2019 Wheat Crop Performance Tests

PREFACE

Our motto is “We test the best” and that is exactly what we do. Each year, the best seed companies and organizations select several of their best varieties for evaluation by the MU Variety Testing Program. We use the latest scientific principles and procedures to provide farmers and others 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 list of participating brands at the this Preface. 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. Staff members are experienced veterans 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. Most of our wheat locations are on farmer fields in your communities. The other locations are MU farms. These CAFNR owned and operated research centers 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 to better understand what we do and the tools we provide you to make variety selection decisions. Our data tables are arranged to help you quickly see how varieties compare. We strongly suggest that you use information from more than one location. Our tables of “region means” provide comparisons across multiple locations. Although yield is extremely important, please see our variety characteristics table to view additional information that you might find helpful during variety selection.

Thank you for your interest and support. Please support the companies that participate in our program. If you have suggestions on how we can improve our program please contact me directly (wieboldw@missouri.edu; 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. The North region contains four locations. The Southwest and Southeast regions contain three locations, each. The same varieties were tested in all locations within a region. Locations for were:

North Regions
Columbia (1), Martinsburg (2), Novelty (3), Wheeling (4)

Southwest Region
Arcola (5), Garden City (6), Lamar (7)

Southeast Region
Charleston (8), Fisk (9), Portageville (10)

The MU Variety Testing Program depends upon and is highly appreciative of the cooperators that allow it to use their farms. Thank you Don Deline, Nathan Goldschmidt, Bill Cook, Brian Kurtz, Cal Luthi, Warren Hale, Missouri Agriculture Experiment Station, and Missouri Foundation Seeds.

Entries
All seed companies were eligible to enter varieties in the Soft Red Winter 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 the crop management link.

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 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 Soft Red Winter Wheat Test are available online at "varietytesting.missouri.edu". If you need assistance in accessing the web site please call 573-882-2307. You may print tables from the online version.

Authors
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Crop Management at Locations of the 2019 Wheat Test

Charleston
Region: Southeast
Cooperator: Don Deline
Tillage: No tillage
Planting date: October 12
Harvest date: June 24

Columbia
Region: North Central
Cooperator: Missouri Ag Experiment Station
Tillage: Conventional
Planting date: October 19
Harvest date: June 28
Herbicides (pre): None
Herbicides (post): Harmony Xtra
Nitrogen (pounds/acre): 55.2

Fisk
Region: Southeast
Cooperator: Nathan Goldschmidt
Tillage: Conventional
Planting date: October 11
Harvest date: June 17
Nitrogen (pounds/acre): 86.67
Herbicides (pre): None
Herbicides (post): Quelex, 2,4-D

Garden City
Region: Southwest
Cooperator: Bill Cook, Brian Kurz
Tillage: Conventional
Planting date: October 25
Harvest date: June 28
Nitrogen (pounds/acre): 100

Lamar
Region: Southwest
Cooperator: Cal Luthi
Tillage: Conventional
Planting date: November 21
Harvest date: June 27
Nitrogen (pounds/acre): 130
Fungicide: Prosaro

Martinsburg
Region: North Central
Cooperator: Warren Hale
Tillage: Conventional
Planting date: October 23
Harvest date: July 1
Nitrogen (pounds/acre): 120
Fungicide: Miravis Ace

Novelty
Region: North Central
Cooperator: Missouri Ag Experiment Station
Tillage: Minimum
Planting date: October 24
Harvest date: July 2

Wheeling
Region: North Central
Cooperator: MU Foundation Seed
Tillage: No Tillage
Planting date: October 25
Harvest date: November 19
Nitrogen (pounds/acre): 36
Herbicides (pre): none
Herbicides (post): Harmony Xtra

Participating Brands

AgriMAXX	Delta Grow	Krause	MFA
AgriPro	Dixie	KWS	USG
AGS	Dyna-Gro	Lewis Hybrids	Weber Seeds Vantage Brand
Armor	Go Wheat	Limagrain	Winfield
Corteva Pioneer	Green Valley	Momentum	

Soil and Weather Information for Wheat Test Locations

		Precipitation (inches)			
Location	**Soil type**	**Mar**	**Apr**	**May**	**Total**
Arcola	Parsons Silt loam	3.8	6.5	13.0	23.3
Charleston	Dundee Silt Loam	6.0	6.4	6.9	19.3
Columbia	Mexico Silt loam	4.1	4.7	5.3	14.1
Fisk	Calhoun Silt loam	4.4	6.5	10.7	21.6
Garden City	Haig Silt loam	3.2	6.4	10.2	19.8
Lamar	Parsons Silt loam	3.8	5.9	16.9	26.6
Martinsburg	Calwoods Silt loam	4.2	4.8	5.1	14.1
Novelty	Putnam Silt loam	3.6	3.9	15.4	22.9
Portageville	Askew Silt loam	5.5	5.7	6.6	17.8
Wheeling	Sturges Silt loam	3.7	4.1	12.5	20.3

2019 Missouri Soft Red Winter Wheat
North Central Region: Columbia

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Winfield CP9606	77.2**	62.4	1	28
Dyna-Gro 9941	76.8*	49.6	1	29
Dyna-Gro WX19713	74.1*	57.2	1	34
Dyna-Gro 9701	74.0*	59.6	1	27
Winfield CP8880	73.2*	55.3	1	29
Krause K-7102 SRW	72.2*	60.0	1	26
MFA 2449	71.7*	58.7	1	28
Green Valley GV 97X	71.4*	59.6	1	31
Dyna-Gro 6522	68.7*	54.5	1	31
AgriMAXX 475	68.6*	55.9	1	29
Green Valley GV 668	68.0*	53.0	1	31
Green Valley GV68X	68.0*	53.8	1	28
AgriMAXX EXP 1902	67.4*	48.0	1	27
Dyna-Gro 9932	66.9*	55.3	1	27
MCIA Momentum 104	66.8*	54.3	2	24
Krause K-9102 SRW	66.6*	56.8	1	28
MCIA MOMEX 4075	66.3*	57.5	1	26
MCIA MOMEX 4074	66.0*	61.0	2	26
KWS Cereals KWS19X09	65.9*	52.7	1	26
AgriPro SY 547	65.8*	55.1	1	30
Corteva Pioneer 25R61	65.3*	60.1	1	28
Krause K-8102 SRW	64.9*	55.3	1	24
MCIA MOMEX 4861	64.7*	49.9	1	28
Dyna-Gro WX18416	64.4*	52.6	1	28
AgriPro SY 100	63.5	53.8	1	24
MFA 2520	63.2	56.3	2	26
Green Valley GV 679	63.1	49.2	1	28
Green Valley GV 619	63.0	53.5	1	28
Krause K-9103 SRW	62.5	56.4	1	30
Go Wheat EXP 18-2	62.3	55.7	1	27
MFA 2633	61.8	50.0	1	27
Corteva Pioneer 25R50	61.6	50.9	1	25
AgriMAXX 486	61.4	57.2	1	31
Green Valley GV 658	61.3	48.1	1	29
Corteva Pioneer 25R77	61.0	58.6	1	26
AgriMaxx 463	60.0	59.3	1	26
Limagrain L11713	59.4	51.2	1	25
Winfield CP8550	59.2	55.5	1	28
AgriMAXX EXP 1913	59.1	54.5	1	26
Corteva Pioneer 25R74	58.9	56.8	1	27
Go Wheat 2058	58.1	56.2	1	25
Hilliard	58.1	45.7	1	26
MFA 2250	58.0	50.7	1	24
AgriPro SY Viper	57.9	55.0	1	27
DH12SRW056-058	57.9	50.7	1	30

