October through May) total = 28.9 inches, 5.5 inches above normal

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – SOUTHWEST REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Herbicides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
		----pounds/acre----							
Hughesville	Nov 8	July 12	90	50	45	Conv.	None	Harmony	Prosaro / None
Adrian	Oct 9	July 3	100	80	100	Conv.	None	Harmony	Headline/ Proaxis
Lamar	Oct 9	June 26	70	100	80	Conv.	None	Harmony	None/ Warrior

HUGHESVILLE, MO (PETTIS COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 25R40	72.4**	71.9**	61.1	1	33
Steyer Heilman	70.8*	-	59.0	1	40
Pioneer 25R32	69.5*	68.9*	60.0	2	32
ProHarvest 288	69.1*	-	58.5	1	39
Pioneer 25R77	68.7*	-	59.1	1	33
Lewis 829	68.6*	68.4	58.4	2	38
Syngenta MH07-7474	68.6*	-	60.2	2	36
Direct Sienna	68.3*	66.5	58.3	1	38
Syngenta SY Harrison	67.9*	69.3*	57.4	2	34
AgriMaxx 415	67.7*	65.9	61.1	1	33
AgriMaxx 413	66.7	67.7	57.4	2	32
Direct Edge	66.4	65.1	58.5	1	37
Syngenta SY 1526	65.5	62.4	58.7	1	37
AgriMaxx Exp1335	65.3	-	57.4	1	33
Steyer Kidwell	65.2	-	57.0	1	32
Lewis 851	64.7	-	58.9	2	32
Milton	64.1	64.4	60.1	1	34
Dyna-Gro 9223	63.9	-	57.1	2	37
Lewis 839	63.8	-	57.9	1	36
ProHarvest 334	63.6	-	57.0	1	37
Steyer Dowell	63.6	-	58.0	1	35
AgriMaxx 438	63.3	-	56.3	2	36
Steyer Hunker	61.4	-	57.6	1	36
AgriMaxx Exp1327	61.2	-	61.9	2	37
Pioneer 25R39	61.1	66.8	57.8	1	32
Dyna-Gro 9343	60.8	-	58.0	1	36
Merschman Barbie 9	60.5	-	59.4	1	36
MFA 2525	60.3	66.2	59.0	1	36
ProHarvest 311	60.3	66.0	57.0	2	37
MFA 2166	59.8	-	59.8	1	36
Bess	59.5	62.2	60.9	2	38
VA10W-119	59.5	-	58.8	2	36
AgriMaxx 422	59.3	-	57.8	2	35
Medoc Valley MVI-16	59.3	66.8	55.1	1	31
Direct EXP 101	59.2	-	57.6	2	34
Jamestown	58.1	61.8	60.0	1	34
Merschman Bintee 9	58.1	-	61.9	1	38
Merschman Katie 12	57.6	-	61.0	2	36
Merschman Barbie VIII	57.2	66.1	53.7	3	31
Merschman Julie VII	57.2	55.6	63.4	3	38

HUGHESVILLE, MO (PETTIS COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
MFA 2135	54.8	-	56.3	2	34
Syngenta SY 483	54.8	-	56.4	1	37
Syngenta Oakes	54.7	57.7	59.4	1	34
Truman	54.5	61.5	58.8	2	35
Medoc Valley MVI-13	54.2	59.1	57.3	1	32
Merschman Millie 4	52.6	-	60.2	4	36
Medoc Valley MVI-30	49.1	-	59.2	1	32
Limagrain LCS 08-12	46.9	-	54.4	2	31
Roane	44.2	53.1	57.1	2	33
GRAND MEAN	61.3	64.2	58.7	2	35
LSD (10%)	4.7	3.3	1.5		
CV (%)	5.6	5.5	1.9		

***Highest yielding variety in test*

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

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

ADRIAN, MO (BATES COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Pioneer 25R40	78.9**	75.2**	58.5	4	36
ProHarvest 288	75.8*	-	56.0	3	46
Direct Sienna	73.9*	68.6	57.0	2	47
Medoc Valley MVI-16	72.3*	66.4	50.2	1	33
Steyer Heilman	71.5*	-	58.6	1	44
AgriMaxx 415	70.3*	69.4	57.9	1	39
Pioneer 25R77	68.4	-	56.8	3	36
Lewis 851	67.6	-	55.7	3	40
Lewis 839	66.1	-	56.3	2	38
Pioneer 25R32	65.1	65.3	56.3	3	39
Dyna-Gro 9343	64.5	-	56.5	3	38
Direct Edge	63.2	63.8	55.5	2	44
Direct EXP 101	62.6	-	56.2	1	40
Lewis 829	62.6	66.9	53.8	3	44
Roane	62.3	61.2	57.9	2	38
Merschman Bintee 9	60.3	-	60.7	2	42
Syngenta SY Harrison	59.8	63.5	52.5	2	39
Truman	59.8	57.6	57.9	4	40
Syngenta MH07-7474	58.9	-	55.9	3	41
Jamestown	57.9	60.9	56.7	3	36
Syngenta Oakes	57.7	61.2	55.4	3	40
Medoc Valley MVI-13	57.7	56.3	54.2	1	34
Steyer Dowell	57.5	-	52.3	4	42
Merschman Katie 12	57.4	-	58.7	2	41
Bess	57.1	59.1	58.4	2	47
Dyna-Gro 9223	56.7	-	53.6	2	40
Steyer Hunker	56.0	-	52.3	4	43
Steyer Kidwell	55.7	-	51.0	1	36
AgriMaxx 413	55.1	62.1	51.1	2	36
AgriMaxx 438	54.0	-	52.5	3	41
Merschman Barbie 9	53.5	-	54.7	3	41
Milton	53.4	61.3	57.1	2	39
AgriMaxx Exp1335	53.3	-	53.1	3	40
ProHarvest 311	53.2	58.5	50.8	3	40
AgriMaxx 422	53.0	-	51.5	4	40
Merschman Barbie VIII	52.8	58.7	50.8	2	36
MFA 2525	52.6	61.3	56.4	2	44
Pioneer 25R39	52.0	57.5	55.5	2	40
MFA 2166	51.2	-	53.3	3	40
Syngenta SY 1526	51.2	51.8	53.8	3	44

