

2021 WHEAT

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. 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 then 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

2021 WHEAT

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), Laddonia (2), Novelty (3), Albany (4)

Southwest Region

Lockwood (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, Russ Niehoff, Dwight Niehoff, and Missouri Agriculture Experiment Stations.

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 website, please call 573-882-2307. You may print tables from the online version.

Authors

William J. Wiebold is a professor of Plant Sciences and state extension specialist; Will Knuckles, Mark Wieberg, and Carson Miller are senior research specialists.

2021 Missouri Soft Red Winter Wheat North Central Region: Albany

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
Green Valley Seed LLC. - GV 668	114.7**	53.3	3	34
Dyna-Gro Seed - Dyna-Gro 9172	112.9*	52.9	2	32
Green Valley Seed LLC. - GV 62X	110.4*	53.1	2	33
AgriPro - SY VIPER	108.2	52.5	3	36
MFA Incorporated - MFA 2922	104.5	51.6	4	33
Green Valley Seed LLC. - GV 61X	104.4	50.4	1	33
Dyna-Gro Seed - Dyna-Gro WX21741	104.0	52.0	2	34
MFA Incorporated - MFA 2842	102.4	52.4	4	33
Dyna-Gro Seed - Dyna-Gro WX20734	102.0	53.3	1	33
Green Valley Seed LLC. - GV 631	102.0	52.3	1	35
Service and Supply Coop - XL210	101.5	52.0	4	34
Dyna-Gro Seed - Dyna-Gro WX20738	101.4	53.1	1	31
AgriMAXX Wheat Company - AgriMAXX 473	101.2	50.9	5	35
Dyna-Gro Seed - Dyna-Gro 9120	99.0	51.8	5	36
MFA Incorporated - MFA 2633	98.1	48.8	1	32
Green Valley Seed LLC. - GV 619	97.7	54.2	3	33
MCIA - Momentum 106	97.7	52.0	4	35
AgriMAXX Wheat Company - AgriMAXX 514	97.6	50.9	1	34
AgriMAXX Wheat Company - AgriMAXX 513	97.2	51.3	4	35
AgriMAXX Wheat Company - AgriMAXX 503	97.1	53.7	4	34
MCIA - Hilliard	97.1	51.1	1	32
Dyna-Gro Seed - Dyna-Gro 9701	96.6	52.4	1	34
AgriPro - SY 547	96.3	50.6	2	38
Service and Supply Coop - XL297	95.0	51.8	2	36
AgriMAXX Wheat Company - AgriMAXX 505	94.7	52.6	2	33
AgriPro - SY 100	94.7	49.7	5	33
MFA Incorporated - MFA 2726	94.7	52.1	1	34
Dyna-Gro Seed - Dyna-Gro 9002	92.5	50.5	4	35
MCIA - Momentum 110	92.5	51.0	5	32
AgriMAXX Wheat Company - AgriMAXX EXP 2002	92.1	52.5	4	35
AgriPro - SY 576	91.7	50.5	3	36
AgriMAXX Wheat Company - AgriMAXX EXP 2009	91.4	51.5	5	33
MCIA - MOMEX 4074	91.2	52.4	2	35
AgriPro - SY RICHIE	91.1	51.0	1	35
Dyna-Gro Seed - Dyna-Gro 9151	91.1	51.9	5	33
Virginia Crop Improvement Association - Liberty 5658	89.7	51.2	3	36
AgriMAXX Wheat Company - AgriMAXX 516	89.1	52.8	1	33
MFA Incorporated - MFA 2520	87.9	53.1	1	35
Krause Seeds Inc. - K-1202 SRW	87.6	47.9	4	35
MCIA - MOMEX 3410	87.0	50.1	5	33
Service and Supply Coop - XL310	82.4	48.7	4	36
MEAN	97.0	51.6	3	34
LSD (0.10)	5.9	1.1		
CV (%)	5.8	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 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

2021 Missouri Soft Red Winter Wheat North Central Region: Columbia

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
AgriMAXX Wheat Company - AgriMAXX 503	63.5**	55.6	3	30
Dyna-Gro Seed - Dyna-Gro 9002	60.8*	51.6	2	33
MCIA - Momentum 110	60.6*	55.4	2	34
AgriMAXX Wheat Company - AgriMAXX 473	59.1	52.4	2	31
Dyna-Gro Seed - Dyna-Gro WX21741	59.1	52.5	1	32
Dyna-Gro Seed - Dyna-Gro WX20738	58.6	51.3	4	32
Green Valley Seed LLC. - GV 631	57.8	53.2	3	32
Dyna-Gro Seed - Dyna-Gro 9701	56.9	52.1	2	32
MCIA - MOMEX 4074	56.7	55.4	3	31
Virgina Crop Improvement Association - Liberty 5658	56.3	53.0	4	31
Green Valley Seed LLC. - GV 61X	56.0	51.3	2	32
Dyna-Gro Seed - Dyna-Gro 9151	55.6	52.7	2	28
AgriPro - SY VIPER	55.3	53.9	4	29
Dyna-Gro Seed - Dyna-Gro 9172	54.9	53.1	1	33
Green Valley Seed LLC. - GV 62X	54.4	52.0	1	35
MFA Incorporated - MFA 2726	53.2	53.2	1	30
Service and Supply Coop - XL210	53.2	55.0	2	31
MFA Incorporated - MFA 2842	53.1	52.1	3	32
AgriMAXX Wheat Company - AgriMAXX 513	52.4	52.3	3	29
MFA Incorporated - MFA 2922	52.3	49.8	3	29
Green Valley Seed LLC. - GV 619	51.9	52.7	1	33
AgriMAXX Wheat Company - AgriMAXX 516	51.8	52.4	1	31
Green Valley Seed LLC. - GV 668	51.1	52.6	2	30
AgriPro - SY 576	50.6	50.7	1	31
MFA Incorporated - MFA 2633	50.3	50.9	2	35
MCIA - MOMEX 3410	49.9	53.7	1	33
Krause Seeds Inc. - K-1202 SRW	49.1	51.5	4	30
MCIA - Momentum 106	49.1	54.2	1	29
Dyna-Gro Seed - Dyna-Gro 9120	48.6	52.8	5	29
Service and Supply Coop - XL297	48.6	51.7	3	30
Dyna-Gro Seed - Dyna-Gro WX20734	48.1	52.5	1	31
AgriPro - SY 100	47.0	49.5	3	29
Service and Supply Coop - XL310	46.7	48.6	5	29
AgriMAXX Wheat Company - AgriMAXX EXP 2002	46.5	52.8	4	29
AgriMAXX Wheat Company - AgriMAXX EXP 2009	45.2	53.4	3	32
MFA Incorporated - MFA 2520	44.8	54.0	4	29
AgriMAXX Wheat Company - AgriMAXX 505	44.7	53.1	1	35
AgriMAXX Wheat Company - AgriMAXX 514	43.7	50.7	2	29
AgriPro - SY RICHIE	43.2	51.9	2	30
AgriPro - SY 547	42.1	51.9	3	30
MCIA - Hilliard	41.5	49.7	2	30
MEAN	52.1	52.3	2	31
LSD (0.10)	3.9	0.7		
CV (%)	7.1	1.3		

