MISSISSIPPI WHEAT AND OAT

VARIETY TRIALS, 2025

Information Bulletin 596 • August 2025

MISSISSIPPI'S OFFICIAL VARIETY TRIALS

MISSISSIPPI STATE UNIVERSITY™
MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION

TECHNICAL ADVISORY COMMITTEE

NOTE TO USER

This Mississippi Agricultural and Forestry Experiment Station Information Bulletin is a summary of research conducted at locations shown on the map on the second page. It is intended for the use of colleagues, cooperators, and sponsors. The interpretation of data presented herein may change after additional experimentation. Information included herein is not to be construed either as a recommendation for use or as an endorsement of a specific variety or product by Mississippi State University or the Mississippi Agricultural and Forestry Experiment Station.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Trade names of commercial products used in this report are included only for clarity and understanding.

Mississippi Wheat and Oat Variety Trials, 2025

BRAD BURGESS
Director, Variety Testing
Mississippi Agricultural and Forestry Experiment Station

TOM ALLEN
Extension/Research Professor
Agricultural Science and Plant Protection
Delta Research and Extension Center

JAKE BULLARD
Assistant Director, Variety Testing
Mississippi Agricultural and Forestry Experiment Station

ERICK LARSON
Extension/Research Professor
Plant and Soil Sciences

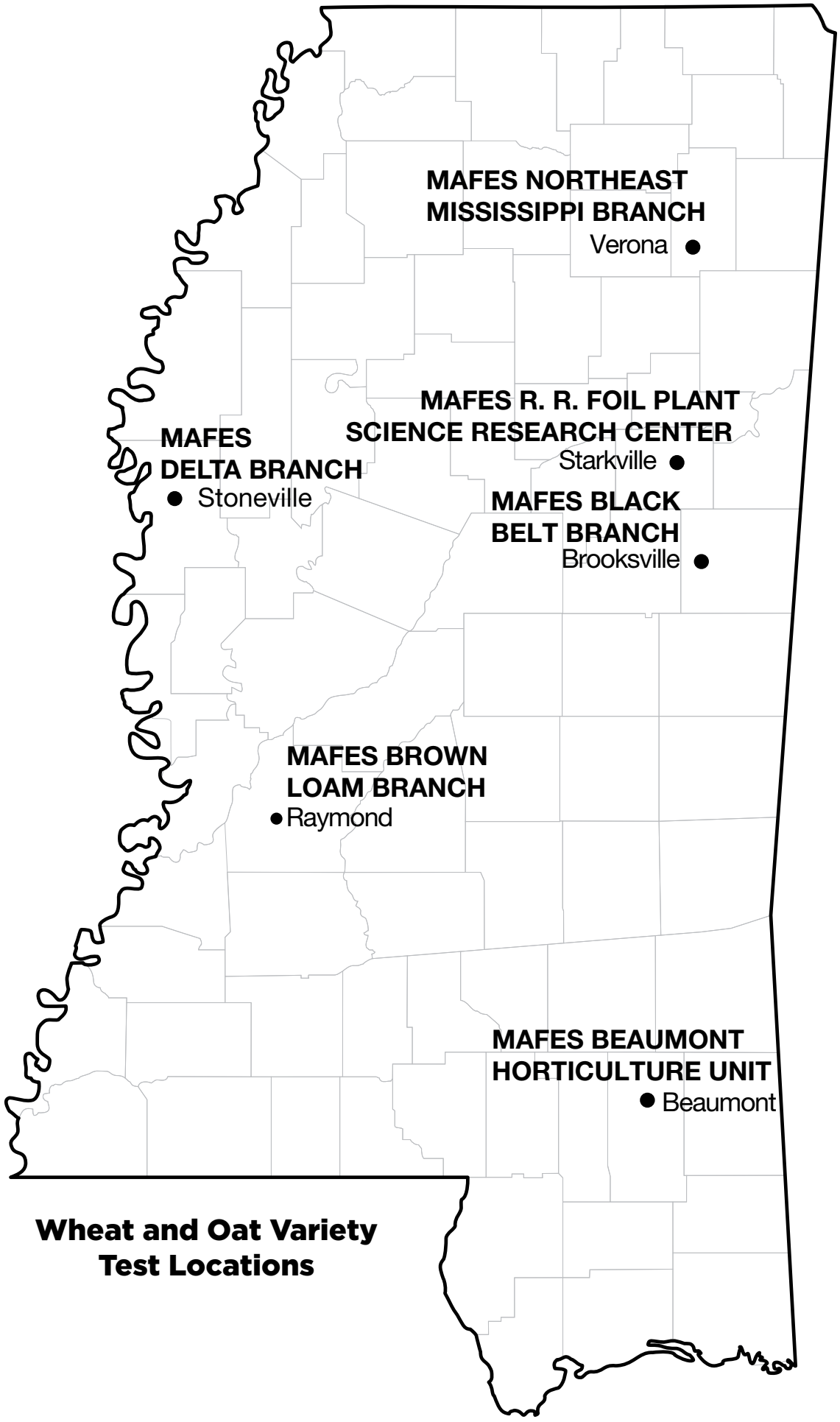
TYLER SOIGNIER
Assistant Professor
Plant and Soil Sciences
MAFES Brown Loam Branch Experiment Station