ADRIAN, MO (BATES COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
AgriMaxx Exp1327	51.0	-	58.3	2	40
Merschman Millie 4	49.7	-	55.8	4	39
Limagrain LCS 08-12	48.8	-	52.8	1	36
MFA 2135	46.8	-	52.2	3	41
ProHarvest 334	45.5	-	51.1	3	40
Syngenta SY 483	45.3	-	53.0	2	38
VA10W-119	44.0	-	54.5	2	40
Merschman Julie VII	42.6	48.7	58.3	4	39
Medoc Valley MVI-30	39.3	-	52.2	2	33
GRAND MEAN	57.3	61.6	55.0	2	40
LSD (10%)	8.6	4.6	2.1		
CV (%)	11.1	8.2	2.8		

***Highest yielding variety in test*

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

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

LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Medoc Valley MVI-13	56.4**	63.9**	59.8	1	36
Pioneer 25R32	54.7*	52.7	61.9	1	39
Lewis 839	53.8*	-	58.9	1	38
Syngenta Oakes	53.8*	52.9	61.1	1	38
MFA 2135	53.4*	-	61.4	1	38
Merschman Millie 4	52.9*	-	61.4	1	40
Pioneer 25R40	52.3*	62.7*	61.5	1	35
AgriMaxx 415	52.3*	52.5	61.2	1	39
AgriMaxx 422	52.2*	-	60.2	1	38
Pioneer 25R77	52.1*	-	61.6	1	38
AgriMaxx 413	51.1*	54.3	58.2	1	37
MFA 2525	50.8	59.0*	60.7	1	44
Steyer Dowell	50.5	-	59.6	1	39
Lewis 829	50.4	56.4	56.2	1	45
AgriMaxx Exp1335	50.1	-	60.6	1	38
Limagrain LCS 08-12	50.1	-	60.8	1	36
Medoc Valley MVI-16	50.1	63.6*	58.4	1	35
Syngenta SY Harrison	50.1	52.6	57.3	1	37
Milton	49.1	51.9	61.9	1	40
Merschman Bintee 9	48.9	-	61.3	1	43
Syngenta SY 1526	48.5	37.5	60.4	1	40
ProHarvest 288	48.4	-	59.5	1	44
AgriMaxx Exp1327	48.3	-	62.4	1	43
Merschman Barbie 9	48.1	-	60.7	1	39
Lewis 851	47.8	-	60.7	1	42
Steyer Kidwell	47.8	-	58.1	1	36
Syngenta MH07-7474	47.8	-	60.5	1	40
Pioneer 25R39	46.5	51.3	60.5	1	38
Merschman Katie 12	46.0	-	61.1	1	42
MFA 2166	46.0	-	60.1	1	40
Truman	45.4	52.1	61.8	1	39
Syngenta SY 483	45.3	-	60.4	1	39
Merschman Barbie VIII	45.2	51.0	59.2	1	37
Dyna-Gro 9223	45.1	-	60.0	1	42
AgriMaxx 438	43.3	-	59.1	1	39
Jamestown	43.0	45.7	62.8	1	35
Direct Sienna	42.7	50.1	59.5	1	45
ProHarvest 311	42.5	43.7	59.3	1	41
Steyer Heilman	41.8	-	59.2	1	46
Direct Edge	41.8	43.6	59.9	1	44

LAMAR, MO (BARTON COUNTY) - SOUTHWEST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Bess	41.4	49.1	61.9	1	40
ProHarvest 334	40.9	-	60.1	1	38
Steyer Hunker	40.8	-	59.7	1	38
Merschman Julie VII	40.2	44.2	61.7	1	40
Dyna-Gro 9343	39.8	-	60.8	1	41
Direct EXP 101	39.1	-	60.3	1	39
VA10W-119	39.1	-	60.9	2	39
Roane	38.3	42.6	61.3	1	37
Medoc Valley MVI-30	36.8	-	59.4	1	33
GRAND MEAN	47.1	52.3	60.4	1	39
LSD (10%)	5.5	5.2	1.7		
CV (%)	8.6	11.1	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= no lodging and 5=plants are completely flat

SOUTHWEST REGION SUMMARY

Brand/Variety	Hughesville Bu/Ac	Adrian Bu/Ac	Lamar Bu/Ac	Mean Bu/Ac
Pioneer 25R40	72.4**	78.9**	52.3*	67.9**
ProHarvest 288	69.1*	75.8*	48.4	64.4*
AgriMaxx 415	67.7*	70.3*	52.3*	63.4
Pioneer 25R32	69.5*	65.1	54.7*	63.1
Pioneer 25R77	68.7*	68.4	52.1*	63.1
Direct Sienna	68.3*	73.9*	42.7	61.6
Steyer Heilman	70.8*	71.5*	41.8	61.4
Lewis 839	63.8	66.1	53.8*	61.2
Medoc Valley MVI-16	59.3	72.3*	50.1	60.6
Lewis 829	68.6*	62.6	50.4	60.5
Lewis 851	64.7	67.6	47.8	60.0
Syngenta SY Harrison	67.9*	59.8	50.1	59.3
Syngenta MH07-7474	68.6*	58.9	47.8	58.4
AgriMaxx 413	66.7	55.1	51.1*	57.6
Steyer Dowell	63.6	57.5	50.5	57.2
Direct Edge	66.4	63.2	41.8	57.1
AgriMaxx Exp1335	65.3	53.3	50.1	56.2
Steyer Kidwell	65.2	55.7	47.8	56.2
Medoc Valley MVI-13	54.2	57.7	56.4**	56.1
Merschman Bintee 9	58.1	60.3	48.9	55.8
Milton	64.1	53.4	49.1	55.5
Syngenta Oakes	54.7	57.7	53.8*	55.4
Dyna-Gro 9223	63.9	56.7	45.1	55.2
Syngenta SY 1526	65.5	51.2	48.5	55.1
Dyna-Gro 9343	60.8	64.5	39.8	55.0
AgriMaxx 422	59.3	53.0	52.2*	54.8
MFA 2525	60.3	52.6	50.8	54.6
Merschman Barbie 9	60.5	53.5	48.1	54.0
Merschman Katie 12	57.6	57.4	46.0	53.7
Direct EXP 101	59.2	62.6	39.1	53.6
AgriMaxx 438	63.3	54.0	43.3	53.5
AgriMaxx Exp1327	61.2	51.0	48.3	53.5
Truman	54.5	59.8	45.4	53.2
Pioneer 25R39	61.1	52.0	46.5	53.2
Jamestown	58.1	57.9	43.0	53.0
Steyer Hunker	61.4	56.0	40.8	52.7
Bess	59.5	57.1	41.4	52.7
MFA 2166	59.8	51.2	46.0	52.3
ProHarvest 311	60.3	53.2	42.5	52.0
Merschman Barbie VIII	57.2	52.8	45.2	51.7