**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

2021 Missouri Soft Red Winter Wheat North Central Region: Laddonia

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
Dyna-Gro Seed - Dyna-Gro 9172	113.8**	55.5	1	32
Green Valley Seed LLC. - GV 62X	112.3*	56.5	1	32
Green Valley Seed LLC. - GV 61X	111.6*	54.9	1	30
AgriMAXX Wheat Company - AgriMAXX 516	110.1*	56.0	1	33
Dyna-Gro Seed - Dyna-Gro 9120	109.7*	56.9	1	32
AgriMAXX Wheat Company - AgriMAXX 503	108.7*	56.5	4	33
AgriPro - SY VIPER	107.8	57.4	1	35
Green Valley Seed LLC. - GV 619	107.8	58.7	3	33
Dyna-Gro Seed - Dyna-Gro 9151	107.0	57.3	1	32
Virginia Crop Improvement Association - Liberty 5658	105.8	57.2	1	34
MFA Incorporated - MFA 2633	104.1	54.9	2	32
Dyna-Gro Seed - Dyna-Gro WX20738	104.0	56.0	1	37
MFA Incorporated - MFA 2842	103.8	57.3	2	33
MFA Incorporated - MFA 2726	103.6	56.8	2	29
Dyna-Gro Seed - Dyna-Gro 9701	103.4	55.9	1	34
AgriMAXX Wheat Company - AgriMAXX 473	103.3	55.9	1	35
Dyna-Gro Seed - Dyna-Gro WX21741	100.7	56.6	1	35
Green Valley Seed LLC. - GV 668	100.2	57.3	1	35
MFA Incorporated - MFA 2922	99.8	56.8	1	33
Dyna-Gro Seed - Dyna-Gro 9002	99.5	56.8	4	33
AgriMAXX Wheat Company - AgriMAXX 513	99.2	57.0	3	35
AgriMAXX Wheat Company - AgriMAXX EXP 2002	98.5	56.7	1	32
AgriMAXX Wheat Company - AgriMAXX 505	98.3	58.0	1	32
Dyna-Gro Seed - Dyna-Gro WX20734	98.1	56.0	2	32
MCIA - Hilliard	98.1	55.1	1	32
AgriMAXX Wheat Company - AgriMAXX EXP 2009	98.0	55.5	3	31
Green Valley Seed LLC. - GV 631	97.6	56.3	1	33
AgriPro - SY 576	97.0	55.9	3	34
AgriPro - SY 100	96.6	54.6	1	32
AgriMAXX Wheat Company - AgriMAXX 514	96.5	54.0	1	33
MCIA - MOMEX 3410	96.5	57.0	3	32
Service and Supply Coop - XL210	96.2	56.5	1	34
Service and Supply Coop - XL310	95.5	56.0	3	33
AgriPro - SY 547	95.3	55.7	1	33
Service and Supply Coop - XL297	95.1	56.4	1	33
AgriPro - SY RICHIE	93.3	54.3	4	34
MCIA - Momentum 106	92.5	57.3	3	33
MCIA - Momentum 110	88.4	57.5	3	34
MFA Incorporated - MFA 2520	88.4	57.3	3	35
Krause Seeds Inc. - K-1202 SRW	88.3	54.2	5	32
MCIA - MOMEX 4074	82.7	56.9	4	34
MEAN	100.5	56.3	1.9	32.9
LSD (0.10)	6.3	0.6	1	1
CV (%)	6.0	1.0	61	4.6

**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

2021 Missouri Soft Red Winter Wheat North Central Region: Novelty

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
AgriMAXX Wheat Company - AgriMAXX 503	84.2**	52.1	1	34
AgriMAXX Wheat Company - AgriMAXX 513	82.8*	48.9	1	34
MCIA - Momentum 110	79.7	52.7	3	34
Krause Seeds Inc. - K-1202 SRW	78.5	48.0	4	35
MFA Incorporated - MFA 2922	78.3	48.2	1	32
Green Valley Seed LLC. - GV 668	78.1	50.5	1	37
MCIA - MOMEX 4074	76.6	52.8	2	32
MFA Incorporated - MFA 2842	76.2	50.4	1	32
AgriMAXX Wheat Company - AgriMAXX 514	76.0	48.7	1	33
Green Valley Seed LLC. - GV 619	75.7	51.5	1	33
Dyna-Gro Seed - Dyna-Gro 9120	74.6	50.6	1	33
Dyna-Gro Seed - Dyna-Gro 9151	74.5	50.6	1	32
Green Valley Seed LLC. - GV 62X	74.1	49.8	1	34
Green Valley Seed LLC. - GV 61X	73.9	47.7	1	34
Green Valley Seed LLC. - GV 631	73.8	50.1	1	37
Service and Supply Coop - XL210	73.6	53.2	2	32
AgriPro - SY VIPER	73.4	51.3	1	35
AgriMAXX Wheat Company - AgriMAXX 473	73.3	50.3	1	34
MCIA - MOMEX 3410	72.9	50.9	1	35
AgriMAXX Wheat Company - AgriMAXX 505	72.5	50.8	1	33
MFA Incorporated - MFA 2520	72.4	52.7	3	35
Dyna-Gro Seed - Dyna-Gro WX20738	72.2	48.5	1	33
Dyna-Gro Seed - Dyna-Gro WX21741	72.1	50.9	1	35
Service and Supply Coop - XL297	71.8	48.0	1	35
MCIA - Momentum 106	71.6	50.5	1	36
Dyna-Gro Seed - Dyna-Gro 9701	71.5	50.5	1	33
AgriMAXX Wheat Company - AgriMAXX EXP 2009	69.8	48.8	1	30
Dyna-Gro Seed - Dyna-Gro 9002	69.6	47.6	1	33
AgriPro - SY 100	69.4	46.7	1	31
MFA Incorporated - MFA 2633	69.0	46.8	1	33
Service and Supply Coop - XL310	68.5	45.5	2	34
AgriMAXX Wheat Company - AgriMAXX EXP 2002	67.8	49.6	1	32
MFA Incorporated - MFA 2726	67.7	50.3	1	33
AgriMAXX Wheat Company - AgriMAXX 516	67.6	50.2	1	34
Dyna-Gro Seed - Dyna-Gro WX20734	66.3	50.2	1	32
MCIA - Hilliard	63.4	47.8	1	35
AgriPro - SY RICHIE	62.9	46.6	1	35
Dyna-Gro Seed - Dyna-Gro 9172	59.6	50.0	1	34
AgriPro - SY 576	58.7	49.2	1	35
Virginia Crop Improvement Association - Liberty 5658	58.0	48.0	1	36
AgriPro - SY 547	57.9	46.6	1	35
MEAN	71.4	49.5	1	34
LSD (0.10)	3.9	0.6		
CV (%)	5.1	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 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