JOSHUA WHITE
Assistant Professor of Practice
Manager, Forage Variety Testing
Plant and Soil Sciences

For more information, contact Brad Burgess at (662) 325-2390; email, Brad.Burgess@msstate.edu. Recognition is given to Drew Nickels, research technician for the MAFES variety trial program, for his assistance in packaging, planting, harvesting, and recording plot data. This publication was prepared by Dixie Albright, office associate for MAFES Research Support Units. Josh White, manager of forage variety testing, performed statistical analyses.

This document was approved for publication as Information Bulletin 596 of the Mississippi Agricultural and Forestry Experiment Station. It was published by Agriculture and Natural Resources Marketing.

Find variety trial information online at mafes.msstate.edu/variety-trials.



Wheat and Oat Variety Test Locations

Mississippi Wheat and Oat Variety Trials, 2025

INTRODUCTION

Small grains are grown throughout Mississippi. Wheat is the primary crop, followed by oats. Wheat and oat variety trials were conducted at six locations in Mississippi in 2024-2025. Wheat yields typically range from 40–60 bushels per acre and often produce 60–80 bushels per acre under good management and favorable weather conditions. Oat yields from 50–80 bushels per acre are common.

PROCEDURES

EXPERIMENTAL DESIGN. Experimental design for each crop species at each location was a randomized complete block with four replications. Plots consisted of seven 15-foot rows spaced 7.5 inches apart.

CULTURAL PRACTICES. Plots were limed and fertilized according to soil test recommendations. Foliar fungicides were not applied to most trial locations to insure that genetic performance of the varieties was evaluated under natural environmental conditions. Herbicides were applied as needed at each location for weed control.

SEED SOURCE. Seeds of all private entries were supplied by participating companies. Seeds of all public varieties were breeder or foundation seed from the state that developed the variety.

PLANTING RATE. All seeds were packaged for planting at the rate of 20 seeds per foot of row for both crops. Plots were planted with a cone, spinner-divider planter.

YIELD. A plot combine was used to harvest the total plot area after the plots were trimmed to a standard length. Harvested seed were converted to bushels per acre (60 pounds per bushel for wheat and 32 pounds per bushel for oats).

HEADING DATE. At most locations, the heading date for each variety was recorded. This is the date when 50% of the heads were extended above the flag leaf.

PLANT HEIGHT. The height of plants was measured from the soil to the top of the spike or head.

LODGING. Lodging was rated on a 1–5 scale: 1 = almost all plants erect; 2 = all plants leaning slightly or only a few plants down; 3 = all plants leaning moderately or 25–50% of plants down; 4 = all plants leaning considerably or 50–80% of plants down; and 5 = all plants down.

SEED TEST WEIGHT. The test weight for each variety was determined from a composite sample from all replications.

DISEASE RATINGS. All varieties were rated for development of leaf rust and Septoria leaf and Stagonospora glume blotch according to *James' Manual of Assessment Keys for Plant Diseases*. At growth stages 10.5 (spikes emerged) and 11.1 (milky ripe), 10 plants were selected at random from each plot. The percentage of leaf area affected by each disease on the flag leaf was recorded. From these data, an assessment was made of the overall disease response of each variety.

IMPORTANT FACTORS FOR PRODUCERS

LAND SELECTION. Waterlogged soils often limit wheat productivity. Poorly drained, heavy soils of the Delta and bottomland areas of east Mississippi should be avoided.