SOUTHWEST REGION SUMMARY

Brand/Variety	Hughesville Bu/Ac	Adrian Bu/Ac	Lamar Bu/Ac	Mean Bu/Ac
Merschman Millie 4	52.6	49.7	52.9*	51.7
MFA 2135	54.8	46.8	53.4*	51.7
ProHarvest 334	63.6	45.5	40.9	50.0
Limagrain LCS 08-12	46.9	48.8	50.1	48.6
Syngenta SY 483	54.8	45.3	45.3	48.5
Roane	44.2	62.3	38.3	48.3
VA10W-119	59.5	44.0	39.1	47.5
Merschman Julie VII	57.2	42.6	40.2	46.7
Medoc Valley MVI-30	49.1	39.3	36.8	41.7
GRAND MEAN	61.3	57.3	47.1	55.2
LSD (10%)	4.7	8.6	5.5	3.6
CV (%)	5.6	11.1	8.6	8.3

**Highest yielding variety in test

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

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

SOUTHEAST REGION CROP MANAGEMENT SUMMARY

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

CHARACTERISTICS OF WHEAT TEST LOCATIONS – SOUTHEAST REGION

Location	Soil Type	pH	Soil Test			Precipitation ^a				Total ^b
			OM	P	K	Fall	Winter	Apr	May	
		%	pounds/acre			----- inches -----				
Chaffee	Commerce silt loam	6.9	2.3	150	258	9.1	12.3	6.4	5.6	33.4
Charleston	Dundee silt loam	6.8	1.8	26	282	7.7	12.1	4.7	4.6	29.1
Portageville	Tiptonville silt loam	6.1	0.9	66	252	8.6	18.9	7.0	7.7	42.2

^a Fall is October through December; Winter is January through March

^b Region average growing season (October through May) total = 34.9 inches, 1.4 inches above normal

CROP MANAGEMENT PRACTICES AT THE WHEAT TEST LOCATIONS – SOUTHEAST REGION

Location	Dates		Fertilizer			Tillage	Herbicide		Fungicides/Herbicides
	Planting	Harvest	N	P ₂ O ₅	K ₂ O		Pre	Post	
				----pounds/acre----					
Chaffee	Oct 23	June 25	125	0	0	Conv	None	Harmony	None/ None
Charleston	Oct 23	June 25	120	60	60	Conv.	None	Harmony	None/ Karate
Portageville	Oct 16	June 24	125	0	0	Conv.	None	Harmony	None/ None

CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Armor ARX1206	87.1**	-	58.0	1	37
Dixie DEX 13-3	86.2*	-	60.0	1	38
AgriMaxx 413	81.1	80.5*	56.2	1	36
USG 3404	80.1	-	57.3	1	35
Dixie DEX 13-2	80.0	-	56.8	1	33
Dixie McAlister	79.8	79.6	56.7	1	32
USG 3251	79.6	78.5	58.5	1	37
Dixie DEX 13-1	78.4	-	58.2	1	34
Merschman Katie 12	77.6	-	59.4	1	40
AgriMaxx 415	77.4	76.6	59.7	1	36
Dyna-Gro 9053	77.2	83.6**	55.9	1	36
Dixie Kelsey	76.5	75.2	59.2	1	37
Pioneer 25R78	76.2	74.5	58.0	1	34
Limagrain LCS 34969	75.9	-	58.4	1	38
USG 3013	75.9	-	58.2	1	40
Armor Rampage	75.6	75.5	57.4	1	37
MFA 2525	75.4	74.2	57.4	1	42
Syngenta SY Harrison	75.3	75.6	57.1	1	34
Warren McKay 110	75.2	-	58.1	1	38
Syngenta W1104	75.1	74.1	57.7	1	37
Armor ARX1107	74.7	77.3	57.1	1	37
Terral TV8525	74.7	76.0	58.2	1	37
Pioneer 25R40	74.6	-	58.1	1	35
Pioneer 26R10	74.6	75.5	57.4	1	34
Syngenta SY 9978	74.4	71.8	57.1	1	37
Armor Ricochet	74.2	74.6	56.2	1	34
Merschman Barbie VIII	74.0	75.9	55.8	1	34
AGS 2057	73.9	-	58.1	1	35
Dyna-Gro 9223	73.9	-	57.7	1	39
Dixie Xtreme	73.5	-	57.8	1	40
USG 3555	73.4	74.9	56.4	2	34
Pioneer 26R41	73.0	-	58.0	1	34
Direct EXP 101	72.9	-	57.5	1	38
AgriMaxx 422	72.9	-	56.9	1	38
AgriMaxx Exp1335	72.8	-	56.2	1	36
USG 3438	72.3	74.1	56.0	1	33
Warren McKenna 200	72.2	-	59.0	1	36
Progeny PGX 12-10	72.2	-	55.9	2	36
MFA 2135	72.2	-	57.4	1	35
Armor ARX1204	72.0	-	56.9	1	38

CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Milton	71.6	76.2	58.6	2	35
Delta Grow 7500	71.4	70.1	55.9	1	35
Warren McKenna 300	71.4	-	59.0	2	39
AGS 2056	71.3	75.9	55.4	1	35
Pioneer 26R53	70.6	-	58.5	1	36
MFA 2166	70.6	-	58.2	1	41
Armor ARX1270	70.5	-	57.5	1	39
Limagrain L Brand 203	70.4	-	59.2	1	38
AgriMaxx 438	70.1	-	57.1	1	38
Syngenta Oakes	69.9	72.6	59.0	2	34
Limagrain L Brand 168	69.6	-	57.6	1	38
Merschman Barbie 9	69.4	-	58.7	1	39
Delta Grow 7300	69.1	73.6	54.8	1	36
USG 3833	69.0	-	56.8	1	38
Delta Grow 7000	68.7	-	58.4	1	36
Syngenta CK 9553	68.6	-	58.6	2	36
Delta Grow 7200	68.5	-	57.2	1	36
Terral TV8861	68.4	73.4	57.9	1	36
Direct Sienna	68.1	67.8	57.6	1	42
Progeny P 308	67.8	-	58.0	1	34
Progeny P 185	67.3	-	57.2	1	39
Terral TV8848	67.2	74.0	57.7	1	36
Progeny P 357	67.1	-	54.8	1	36
AgriMaxx Exp1327	66.6	-	59.6	2	39
Progeny PGX 12-3	66.4	-	55.0	1	35
Merschman Bintee 9	66.2	-	59.1	1	40
AGS 2035	66.1	75.4	58.0	1	39
Direct Edge	65.8	64.8	57.8	1	42
Pioneer XW11G	65.4	-	58.3	1	35
Delta Grow 9700	65.1	-	56.9	1	38
Dyna-Gro WX12803	64.9	-	56.5	1	39
Merschman Millie 4	64.4	-	59.3	2	36
Armor Rocket	64.2	-	59.1	1	37
Pioneer 26R22	64.2	68.4	57.8	1	37
USG 3993	64.1	-	57.7	1	37
Progeny P 117	64.0	-	56.7	2	36
Limagrain LCS 38686	63.9	-	59.1	2	36
Progeny P 870	63.9	-	55.1	1	32
Roane	63.0	65.7	60.3	1	37
Pioneer 25R32	62.6	68.2	57.8	1	35