2021 Missouri Soft Red Winter Wheat North Central Region: Summary

Brand/Variety	Columbia (bu/ac)	Ladonia (bu/ac)	Albany (bu/ac)	Novelty (bu/ac)	Mean (bu/ac)
AgriMAXX Wheat Company - AgriMAXX 503	63.5**	108.7*	97.1	84.2**	88.4**
Green Valley Seed LLC. - GV 62X	54.4	112.3*	110.4*	74.1	87.8*
Green Valley Seed LLC. - GV 61X	56.0	111.6*	104.4	73.9	86.5*
AgriPro - SY VIPER	55.3	107.8*	108.2	73.4	86.2*
Green Valley Seed LLC. - GV 668	51.1	100.2	114.7**	78.1	86.0*
Dyna-Gro Seed - Dyna-Gro 9172	54.9	113.8**	112.9*	59.6	85.3*
AgriMAXX Wheat Company - AgriMAXX 473	59.1	103.3	101.2	73.3	84.2*
Dyna-Gro Seed - Dyna-Gro WX20738	58.6	104.0	101.4	72.2	84.1*
Dyna-Gro Seed - Dyna-Gro WX21741	59.1	100.7	104.0	72.1	84.0*
MFA Incorporated - MFA 2842	53.1	103.8	102.4	76.2	83.9*
MFA Incorporated - MFA 2922	52.3	99.8	104.5	78.3	83.7*
Green Valley Seed LLC. - GV 619	51.9	107.8*	97.7	75.7	83.3*
Dyna-Gro Seed - Dyna-Gro 9120	48.6	109.7*	99.0	74.6	83.0
AgriMAXX Wheat Company - AgriMAXX 513	52.4	99.2	97.2	82.8*	82.9
Green Valley Seed LLC. - GV 631	57.8	97.6	102.0	73.8	82.8
Dyna-Gro Seed - Dyna-Gro 9151	55.6	107.0	91.1	74.5	82.1
Dyna-Gro Seed - Dyna-Gro 9701	56.9	103.4	96.6	71.5	82.1
Service and Supply Coop - XL210	53.2	96.2	101.5	73.6	81.1
Dyna-Gro Seed - Dyna-Gro 9002	60.8*	99.5	92.5	69.6	80.6
MFA Incorporated - MFA 2633	50.3	104.1	98.1	69.0	80.4
MCIA - Momentum 110	60.6*	88.4	92.5	79.7	80.3
MFA Incorporated - MFA 2726	53.2	103.6	94.7	67.7	79.8
AgriMAXX Wheat Company - AgriMAXX 516	51.8	110.1*	89.1	67.6	79.7
Dyna-Gro Seed - Dyna-Gro WX20734	48.1	98.1	102.0	66.3	78.6
AgriMAXX Wheat Company - AgriMAXX 514	43.7	96.5	97.6	76.0	78.5
MCIA - Momentum 106	49.1	92.5	97.7	71.6	77.7
AgriMAXX Wheat Company - AgriMAXX 505	44.7	98.3	94.7	72.5	77.6
Service and Supply Coop - XL297	48.6	95.1	95.0	71.8	77.6
Virgina Crop Improvement Association - Liberty 5658	56.3	105.8	89.7	58.0	77.5
AgriPro - SY 100	47.0	96.6	94.7	69.4	76.9
MCIA - MOMEX 4074	56.7	82.7	91.2	76.6	76.8
MCIA - MOMEX 3410	49.9	96.5	87.0	72.9	76.6
AgriMAXX Wheat Company - AgriMAXX EXP 2002	46.5	98.5	92.1	67.8	76.2
AgriMAXX Wheat Company - AgriMAXX EXP 2009	45.2	98.0	91.4	69.8	76.1
Krause Seeds Inc. - K-1202 SRW	49.1	88.3	87.6	78.5	75.9
MCIA - Hilliard	41.5	98.1	97.1	63.4	75.0
AgriPro - SY 576	50.6	97.0	91.7	58.7	74.5
MFA Incorporated - MFA 2520	44.8	88.4	87.9	72.4	73.4
Service and Supply Coop - XL310	46.7	95.5	82.4	68.5	73.3
AgriPro - SY 547	42.1	95.3	96.3	57.9	72.9
AgriPro - SY RICHIE	43.2	93.3	91.1	62.9	72.6
MEAN	52.1	100.5	97.0	71.4	80.2
LSD (0.10)	3.9	6.3	5.9	3.9	5.1
CV (%)	7.1	6.0	5.8	5.1	6.1