Lewis Hybrids 851	57.9	52.3	1	30
AgriMAXX 495	57.8	55.4	1	27
MCIA Momentum 304	57.6	58.0	1	27
AgriMaxx 444	57.4	51.8	1	28
Lewis Hybrids 839	57.3	55.8	1	28
Corteva Pioneer 25R40	57.0	56.2	1	28
MCIA Momentum 106	56.7	57.1	1	25
Go Wheat EXP 18-1	56.5	56.4	1	27
Dyna-Gro WX19714	55.6	52.0	1	26
Limagrain L11719	55.1	58.7	1	25
KWS Cereals KWS19X03	55.0	54.2	1	24
Lewis Hybrids 833	54.6	49.1	1	26
AgriPro SY 8146	54.2	50.6	1	26
Lewis Hybrids 828	53.8	52.9	1	27
AgriMAXX 473	52.6	54.9	1	28
Lewis Hybrids 829	52.1	53.1	1	26
AgriMaxx 415	52.0	56.3	1	28
MFA 2726	51.3	50.2	1	25
Go Wheat 2059	48.6	56.8	1	26
MCIA MOMEX 4395	47.5	53.6	1	26
MEAN	**61.6**	**54.5**	**1.0**	**27.2**
LSD (0.10)	**13.0**	**8.0**		
CV (%)	**11.0**	**7.6**		

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

2019 Missouri Soft Red Winter Wheat
North Central Region: Martinsburg

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Krause K-9102 SRW	82.8**	58.4	1	33
Dyna-Gro 6522	81.5*	60.2	1	38
Dyna-Gro WX19714	81.4*	62.1	1	35
AgriMAXX EXP 1902	81.2*	55.9	1	35
Corteva Pioneer 25R61	80.5*	61.6	1	34
Limagrain L11719	80.2*	54.5	1	35
MFA 2726	79.5*	52.6	1	35
MFA 2250	77.3*	66.2	1	37
Green Valley GV 619	77.1*	56.7	1	36
MCIA MOMEX 4074	76.7*	64.0	1	35
KWS Cereals KWS19X09	76.3*	57.8	1	36
Corteva Pioneer 25R74	75.7*	53.6	1	33
Green Valley GV 658	75.2*	57.0	1	35
Corteva Pioneer 25R77	75.0*	63.5	1	34
Go Wheat EXP 18-2	74.4*	57.0	1	36
MFA 2449	74.2*	57.3	1	36
Winfield CP8550	73.5*	57.7	1	36
Winfield CP8880	73.4*	59.2	1	36
Green Valley GV 97X	72.9*	63.4	1	33
Krause K-9103 SRW	72.9*	62.9	1	36
Green Valley GV68X	72.3*	56.4	1	34
Lewis Hybrids 851	71.5*	55.2	1	38
Green Valley GV 679	70.3*	57.8	1	33
AgriMaxx 463	70.1*	55.5	1	34
AgriPro SY 547	68.7*	56.3	1	37
Hilliard	68.6*	58.8	1	36
AgriMAXX 475	67.9*	60.3	1	35
MCIA MOMEX 4861	67.8*	61.1	1	34
Dyna-Gro 9941	67.5*	55.6	1	34
Dyna-Gro WX19713	67.4*	52.4	1	34
Krause K-7102 SRW	67.4*	55.5	1	34
AgriMAXX 495	66.9*	60.0	1	35
Dyna-Gro WX18416	66.9*	55.1	1	36
AgriMaxx 415	66.8*	57.6	1	36
MCIA Momentum 304	66.7*	60.4	1	41
MCIA MOMEX 4395	66.1	57.4	1	40
Limagrain L11713	65.7	59.9	1	32
Go Wheat EXP 18-1	65.3	52.6	1	35
MFA 2520	65.2	57.3	1	36
Corteva Pioneer 25R50	64.7	52.5	1	32
Go Wheat 2059	64.5	55.9	1	34

MCIA Momentum 106	64.5	60.5	1	31
AgriMaxx 444	64.3	50.4	1	35
Corteva Pioneer 25R40	63.3	56.0	1	36
AgriMAXX 473	63.0	58.2	1	36
MCIA MOMEX 4075	62.6	54.0	1	34
Green Valley GV 668	62.4	55.9	1	36
AgriPro SY 100	61.7	58.2	1	35
MCIA Momentum 104	61.1	55.0	1	36
AgriMAXX EXP 1913	60.7	56.9	1	34
Lewis Hybrids 828	60.1	53.3	1	38
MFA 2633	59.7	50.1	1	32
Krause K-8102 SRW	59.5	55.6	1	34
Winfield CP9606	59.5	53.9	1	34
Dyna-Gro 9701	59.4	58.5	1	36
Go Wheat 2058	58.9	55.0	1	31
AgriPro SY 8146	58.2	55.4	1	36
KWS Cereals KWS19X03	57.6	51.4	1	34
AgriMAXX 486	56.7	55.0	1	36
AgriPro SY Viper	56.3	57.6	1	37
Lewis Hybrids 839	55.5	49.3	1	36
Lewis Hybrids 833	54.6	55.0	1	34
DH12SRW056-058	53.7	55.7	1	32
Lewis Hybrids 829	53.2	50.9	1	35
Dyna-Gro 9932	43.3	56.0	1	35
MEAN	**67.1**	**56.9**	**1.0**	**35.0**
LSD (0.10)	**16.6**	**4.4**		
CV (%)	**12.9**	**4.1**		

**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 = fewer than 20% plants lodged and 5 = more than 80% plar

2019 Missouri Soft Red Winter Wheat
North Central Region: Novelty

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
AgriPro SY 100	70.6**	62.3	1	35
AgriMAXX 495	69.6*	58.0	1	33
AgriMAXX 475	68.3*	60.5	1	34
Dyna-Gro 9941	67.2*	55.5	1	34
AgriMaxx 463	65.1*	59.5	1	33
Lewis Hybrids 851	65.1*	58.2	1	37
Krause K-7102 SRW	64.7*	57.6	1	34
Limagrain L11713	64.3*	60.3	1	34
Green Valley GV 97X	64.2*	58.7	1	37
MFA 2449	64.0*	59.3	1	34
Dyna-Gro 9701	63.9*	52.7	1	37
Corteva Pioneer 25R61	63.5*	57.3	1	36
Green Valley GV 679	63.2*	51.8	1	33
Limagrain L11719	63.0*	62.0	1	34
Krause K-9103 SRW	62.7*	59.3	1	36
Dyna-Gro WX19714	61.6*	50.4	1	34
MCIA MOMEX 4074	61.0*	58.7	1	36
MCIA Momentum 104	60.9*	61.1	1	36
KWS Cereals KWS19X09	60.0*	58.5	1	32
Lewis Hybrids 833	59.8*	53.7	1	31
Winfield CP8880	58.3*	55.6	1	33
MCIA MOMEX 4861	58.2*	58.9	1	34
Green Valley GV 619	57.8	58.0	1	34
AgriPro SY 8146	57.4	59.0	1	35
Lewis Hybrids 828	57.0	55.4	1	36
DH12SRW056-058	56.1	54.0	1	36
Dyna-Gro WX19713	55.8	54.7	1	33
Dyna-Gro WX18416	55.6	55.5	1	37
Go Wheat EXP 18-2	55.6	52.4	1	36
Krause K-8102 SRW	55.6	60.3	1	32
AgriMAXX 473	55.2	58.5	1	37
Corteva Pioneer 25R40	55.2	57.0	1	34
MCIA MOMEX 4075	55.1	55.2	1	36
Green Valley GV68X	54.5	51.9	1	34
Lewis Hybrids 839	54.3	53.1	1	35
MCIA Momentum 304	54.3	61.0	1	40
Go Wheat EXP 18-1	53.9	53.9	1	32
AgriPro SY 547	53.6	59.2	1	36
Winfield CP9606	53.4	56.7	1	33
Green Valley GV 668	53.1	59.4	1	34
AgriMaxx 444	52.9	54.8	1	33
Go Wheat 2059	52.7	52.0	1	36
AgriMAXX 486	52.5	58.4	1	34
Corteva Pioneer 25R50	52.4	52.9	1	32
Corteva Pioneer 25R74	52.4	54.5	1	31
MCIA MOMEX 4395	52.3	58.7	1	37