CHAFFEE, MO (SCOTT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Bess	61.9	65.8	58.3	1	38
Pioneer 25R56	61.7	70.2	56.1	1	38
Jamestown	60.6	63.7	58.7	1	34
AGS 2038	60.5	-	59.2	3	40
Terral TV8535	59.4	68.8	54.1	1	35
Pioneer 26R20	58.1	69.0	55.8	1	37
VA10W-119	58.1	-	57.3	3	38
Merschman Julie VII	56.8	61.2	60.3	2	38
Progeny P 125	52.2	-	54.1	1	35
GRAND MEAN	70.3	73.0	57.6	1	37
LSD (10%)	5.9	3.9	0.8		
CV (%)	6.2	5.6	1.1		

***Highest yielding variety in test*

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

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

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
USG 3404	84.1**	-	60.7	1	36
Pioneer 26R10	83.0*	74.6**	60.8	1	37
Progeny PGX 12-10	83.0*	-	60.0	1	34
AgriMaxx 438	82.9*	-	60.2	1	37
Dyna-Gro 9053	82.9*	70.6*	58.9	1	37
USG 3993	82.4*	-	62.0	1	33
AgriMaxx 413	82.2*	71.8*	60.2	1	37
Dixie Xtreme	82.1*	-	59.4	1	40
Delta Grow 9700	81.9*	-	60.4	1	39
Syngenta W1104	81.8*	70.0*	60.4	1	36
Dixie McAlister	81.5*	70.3*	60.3	1	32
USG 3833	81.1*	-	60.7	1	39
Progeny P 870	80.9*	-	59.8	1	34
Dyna-Gro WX12803	80.0*	-	60.2	1	38
Pioneer 25R40	79.7*	-	61.9	1	37
Armor ARX1204	79.4*	-	60.3	1	36
USG 3438	79.1*	66.9	60.4	1	36
Delta Grow 7000	78.8*	-	62.5	1	36
Terral TV8848	78.7*	70.9*	61.9	1	38
Terral TV8535	77.7*	68.5	60.1	1	34
USG 3013	77.6*	-	59.9	2	38
Dixie DXEX 13-2	77.3*	-	60.5	1	34
Merschman Barbie VIII	77.3*	67.4	59.7	1	35
Dyna-Gro 9223	77.2*	-	60.2	1	37
AGS 2038	76.7*	-	60.7	1	41
Progeny PGX 12-3	76.4*	-	59.7	1	33
AGS 2035	76.3*	66.0	62.4	1	39
Armor Ricochet	76.3*	68.0	59.5	1	34
AGS 2057	76.2*	-	61.5	1	37
Pioneer 25R32	76.2*	63.5	62.1	1	36
Pioneer 26R20	76.1*	68.2	61.9	1	36
Dixie DXEX 13-3	76.0*	-	62.8	1	36
Warren McKay 110	76.0*	-	61.6	1	38
Armor ARX1270	75.8*	-	61.6	1	38
Armor ARX1107	75.6	67.7	60.5	1	35
Pioneer 26R41	75.4	-	61.8	1	36
Syngenta SY Harrison	75.1	68.4	60.1	1	36
Direct Sienna	75.0	63.2	59.7	1	43
Syngenta SY 9978	74.9	64.7	59.6	1	39
Direct EXP 101	74.6	-	61.1	2	38

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Merschman Katie 12	74.6	-	62.1	1	36
Progeny P 185	74.4	-	60.7	1	40
Delta Grow 7500	74.1	66.4	60.1	1	34
Dixie DEX 13-1	74.0	-	61.0	1	38
Progeny P 357	74.0	-	58.5	2	36
AgriMaxx Exp1335	73.6	-	60.0	1	33
Delta Grow 7300	73.5	66.9	58.8	1	37
Pioneer 25R56	73.3	63.4	59.3	1	32
Limagrain L Brand 168	73.1	-	60.3	1	37
Armor ARX1206	73.0	-	61.0	1	37
AgriMaxx Exp1327	72.7	-	62.4	1	38
Merschman Bintee 9	72.0	-	62.1	1	38
Pioneer XW11G	72.0	-	61.6	1	37
MFA 2525	71.9	63.5	60.8	2	40
USG 3251	71.4	68.2	61.6	1	35
Direct Edge	70.5	64.1	61.5	1	38
Terral TV8861	70.5	64.4	60.8	1	35
Warren McKenna 200	70.4	-	62.5	1	35
Armor Rampage	70.2	67.0	59.1	1	36
USG 3555	70.1	62.8	60.9	1	32
AgriMaxx 415	70.0	65.3	62.9	1	35
Limagrain LCS 34969	69.6	-	61.0	1	37
Merschman Barbie 9	69.6	-	61.1	1	36
Progeny P 117	69.5	-	61.4	1	37
Dixie Kelsey	69.4	62.1	62.9	1	33
Pioneer 26R53	69.4	-	61.8	1	34
Terral TV8525	69.4	62.8	62.0	1	37
Limagrain LCS 38686	69.3	-	59.8	1	36
Delta Grow 7200	69.1	-	60.3	1	34
AGS 2056	69.0	61.6	59.8	1	34
Milton	68.6	62.5	62.3	1	36
Merschman Millie 4	68.1	-	62.3	1	36
VA10W-119	68.1	-	62.2	1	35
Progeny P 308	68.0	-	62.1	1	36
MFA 2135	67.3	-	61.3	1	37
Roane	67.3	61.5	62.5	1	35
Bess	66.5	59.5	61.5	1	38
Limagrain L Brand 203	66.0	-	61.7	1	36
Armor Rocket	65.9	-	61.8	1	37
Progeny P 125	65.3	-	59.4	1	30