**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% plants lodged

2021 Missouri Soft Red Winter Wheat Southeast Region: Charleston

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
UniSouth Genetics, Inc. - USG 3352	114.4**	58.2	2	39
Dyna-Gro Seed - Dyna-Gro 9002	113.2*	57.4	1	40
Dyna-Gro Seed - Dyna-Gro WX21741	111.5*	60.1	1	37
KWS Cereals - KWS291	109.1	57.0	1	35
Pioneer Seeds - P26R10	106.8	58.2	1	39
AgriPro - SY VIPER	104.1	59.0	1	38
KWS Cereals - KWS338	103.7	60.3	1	36
MFA Incorporated - MFA 2842	102.7	61.0	1	37
LOCAL SEED COMPANY LLC - LW2148	102.4	58.1	1	38
UniSouth Genetics, Inc. - USG 3329	102.4	59.1	1	36
Stratton Seed Company - Go Wheat 4059S	102.3	59.8	1	35
AgriPro - SY 547	102.1	58.1	1	41
AgriMAXX Wheat Company - AgriMAXX 505	101.7	59.7	1	41
Dyna-Gro Seed - Dyna-Gro 9120	101.6	60.2	1	35
Dyna-Gro Seed - Dyna-Gro WX20738	101.6	59.3	1	38
MCIA - Momentum 110	101.4	60.3	1	37
AgriMAXX Wheat Company - AgriMAXX 514	101.2	56.3	1	37
AgriPro - SY 100	100.6	56.3	1	35
Dyna-Gro Seed - Dyna-Gro 9172	100.0	57.7	1	37
Virginia Crop Improvement Association - Liberty 5658	100.0	60.0	1	39
MFA Incorporated - MFA 2922	99.7	59.0	1	38
KWS Cereals - KWS342	98.6	60.0	1	37
Pioneer Seeds - P26R59	98.4	55.9	1	31
Pioneer Seeds - P26R45	98.1	56.6	1	38
LOCAL SEED COMPANY LLC - LW2068	97.8	57.0	1	35
MCIA - MOMEX 4074	97.8	59.4	1	38
Pioneer Seeds - P26R36	97.5	58.9	1	34
KWS Cereals - KWS340	97.0	57.8	1	34
MCIA - MOMEX 3410	96.9	58.0	1	34
AgriMAXX Wheat Company - AgriMAXX EXP 2009	96.5	58.4	1	39
LOCAL SEED COMPANY LLC - LW2169	96.3	56.7	1	38
AgriMAXX Wheat Company - AgriMAXX EXP 2002	96.1	58.6	1	32
UniSouth Genetics, Inc. - USG 3316	96.0	56.9	1	39
AgriPro - SY RICHIE	95.5	58.4	1	41
AgriMAXX Wheat Company - AgriMAXX 513	95.4	59.6	1	39
Dyna-Gro Seed - Dyna-Gro WX20734	95.1	58.6	1	38
AgriMAXX Wheat Company - AgriMAXX 503	93.9	58.4	1	39
Dyna-Gro Seed - Dyna-Gro 9151	93.5	60.2	1	33
UniSouth Genetics, Inc. - USG 3472	93.2	57.1	1	36
UniSouth Genetics, Inc. - USG 3536	93.0	58.1	1	40
AgriMAXX Wheat Company - AgriMAXX 473	92.3	57.4	1	38
Dyna-Gro Seed - Dyna-Gro 9701	91.8	56.9	1	41
Stratton Seed Company - Go Wheat 2059	91.3	58.1	1	36
AgriMAXX Wheat Company - AgriMAXX 516	89.1	57.8	1	38
AgriPro - SY 576	88.1	54.4	1	36

2021 Missouri Soft Red Winter Wheat Southeast Region: Charleston

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
MCIA - Hilliard	88.1	58.4	1	40
MCIA - Momentum 106	88.0	58.2	1	39
UniSouth Genetics, Inc. - USG 3562	87.3	59.0	1	37
MFA Incorporated - MFA 2633	87.1	56.0	1	35
MFA Incorporated - MFA 2726	80.0	60.2	1	35
Delta Grow Seed Co. - Delta Grow 1000	79.6	55.7	1	39
MFA Incorporated - MFA 2520	79.2	60.5	1	39
Stratton Seed Company - Go Wheat 2058	76.3	56.9	1	32
LOCAL SEED COMPANY LLC - LW2848	73.7	57.3	1	39
MEAN	85.7	58.3	1	37
LSD (0.10)	4.8	0.9	1	1
CV (%)	4.8	1.4	18	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

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2021 Missouri Soft Red Winter Wheat Southeast Region: Fisk

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
UniSouth Genetics, Inc. - USG 3352	110.8**	57.8	1	33
AgriMAXX Wheat Company - AgriMAXX 516	109.8*	58.9	1	33
Dyna-Gro Seed - Dyna-Gro 9151	108.7*	61.0	1	33
AgriMAXX Wheat Company - AgriMAXX 505	106.3	60.9	1	33
Dyna-Gro Seed - Dyna-Gro WX21741	105.6	60.1	1	34
LOCAL SEED COMPANY LLC - LW2169	105.5	59.4	1	34
UniSouth Genetics, Inc. - USG 3536	105.5	59.3	1	35
AgriMAXX Wheat Company - AgriMAXX 513	105.4	59.5	1	34
LOCAL SEED COMPANY LLC - LW2068	105.4	58.3	1	33
KWS Cereals - KWS338	104.7	60.2	1	29
AgriMAXX Wheat Company - AgriMAXX 503	104.5	59.6	1	35
Dyna-Gro Seed - Dyna-Gro 9701	104.5	59.1	1	37
KWS Cereals - KWS342	104.5	59.0	1	33
AgriMAXX Wheat Company - AgriMAXX 473	104.4	58.3	1	35
AgriMAXX Wheat Company - AgriMAXX 514	103.9	58.3	1	33
Dyna-Gro Seed - Dyna-Gro 9172	103.9	59.2	1	33
Pioneer Seeds - P26R36	103.8	58.4	1	34
LOCAL SEED COMPANY LLC - LW2848	103.6	59.2	1	35
Dyna-Gro Seed - Dyna-Gro 9002	103.4	57.7	1	35
Dyna-Gro Seed - Dyna-Gro WX20734	103.4	58.4	1	33
Pioneer Seeds - P26R45	103.3	57.9	1	34
Stratton Seed Company - Go Wheat 2058	103.1	59.6	1	31
UniSouth Genetics, Inc. - USG 3329	103.0	58.1	1	34
MFA Incorporated - MFA 2922	102.9	59.5	1	34
Stratton Seed Company - Go Wheat 2059	102.8	58.7	1	33
MFA Incorporated - MFA 2842	102.7	61.3	1	32
UniSouth Genetics, Inc. - USG 3472	102.5	59.8	1	30
AgriMAXX Wheat Company - AgriMAXX EXP 2009	101.8	59.7	1	34
UniSouth Genetics, Inc. - USG 3562	101.8	60.2	1	34
KWS Cereals - KWS291	101.6	57.4	1	33
LOCAL SEED COMPANY LLC - LW2148	101.5	59.4	1	34
Dyna-Gro Seed - Dyna-Gro 9120	101.3	61.2	1	34
KWS Cereals - KWS340	101.3	59.6	1	32
Pioneer Seeds - P26R59	101.3	57.5	1	32
Dyna-Gro Seed - Dyna-Gro WX20738	101.2	59.4	1	35
AgriMAXX Wheat Company - AgriMAXX EXP 2002	100.9	60.4	1	34
MFA Incorporated - MFA 2633	100.4	58.0	1	33
Pioneer Seeds - P26R10	100.2	58.0	1	34
AgriPro - SY VIPER	100.1	59.6	1	37
AgriPro - SY 576	99.2	59.3	1	35
AgriPro - SY 547	97.3	58.2	1	34
Stratton Seed Company - Go Wheat 4059S	97.0	59.1	1	30
MCIA - Hilliard	96.9	59.7	1	37
UniSouth Genetics, Inc. - USG 3316	96.4	58.7	1	33
MFA Incorporated - MFA 2726	95.5	59.9	1	32