SEEDING METHODS. Timely and proper seeding techniques insure rapid, successful establishment of small-grain seedlings. Planting into a moist weed-free seedbed with a grain drill is the preferred seeding method for small grains. Modern drills are capable of seeding in many unprepared (no tillage) as well as traditionally prepared seedbeds. The optimum seeding depth ranges from 1–1.5 inches, depending upon soil moisture status and soil type. Deep seeding is recommended when soil moisture is marginally dry, particularly on light, sandy soils. Producers who do not have grain drills may "rough in" small grains by broadcast sowing on recently tilled soil and covering the seed with a light tillage operation, such as a harrow, field cultivator, or shallow disking. Seeding rates should be increased approximately 25% when utilizing the "rough in" system to compensate for poorer establishment since seeding depth is random and no firming over the seed occurs with this method. When field conditions are too wet to permit tractor operations, or when over-seeding an existing crop, small grains may be aerially broadcast seeded. Seeding rates should be increased about 75% compared with drilled rates since surface establishment is extremely dependent upon ambient environmental conditions. Thus, aerial seeding is usually only recommended for late-planted small grains since evaporation rates are much lower late in the fall and little time remains to seed using normal planting methods.

SEEDING RATES. Normal seeding rates for planting with a drill vary from 80–100 pounds of seed per acre, depending upon the variety and planting date. The low rate should be used when planting at the normal date and the higher rates when planting late or when planting conditions are poor. If seed is broadcast and covered with a disk or field cultivator, 100–120 pounds of seed per acre should be planted. When seeding aerially, about 150 pounds per acre should be applied. Seeding rates are similar for oats. This rate should result in final plant stands of approximately 25–30 plants per square foot.

COLD REQUIREMENTS. Winter varieties of small grains require a certain amount of cold weather (less than 40° F) before the plants will form seed heads. This process is called vernalization. Most of the wheat varieties planted in Mississippi require low temperatures to reproduce; oats do not. In some years, there is not enough cold weather in south Mississippi for some northern-adapted wheat varieties, resulting in little or no seed-head production. Normally, these varieties have late heading dates at south Mississippi locations. Check adaptation of unfamiliar varieties with an MSU Extension Service agent or seed company representative.

PLANTING DATES. Planting before recommended planting dates often results in establishment difficulty, increased stress and pest problems (freeze injury, aphids, Hessian fly, and disease). Late planting may not expose wheat plants to cool temperatures long enough for proper development. Recommended planting dates vary according to the region:

North Mississippi	Oct. 1 to Nov. 5
Central Mississippi	Oct. 15 to Nov. 25
South Mississippi	Nov. 1 to Dec 10

DISEASE MANAGEMENT. Several diseases may attack wheat and oat plants in Mississippi. Leaf rust, Stripe rust, and several head diseases are very common. Planting disease-resistant varieties is the most practical and economical method to manage diseases; however, chemical control may be required to control severe outbreaks.

FERTILIZATION. Keep soil pH 6 or higher. Growers should test and apply lime, phosphate, and potash according to soil analysis recommendations. If soybeans follow a wheat crop on heavy soils (clays, clay loams, and silt loams), apply phosphate and potash for the soybean crop before planting the wheat. This practice is not recommended on sandy soils because potash may be leached away. Nitrogen rate recommendations vary from 90–160 pounds per acre depending primarily upon soil texture, with higher rates needed on clay soils. Split application of nitrogen fertilizer is strongly encouraged for wheat production to improve crop-fertilizer use efficiency. One-third or less of the total nitrogen should be applied when dormancy breaks in the spring on tillering wheat. Apply the balance of

the nitrogen when wheat becomes strongly erect and stem elongation begins, which generally occurs from late February through mid-March.

WEED CONTROL. Mississippi State University Extension Service Publication 1532, *Weed Control Guidelines for Mississippi,* provides detailed information for controlling weeds in wheat and oats. For more specific information, refer to MSU Extension Information Sheet 961, *Small Grains Production*.