Dyna-Gro 9932	52.2	57.4	1	32
Hilliard	52.0	59.6	1	38
MFA 2520	51.0	56.2	1	35
Dyna-Gro 6522	50.8	54.7	1	35
AgriMAXX EXP 1913	50.2	55.6	1	34
MFA 2250	50.2	58.4	1	34
AgriMAXX EXP 1902	50.1	61.4	1	35
Corteva Pioneer 25R77	50.1	55.1	1	32
MFA 2726	49.9	54.8	1	36
KWS Cereals KWS19X03	49.5	57.1	1	30
Go Wheat 2058	48.0	53.2	1	32
MCIA Momentum 106	47.8	57.1	1	35
AgriPro SY Viper	47.6	61.1	1	36
Winfield CP8550	47.3	56.4	1	34
Krause K-9102 SRW	47.1	59.1	1	35
AgriMaxx 415	47.0	56.4	1	36
Green Valley GV 658	46.5	61.1	1	35
MFA 2633	45.8	51.9	1	34
Lewis Hybrids 829	44.5	52.9	1	35
MEAN	**55.7**	**57.0**	**1.0**	**34.4**
LSD (0.10)	**12.5**	**4.5**		
CV (%)	**11.7**			

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

2019 Missouri Soft Red Winter Wheat
North Central Region: Wheeling

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Dyna-Gro 9701	70.9**	58.9	1	31
Corteva Pioneer 25R77	62.0*	57.8	1	26
Dyna-Gro WX19714	61.7*	55.0	1	27
Krause K-8102 SRW	61.3*	54.5	2	26
Corteva Pioneer 25R61	60.6*	59.2	1	29
MCIA MOMEX 4074	60.3*	54.5	2	26
Lewis Hybrids 828	59.9*	56.7	1	29
Dyna-Gro WX19713	58.1*	54.4	1	29
MFA 2449	57.7*	51.5	1	27
Lewis Hybrids 851	57.6*	57.1	1	29
Green Valley GV 619	57.4*	50.7	1	28
MCIA MOMEX 4395	56.4*	57.8	2	29
AgriMAXX EXP 1913	56.2*	50.4	1	29
Dyna-Gro 6522	55.6*	49.3	1	28
Lewis Hybrids 839	55.4*	59.1	1	30
Corteva Pioneer 25R50	55.3*	49.1	1	26
Krause K-9102 SRW	55.0*	50.2	1	26
Green Valley GV 668	54.8	53.1	1	29
AgriMaxx 444	54.7	50.8	1	29
AgriPro SY 8146	54.7	51.7	1	30
Dyna-Gro WX18416	54.4	50.0	1	31
MCIA Momentum 304	54.4	56.1	1	28
Lewis Hybrids 833	54.2	51.8	1	27
MCIA Momentum 104	54.1	57.3	2	28
Corteva Pioneer 25R74	53.8	53.3	1	27
MCIA Momentum 106	53.8	53.2	2	27
Winfield CP9606	52.9	51.9	1	30
KWS Cereals KWS19X09	52.6	55.6	1	28
Green Valley GV 97X	52.1	50.3	1	27
Krause K-7102 SRW	52.1	52.9	1	27
Green Valley GV 679	51.9	56.1	1	24
Dyna-Gro 9941	51.5	56.0	1	29
AgriPro SY 100	51.4	54.8	1	29
MCIA MOMEX 4075	51.1	49.9	2	27
Go Wheat 2058	50.8	52.0	1	27
AgriMAXX EXP 1902	50.6	55.4	2	26
MCIA MOMEX 4861	50.6	52.2	2	26
AgriMAXX 495	49.8	51.0	1	30
Go Wheat EXP 18-2	49.8	50.3	1	29
AgriPro SY 547	49.0	54.9	1	31
Winfield CP8550	48.2	51.1	1	29
AgriMAXX 473	47.9	53.5	1	30
MFA 2633	47.8	53.8	1	29
Go Wheat EXP 18-1	47.2	54.8	1	27
Go Wheat 2059	46.8	53.4	1	27

Limagrain L11719	46.7	47.3	1	28
Hilliard	46.2	55.8	1	30
MFA 2520	45.6	51.8	2	28
Green Valley GV 658	45.4	52.8	1	27
Dyna-Gro 9932	44.5	53.7	2	26
Winfield CP8880	43.9	46.6	1	31
AgriMaxx 415	43.2	48.6	1	27
AgriMAXX 486	42.5	52.1	1	29
Krause K-9103 SRW	42.0	52.4	1	31
Green Valley GV68X	41.4	50.5	1	25
MFA 2250	41.2	46.9	1	27
AgriMAXX 475	41.0	53.8	1	28
Lewis Hybrids 829	41.0	51.9	1	29
Limagrain L11713	39.8	51.7	2	25
AgriMaxx 463	39.2	54.0	1	29
AgriPro SY Viper	37.4	55.4	1	31
MFA 2726	37.1	51.5	2	30
KWS Cereals KWS19X03	36.3	50.3	1	27
DH12SRW056-058	35.3	52.3	2	28
Corteva Pioneer 25R40	33.3	46.6	1	28
MEAN	**50.3**	**52.9**	**1.2**	**28.1**
LSD (0.10)	**15.9**	**6.0**		
CV (%)	**16.5**	**5.9**		