2021 Missouri Soft Red Winter Wheat Southeast Region: Fisk

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
AgriPro - SY 100	95.0	55.4	1	28
MCIA - MOMEX 3410	94.3	60.1	1	34
Virgina Crop Improvement Association - Liberty 5658	94.0	60.2	1	38
MCIA - MOMEX 4074	91.9	61.5	1	32
MCIA - Momentum 106	91.4	60.2	1	34
AgriPro - SY RICHIE	90.0	56.9	1	35
MCIA - Momentum 110	89.5	60.7	1	31
Delta Grow Seed Co. - Delta Grow 1000	89.1	58.1	1	33
MFA Incorporated - MFA 2520	78.2	61.0	1	34
MEAN	99.9	59.3	1	34
LSD (0.10)	3.9	0.5		
CV (%)	3.7	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

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2021 Missouri Soft Red Winter Wheat Southeast Region: Portageville

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
AgriMAXX Wheat Company - AgriMAXX 513	93.3**	59.6	1	35
Pioneer Seeds - P26R59	90.2*	57.0	1	30
Dyna-Gro Seed - Dyna-Gro 9120	88.4*	59.4	1	32
AgriMAXX Wheat Company - AgriMAXX 516	88.1*	58.9	1	32
AgriPro - SY VIPER	87.4	59.1	1	35
Dyna-Gro Seed - Dyna-Gro WX21741	87.0	59.2	1	33
AgriMAXX Wheat Company - AgriMAXX 505	86.7	60.6	1	31
Pioneer Seeds - P26R10	86.5	57.6	1	34
MFA Incorporated - MFA 2922	86.3	59.5	1	35
UniSouth Genetics, Inc. - USG 3329	85.8	58.2	1	32
KWS Cereals - KWS291	85.4	56.2	1	33
Dyna-Gro Seed - Dyna-Gro 9002	85.3	58.0	1	36
KWS Cereals - KWS338	85.1	59.6	1	33
AgriMAXX Wheat Company - AgriMAXX 514	85.0	56.6	1	34
Pioneer Seeds - P26R36	84.3	59.0	1	32
MFA Incorporated - MFA 2842	84.1	60.4	1	33
MCIA - Momentum 106	83.9	59.1	1	33
UniSouth Genetics, Inc. - USG 3536	83.8	59.2	1	34
AgriPro - SY 100	83.3	55.7	1	30
UniSouth Genetics, Inc. - USG 3352	83.3	57.8	1	35
Stratton Seed Company - Go Wheat 4059S	83.1	58.7	1	31
AgriMAXX Wheat Company - AgriMAXX 503	82.9	59.0	1	33
AgriMAXX Wheat Company - AgriMAXX 473	82.4	58.8	1	32
KWS Cereals - KWS342	82.2	57.8	1	33
Stratton Seed Company - Go Wheat 2058	82.2	60.1	1	33
MCIA - MOMEX 4074	81.7	60.0	1	31
MCIA - Hilliard	81.4	59.9	1	33
LOCAL SEED COMPANY LLC - LW2169	81.3	58.7	1	33
AgriPro - SY RICHIE	81.1	58.5	1	34
LOCAL SEED COMPANY LLC - LW2848	81.1	57.4	1	35
UniSouth Genetics, Inc. - USG 3316	81.1	57.0	1	31
Dyna-Gro Seed - Dyna-Gro 9172	80.9	58.8	1	32
Dyna-Gro Seed - Dyna-Gro 9151	80.7	60.4	1	35
MFA Incorporated - MFA 2633	80.3	57.7	1	32
Stratton Seed Company - Go Wheat 2059	79.8	57.2	1	34
AgriMAXX Wheat Company - AgriMAXX EXP 2009	79.4	57.2	1	32
Pioneer Seeds - P26R45	79.3	57.2	1	33
AgriPro - SY 576	79.2	58.1	1	33
Dyna-Gro Seed - Dyna-Gro WX20738	79.2	57.6	1	33
Dyna-Gro Seed - Dyna-Gro 9701	79.2	58.8	1	33
Delta Grow Seed Co. - Delta Grow 1000	78.6	57.2	1	33
KWS Cereals - KWS340	77.4	59.0	1	34
LOCAL SEED COMPANY LLC - LW2148	77.4	59.8	1	32
LOCAL SEED COMPANY LLC - LW2068	77.3	57.2	1	34
Dyna-Gro Seed - Dyna-Gro WX20734	77.1	58.6	1	31

2021 Missouri Soft Red Winter Wheat Southeast Region: Portageville

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
AgriMAXX Wheat Company - AgriMAXX EXP 2002	77.0	59.1	1	34
MFA Incorporated - MFA 2726	75.0	59.1	1	32
AgriPro - SY 547	74.8	57.4	1	36
MCIA - MOMEX 3410	74.6	59.2	1	33
UniSouth Genetics, Inc. - USG 3562	74.5	58.8	1	34
Virgina Crop Improvement Association - Liberty 5658	73.0	59.6	1	32
MCIA - Momentum 110	72.1	58.9	1	31
UniSouth Genetics, Inc. - USG 3472	70.6	57.2	1	31
MFA Incorporated - MFA 2520	66.7	58.3	1	32
MEAN	80.9	58.5	1	33
LSD (0.10)	5.2	0.8		
CV (%)	6.1	1.4		

**Highest yielding variety in test

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

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

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2021 Missouri Soft Red Winter Wheat Southeast Region: Summary