SAVING SEED. Many private and public wheat varieties are protected from unauthorized replanting by the Plant Variety Protection Act (PVPA) and/or United States patent. Seed produced from a patented variety cannot be planted for any purpose, including nontraditional uses. PVPA-protected seed cannot be sold, advertised, offered, delivered, consigned, exchanged, or exposed for sale without permission from the proprietary seed owner. In addition, no one can try to buy, transfer, or possess the variety in any way. It also is illegal to clean or condition such seed to sell for planting purposes. Retail dealers, seed cleaners, and consumers all are legally responsible for these violations. An exemption to the 1994 amended PVPA allows growers to collect and save seed produced from any legally purchased PVPA-protected variety. They can use this seed for their own future planting, but they cannot sell, trade, or transfer it to others for planting purposes. No one can replant a wheat variety that is **patented** for any reason. For further information please refer to these websites:

Plant Variety Protection Act:
https://datcp.wi.gov/Documents/BrownBagSeed.pdf

Plant Variety Protection Office PVP Database:
https://www.ams.usda.gov/datasets/plant-variety

United States Patent Database:
https://ppubs.uspto.gov/pubwebapp/static/pages/landing.html

USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given variety cannot be predicted with complete accuracy. Consequently, replicate plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicate plots of that variety. Yields vary somewhat from one replicate plot to another, which introduces a certain degree of error to the estimation of yield potential. This natural variation is often responsible for yield differences among different varieties. Thus, even if the mean yields of two varieties are numerically different, they are not necessarily significantly different in terms of yield potential. In other words, the ability to measure yield is not precise enough to determine whether such small differences are observed purely by chance or because of superior performance.

The least significant difference (LSD) is an estimate of the smallest difference between two varieties that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

Hybrid	Yield
Abe	60 bu/A
Bill	55 bu/A
Charlie	51 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre (60 - 55 = 5). This difference is smaller than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same yield potential since the observed difference occurred purely due to chance.

The difference between variety Abe and variety Charlie is 9 bushels per acre (60 - 51 = 9), which is larger than the LSD (7 bushels per acre). Therefore, it is concluded that the yield potential of variety Abe is superior to that of variety Charlie since the difference is larger than would be expected purely by chance.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial. This unexplained variation could be the result of variation between plots with respect to soil type, fertility, insects, diseases, weather stress, etc. In general, the higher the CV is, the lower the precision in a given trial. The coefficient of determination (R^2) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90% indicates that 90% of the observed variation in the trial has been accounted for in the trial with the remaining 10% being unaccounted. The higher the R^2 value is, the more precise the trial. The R^2 is generally considered to be a better measure of precision than is the CV for comparison of different trials.

Table 1. 2024-25 MSU OVT Wheat Locations and Dates.

Location	Soil Type	Planting Date	Harvest Date	Crop Tested
Beaumont	McLaurin sandy loam	11/18/24	5/21/25	wheat
Brooksville	Brooksville silty clay	11/8/24	6/11/25	wheat
Raymond	Memphis silt loam	11/7/24	6/6/25	wheat
Starkville	Marietta fine sandy loam	11/6/24	6/4/25	wheat
Stoneville (clay)	Commerce silty clay loam and Tunica clay	11/12/24	6/2/25	wheat
Stoneville (loam)	Bosket very fine sandy loam	11/12/24	6/2/25	wheat
Verona	Leeper silty clay	11/6/24	6/4/25	wheat

Table 2. 2024-25 MSU OVT Wheat Locations and Dates.						
Location	**Soil Type**	**Planting Date**	**Harvest Date**	**Soil pH**	**Soil Fertility**	**Fertilizer & Dates**
Location	Soil type	Planting Date	Harvest Date	soil pH	soil fertility	fertilizer & dates
Beaumont	McLaurin sandy loam	11/18/24	5/21/25	6.3	P-M, K-M	Preplant-13-13-13 @ 300 lbs/A Topdress-13-13-13@ 300 lbs/A on Feb. 3; N @ 66 lbs/A (33-0-0-12S) on March 6.
Brooksville	Brooksville silty clay	11/8/24	6/11/25	6.4	P-M, K-M	Preplant- 0-20-20 @ 250 lbs/A Topdress-N @ 40 lbs/A (33-0-0-12S) on Feb. 26; N @ 80 lbs/A (33-0-0-12S) on March 20.
Raymond	Memphis silt loam	11/7/24	6/6/25	5.7	P-M, K-M	Topdress-19-19-19 @ 250 lbs/A on January 30; N @ 115 lbs/A (Urea) on March 19
Starkville	Marietta fine sandy loam	11/6/24	6/4/25	6.4	P-H, K-M	Topdress-13-13-13 @ 250 lbs/A on Feb. 26; N @ 80 lbs/A (33-0-0-12S) on March 20.
Stoneville (clay)	Commerce silty clay loam and Tunica clay	11/12/24	6/2/25	6.8	P-M, K-M	Preplant- 19-19-19 @ 250 lbs/A Topdress- N @ 31 lbs/A (21-0-0-24S) on Feb. 17; N @ 115 lbs/A (Urea) on March 20.
Stoneville (loam)	Bosket very fine sandy loam	11/12/24	6/22/25	6.5	P-M, K-M	Preplant- 19-19-19 @ 250 lbs/A Topdress- N @ 31 lbs/A (21-0-0-24S) on Feb. 17; N @ 115 lbs/A (Urea) on March 20.
Verona	Leeper silty clay	11/6/24	6/4/25	6.5	P-M, K-M	Topdress-13-13-13 @ 250 lbs/A on Feb. 26; N @ 80 lbs/A (33-0-0-12S) on March 20.