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

2019 Missouri Soft Red Winter Wheat
North Central Region: Summary

Brand/Variety	Wheeling (bu/ac)	Novelty (bu/ac)	Columbia (bu/ac)	Martinsburg (bu/ac)	Mean (bu/ac)
Corteva Pioneer 25R61	60.6*	63.5*	65.3*	80.5*	67.5**
Dyna-Gro 9701	70.9**	63.9*	74.0*	59.4	67.1*
MFA 2449	57.7*	64.0*	71.7*	74.2*	66.9*
MCIA MOMEX 4074	60.3*	61.0*	66.0*	76.7*	66.0*
Dyna-Gro 9941	51.5	67.2*	76.8*	67.5*	65.8*
Green Valley GV 97X	52.1	64.2*	71.4*	72.9*	65.2*
Dyna-Gro WX19714	61.7*	61.6*	55.6	81.4*	65.1*
Dyna-Gro 6522	55.6*	50.8	68.7*	81.5*	64.2*
Krause K-7102 SRW	52.1	64.7*	72.2*	67.4*	64.1*
Dyna-Gro WX19713	58.1*	55.8	74.1*	67.4*	63.9*
Green Valley GV 619	57.4*	57.8	63.0	77.1*	63.8*
KWS Cereals KWS19X09	52.6	60.0*	65.9*	76.3*	63.7*
Lewis Hybrids 851	57.6*	65.1*	57.9	71.5*	63.0*
Krause K-9102 SRW	55.0*	47.1	66.6*	82.8**	62.9*
AgriMAXX EXP 1902	50.6	50.1	67.4*	81.2*	62.3*
Winfield CP8880	43.9	58.3*	73.2*	73.4*	62.2*
Green Valley GV 679	51.9	63.2*	63.1	70.3*	62.1*
Corteva Pioneer 25R77	62.0*	50.1	61.0	75.0*	62.0*
AgriPro SY 100	51.4	70.6**	63.5	61.7	61.8*
AgriMAXX 475	41.0	68.3*	68.6*	67.9*	61.5*
Limagrain L11719	46.7	63.0*	55.1	80.2*	61.3*
AgriMAXX 495	49.8	69.6*	57.8	66.9*	61.0*
Winfield CP9606	52.9	53.4	77.2**	59.5	60.8*
MCIA Momentum 104	54.1	60.9*	66.8*	61.1	60.7*
Go Wheat EXP 18-2	49.8	55.6	62.3	74.4*	60.5*
Dyna-Gro WX18416	54.4	55.6	64.4*	66.9*	60.3*
Krause K-8102 SRW	61.3*	55.6	64.9*	59.5	60.3*
MCIA MOMEX 4861	50.6	58.2*	64.7*	67.8*	60.3*
Corteva Pioneer 25R74	53.8	52.4	58.9	75.7*	60.2*
Krause K-9103 SRW	42.0	62.7*	62.5	72.9*	60.0*
Green Valley GV 668	54.8	53.1	68.0*	62.4	59.6*
AgriPro SY 547	49.0	53.6	65.8*	68.7*	59.3
Green Valley GV68X	41.4	54.5	68.0*	72.3*	59.1
MCIA MOMEX 4075	51.1	55.1	66.3*	62.6	58.8
AgriMaxx 463	39.2	65.1*	60.0	70.1*	58.6
Corteva Pioneer 25R50	55.3*	52.4	61.6	64.7	58.5
MCIA Momentum 304	54.4	54.3	57.6	66.7*	58.3
Lewis Hybrids 828	59.9*	57.0	53.8	60.1	57.7
AgriMaxx 444	54.7	52.9	57.4	64.3	57.3
Limagrain L11713	39.8	64.3*	59.4	65.7	57.3
Green Valley GV 658	45.4	46.5	61.3	75.2*	57.1
Winfield CP8550	48.2	47.3	59.2	73.5*	57.1
MFA 2250	41.2	50.2	58.0	77.3*	56.7
AgriMAXX EXP 1913	56.2*	50.2	59.1	60.7	56.6
MFA 2520	45.6	51.0	63.2	65.2	56.3
Hilliard	46.2	52.0	58.1	68.6*	56.2
AgriPro SY 8146	54.7	57.4	54.2	58.2	56.1
Lewis Hybrids 833	54.2	59.8*	54.6	54.6	55.8
Go Wheat EXP 18-1	47.2	53.9	56.5	65.3	55.7
MCIA Momentum 106	53.8	47.8	56.7	64.5	55.7

Lewis Hybrids 839	55.4*	54.3	57.3	55.5	55.6
MCIA MOMEX 4395	56.4*	52.3	47.5	66.1	55.6
AgriMAXX 473	47.9	55.2	52.6	63.0	54.7
MFA 2726	37.1	49.9	51.3	79.5*	54.5
Go Wheat 2058	50.8	48.0	58.1	58.9	54.0
MFA 2633	47.8	45.8	61.8	59.7	53.8
AgriMAXX 486	42.5	52.5	61.4	56.7	53.3
Go Wheat 2059	46.8	52.7	48.6	64.5	53.2
AgriMaxx 415	43.2	47.0	52.0	66.8*	52.3
Corteva Pioneer 25R40	33.3	55.2	57.0	63.3	52.2
Dyna-Gro 9932	44.5	52.2	66.9*	43.3	51.7
DH12SRW056-058	35.3	56.1	57.9	53.7	50.8
AgriPro SY Viper	37.4	47.6	57.9	56.3	49.8
KWS Cereals KWS19X03	36.3	49.5	55.0	57.6	49.6
Lewis Hybrids 829	41.0	44.5	52.1	53.2	47.7
MEAN	**50.3**	**55.7**	**61.6**	**67.1**	**58.7**
LSD (0.10)	**15.9**	**12.5**	**13.0**	**16.6**	**8.0**
CV (%)	**16.5**	**11.7**	**11.0**	**12.9**	**13.0**

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

2019 Missouri Soft Red Winter Wheat
Southeast Region: Charleston

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Armor Voodoo	88.5**	56.1	1	36
Dyna-Gro WX19711	83.6*	55.8	1	33
KWS Cereals KWS19X03	83.5*	55.0	1	32
Corteva Pioneer 26R59	81.5*	54.4	1	30
AgriMAXX EXP 1902	80.4*	55.1	2	35
MFA 2449	78.7*	55.4	1	35
Dyna-Gro 9941	77.9*	55.2	4	35
Dyna-Gro 9932	77.0	56.2	1	34
Limagrain L11713	76.7	56.9	3	34
Corteva Pioneer 26R41	75.3	54.9	1	31
Corteva Pioneer 26R10	75.2	54.8	1	31
AgriMAXX 473	74.7	55.2	1	37
MFA 2726	74.3	56.6	1	33
MFA 2633	73.5	54.4	1	34
Dyna-Gro 9522	73.2	55.4	1	32
Corteva Pioneer 26R36	72.5	54.8	3	35
Armor Mayhem	72.3	55.3	1	36
Dyna-Gro WX19713	72.1	56.5	2	34
Delta Grow 3500	72.0	55.0	1	35
AgriMAXX EXP 1913	71.7	56.5	1	33
Corteva Pioneer 26R45	71.4	55.1	1	32
Delta Grow EXP 1400	71.4	56.1	1	33
KWS Cereals KWS19X09	71.1	54.0	1	34
USG 3539	71.1	55.4	1	34
MCIA Momentum 104	71.0	56.4	2	34
AgriPro SY Viper	70.7	56.0	1	34
Hilliard	70.4	55.5	1	36
AgriMAXX 475	70.3	55.3	1	33
AgriMAXX 495	70.3	56.4	1	33
USG 3458	69.8	54.6	1	36
USG 3895	69.4	54.7	2	30
Dixie Brown	69.3	55.3	1	36
Dixie DXEX 19-1	69.3	56.1	1	34
Limagrain L11814	69.1	53.5	3	31
Dyna-Gro 9701	68.8	55.6	1	35
Armor Spirit	68.8	56.7	1	33
MFA 2250	68.6	56.9	1	34
Winfield CP9606	68.4	54.8	1	34
Armor ARW1815	68.2	57.1	1	34
Go Wheat EXP 18-2	67.6	55.0	1	36
AgriMAXX 486	67.1	55.1	1	32
AGS 2024	67.1	54.7	1	33
Delta Grow 1000	67.1	54.8	1	35
Dixie DXEX 18-1	66.9	55.3	1	32
Go Wheat 2058	66.8	54.6	1	28
Dixie DXEX 18-2	66.8	56.3	1	37

Go Wheat EXP 18-1	66.4	56.0	1	33
Winfield CP8880	66.3	54.7	1	36
Winfield CP8550	65.9	55.8	1	36
Dixie Bentley	65.3	56.6	1	36
AgriMAXX 485	65.1	56.1	1	31
Dixie Jones	64.5	54.7	2	35
Armor ARW1816	63.4	54.5	2	36
MCIA MOMEX 4861	63.3	57.0	2	34
Dyna-Gro WX18416	63.2	55.4	2	36
MCIA MOMEX 4395	63.0	57.6	1	38
AgriMaxx 463	62.9	55.2	2	31
Limagrain L11719	62.7	55.3	1	34
AgriPro SY 547	62.4	55.3	1	35
Armor ARW1819	61.7	54.9	2	33
Armor ARW1766	61.4	55.8	1	36
Dyna-Gro WX19714	61.3	54.4	1	33
MCIA Momentum 304	61.3	58.2	1	36
MCIA MOMEX 4075	61.1	56.6	1	35
AgriPro SY 100	60.6	52.8	1	31
AgriPro SY 8146	59.7	57.3	2	32
MCIA Momentum 106	58.1	56.9	3	37
Limagrain L11815	57.6	55.5	4	36
DH12SRW056-058	57.5	56.3	1	34
MCIA MOMEX 4074	56.2	57.6	1	37
Go Wheat 2059	56.0	55.0	3	34
AgriMAXX EXP 1906	55.7	56.1	1	35
USG 3228	54.3	54.8	3	31
AGS 2055	43.6	52.5	1	38
MEAN	**67.5**	**55.6**	**1.4**	**34.1**
LSD (0.10)	**10.8**	**0.9**		
CV (%)	**8.4**	**0.8**		