CHARLESTON, MO (MISSISSIPPI COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
AgriMaxx 422	65.2	-	60.1	2	36
Pioneer 25R78	64.9	60.2	61.1	1	33
Syngenta Oakes	64.7	59.1	61.5	1	35
Merschman Julie VII	64.6	60.4	62.9	1	36
Warren McKenna 300	64.5	-	62.6	1	33
MFA 2166	64.3	-	61.0	1	34
Pioneer 26R22	63.8	61.7	61.8	1	36
Syngenta CK 9553	60.9	-	61.6	1	32
Jamestown	60.1	53.6	62.8	1	32
GRAND MEAN	73.4	65.2	61.0	1	36
LSD (10%)	8.4	4.9	0.8		
CV (%)	8.4	7.4	1.0		

***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= no lodging and 5=plants are completely flat

PORTAGEVILLE, MO (PEMISCOT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Armor ARX1107	72.5**	-	57.0	1	35
USG 3404	71.7*	-	57.9	1	36
USG 3251	68.7*	77.4**	58.8	1	33
Armor ARX1206	68.3*	-	57.3	1	34
Armor Rampage	68.3*	-	56.0	1	36
Dixie Kelsey	68.0*	74.3*	58.9	1	34
Warren McKay 110	68.0*	-	58.6	1	36
Pioneer 25R40	67.6*	-	58.1	1	35
USG 3013	67.2*	-	57.4	1	37
AgriMaxx 438	67.1*	-	58.0	1	38
Dixie DEX 13-3	66.8*	-	58.5	1	37
Syngenta SY Harrison	66.8*	-	57.1	1	34
Dixie Xtreme	66.7*	-	57.8	1	38
USG 3555	65.4	74.8*	56.9	1	30
Dixie DEX 13-2	64.9	-	57.3	1	34
Limagrain L Brand 168	64.9	-	56.6	1	35
AGS 2038	64.3	-	58.2	1	41
Dixie DEX 13-1	64.3	-	58.3	1	34
Pioneer 26R22	63.9	70.8	58.2	1	36
Limagrain LCS 34969	63.7	-	57.4	1	38
Terral TV8861	63.3	72.7	58.4	1	34
Pioneer 26R10	63.1	-	57.3	1	36
Warren McKenna 200	63.1	-	58.7	1	33
AgriMaxx 415	63.0	70.9	60.6	1	34
AgriMaxx 413	62.9	74.3*	57.2	1	34
AgriMaxx 422	62.8	-	57.7	1	36
Dixie McAlister	62.6	70.9	55.6	1	32
Progeny PGX 12-10	62.6	-	56.4	1	33
MFA 2135	62.2	-	57.0	1	34
Dyna-Gro 9053	61.9	66.9	55.7	1	32
Limagrain LCS 38686	61.9	-	58.8	1	35
Armor Rocket	61.6	-	58.1	1	34
Progeny PGX 12-3	61.6	-	56.0	1	33
Armor ARX1270	61.3	-	58.0	1	39
Dyna-Gro 9223	61.3	-	56.7	1	38
USG 3438	61.2	72.5	56.4	1	33
Dyna-Gro WX12803	61.1	-	57.6	1	37
Pioneer XW11G	61.0	-	58.4	1	34
Progeny P 308	60.9	-	58.1	1	34
Progeny P 357	60.9	-	55.6	1	35

PORTAGEVILLE, MO (PEMISCOT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Terral TV8525	60.7	68.8	57.7	1	32
USG 3833	60.6	-	57.5	1	36
AGS 2035	60.5	-	58.5	1	36
Pioneer 26R53	60.4	-	58.2	1	33
Armor Ricochet	60.2	69.7	56.3	1	32
Syngenta Oakes	60.1	63.7	59.6	1	35
Direct EXP 101	60.0	-	57.7	1	36
Milton	60.0	64.5	57.6	1	34
VA10W-119	59.9	-	58.5	1	35
Limagrain L Brand 203	59.8	-	58.2	1	35
Syngenta SY 9978	59.8	65.8	57.2	1	38
AgriMaxx Exp1335	59.5	-	56.8	1	34
Merschman Barbie 9	59.3	-	57.7	1	36
AGS 2056	59.2	-	56.5	1	33
Syngenta W1104	59.1	67.8	57.1	1	36
Merschman Millie 4	58.9	-	58.3	1	35
MFA 2525	58.9	-	58.5	1	39
Pioneer 25R78	58.9	69.2	58.0	1	32
Terral TV8848	58.9	70.1	58.0	1	36
Delta Grow 7500	58.8	70.4	57.9	1	35
Bess	58.5	67.1	58.0	1	36
Merschman Bintee 9	58.4	-	59.0	1	38
Progeny P 185	58.2	-	58.3	1	37
Progeny P 870	58.2	-	55.9	1	35
Jamestown	58.1	65.8	58.9	1	32
Warren McKenna 300	57.9	-	59.2	1	33
Delta Grow 7200	57.2	-	56.9	1	33
Delta Grow 7300	57.1	-	55.6	1	34
Pioneer 26R41	57.0	-	57.4	1	31
Syngenta CK 9553	57.0	-	58.3	1	32
Delta Grow 7000	56.7	-	57.6	1	36
Merschman Barbie VIII	56.7	-	57.0	1	31
Merschman Katie 12	56.7	-	57.7	1	36
MFA 2166	56.1	-	58.1	1	35
Progeny P 117	56.0	-	56.0	1	39
AGS 2057	55.8	-	57.5	1	36
Delta Grow 9700	55.7	-	57.2	1	38
AgriMaxx Exp1327	55.6	-	59.0	1	36
Pioneer 26R20	55.5	64.4	57.4	1	36
Progeny P 125	55.2	-	55.2	1	32

PORTAGEVILLE, MO (PEMISCOT COUNTY) - SOUTHEAST REGION

Brand/Variety	Yield Bu/Ac	2-year Mean Bu/Ac	Test Weight Lb/Bu	Lodging ~	Plant Height inches
Armor ARX1204	55.1	-	55.9	1	37
Direct Edge	54.3	-	57.0	1	39
Roane	54.2	-	60.4	1	33
USG 3993	53.9	-	57.5	1	35
Pioneer 25R56	52.7	64.8	56.6	1	36
Terral TV8535	52.3	65.6	55.6	1	32
Merschman Julie VII	51.9	-	59.7	1	39
Pioneer 25R32	49.8	64.0	57.8	1	36
Direct Sienna	49.2	63.9	55.5	1	39
GRAND MEAN	60.5	68.9	57.6	1	35
LSD (10%)	6.3	4.5	0.9		
CV (%)	7.7	7.3	1.2		