Table 3. Companies supplying wheat brands/varieties entered.		
Company	**Variety**	
AgriMAXX Wheat Company 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX AgriMAXX AgriMAXX AgriMAXX AgriMAXX AgriMAXX	535 543 514 516 553 EXP2410
Delta Grow Seed P.O. Box 219 England, AR 72406	Delta Grow Delta Grow Delta Grow	1200 1800 1000
Progeny Ag Products 1529 Hwy 193 South Wynne, AR 72396	Progeny Ag Progeny Ag Progeny Ag Progeny Ag Progeny Ag Progeny Ag	#TURBO #BUSTER #BINGO #CHAD #COLT (PGX 22-4) PGX 23-16
UniSouth Genetics, Inc. 3205 C Hwy 46 S Dickson, TN 37055	USG USG USG USG	3755 3352 EXP 3446 3354
Stratton Seed Company 1530 Hwy 79 South Stuttgart, AR 72160	Go Wheat Go Wheat	6056 6000
SunGrains	SunGrains SunGrains SunGrains SunGrains SunGrains SunGrains	GA131176-24-6-7-6-8-22E8 GA141028-13-3-4-22LE25 LA17006-LDH042 LA18003-NDH119 LA19333-NDH31 LA19333-NDH34

SUMMARIES OF WHEAT YIELDS

Table 4a. 2024-25 yield summary of wheat variety trials in Mississippi.								
Brand	**Variety[1]**	**Brooksville (clay)**	**Starkville (loam)**	**Verona (clay)**	**North Average**	**Beaumont (loam)**	**Raymond (loam)**	**South Average**
		bu/A	**bu/A**	**bu/A**	**bu/A**	**bu/A**	**bu/A**	**bu/A**
AgriMAXX	514	66.9	65.7	53.9	62.2	45.6	78.3	61.9
AgriMAXX	516	63.3	72.7	55.0	63.6	42.5	53.5	48.0
AgriMAXX	535	71.4	69.7	59.2	66.8	33.6	71.0	52.3
AgriMAXX	543	74.0	68.8	64.7	69.2	35.2	77.3	56.3
AgriMAXX	553	68.6	75.2	70.5	71.4	28.0	63.3	45.7
AgriMAXX	EXP2410 *	60.7	70.1	66.7	65.8	26.7	55.1	40.9
Delta Grow	1200	70.4	70.5	53.6	64.8	34.7	79.3	57.0
Delta Grow	1800	62.7	62.6	55.3	60.2	39.2	75.2	57.2
Delta Grow	1000	62.4	61.8	62.4	62.2	31.1	61.4	46.2
Progeny	#BINGO	63.1	69.3	52.8	61.7	37.8	77.1	57.4
Progeny	#CHAD	67.5	76.9	60.1	68.2	51.4	82.4	66.9
Progeny	#COLT	50.5	56.5	51.0	52.7	40.3	50.6	45.5
Progeny	#TURBO	69.6	70.3	63.7	67.9	50.7	80.1	65.4
Progeny	PGX 23-16 *	59.5	72.6	59.5	63.9	42.5	76.0	59.3
Progeny	#BUSTER	75.6	67.8	63.5	69.0	36.3	74.3	55.3
Stratton Seed	GoWheat 6000	65.9	60.1	48.9	58.3	42.3	75.5	58.9
Stratton Seed	GoWheat 6056	58.1	69.0	56.0	61.0	38.3	47.4	42.9
SunGrains	GA131176-24-6-7-6-8-22E8 *	63.2	63.0	41.7	56.0	62.4	82.7	72.5
SunGrains	GA141028-13-3-4-22LE25 *	70.1	68.6	52.0	63.6	52.2	73.4	62.8
SunGrains	GA18117-58NCDH-23E37F *	57.4	60.9	49.1	55.8	64.1	79.8	71.9
SunGrains	LA15203-LDH197 *	72.1	73.5	57.0	67.6	56.2	80.1	68.1
SunGrains	LA17006-LDH042 *	73.3	65.3	51.7	63.4	55.7	88.0	71.9
SunGrains	LA18003-NDH119 *	69.4	66.5	66.1	67.3	47.0	91.2	69.1
SunGrains	LA19333-NDH31 *	66.1	53.5	48.5	56.0	57.1	79.0	68.0
SunGrains	LA19333-NDH34 *	68.7	70.1	53.8	64.2	61.3	82.0	71.7
USG	3352	56.0	67.9	56.4	60.1	34.2	47.0	40.6
USG	3354	59.9	58.1	46.7	54.9	30.8	56.0	43.4
USG	3755	45.7	58.7	54.8	53.1	48.0	42.6	45.3
USG	EXP 3446 *	69.7	72.1	61.6	67.8	47.8	84.5	66.2
MEAN		64.9	66.8	56.4	62.7	43.9	71.2	57.5
CV		9.8	9.4	6.9		11.6	11.7	
LSD(0.05)		9.0	8.8	5.5		8.9	11.7	
R^2		61.9	59.5	81.5		66.6	78.3	
ERROR DF		84	84	84		56	84	