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

2019 Missouri Soft Red Winter Wheat
Southeast Region: Fisk

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Dyna-Gro WX19711	86.1**	61.3	1	35
Dyna-Gro WX18416	84.8*	58.8	1	33
Dyna-Gro 9701	83.7*	59.7	1	35
Dyna-Gro WX19713	83.6*	60.2	1	31
Armor Voodoo	80.3*	58.9	1	31
AgriMAXX 473	79.9*	59.4	1	31
Winfield CP8550	79.5*	59.4	1	37
Armor Mayhem	79.2*	60.1	1	35
KWS Cereals KWS19X09	78.4*	58.5	1	31
MCIA Momentum 106	78.4*	58.8	2	31
MFA 2633	78.3*	57.9	1	31
Dixie Brown	78.2*	59.3	1	35
Corteva Pioneer 26R41	78.0*	58.1	1	30
Dixie Bentley	78.0*	59.4	1	31
Armor ARW1766	77.6*	59.1	1	34
Dyna-Gro 9941	77.4*	57.8	1	33
DH12SRW056-058	76.4*	59.6	1	34
Dixie DXEX 18-2	75.8	59.6	1	34
Limagrain L11814	75.7	57.8	2	29
Go Wheat 2058	75.6	58.7	1	29
USG 3539	75.4	59.4	1	34
AgriPro SY Viper	75.3	59.3	1	31
Dyna-Gro WX19714	75.3	58.2	1	34
AgriMAXX EXP 1902	75.1	59.3	1	31
Hilliard	74.3	58.8	1	34
Armor Spirit	74.2	57.5	3	32
MFA 2250	74.0	59.5	1	32
Armor ARW1815	73.7	59.8	1	33
Delta Grow 3500	73.7	59.3	1	33
Winfield CP8880	73.6	58.1	1	35
AgriMAXX EXP 1913	73.3	58.0	2	30
MCIA Momentum 104	73.3	59.3	1	33
AgriPro SY 8146	72.8	59.1	1	31
AgriPro SY 547	72.7	59.2	1	35
Delta Grow 1000	72.7	57.7	4	34
Corteva Pioneer 26R45	72.5	56.9	2	32
Dyna-Gro 9522	72.1	57.9	1	34
AgriMAXX 485	72.0	59.3	1	31
USG 3458	71.8	57.4	1	33
Limagrain L11713	71.7	58.0	3	30
MFA 2726	71.5	57.5	3	31
Corteva Pioneer 26R59	71.4	58.4	1	28
AgriMAXX 486	71.1	59.1	1	36
MCIA MOMEX 4861	70.8	58.6	2	31
AgriMAXX EXP 1906	70.3	58.2	1	33
Corteva Pioneer 26R36	70.0	58.5	1	34

Dixie DXEX 19-1	69.7	59.0	1	32
Go Wheat EXP 18-2	69.6	57.1	1	34
Dixie DXEX 18-1	69.5	59.1	1	32
Corteva Pioneer 26R10	69.1	57.3	1	31
Go Wheat EXP 18-1	68.7	58.9	1	30
Delta Grow EXP 1400	68.7	59.0	1	33
AgriPro SY 100	68.4	54.7	3	32
KWS Cereals KWS19X03	68.4	59.4	1	35
Armor ARW1816	68.2	56.9	1	33
USG 3228	67.8	56.4	1	35
AgriMaxx 463	67.5	56.4	2	31
AgriMAXX 475	67.5	58.3	1	30
MFA 2449	67.5	57.6	1	35
AGS 2024	67.5	58.2	1	33
AgriMAXX 495	67.4	59.4	1	34
MCIA MOMEX 4075	66.7	56.8	1	27
Dyna-Gro 9932	65.8	58.5	1	33
MCIA MOMEX 4074	65.7	60.4	3	30
Limagrain L11815	65.1	57.2	1	35
Limagrain L11719	64.8	58.7	1	33
USG 3895	64.0	56.8	1	32
Dixie Jones	63.7	58.8	1	33
Go Wheat 2059	63.1	56.1	1	32
Armor ARW1819	61.5	58.1	1	31
MCIA MOMEX 4395	58.5	60.5	1	33
AGS 2055	58.3	56.6	1	36
MCIA Momentum 304	57.4	60.0	2	33
Winfield CP9606	55.1	55.9	1	31
MEAN	**71.8**	**58.5**	**1.3**	**32.4**
LSD (0.10)	**9.8**	**1.0**		
CV (%)	**7.1**	**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 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

2019 Missouri Soft Red Winter Wheat
Southeast Region: Summary

Brand/Variety	Charleston (bu/ac)	Fisk (bu/ac)	Mean (bu/ac)
Dyna-Gro WX19711	83.6*	86.1**	84.9**
Armor Voodoo	88.5**	80.3*	84.4*
Dyna-Gro WX19713	72.1	83.6*	77.9*
AgriMAXX EXP 1902	80.4*	75.1	77.8*
Dyna-Gro 9941	77.9	77.4*	77.7*
AgriMAXX 473	74.7	79.9*	77.3*
Corteva Pioneer 26R41	75.3	78.0*	76.7
Corteva Pioneer 26R59	81.5*	71.4	76.5
Dyna-Gro 9701	68.8	83.7*	76.3
KWS Cereals KWS19X03	83.5*	68.4	76.0
MFA 2633	73.5	78.3*	75.9
Armor Mayhem	72.3	79.2*	75.8
KWS Cereals KWS19X09	71.1	78.4*	74.8
Limagrain L11713	76.7	71.7	74.2
Dyna-Gro WX18416	63.2	84.8*	74.0
Dixie Brown	69.3	78.2*	73.8
USG 3539	71.1	75.4	73.3
MFA 2449	78.7*	67.5	73.1
AgriPro SY Viper	70.7	75.3	73.0
MFA 2726	74.3	71.5	72.9
Delta Grow 3500	72.0	73.7	72.9
Dyna-Gro 9522	73.2	72.1	72.7
Winfield CP8550	65.9	79.5*	72.7
AgriMAXX EXP 1913	71.7	73.3	72.5
Hilliard	70.4	74.3	72.4
Limagrain L11814	69.1	75.7	72.4
MCIA Momentum 104	71.0	73.3	72.2
Corteva Pioneer 26R10	75.2	69.1	72.2
Corteva Pioneer 26R45	71.4	72.5	72.0
Dixie Bentley	65.3	78.0*	71.7
Armor Spirit	68.8	74.2	71.5
Dyna-Gro 9932	77.0	65.8	71.4
MFA 2250	68.6	74.0	71.3
Corteva Pioneer 26R36	72.5	70.0	71.3
Dixie DXEX 18-2	66.8	75.8	71.3
Go Wheat 2058	66.8	75.6	71.2
Armor ARW1815	68.2	73.7	71.0
USG 3458	69.8	71.8	70.8
Delta Grow EXP 1400	71.4	68.7	70.1
Winfield CP8880	66.3	73.6	70.0
Delta Grow 1000	67.1	72.7	69.9