Brand/Variety	Fisk (bu/ac)	Portageville (bu/ac)	Charleston (bu/ac)	Mean (bu/ac)
UniSouth Genetics, Inc. - USG 3352	110.8**	83.3	114.4**	102.8**
Dyna-Gro Seed - Dyna-Gro WX21741	105.6	87.0	111.5*	101.4*
Dyna-Gro Seed - Dyna-Gro 9002	103.4	85.3	113.2*	100.6*
KWS Cereals - KWS291	101.6	85.4	109.1	98.7*
AgriMAXX Wheat Company - AgriMAXX 505	106.3	86.7	101.7	98.2*
AgriMAXX Wheat Company - AgriMAXX 513	105.4	93.3**	95.4	98.0*
Pioneer Seeds - P26R10	100.2	86.5	106.8	97.8*
KWS Cereals - KWS338	104.7	85.1	103.7	97.8*
AgriPro - SY VIPER	100.1	87.4	104.1	97.2
UniSouth Genetics, Inc. - USG 3329	103.0	85.8	102.4	97.1
Dyna-Gro Seed - Dyna-Gro 9120	101.3	88.4*	101.6	97.1
AgriMAXX Wheat Company - AgriMAXX 514	103.9	85.0	101.2	96.7
Pioneer Seeds - P26R59	101.3	90.2*	98.4	96.6
MFA Incorporated - MFA 2842	102.7	84.1	102.7	96.5
MFA Incorporated - MFA 2922	102.9	86.3	99.7	96.3
AgriMAXX Wheat Company - AgriMAXX 516	109.8*	88.1*	89.1	95.7
Pioneer Seeds - P26R36	103.8	84.3	97.5	95.2
KWS Cereals - KWS342	104.5	82.2	98.6	95.1
Dyna-Gro Seed - Dyna-Gro 9172	103.9	80.9	100.0	94.9
LOCAL SEED COMPANY LLC - LW2169	105.5	81.3	96.3	94.4
Dyna-Gro Seed - Dyna-Gro 9151	108.7*	80.7	93.5	94.3
Stratton Seed Company - Go Wheat 4059S	97.0	83.1	102.3	94.1
UniSouth Genetics, Inc. - USG 3536	105.5	83.8	93.0	94.1
Dyna-Gro Seed - Dyna-Gro WX20738	101.2	79.2	101.6	94.0
LOCAL SEED COMPANY LLC - LW2148	101.5	77.4	102.4	93.8
AgriMAXX Wheat Company - AgriMAXX 503	104.5	82.9	93.9	93.8
Pioneer Seeds - P26R45	103.3	79.3	98.1	93.6
LOCAL SEED COMPANY LLC - LW2068	105.4	77.3	97.8	93.5
AgriPro - SY 100	95.0	83.3	100.6	93.0
AgriMAXX Wheat Company - AgriMAXX 473	104.4	82.4	92.3	93.0
AgriMAXX Wheat Company - AgriMAXX EXP 2009	101.8	79.4	96.5	92.6
KWS Cereals - KWS340	101.3	77.4	97.0	91.9
Dyna-Gro Seed - Dyna-Gro WX20734	103.4	77.1	95.1	91.9
Dyna-Gro Seed - Dyna-Gro 9701	104.5	79.2	91.8	91.8
AgriPro - SY 547	97.3	74.8	102.1	91.4
AgriMAXX Wheat Company - AgriMAXX EXP 2002	100.9	77.0	96.1	91.3
Stratton Seed Company - Go Wheat 2059	102.8	79.8	91.3	91.3
UniSouth Genetics, Inc. - USG 3316	96.4	81.1	96.0	91.2
MCIA - MOMEX 4074	91.9	81.7	97.8	90.5
MFA Incorporated - MFA 2633	100.4	80.3	87.1	89.3
Virgina Crop Improvement Association - Liberty 5658	94.0	73.0	100.0	89.0
AgriPro - SY RICHIE	90.0	81.1	95.5	88.9
UniSouth Genetics, Inc. - USG 3472	102.5	70.6	93.2	88.8
MCIA - Hilliard	96.9	81.4	88.1	88.8
AgriPro - SY 576	99.2	79.2	88.1	88.8
MCIA - MOMEX 3410	94.3	74.6	96.9	88.6
UniSouth Genetics, Inc. - USG 3562	101.8	74.5	87.3	87.9
MCIA - Momentum 106	91.4	83.9	88.0	87.8
MCIA - Momentum 110	89.5	72.1	101.4	87.7
Stratton Seed Company - Go Wheat 2058	103.1	82.2	76.3	87.2
LOCAL SEED COMPANY LLC - LW2848	103.6	81.1	73.7	86.1
MFA Incorporated - MFA 2726	95.5	75.0	80.0	83.5

2021 Missouri Soft Red Winter Wheat Southeast Region: Summary

Brand/Variety	Fisk (bu/ac)	Portageville (bu/ac)	Charleston (bu/ac)	Mean (bu/ac)
Delta Grow Seed Co. - Delta Grow 1000	89.1	78.6	79.6	82.4
MFA Incorporated - MFA 2520	78.2	66.7	79.2	74.7
MEAN	99.9	80.9	95.7	92.2
LSD (0.10)	3.9	5.2	4.8	5.4
CV (%)	3.7	6.1	4.8	4.8

**Highest yielding variety in test

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

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2021 Missouri Soft Red Winter Wheat Southwest Region: Lamar

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
Dyna-Gro Seed - Dyna-Gro 9151	124.7**	59.6	1	39
MFA Incorporated - MFA 2842	124.6*	58.8	1	39
AgriMAXX Wheat Company - AgriMAXX 505	121.3*	59.6	1	36
MCIA - MOMEX 3410	121.0*	58.9	2	39
AgriMAXX Wheat Company - AgriMAXX 513	119.3*	58.7	1	41
Dyna-Gro Seed - Dyna-Gro 9120	119.3*	59.2	1	37
Dyna-Gro Seed - Dyna-Gro WX21741	117.9	56.6	1	40
AgriMAXX Wheat Company - AgriMAXX 514	117.4	55.9	1	41
KWS Cereals - KWS342	117.3	58.5	1	37
AgriMAXX Wheat Company - AgriMAXX EXP 2002	116.3	59.4	1	38
MCIA - Momentum 110	114.6	60.1	2	41
MFA Incorporated - MFA 2633	114.0	56.3	1	36
AgriMAXX Wheat Company - AgriMAXX EXP 2009	113.5	56.9	1	36
KWS Cereals - KWS338	113.4	58.6	1	35
AgriPro - SY VIPER	113.2	58.1	1	39
AgriMAXX Wheat Company - AgriMAXX 516	112.7	55.9	1	39
AgriMAXX Wheat Company - AgriMAXX 503	112.1	57.1	1	36
MCIA - Hilliard	111.1	57.1	1	44
Dyna-Gro Seed - Dyna-Gro 9941	110.5	56.2	1	36
MCIA - Momentum 106	110.2	58.6	1	37
MCIA - MOMEX 4074	110.2	60.2	1	38
KWS Cereals - KWS291	108.7	51.1	1	40
Krause Seeds Inc. - K-1202 SRW	107.7	55.7	1	37
Virginia Crop Improvement Association - Liberty 5658	107.1	59.5	1	40
Dyna-Gro Seed - Dyna-Gro 9172	106.4	57.3	1	38
AgriMAXX Wheat Company - AgriMAXX 473	106.0	57.3	1	41
Dyna-Gro Seed - Dyna-Gro WX20738	105.3	57.6	1	37
Stratton Seed Company - Go Wheat 2059	103.5	57.8	1	37
Dyna-Gro Seed - Dyna-Gro 9002	102.9	55.9	1	37
AgriPro - SY 576	101.2	54.9	1	39
Dyna-Gro Seed - Dyna-Gro WX20734	100.9	54.6	1	37
KWS Cereals - KWS340	97.2	57.7	1	41
Stratton Seed Company - Go Wheat 2058	97.2	55.5	1	32
AgriPro - SY RICHIE	95.9	56.3	1	38
MFA Incorporated - MFA 2726	94.7	59.5	1	36
AgriPro - SY 100	92.9	54.8	1	38
AgriPro - SY 547	92.4	56.2	1	41
Stratton Seed Company - Go Wheat 4059S	92.3	56.6	1	37
MEAN	108.9	57.4	1	38
LSD (0.10)	6.0	0.8		
CV (%)	5.2	1.4		