[1]Varieties followed by an asterisk indicates an experimental entry.

Table 4b. 2024-25 yield summary of wheat variety trials in Mississippi.					
Brand	**Variety[1]**	**Stoneville (clay)**	**Stoneville (loam)**	**Delta Average**	**Overall Average**
		bu/A	**bu/A**	**bu/A**	**bu/A**
AgriMAXX	514	65.1	62.1	63.6	62.5
AgriMAXX	516	69.1	52.2	60.7	58.3
AgriMAXX	535	73.0	61.1	67.0	62.7
AgriMAXX	543	76.1	60.2	68.1	65.2
AgriMAXX	553	64.2	55.9	60.0	60.8
AgriMAXX	EXP2410 *	61.1	52.3	56.7	56.1
Delta Grow	1200	62.9	50.5	56.7	60.3
Delta Grow	1800	58.7	49.0	53.9	57.5
Delta Grow	1000	59.8	44.0	51.9	54.7
Progeny	#BINGO	71.0	62.1	66.6	61.9
Progeny	#CHAD	60.8	62.2	61.5	65.9
Progeny	#COLT	51.6	43.1	47.3	49.1
Progeny	#TURBO	73.0	69.5	71.3	68.1
Progeny	PGX 23-16 *	75.8	73.7	74.8	65.7
Progeny	#BUSTER	67.5	61.2	64.4	63.7
Stratton Seed	GoWheat 6000	66.9	71.0	68.9	61.5
Stratton Seed	GoWheat 6056	65.5	53.9	59.7	55.5
SunGrains	GA131176-24-6-7-6-8-22E8 *	71.7	74.3	73.0	65.6
SunGrains	GA141028-13-3-4-22LE25 *	66.2	72.5	69.4	65.0
SunGrains	GA18117-58NCDH-23E37F *	86.8	78.2	82.5	68.0
SunGrains	LA15203-LDH197 *	79.8	77.4	78.6	70.9
SunGrains	LA17006-LDH042 *	71.2	80.7	76.0	69.4
SunGrains	LA18003-NDH119 *	74.9	73.8	74.3	69.8
SunGrains	LA19333-NDH31 *	90.4	87.7	89.0	68.9
SunGrains	LA19333-NDH34 *	79.7	81.7	80.7	71.0
USG	3352	66.2	48.2	57.2	53.7
USG	3354	61.2	57.0	59.1	52.8
USG	3755	45.1	40.7	42.9	47.9
USG	EXP 3446 *	76.7	77.9	77.3	70.0
MEAN		68.7	63.2	66.0	62.1
CV		8.3	10.0		
LSD(0.05)		7.9	8.9		
R^2		80.5	85.2		
ERROR DF		84	84		

[1]Varieties followed by an asterisk indicates an experimental entry.