Armor ARW1766	61.4	77.6*	69.5
Dixie DXEX 19-1	69.3	69.7	69.5
AgriMAXX 486	67.1	71.1	69.1
AgriMAXX 475	70.3	67.5	68.9
AgriMAXX 495	70.3	67.4	68.9
Go Wheat EXP 18-2	67.6	69.6	68.6
AgriMAXX 485	65.1	72.0	68.6
Dyna-Gro WX19714	61.3	75.3	68.3
MCIA Momentum 106	58.1	78.4*	68.3
Dixie DXEX 18-1	66.9	69.5	68.2
AgriPro SY 547	62.4	72.7	67.6
Go Wheat EXP 18-1	66.4	68.7	67.6
AGS 2024	67.1	67.5	67.3
MCIA MOMEX 4861	63.3	70.8	67.1
DH12SRW056-058	57.5	76.4*	67.0
USG 3895	69.4	64.0	66.7
AgriPro SY 8146	59.7	72.8	66.3
Armor ARW1816	63.4	68.2	65.8
AgriMaxx 463	62.9	67.5	65.2
AgriPro SY 100	60.6	68.4	64.5
Dixie Jones	64.5	63.7	64.1
MCIA MOMEX 4075	61.1	66.7	63.9
Limagrain L11719	62.7	64.8	63.8
AgriMAXX EXP 1906	55.7	70.3	63.0
Winfield CP9606	68.4	55.1	61.8
Armor ARW1819	61.7	61.5	61.6
Limagrain L11815	57.6	65.1	61.4
USG 3228	54.3	67.8	61.1
MCIA MOMEX 4074	56.2	65.7	61.0
MCIA MOMEX 4395	63.0	58.5	60.8
Go Wheat 2059	56.0	63.1	59.6
MCIA Momentum 304	61.3	57.4	59.4
AGS 2055	43.6	58.3	51.0
MEAN	**67.5**	**71.8**	**69.7**
LSD (0.10)	**10.8**	**9.8**	**8.1**
CV (%)	**8.4**	**7.1**	**7.7**

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

2019 Missouri Soft Red Winter Wheat
Southwest Region: Garden City

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Limagrain L11719	80.7**	59.5	1	31
Limagrain L11814	77.9*	54.0	1	27
MCIA Momentum 106	77.6*	53.6	1	29
Corteva Pioneer 25R40	76.5*	53.5	1	26
AgriMaxx 415	74.7*	59.2	1	28
Krause K-7102 SRW	73.9*	58.4	1	28
AgriMAXX 475	72.8*	52.1	1	34
AgriMAXX 495	71.7*	53.5	1	31
AgriMaxx 463	71.3*	58.7	1	27
AGS 2024	70.9*	57.4	2	24
MFA 2633	69.8*	53.7	2	26
MCIA MOMEX 4395	69.1*	52.0	1	27
AgriPro SY Viper	67.9*	56.1	1	28
Corteva Pioneer 25R50	67.7*	57.4	1	26
AgriMAXX 473	67.6*	54.8	1	28
Dyna-Gro 9941	66.1	58.3	1	27
Hilliard	66.0	54.7	1	25
Go Wheat EXP 18-2	65.9	56.6	1	27
MCIA Momentum 304	65.9	60.5	1	29
Corteva Pioneer 25R77	65.7	54.2	1	31
MCIA MOMEX 4861	65.4	55.8	1	26
AGS 2055	65.4	57.5	1	28
Krause K-9103 SRW	65.3	58.8	1	29
KWS Cereals KWS19X09	65.0	50.0	1	26
AgriPro SY 547	64.8	56.1	1	30
Lewis Hybrids 829	64.7	55.3	1	26
Dyna-Gro WX18416	64.6	54.6	1	26
Lewis Hybrids 833	64.5	55.0	1	28
Dyna-Gro WX19714	64.0	54.9	1	30
Lewis Hybrids 828	63.7	54.8	1	28
Krause K-0202 SRW	63.7	54.7	1	26
AgriPro SY 100	63.5	57.9	1	28
Lewis Hybrids 839	63.4	57.3	1	28
Krause K-8102 SRW	63.2	53.7	1	26
Go Wheat 2059	62.6	58.5	1	27
MFA 2449	62.4	55.6	1	28
Krause K-0203 SRW	62.4	55.6	1	25
AgriPro SY 8146	62.2	56.5	1	27
MCIA Momentum 104	62.0	57.4	1	27
Corteva Pioneer 25R74	61.8	52.1	1	28
Dyna-Gro 9932	61.5	54.3	1	28
MCIA MOMEX 4075	61.5	50.9	1	29
KWS Cereals KWS19X03	61.4	53.9	1	24
AgriMAXX 486	61.1	54.6	1	27
Lewis Hybrids 851	60.1	54.4	1	28

Krause K-9102 SRW	59.1	57.6	1	28
MFA 2250	59.0	56.0	1	25
MFA 2726	59.0	56.9	1	26
Dyna-Gro 9701	58.4	56.1	1	28
Dyna-Gro WX19713	58.3	53.6	1	26
Liberty 5658	58.2	51.7	1	28
Go Wheat 2058	58.1	54.2	1	28
Corteva Pioneer 25R61	57.6	53.8	1	26
Dyna-Gro 6522	57.4	59.8	1	28
AgriMAXX EXP 1906	57.4	50.9	1	26
AgriMaxx 444	57.3	59.7	1	24
Go Wheat EXP 18-1	57.0	53.7	1	27
MCIA MOMEX 4074	54.4	59.1	1	30
AgriMAXX EXP 1902	53.1	57.1	1	25
AgriMAXX EXP 1913	52.3	59.7	1	26
MEAN	**64.2**	**55.6**	**1.0**	**27.3**
LSD (0.10)	**13.8**	**3.6**		
CV (%)	**11.2**	**3.3**		

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

2019 Missouri Soft Red Winter Wheat
Southwest Region: Lamar

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~	Height (inches)
Krause K-7102 SRW	80.6**	64.0	1	32
Krause K-0202 SRW	77.2*	61.1	1	31
AgriMAXX 495	71.1*	57.4	1	33
AgriMAXX EXP 1913	70.9*	59.4	1	32
KWS Cereals KWS19X09	69.3*	59.6	1	32
MFA 2633	68.8*	54.9	1	33
Krause K-0203 SRW	68.7*	57.9	1	34
AgriPro SY 100	68.5*	55.5	1	32
Corteva Pioneer 25R74	68.3*	58.2	1	30
Dyna-Gro 6522	68.3*	60.9	1	34
Dyna-Gro WX19713	68.3*	55.0	1	32
Corteva Pioneer 25R77	68.2*	60.1	1	31
Dyna-Gro 9941	68.0	55.9	1	33
Hilliard	66.8	59.7	1	32
AgriMAXX 473	65.7	58.1	1	36
MCIA Momentum 304	65.6	60.8	1	36
Krause K-8102 SRW	65.3	61.0	1	31
Dyna-Gro 9932	65.2	58.8	1	36
Limagrain L11814	65.1	54.6	1	28
Dyna-Gro WX18416	64.4	55.9	1	31
AgriMAXX 475	64.0	60.3	1	30
MFA 2726	63.5	56.6	1	30
MCIA MOMEX 4074	63.4	60.0	1	31
KWS Cereals KWS19X03	63.3	57.4	1	33
Limagrain L11719	63.0	59.6	1	33
MCIA MOMEX 4861	62.7	59.0	1	33
AgriMAXX EXP 1902	62.6	55.3	1	33
Krause K-9103 SRW	62.4	58.6	1	34
MCIA MOMEX 4075	62.4	52.6	1	30
MFA 2250	62.4	55.3	1	33
AgriMaxx 444	62.3	60.8	1	34
AgriPro SY 8146	62.1	60.3	1	36
Corteva Pioneer 25R61	62.1	55.9	1	34
Dyna-Gro WX19714	62.0	54.2	1	31
Go Wheat 2058	61.6	58.4	1	31
MFA 2449	61.5	58.4	1	32
DH12SRW056-058	61.4	57.1	1	36
AgriMaxx 463	61.2	53.2	1	32
Go Wheat EXP 18-2	61.0	56.5	1	32
AgriMAXX EXP 1906	60.9	56.4	1	32
AGS 2024	60.9	59.4	1	33
MCIA Momentum 104	59.6	59.8	1	34
AgriPro SY 547	59.0	54.7	1	39
Corteva Pioneer 25R40	59.0	58.4	1	30
AgriMAXX 486	58.4	57.2	1	36