**Highest yielding variety in test

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

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

2021 Missouri Soft Red Winter Wheat Southwest Region: Lockwood

Brand/Variety	Yield (bu/ac)	Test Weight (lb/bu)	Lodging ~ (1-5)	Height (inches)
MFA Incorporated - MFA 2842	93.1**	58.2	1	38
Dyna-Gro Seed - Dyna-Gro WX21741	91.2*	58.8	1	38
AgriMAXX Wheat Company - AgriMAXX 513	89.3*	59.1	1	39
Dyna-Gro Seed - Dyna-Gro 9002	88.1	58.1	1	35
Dyna-Gro Seed - Dyna-Gro WX20738	86.9	58.4	1	37
AgriPro - SY 547	86.5	59.2	1	41
AgriPro - SY 100	86.5	55.9	1	37
Krause Seeds Inc. - K-1202 SRW	85.9	57.1	1	37
KWS Cereals - KWS338	85.9	56.8	1	36
AgriMAXX Wheat Company - AgriMAXX 505	85.4	60.5	1	37
Dyna-Gro Seed - Dyna-Gro 9151	85.0	59.5	1	36
AgriMAXX Wheat Company - AgriMAXX EXP 2009	84.6	56.7	1	34
AgriMAXX Wheat Company - AgriMAXX 514	84.5	57.0	1	39
AgriMAXX Wheat Company - AgriMAXX 503	84.2	57.4	1	37
Dyna-Gro Seed - Dyna-Gro 9172	84.1	57.7	1	35
MCIA - Momentum 110	84.1	59.5	1	36
AgriMAXX Wheat Company - AgriMAXX 516	83.9	58.6	1	36
MFA Incorporated - MFA 2633	83.7	56.1	1	35
Dyna-Gro Seed - Dyna-Gro 9120	83.6	59.8	1	33
KWS Cereals - KWS342	83.2	58.2	1	36
Stratton Seed Company - Go Wheat 2059	82.6	56.7	1	36
Dyna-Gro Seed - Dyna-Gro 9941	82.5	56.3	1	36
KWS Cereals - KWS340	82.4	58.0	1	37
Stratton Seed Company - Go Wheat 4059S	82.0	58.6	1	34
AgriPro - SY VIPER	81.5	58.5	1	42
AgriMAXX Wheat Company - AgriMAXX EXP 2002	81.2	59.5	1	36
MCIA - Hilliard	78.8	57.9	1	39
Stratton Seed Company - Go Wheat 2058	78.7	58.3	1	30
MCIA - Momentum 106	77.9	57.9	1	38
AgriMAXX Wheat Company - AgriMAXX 473	77.6	56.7	1	38
AgriPro - SY 576	77.2	56.8	1	36
Dyna-Gro Seed - Dyna-Gro WX20734	77.1	56.5	1	35
MFA Incorporated - MFA 2726	76.3	59.2	1	36
MCIA - MOMEX 3410	76.2	57.1	1	37
KWS Cereals - KWS291	76.1	56.7	1	37
MCIA - MOMEX 4074	74.1	58.8	1	34
AgriPro - SY RICHIE	72.4	55.7	1	36
Virgina Crop Improvement Association - Liberty 5658	72.3	58.1	1	39
MEAN	82.1	58.0	1	37
LSD (0.10)	4.0	0.7		
CV (%)	4.6	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 = fewer than 20% plants lodged and 5 = more than 80% plants lodged

2021 Missouri Soft Red Winter Wheat Southwest Region: Summary

Brand/Variety	Lockwood (bu/ac)	Lamar (bu/ac)	Mean (bu/ac)
MFA Incorporated - MFA 2842	93.1**	124.6*	108.9**
Dyna-Gro Seed - Dyna-Gro 9151	85.0	124.7**	104.9*
Dyna-Gro Seed - Dyna-Gro WX21741	91.2*	117.9	104.6*
AgriMAXX Wheat Company - AgriMAXX 513	89.3*	119.3*	104.3*
AgriMAXX Wheat Company - AgriMAXX 505	85.4	121.3*	103.4*
Dyna-Gro Seed - Dyna-Gro 9120	83.6	119.3*	101.5
AgriMAXX Wheat Company - AgriMAXX 514	84.5	117.4	101.0
KWS Cereals - KWS342	83.2	117.3	100.3
KWS Cereals - KWS338	85.9	113.4	99.7
MCIA - Momentum 110	84.1	114.6	99.4
AgriMAXX Wheat Company - AgriMAXX EXP 2009	84.6	113.5	99.1
MFA Incorporated - MFA 2633	83.7	114.0	98.9
AgriMAXX Wheat Company - AgriMAXX EXP 2002	81.2	116.3	98.8
MCIA - MOMEX 3410	76.2	121.0*	98.6
AgriMAXX Wheat Company - AgriMAXX 516	83.9	112.7	98.3
AgriMAXX Wheat Company - AgriMAXX 503	84.2	112.1	98.2
AgriPro - SY VIPER	81.5	113.2	97.4
Krause Seeds Inc. - K-1202 SRW	85.9	107.7	96.8
Dyna-Gro Seed - Dyna-Gro 9941	82.5	110.5	96.5
Dyna-Gro Seed - Dyna-Gro WX20738	86.9	105.3	96.1
Dyna-Gro Seed - Dyna-Gro 9002	88.1	102.9	95.5
Dyna-Gro Seed - Dyna-Gro 9172	84.1	106.4	95.3
MCIA - Hilliard	78.8	111.1	95.0
MCIA - Momentum 106	77.9	110.2	94.1
Stratton Seed Company - Go Wheat 2059	82.6	103.5	93.1
KWS Cereals - KWS291	76.1	108.7	92.4
MCIA - MOMEX 4074	74.1	110.2	92.2
AgriMAXX Wheat Company - AgriMAXX 473	77.6	106.0	91.8
KWS Cereals - KWS340	82.4	97.2	89.8
Virginia Crop Improvement Association - Liberty 5658	72.3	107.1	89.7
AgriPro - SY 100	86.5	92.9	89.7
AgriPro - SY 547	86.5	92.4	89.5
AgriPro - SY 576	77.2	101.2	89.2
Dyna-Gro Seed - Dyna-Gro WX20734	77.1	100.9	89.0
Stratton Seed Company - Go Wheat 2058	78.7	97.2	88.0
Stratton Seed Company - Go Wheat 4059S	82.0	92.3	87.2
MFA Incorporated - MFA 2726	76.3	94.7	85.5
AgriPro - SY RICHIE	72.4	95.9	84.2

2021 Missouri Soft Red Winter Wheat Southwest Region: Summary

Brand/Variety	Lockwood (bu/ac)	Lamar (bu/ac)	Mean (bu/ac)
MEAN	82.1	108.9	95.5
LSD (0.10)	4.0	6.0	7.2
CV (%)	4.6	5.2	5.0