SUMMARIES OF WHEAT YIELDS

Table 5. Two-year summary of wheat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay)	Starkville (loam)	Verona (clay)	Beaumont (loam)	Stoneville (clay)	Stoneville (loam)	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
AgriMAXX	514	61.9	71.8	61.5	63.8	75.3	60.9	65.9
AgriMAXX	535	67.0	71.0	65.0	54.4	76.5	62.3	66.0
Delta Grow	1200	63.9	72.4	60.8	55.2	76.9	58.5	64.6
Delta Grow	1800	56.2	65.9	59.3	58.5	70.2	58.9	61.5
Delta Grow	1000	62.4	65.0	66.3	48.6	70.7	55.9	61.5
Progeny	#BINGO	62.9	73.4	62.2	60.0	78.8	61.5	66.5
Progeny	#CHAD	65.9	78.8	66.1	67.2	72.8	61.5	68.7
Progeny	#COLT	50.3	60.3	57.9	60.0	69.3	53.2	58.5
Progeny	#TURBO	63.8	77.5	64.3	68.7	80.0	73.2	71.2
Progeny	#BUSTER	65.6	69.2	67.0	60.6	75.7	62.7	66.8
Stratton Seed	GoWheat 6000	58.2	63.8	51.4	60.4	76.0	66.6	62.7
Stratton Seed	GoWheat 6056	53.1	68.1	61.6	60.7	76.7	58.9	63.2
SunGrains	LA15203-LDH197 *	67.6	70.2	64.9	71.1	85.4	72.3	71.9
SunGrains	LA18003-NDH119 *	70.1	67.0	66.9	61.0	78.7	70.1	69.0
SunGrains	LA19333-NDH31 *	61.9	63.0	53.2	68.4	88.7	77.0	68.7
SunGrains	LA19333-NDH34 *	64.6	69.6	59.6	72.1	82.5	70.8	69.9
USG	3352	57.0	72.9	61.2	54.1	76.4	58.7	63.4
USG	3354	61.6	68.4	56.0	53.9	73.7	60.3	62.3
OVERALL MEAN		61.9	69.4	61.4	61.0	76.9	63.5	65.7

[1]Varieties followed by an asterisk indicates an experimental entry.

SUMMARIES OF WHEAT YIELDS

Table 6. Three-year summary of wheat variety trials in Mississippi.								
Brand	**Variety**	**Brooksville (clay)**	**Starkville (loam)**	**Verona (clay)**	**Beaumont (loam)**	**Stoneville (clay)**	**Stoneville (loam)**	**Overall average**
		bu/A	**bu/A**	**bu/A**	**bu/A**	**bu/A**	**bu/A**	**bu/A**
AgriMAXX	514	67.3	69.6	64.0	57.7	78.5	64.0	66.9
AgriMAXX	535	73.3	72.3	64.6	55.6	79.3	67.7	68.8
Delta Grow	1200	69.1	71.6	57.8	54.2	81.3	63.4	66.2
Delta Grow	1800	61.0	65.4	64.4	61.2	73.0	60.8	64.3
Delta Grow	1000	68.8	68.4	65.0	53.4	78.3	61.5	65.9
Progeny	#BINGO	73.5	70.6	65.4	57.2	81.0	69.4	69.5
Progeny	#CHAD	68.8	78.5	63.7	64.7	77.8	68.8	70.4
Progeny	#COLT	56.6	65.3	60.4	56.2	76.0	59.2	62.3
Progeny	#TURBO	68.1	75.9	65.7	65.2	80.2	78.8	72.3
Progeny	#BUSTER	68.8	69.6	68.5	60.5	85.1	70.6	70.5
Stratton Seed	GoWheat 6000	61.7	62.2	57.6	58.9	80.4	72.5	65.6
Stratton Seed	GoWheat 6056	61.4	70.3	64.8	56.5	78.1	62.1	65.5
OVERALL MEAN		66.5	70.0	63.5	58.4	79.1	66.6	67.3