MCIA Momentum 106	58.3	58.7	1	32
Lewis Hybrids 851	57.7	58.2	1	34
Corteva Pioneer 25R50	57.6	57.1	1	32
Dyna-Gro 9701	57.6	56.8	1	40
Krause K-9102 SRW	57.2	55.7	1	32
Lewis Hybrids 828	56.7	54.4	1	36
Go Wheat 2059	56.1	55.0	1	34
AgriMaxx 415	55.8	55.6	1	33
MCIA MOMEX 4395	55.6	55.1	1	34
Lewis Hybrids 839	55.5	56.9	1	36
AgriPro SY Viper	55.1	54.2	1	35
Lewis Hybrids 829	55.0	56.4	1	36
Go Wheat EXP 18-1	54.2	59.2	1	34
AGS 2055	52.9	55.7	1	37
Lewis Hybrids 833	51.9	53.4	1	32
MEAN	**62.7**	**57.5**	**1.0**	**33.2**
LSD (0.10)	**12.4**	**5.6**		
CV (%)	**10.2**	**5.0**		

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

2019 Missouri Soft Red Winter Wheat
Southwest Region: Summary

Brand/Variety	Lamar (bu/ac)	Garden City (bu/ac)	Mean (bu/ac)
Krause K-7102 SRW	80.6**	73.9*	77.3**
Limagrain L11719	63.0	80.7**	71.9*
Limagrain L11814	65.1	77.9*	71.5*
AgriMAXX 495	71.1*	71.7*	71.4*
Krause K-0202 SRW	77.2*	63.7	70.5*
MFA 2633	68.8*	69.8*	69.3*
AgriMAXX 475	64.0	72.8*	68.4*
MCIA Momentum 106	58.3	77.6*	68.0*
Corteva Pioneer 25R40	59.0	76.5*	67.8*
KWS Cereals KWS19X09	69.3*	65.0	67.2*
Dyna-Gro 9941	68.0	66.1	67.1*
Corteva Pioneer 25R77	68.2*	65.7	67.0
AgriMAXX 473	65.7	67.6*	66.7
Hilliard	66.8	66.0	66.4
AgriMaxx 463	61.2	71.3*	66.3
AgriPro SY 100	68.5*	63.5	66.0
AGS 2024	60.9	70.9*	65.9
MCIA Momentum 304	65.6	65.9	65.8
Krause K-0203 SRW	68.7*	62.4	65.6
AgriMaxx 415	55.8	74.7*	65.3
Corteva Pioneer 25R74	68.3*	61.8	65.1
Dyna-Gro WX18416	64.4	64.6	64.5
Krause K-8102 SRW	65.3	63.2	64.3
MCIA MOMEX 4861	62.7	65.4	64.1
Krause K-9103 SRW	62.4	65.3	63.9
Go Wheat EXP 18-2	61.0	65.9	63.5
Dyna-Gro 9932	65.2	61.5	63.4
Dyna-Gro WX19713	68.3*	58.3	63.3
Dyna-Gro WX19714	62.0	64.0	63.0
Dyna-Gro 6522	68.3*	57.4	62.9
Corteva Pioneer 25R50	57.6	67.7*	62.7
KWS Cereals KWS19X03	63.3	61.4	62.4
MCIA MOMEX 4395	55.6	69.1*	62.4
AgriPro SY 8146	62.1	62.2	62.2
MCIA MOMEX 4075	62.4	61.5	62.0
MFA 2449	61.5	62.4	62.0
AgriPro SY 547	59.0	64.8	61.9
AgriMAXX EXP 1913	70.9*	52.3	61.6
AgriPro SY Viper	55.1	67.9*	61.5
MFA 2726	63.5	59.0	61.3
MCIA Momentum 104	59.6	62.0	60.8

MFA 2250	62.4	59.0	60.7
Lewis Hybrids 828	56.7	63.7	60.2
Corteva Pioneer 25R61	62.1	57.6	59.9
Go Wheat 2058	61.6	58.1	59.9
Lewis Hybrids 829	55.0	64.7	59.9
AgriMaxx 444	62.3	57.3	59.8
AgriMAXX 486	58.4	61.1	59.8
DH12SRW056-058	61.4	58.2	59.8
Lewis Hybrids 839	55.5	63.4	59.5
Go Wheat 2059	56.1	62.6	59.4
AgriMAXX EXP 1906	60.9	57.4	59.2
AGS 2055	52.9	65.4	59.2
Lewis Hybrids 851	57.7	60.1	58.9
MCIA MOMEX 4074	63.4	54.4	58.9
Krause K-9102 SRW	57.2	59.1	58.2
Lewis Hybrids 833	51.9	64.5	58.2
Dyna-Gro 9701	57.6	58.4	58.0
AgriMAXX EXP 1902	62.6	53.1	57.9
Go Wheat EXP 18-1	54.2	57.0	55.6
MEAN	**62.7**	**64.2**	**63.5**
LSD	**12.4**	**13.8**	**10.2**
CV	**10.2**	**11.2**	**10.7**