***Highest yielding variety in test*

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

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

SOUTHEAST REGION SUMMARY

Brand/Variety	Chaffee Bu/Ac	Charleston Bu/Ac	Portageville Bu/Ac	Mean Bu/Ac
USG 3404	80.1	84.1**	71.7*	78.6**
Dixie DEX 13-3	86.2*	76.0*	66.8*	76.3*
Armor ARX1206	87.1**	73.0	68.3*	76.1*
AgriMaxx 413	81.1	82.2*	62.9	75.4*
Dixie McAlister	79.8	81.5*	62.6	74.6
Armor ARX1107	74.7	75.6	72.5**	74.3
Dixie Xtreme	73.5	82.1*	66.7*	74.1
Dixie DEX 13-2	80.0	77.3*	64.9	74.1
Dyna-Gro 9053	77.2	82.9*	61.9	74.0
Pioneer 25R40	74.6	79.7*	67.6*	74.0
Pioneer 26R10	74.6	83.0*	63.1	73.5
USG 3013	75.9	77.6*	67.2*	73.5
AgriMaxx 438	70.1	82.9*	67.1*	73.4
USG 3251	79.6	71.4	68.7*	73.2
Warren McKay 110	75.2	76.0*	68.0*	73.1
Progeny PGX 12-10	72.2	83.0*	62.6	72.6
Syngenta SY Harrison	75.3	75.1	66.8*	72.4
Dixie DEX 13-1	78.4	74.0	64.3	72.2
Syngenta W1104	75.1	81.8*	59.1	72.0
Armor Rampage	75.6	70.2	68.3*	71.4
Dixie Kelsey	76.5	69.4	68.0*	71.3
USG 3438	72.3	79.1*	61.2	70.9
Dyna-Gro 9223	73.9	77.2*	61.3	70.8
Armor Ricochet	74.2	76.3*	60.2	70.2
USG 3833	69.0	81.1*	60.6	70.2
AgriMaxx 415	77.4	70.0	63.0	70.1
Limagrain LCS 34969	75.9	69.6	63.7	69.7
Syngenta SY 9978	74.4	74.9	59.8	69.7
Merschman Katie 12	77.6	74.6	56.7	69.6
USG 3555	73.4	70.1	65.4	69.6
Merschman Barbie VIII	74.0	77.3*	56.7	69.3
Armor ARX1270	70.5	75.8*	61.3	69.2
Limagrain L Brand 168	69.6	73.1	64.9	69.2
Direct EXP 101	72.9	74.6	60.0	69.2
Armor ARX1204	72.0	79.4*	55.1	68.8
MFA 2525	75.4	71.9	58.9	68.7
Dyna-Gro WX12803	64.9	80.0*	61.1	68.7
AgriMaxx Exp1335	72.8	73.6	59.5	68.6
AGS 2057	73.9	76.2*	55.8	68.6
Warren McKenna 200	72.2	70.4	63.1	68.6

SOUTHEAST REGION SUMMARY

Brand/Variety	Chaffee Bu/Ac	Charleston Bu/Ac	Portageville Bu/Ac	Mean Bu/Ac
Pioneer 26R41	73.0	75.4	57.0	68.5
Terral TV8848	67.2	78.7*	58.9	68.3
Terral TV8525	74.7	69.4	60.7	68.2
Progeny PGX 12-3	66.4	76.4*	61.6	68.1
Delta Grow 7500	71.4	74.1	58.8	68.1
Delta Grow 7000	68.7	78.8*	56.7	68.1
Progeny P 870	63.9	80.9*	58.2	67.7
AGS 2035	66.1	76.3*	60.5	67.6
Delta Grow 9700	65.1	81.9*	55.7	67.6
Terral TV8861	68.4	70.5	63.3	67.4
Progeny P 357	67.1	74.0	60.9	67.3
MFA 2135	72.2	67.3	62.2	67.2
AGS 2038	60.5	76.7*	64.3	67.2
AgriMaxx 422	72.9	65.2	62.8	67.0
Pioneer 26R53	70.6	69.4	60.4	66.8
USG 3993	64.1	82.4*	53.9	66.8
Milton	71.6	68.6	60.0	66.7
Pioneer 25R78	76.2	64.9	58.9	66.7
Progeny P 185	67.3	74.4	58.2	66.6
Delta Grow 7300	69.1	73.5	57.1	66.6
AGS 2056	71.3	69.0	59.2	66.5
Pioneer XW11G	65.4	72.0	61.0	66.1
Merschman Barbie 9	69.4	69.6	59.3	66.1
Progeny P 308	67.8	68.0	60.9	65.6
Merschman Bintee 9	66.2	72.0	58.4	65.5
Limagrain L Brand 203	70.4	66.0	59.8	65.4
Limagrain LCS 38686	63.9	69.3	61.9	65.0
AgriMaxx Exp1327	66.6	72.7	55.6	65.0
Delta Grow 7200	68.5	69.1	57.2	64.9
Syngenta Oakes	69.9	64.7	60.1	64.9
Warren McKenna 300	71.4	64.5	57.9	64.6
Direct Sienna	68.1	75.0	49.2	64.1
Pioneer 26R22	64.2	63.8	63.9	64.0
Armor Rocket	64.2	65.9	61.6	63.9
Merschman Millie 4	64.4	68.1	58.9	63.8
MFA 2166	70.6	64.3	56.1	63.7
Direct Edge	65.8	70.5	54.3	63.5
Pioneer 26R20	58.1	76.1*	55.5	63.2
Progeny P 117	64.0	69.5	56.0	63.2
Terral TV8535	59.4	77.7*	52.3	63.1

SOUTHEAST REGION SUMMARY

Brand/Variety	Chaffee Bu/Ac	Charleston Bu/Ac	Portageville Bu/Ac	Mean Bu/Ac
Pioneer 25R32	62.6	76.2*	49.8	62.9
Pioneer 25R56	61.7	73.3	52.7	62.6
Bess	61.9	66.5	58.5	62.3
Syngenta CK 9553	68.6	60.9	57.0	62.2
VA10W-119	58.1	68.1	59.9	62.0
Roane	63.0	67.3	54.2	61.5
Jamestown	60.6	60.1	58.1	59.6
Merschman Julie VII	56.8	64.6	51.9	57.8
Progeny P 125	52.2	65.3	55.2	57.6
GRAND MEAN	70.3	73.4	60.5	68.0
LSD (10%)	5.9	8.4	6.3	3.8
CV (%)	6.2	8.4	7.7	7.2