**Highest yielding variety in test

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

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Characteristics of Soft Red Winter Wheat Varieties 2021

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 Wheat Company - AgriMAXX 473	E	A	E	R	1	N/I	2	2	9
AgriMAXX Wheat Company - AgriMAXX 503	ME	U	E	S	2	2	3	N/I	9
AgriMAXX Wheat Company - AgriMAXX 505	ME	A	E	S	3	2	3	N/I	9
AgriMAXX Wheat Company - AgriMAXX 513	ME	A	E	R	2	2	2	2	9
AgriMAXX Wheat Company - AgriMAXX 514	M	A	E	S	2	3	3	2	9
AgriMAXX Wheat Company - AgriMAXX 516	M	A	E	S	2	2	2	2	9
AgriMAXX Wheat Company - AgriMAXX EXP 2002	ME	A	E	S	3	3	3	2	9
AgriMAXX Wheat Company - AgriMAXX EXP 2009	E	A	E	S	2	2	2	3	9
AgriPro - SY RICHIE	E	N/I	G	S	8	N/I	2	N/I	1, 10
AgriPro - SY 576	L	A	E	S	2	N/I	2	N/I	1, 10
AgriPro - SY 547	M	N/I	E	S	5	N/I	4	N/I	1, 10
AgriPro - SY VIPER	M	N/I	G	S	6	N/I	6	N/I	1, 10
AgriPro - SY 100	L	U	E	S	4	N/I	6	N/I	N/I
Delta Grow Seed Co. - Delta Grow 1000	ME	A	G	I	8	7	8	7	1, 3
Dyna-Gro Seed - Dyna-Gro 9002	M	A	E	R	2	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro 9151	M	A	E	N/I	1	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro 9172	M	A	E	N/I	1	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro 9120	E	A	E	N/I	3	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro WX20734	M	A	E	N/I	N/I	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro WX20738	E	A	E	N/I	N/I	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro WX21741	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro 9701	M	A	E	R	1	N/I	N/I	N/I	4, 5, 6
Dyna-Gro Seed - Dyna-Gro 9941	E	A	E	R	1	N/I	N/I	N/I	4, 5, 6
Green Valley Seed LLC. - GV 619	E	A	G	I	3	3	4	3	1, 10
Green Valley Seed LLC. - GV 631	M	A	E	I	2	2	3	4	1, 10
Green Valley Seed LLC. - GV 668	L	A	G	I	3	3	4	4	1, 10
Green Valley Seed LLC. - GV 61X	E	A	G	I	N/I	N/I	N/I	N/I	1, 10
Green Valley Seed LLC. - GV 62X	M	A	G	I	N/I	N/I	N/I	N/I	1, 10
Krause Seeds Inc. - K-1202 SRW	M	A	E	I	2	2	3	2	2, 10
KWS Cereals - KWS291	M	U	E	N/I	4	N/I	1	N/I	1, 11
KWS Cereals - KWS338	M	U	E	I	4	N/I	5	N/I	1, 11
KWS Cereals - KWS340	M	U	G	S	4	N/I	2	N/I	1, 11
KWS Cereals - KWS342	M	U	G	S	5	N/I	4	N/I	1, 11
LOCAL SEED COMPANY LLC - LW2169	M	A	E	N/I	1	1	1	1	14
LOCAL SEED COMPANY LLC - LW2148	ME	U	E	S	1	2	2	1	14
LOCAL SEED COMPANY LLC - LW2068	M	A	E	S	2	3	3	2	14
LOCAL SEED COMPANY LLC - LW2848	ME	A	E	R	1	2	1	2	14
MCIA - Hilliard	M	A	G	R	N/I	N/I	5	9	2, 13
MCIA - Momentum 106	E	U	G	N/I	2	N/I	5	3	2, 13
MCIA - Momentum 110	E	U	G	N/I	2	N/I	3	3	2, 13
MCIA - MOMEX 4074	E	U	G	N/I	2	5	3	3	2, 13
MCIA - MOMEX 3410	E	U	G	N/I	2	N/I	5	3	2, 13
MFA Incorporated - MFA 2726	E	A	N/I	S	8	8	8	6	1, 15
MFA Incorporated - MFA 2633	M	A	N/I	R	7	6	7	7	1, 15
MFA Incorporated - MFA 2842	M	A	N/I	S	8	6	6	8	1, 15
MFA Incorporated - MFA 2520	E	U	N/I	S	8	7	7	7	1, 15
MFA Incorporated - MFA 2922	E	A	N/I	S	7	N/I	8	N/I	1, 15
Pioneer Seeds - P26R10	L	A	G	R	N/I	N/I	7	N/I	1, 12
Pioneer Seeds - P26R36	E	A	G	I	N/I	N/I	3	N/I	1, 12
Pioneer Seeds - P26R45	M	U	G	R	N/I	N/I	3	N/I	1, 10
Pioneer Seeds - P26R59	M	U	G	I	N/I	N/I	5	N/I	1, 12
Service and Supply Coop - XL210	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Service and Supply Coop - XL297	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Service and Supply Coop - XL310	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Stratton Seed Company - Go Wheat 2059	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Stratton Seed Company - Go Wheat 2058	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
Stratton Seed Company - Go Wheat 4059S	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I	N/I
UniSouth Genetics, Inc. - USG 3352	ME	A	E	R	4	N/I	3	N/I	N/I
UniSouth Genetics, Inc. - USG 3316	M	A	E	S	2	N/I	4	3	6, 7, 8
UniSouth Genetics, Inc. - USG 3329	ME	A	E	S	2	4	4	3	6, 7, 8
UniSouth Genetics, Inc. - USG 3472	M	A	E	N/I	2	2	2	2	6, 7, 8
UniSouth Genetics, Inc. - USG 3562	M	A	E	R	3	2	2	3	6, 7, 8
UniSouth Genetics, Inc. - USG 3536	ML	A	E	R	2	N/I	3	3	6, 7, 8
Virginia Crop Improvement Association - Liberty 5658	M	A	N/I	N/I	1	N/I	1	2	2, 16

1: E = Early, M = Medium, L = Late

2: A = Awmed, U = Unawmed

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=Cruiser, 2=CruiserMaxx, 3=Dividend, 4=Awaken ST

9: (contd) 5=Foothold Virock, 6=Imidacloprid, 7=Metalaxyl, 8=Ipoconazole

9: (contd) 9=Prime ST, 10=Vibrance, 11=Vibrance Extreme, 12=Vibrance Quattro

9: (contd) 13=Vibrance Cereals, 14= RADIUS, 15=Apron, 16=Cruiser 5FS