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

Characteristics of Soft Red Winter Wheat Varieties

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

Entry Name	Maturity[1]	Head type[2]	Winter hardy[3]	Hessian fly[4]	FHB[5]	Stem rust[6]	Leaf rust[7]	BYDV[8]	Seed treatments[9]
AgriMAXX 415	M	A	E	S	2	3	2	2	13
AgriMAXX 444	M	A	E	S	1	3	2	2	13
AgriMAXX 463	E	U	E	S	1	1	1	N/I	13
AgriMAXX 473	E	A	E	R	1	N/I	2	2	13
AgriMAXX 475	M	A	E	R	1	N/I	3	2	13
AgriMAXX 485	M	U	E	R	1	2	3	2	13
AgriMAXX 486	M	A	E	R	1	N/I	4	2	13
AgriMAXX 495	M	A	E	R	1	3	2	2	13
AgriMAXX EXP 1902	M	A	E	S	2	1	3	2	13
AgriMAXX EXP 1906	M	A	E	S	3	1	1	2	13
AgriMAXX EXP 1913	E	A	E	S	1	1	1	N/I	13
AgriPro SY 100	L	U	E	S	3	N/I	7	N/I	16, 2
AgriPro SY 547	E	U	E	S	3	N/I	4	N/I	16, 2
AgriPro SY 8146	E	A	E	S	N/I	N/I	N/I	N/I	16, 2
AgriPro SY Viper	M	U	G	S	5	N/I	6	N/I	16, 2
AGS 2024	ME	A	G	S	6	2	2	3	17, 2
AGS 2055	M	A	E	S	7	2	2	5	17, 2
Armor ARW1766	E	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor ARW1815	M	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor ARW1816	M	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor ARW1819	M	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor Mayhem	M	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor Spirit	E	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Armor Voodoo	M	A	E	N/I	N/I	N/I	N/I	N/I	N/I
Corteva Pioneer 25R40	E	A	E	S	6	N/I	5	N/I	5, 16
Corteva Pioneer 25R50	M	U	E	R	3	N/I	3	N/I	5, 16
Corteva Pioneer 25R61	M	A	E	S	3	N/I	3	N/I	5, 16
Corteva Pioneer 25R74	E	A	E	R	4	N/I	5	N/I	5, 16
Corteva Pioneer 25R77	E	A	E	R	6	N/I	7	N/I	5, 16
Corteva Pioneer 26R10	L	A	G	R	5	N/I	3	N/I	17, 2
Corteva Pioneer 26R36	E	A	G	N/I	N/I	N/I	7	N/I	17, 2
Corteva Pioneer 26R41	M	A	G	R	6	N/I	3	N/I	17, 2
Corteva Pioneer 26R45	M	U	G	R	N/I	N/I	7	N/I	17, 2
Corteva Pioneer 26R59	M	U	G	S	N/I	N/I	6	N/I	17, 2
Delta Grow 1000	M	A	G	N/I	N/I			N/I	5
Delta Grow 3500	E	A	G	N/I	N/I			N/I	5
Delta Grow EXP 1400	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Liberty 5658	M	A	N/I	N/I	1	N/I	1	2	8, 10
Dixie Bentley	M	A	G	N/I	N/I	N/I	2	3	8
Dixie Brown	M	A	E	R	2	2	2	2	8
Dixie DXEX 18-1	M	U	E	R	2	3	4	2	3, 16
Dixie DXEX 18-2	M	A	E	R	1	2	2	3	3, 16
Dixie DXEX 19-1	M	A	E	R	N/I	N/I	2	3	3, 16
Dixie Jones	M	A	E	S	2	3	2	2	8
Dyna-Gro 9522	ML	A	E	S	4	3	3	3	8, 10
Dyna-Gro 9701	ME	A	E	R	2	3	2	3	8, 10
Dyna-Gro 9932	M	A	E	R	2	3	2	3	8, 10
Dyna-Gro 9941	ME	A	E	R	2	3	2	3	8, 10
Dyna-Gro WX18416	M	A	E	R	3	3	3	3	8, 10
Dyna-Gro WX19711	M	A	E	S	2	3	3	3	8, 10
Dyna-Gro WX19713	M	A	E	S	2	3	2	3	8, 10
Dyna-Gro WX19714	M	A	E	S	2	3	2	2	8, 10
Go Wheat 2058	ME	A	E	S	3	2	4	5	17, 2
Go Wheat 2059	ME	U	E	S	2	2	2	5	17, 2
Go Wheat EXP 18-1	M	U	G	R	2	3	2	4	17, 2
Go Wheat EXP 18-2	E	A	G	N/I	5	2	N/I	2	17, 2
Green Valley GV 619	E	A	E	I	2	3	1	3	3, 16
Green Valley GV 658	M	A	G	I	2	3	2	2	17
Green Valley GV 668	M	A	E	I	2	2	3	2	17
Green Valley GV 679	L	U	E	I	2	2	3	2	3, 16
Green Valley GV 67X	M	A	G	I	2	2	3	3	3, 16
Green Valley GV68X	M	A	E	I	2	3	3	3	3, 16
Hilliard	M	A	N/I	N/I	2	N/I	1	2	8, 10
Krause K-0202 SRW	M	A	G	I	2	4	4	4	3, 16
Krause K-0203 SRW	M	A	G	I	2	2	4	4	3, 16
Krause K-7102 SRW	M	A	E	I	2	2	2	2	3, 16
Krause K-8102 SRW	E	A	E	S	2	3	2	2	3, 16

Krause K-9102 SRW	M	U	E	I	2	2	3	4	3, 16
Krause K-9103 SRW	M	A	E	I	2	2	2	2	3, 16
KWS Cereals KWS19X03	M	U	E	N/I	N/I	N/I	N/I	N/I	17, 20
KWS Cereals KWS19X09	M	A	E	N/I	N/I	N/I	N/I	N/I	17, 20
Lewis Hybrids 828	M	U	E	N/I	4	N/I	5	N/I	17, 3
Lewis Hybrids 829	M	U	E	N/I	4	N/I	5	N/I	17, 3
Lewis Hybrids 833	M	U	E	N/I	4	N/I	2	N/I	17, 3
Lewis Hybrids 839	M	U	E	N/I	4	N/I	1	N/I	17, 3
Lewis Hybrids 851	L	U	E	N/I	1	N/I	6	N/I	17, 3
Limagrain L11713	E	A	G	N/I	2	N/I	1	N/I	8
Limagrain L11719	M	A	E	N/I	3	N/I	4	3	8
Limagrain L11814	M	A	G	N/I	3	N/I	1	N/I	8
Limagrain L11815	M	U	G	N/I	3	N/I	3	N/I	8
MCIA Momentum 104	E	U	G	N/I	1	3	3	3	3, 22
MCIA Momentum 106	E	U	G	N/I	3	6	6	3	3, 22
MCIA Momentum 304	M	U	G	N/I	3	3	3	3	3, 22
MCIA MOMEX 4074	E	U	G	N/I	2	N/I	3	N/I	3, 22
MCIA MOMEX 4075	E	U	G	N/I	2	N/I	2	N/I	3, 22
MCIA MOMEX 4395	E	U	G	N/I	N/I	N/I	N/I	N/I	3, 22
MCIA MOMEX 4861	M	A	G	N/I	1	1	2	3	3,22
MFA 2250	M	A	G	R	8	7	7	7	19, 2
MFA 2449	M	A	E	R	8	7	8	7	19, 2
MFA 2520	E	U	E	R	8	7	7	7	2, 19
MFA 2633	M	A	E	R	8	7	7	7	19, 2
MFA 2726	M	A	E	R	8	7	8	7	19, 2
USG 3228	E	U	E	S	1	2	3	2	16, 2
USG 3458	M	U	E	S	5	N/I	4	N/I	16, 2
USG 3539	M	A	M	R	4	N/I	2	2	16, 2
USG 3895	M	A	E	S	5	N/I	2	4	16, 2
Weber Seeds Vantage Brand 8834	E	U	E	R	1	N/I	3	N/I	2, 16
Weber Seeds Vantage Brand 8840	M	A	E	R	1	N/I	2	N/I	2, 16
Winfield CP8550	M	A	E	2	N/I	3	3	3	18, 21
Winfield CP8880	M	A	E	3	N/I	3	3	3	18, 21
Winfield CP9606	M	A	E	3	N/I	4	4	4	18, 21

1: E = Early, M = Medium, L = Late
2: A = Awned, U = Unawned
3: E = Excellent, G = Good, F = Fair; N/I = company did not provide information
4: S = Susceptible, R = Resistant, I = Intermediate; N/I = company did not provide information
5 FHB = fusarium head blight; 1 to 9 rating, 1 = excellent 9 = poor; N/I = company did not provide information
6: 1 to 9 rating, 1 = excellent 9 = poor; N/I = company did not provide information
7: 1 to 9 rating, 1 = excellent 9 = poor; N/I = company did not provide information
8 BYDV = barley yellow dwarf virus; 1 to 9 rating, 1 = excellent 9 = poor; N/I = company did not provide information
9: 1=Cereus Trio, 2=Cruiser, 3=CruiserMax, 4=Dividend, 5=Dividend Extreme, 6=Escalate, 7=Evergol,
9: (contd) 8=Foothold Virock, 9=Gaucho, 10=Imidacloprid, 11=Metalaxyl, 12=Nitro Shield IV, 13=Prime ST,
9: (contd) 14=Provoke ST, 15=Raxil MD Pro, 16=Vibrance, 17=Vibrance Extreme, 18=Warden Cereals II
9: (contd) 19=Apron, 20=Cruiser 5FS, 21=Resonate 480, 22=Vibrance Cereals