**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 2013 MU VARIETY TESTING PROGRAM

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

Variety	Maturity ¹	Head Type ²	Winter Hardy ³	Hessian Fly ⁴	FHB ⁵	Stem Rust ⁶	Leaf Rust ⁷	BYDV ⁸	Seed Treatment ⁹
AgriMaxx 413	M	A	E	I	3	n/i	2	2	1, 3
AgriMaxx 415	M	A	E	I	2	n/i	3	2	1, 3
AgriMaxx 422	E	A	E	I	3	3	2	2	1, 3
AgriMaxx 438	M	A	E	I	2	3	3	3	1, 3
AgriMaxx Exp1327	E	A	E	I	2	3	2	2	1, 3
AgriMaxx Exp1335	M	A	E	I	n/i	n/i	n/i	n/i	1, 3
AGS 2035	M	A	G	R	7	n/i	8	n/i	1, 12
AGS 2038	M	A	G	R	8	n/i	8	n/i	1, 12
AGS 2056	M	A	E	I	8	n/i	8	n/i	1, 12
AGS 2057	M	A	E	n/i	n/i	3	2	2	1, 12
Armor ARX1107	M	A	n/i	n/i	4	4	5	n/i	1, 3
Armor ARX1204	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 3
Armor ARX1206	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 3
Armor ARX1270	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 3
Armor Rampage	M	U	n/i	n/i	4	4	4	4	1, 3
Armor Ricochet	M	A	E	n/i	n/i	n/i	n/i	n/i	1, 3
Armor Rocket	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 3
Bess	E	U	G	S	1	7	7	5	3, 6
Delta Grow 7000	M	A	E	n/i	n/i	3	2	2	3
Delta Grow 7200	M	A	G	n/i	n/i	4	3	3	3
Delta Grow 7300	M	A	E	n/i	n/i	4	3	2	3
Delta Grow 7500	M	A	G	n/i	n/i	3	2	2	3
Delta Grow 9700	L	U	E	n/i	n/i	3	3	3	3
Direct Edge	E	U	E	S	n/i	4	1	3	20
Direct EXP 101	M	U	E	S	2	2	2	2	20
Direct Sienna	E	U	E	S	n/i	3	1	4	20
Dixie DXEX 13-1	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 2
Dixie DXEX 13-2	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 2
Dixie DXEX 13-3	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 2
Dixie Kelsey	M	A	E	n/i	n/i	n/i	2	2	1, 2
Dixie McAlister	M	A	E	n/i	n/i	n/i	2	3	1, 2
Dixie Xtreme	M	U	E	n/i	n/i	3	3	3	1, 2
Dyna-Gro 9053	M	A	E	S	4	3	4	4	21, 22
Dyna-Gro 9171	E	A	E	S	3	3	2	2	21, 22
Dyna-Gro 9223	M	U	E	S	3	3	3	3	21, 22

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE
2013 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
Dyna-Gro 9343	L	U	E	S	2	3	3	3	1, 3
Dyna-Gro WX12803	M	U	E	S	4	2	2	n/i	1, 3
Green Valley GV 653	M	U	E	S	2	3	3	3	1, 2
Green Valley GV 662	M	A	E	S	2	3	2	2	1, 2
Jamestown	E	A	E	R	1	1	2	1	7, 8
Lewis 829	E	U	E	I	4	3	1	4	3, 8
Lewis 839	M	U	E	n/i	5	2	2	n/i	1, 3
Lewis 851	M	A	E	S	2	5	2	3	1, 3, 13
Limagrain LCS 08-12	M	A	E	n/i	2	5	3	3	3, 15
Limagrain L Brand 168	E	U	G	I	1	1	3	3	1, 3
Limagrain L Brand 203	M	U	G	I	3	1	2	3	1, 3
Limagrain LCS 34969	M	U	E	I	2	n/i	2	2	1, 2
Limagrain LCS 38686	M	U	E	I	4	n/i	2	2	1, 2
Medoc Valley MVI-13	L	U	E	S	4	6	4	5	5, 10
Medoc Valley MVI-16	L	A	E	S	5	2	3	3	5, 10
Medoc Valley MVI-30	M	A	G	S	n/i	n/i	5	9	5, 10
Merschman Barbie 9	E	U	E	S	2	n/i	3	1	1, 3
Merschman Barbie VIII	L	A	E	S	3	n/i	3	n/i	1, 3
Merschman Bintee 9	E	U	E	S	3	n/i	2	2	1, 3
Merschman Julie VII	E	U	E	S	2	n/i	2	2	1, 3
Merschman Katie 12	E	U	E	S	5	n/i	2	4	1, 3
Merschman Millie 4	E	U	E	S	3	n/i	3	4	1, 3
MFA 2135	M	A	G	S	4	4	3	3	1, 2
MFA 2166	M	U	G	S	2	3	3	2	1, 2
MFA 2525	M	A	G	S	2	3	3	2	1, 2
Milton	E	A	G	S	5	5	5	5	3, 6
Pioneer 25R32	M	A	G	R	3	n/i	5	n/i	3, 4
Pioneer 25R39	M	U	G	S	5	n/i	3	n/i	3, 4
Pioneer 25R40	M	A	G	S	6	n/i	3	n/i	3, 4
Pioneer 25R56	M	U	E	R	6	n/i	4	n/i	3
Pioneer 25R77	E	A	G	I	6	n/i	6	n/i	3, 4
Pioneer 25R78	E	A	G	I	7	n/i	3	n/i	3, 4
Pioneer 26R10	L	A	G	R	5	n/i	5	n/i	3
Pioneer 26R20	M	A	G	I	8	n/i	4	n/i	3
Pioneer 26R22	M	A	G	S	7	n/i	6	n/i	3

**CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE
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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
Pioneer 26R41	M	A	G	R	6	n/i	3	n/i	3
Pioneer 26R53	M	A	G	S	6	n/i	4	n/i	3
Pioneer XW11G	L	A	G	S	5	n/i	4	n/i	3
Progeny P 117	E	U	E	n/i	1	1	2	3	7, 23
Progeny P 125	E	U	E	n/i	2	4	4	2	7, 23
Progeny P 185	M	U	E	n/i	2	1	1	2	7, 23
Progeny P 308	M	A	E	n/i	4	3	3	2	7, 23
Progeny P 357	M	A	E	n/i	2	2	2	1	7, 23
Progeny P 870	M	A	E	n/i	2	2	1	1	7, 23
Progeny PGX 12-10	M	A	E	n/i	2	2	1	1	7, 23
Progeny PGX 12-3	M	A	E	n/i	1	1	1	n/i	7, 23
ProHarvest 288	M	U	E	n/i	2	3	1	3	14
ProHarvest 311	M	U	E	n/i	2	3	3	2	14
ProHarvest 334	M	U	E	n/i	2	3	3	3	14
Roane	M	U	E	S	3	7	7	5	3, 6
Steyer Dowell	M	U	E	I	2	3	3	2	1, 12
Steyer Heilman	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 12
Steyer Hunker	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	1, 12
Steyer Kidwell	M	A	E	I	3	3	2	2	1, 12
Syngenta CK 9553	E	A	G	S	n/i	n/i	n/i	n/i	1, 12
Syngenta MA08*8007#	M	A	G	n/i	4	1	7	3	1, 2
Syngenta MH07-7474	M	U	E	n/i	2	n/i	n/i	n/i	1, 2
Syngenta Oakes	M	U	G	S	5	1	3	3	1, 12
Syngenta SY 1526	M	U	E	n/i	2	4	6	7	1, 2
Syngenta SY 483	M	U	E	n/i	4	n/i	4	2	1, 2
Syngenta SY 9978	M	A	G	R	6	1	4	3	1, 12
Syngenta SY Harrison	M	A	G	S	5	1	4	4	1, 12
Syngenta W1104	M	U	G	S	3	5	5	3	1, 12
Terral TV8525	M	A	G	n/i	n/i	n/i	3	n/i	3
Terral TV8535	M	A	G	n/i	n/i	n/i	3	n/i	3
Terral TV8848	M	A	G	R	n/i	n/i	3	n/i	3
Terral TV8861	M	A	G	n/i	n/i	n/i	4	n/i	3
Truman	L	U	G	S	3	7	7	5	3, 6
USG 3013	M	A	E	n/i	2	3	3	3	1, 3
USG 3251	M	A	G	n/i	4	n/i	4	n/i	1, 3

CHARACTERISTICS OF SOFT RED WINTER WHEAT VARIETIES ENTERED INTO THE 2013 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
USG 3404	M	A	E	n/i	2	2	2	2	1, 3
USG 3438	M	A	E	n/i	5	n/i	3	n/i	1, 3
USG 3555	E	A	F	n/i	4	1	n/i	3	1, 2
USG 3833	M	A	E	n/i	5	n/i	2	n/i	1, 3
USG 3993	M	A	E	n/i	1	n/i	4	3	1, 3
VA10W-119	M	A	n/i	n/i	n/i	n/i	2	2	7, 8
Warren McKay 110	M	A	E	R	n/i	4	5	3	1, 3
Warren McKenna 200	M	A	E	R	n/i	3	4	2	1, 3
Warren McKenna 300	E	A	E	R	n/i	5	3	3	1, 3
XL Coop 180	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL Coop 183	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL Coop 393	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i	n/i
XL Coop 442	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 = Macho, 6 = Nitro Shield, 7 = Raxil MD, 8 = Storecide II

10 = Rancona Pinnacle, 11 = Metalaxyl, 12 = Vibrance Extreme, 13 = Apron, 14 = Cruiser Extreme, 15 = Cruiser Max

16 = Tebuconazole, 17 = Sativa, 18 = Sebring, 19 = Senator, 20 = N Force, 21 = Foothold Extra

22 = Awaken, 23 = EverGo Energy

SOURCES FOR VARIETIES ENTERED IN THE 2013 MISSOURI WHEAT TESTS

Brand/Variety	Company and Address	Phone	URL
AgriMaxx	AgriMaxx Wheat Co. Mascoutah, IL. 62258	855-629-9432	agrimaxxwheat.com
AGS	AgSouth Albany, GA 31708	229-881-2700	agsouthgenetics.com
Armor	Armor Seed Waldenburg, AR 72475	870-579-2286	armorseed.com
Delta Grow	Delta Grow Seed Co. England, AR 72046	800-530-7933	deltagrow.com
Direct	Direct Enterprises Westfield, IN 46073	317-910-2140	go2dei.com
Dixie	Cache River Valley Seed Cache, AR 72421	870-477-5427	crvseed.com
Dyna-Gro	Dyna-Gro Seed Bowling Green, MO 63334	573-470-1499	dynagroseed.com
Excel	Service & Supply Coop New Florence, MO 63363	573-835-2485	-
Green Valley	Green Valley Seed Kahoka, MO 63445	660-727-3341	gvseed.com
Lewis	Lewis Hybrids Ursa, IL 62376	217-964-2131	lewishybrids.com
Limagrain L	Limagrain Cereal Seeds Bushnell, IL 61422	309-772-2070	limagraincerealseeds.com
Limagrain LCS	Limagrain Cereal Seeds Lafayette, IN 47905	765-426-5207	limagraincerealseeds.com
Limagrain LCS	Limagrain Cereal Seeds Wichita, KS 67204	316-253-6839	limagraincerealseeds.com
Medoc Valley	Medoc Valley Inc. Oronogo, MO 64855	417-642-5300	-
Mershman	Mershman Seeds, Inc. West Point, IA 52656	800-848-7333	mershmanseeds.com
MFA	MFA Inc. Columbia, MO 65201	573-876-5363	mfa-inc.com
Pioneer	Pioneer Hi-Bred International, Inc. Huntsville, AL. 35802	662-820-0893	pioneer.com
Pioneer	Pioneer Hi-Bred International, Inc. Johnston, IA 50131	573-473-7079	pioneer.com
Progeny	Progeny Ag Products Jonesboro, AR 72396	870-238-2079	progenyag.com
ProHarvest	ProHarvest Chillicothe, MO 64601	660-646-1177	thecorndocor.com
Public	Missouri Crop Improvement Assn. Columbia, MO 65201	573-449-0586	moseed.org
Public	Virginia Tech, EVAREC Warsaw, VA 22572	804-333-3485	-
Steyer	Steyer Seeds Tiffin, OH 44883	800-231-4274	-
Syngenta	Syngenta Seeds Bay, AR 72411	870-227-2704	agriprowheat.com

SOURCES FOR HYBRIDS ENTERED IN THE 2013 MISSOURI WHEAT TESTS

Brand/Variety	Company and Address	Phone	URL
Syngenta	Syngenta Seeds Monroeville, IN 46773	765-412-5420	agriprowheat.com
Terral	Terral Seed, Inc. Lake Providence, LA 71254	318-282-3681	terralseed.com
USG	Unisouth Genetics, Inc. Dixon, TN 37055	800-505-3133	usgseed.com
Warren	Warren Seed Woodland Mills, TN 38271	731-234-2921	-
XL Coop	Service and Supply Coop New Florence, MO 63363	573-835-2485	-