MAFES HORTICULTURE UNIT, BEAUMONT

Table 7. Yields of 29 wheat varieties at MAFES Beaumont Horticulture Unit (McLaurin sandy loam soil).						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
SunGrains	GA18117-58NCDH-23E37F *	64.1	-	-	30	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	62.4	-	-	33	1
SunGrains	LA19333-NDH34 *	61.3	72.1	-	39	1
SunGrains	LA19333-NDH31 *	57.1	68.4	-	31	1
SunGrains	LA15203-LDH197 *	56.2	71.1	-	32	4
SunGrains	LA17006-LDH042 *	55.7	-	-	34	1
SunGrains	GA141028-13-3-4-22LE25 *	52.2	-	-	33	1
Progeny	#CHAD	51.4	67.2	64.7	25	1
Progeny	#TURBO	50.7	68.7	65.2	38	1
USG	3755	48.0	-	-	36	1
USG	EXP 3446 *	47.8	-	-	32	1
SunGrains	LA18003-NDH119 *	47.0	61.0	-	42	1
AgriMAXX	514	45.6	63.8	57.7	29	2
AgriMAXX	516	42.5	-	-	32	1
Progeny	PGX 23-16 *	42.5	-	-	33	1
Stratton Seed	GoWheat 6000	42.3	60.4	58.9	29	1
Progeny	#COLT	40.3	60.0	56.2	30	1
Delta Grow	1800	39.2	58.5	61.2	30	1
Stratton Seed	GoWheat 6056	38.3	60.7	56.5	29	2
Progeny	#BINGO	37.8	60.0	57.2	32	1
Progeny	#BUSTER	36.3	60.6	60.5	36	1
AgriMAXX	543	35.2	-	-	30	1
Delta Grow	1200	34.7	55.2	54.2	30	2
USG	3352	34.2	54.1	-	40	1
AgriMAXX	535	33.6	54.4	55.6	31	1
Delta Grow	1000	31.1	48.6	53.4	34	2
USG	3354	30.8	53.9	-	34	2
AgriMAXX	553	28.0	-	-	34	1
AgriMAXX	EXP2410 *	26.7	-	-	36	2
MEAN		43.9				
CV						
LSD(0.05)		8.9				
R^2		66.6				
ERROR DF		56				

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 8. Yields of 29 wheat varieties at MAFES Black Belt Branch, Brooksville.

Brand	Variety[1]	2025 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
Progeny	#BUSTER	75.6	65.6	68.8	34	1
AgriMAXX	543	74.0	-	-	34	1
SunGrains	LA17006-LDH042 *	73.3	-	-	34	3
SunGrains	LA15203-LDH197 *	72.1	67.6	-	36	1
AgriMAXX	535	71.4	67.0	73.3	35	2
Delta Grow	1200	70.4	63.9	69.1	37	1
SunGrains	GA141028-13-3-4-22LE25 *	70.1	-	-	29	1
USG	EXP 3446 *	69.7	-	-	32	2
Progeny	#TURBO	69.6	63.8	68.1	35	1
SunGrains	LA18003-NDH119 *	69.4	70.1	-	35	1
SunGrains	LA19333-NDH34 *	68.7	64.6	-	32	3
AgriMAXX	553	68.6	-	-	35	1
Progeny	#CHAD	67.5	65.9	68.8	32	2
AgriMAXX	514	66.9	61.9	67.3	37	1
SunGrains	LA19333-NDH31 *	66.1	61.9	-	28	4
Stratton Seed	GoWheat 6000	65.9	58.2	61.7	33	2
AgriMAXX	516	63.3	-	-	36	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	63.2	-	-	33	1
Progeny	#BINGO	63.1	62.9	73.5	36	3
Delta Grow	1800	62.7	56.2	61.0	33	1
Delta Grow	1000	62.4	62.4	68.8	40	1
AgriMAXX	EXP2410 *	60.7	-	-	32	3
USG	3354	59.9	61.6	-	36	3
Progeny	PGX 23-16 *	59.5	-	-	35	1
Stratton Seed	GoWheat 6056	58.1	53.1	61.4	32	1
SunGrains	GA18117-58NCDH-23E37F *	57.4	-	-	36	1
USG	3352	56.0	57.0	-	38	1
Progeny	#COLT	50.5	50.3	56.6	37	2
USG	3755	45.7	-	-	33	2
MEAN		64.9				
CV		9.8				
LSD(0.05)		9.0				
R^2		61.9				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES BROWN LOAM BRANCH, RAYMOND

Table 9. Yields of 29 wheat yields at MAFES Brown Loam Branch, Raymond.						
Brand	**Variety[1]**	**2025 Yield**	**2-year[2] Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
SunGrains	LA18003-NDH119 *	91.2	-	-	43	1
SunGrains	LA17006-LDH042 *	88.0	-	-	38	1
USG	EXP 3446 *	84.5	-	-	38	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	82.7	-	-	39	1
Progeny	#CHAD	82.4	-	-	31	1
SunGrains	LA19333-NDH34 *	82.0	-	-	35	1
SunGrains	LA15203-LDH197 *	80.1	-	-	41	1
Progeny	#TURBO	80.1	-	-	42	1
SunGrains	GA18117-58NCDH-23E37F *	79.8	-	-	35	1
Delta Grow	1200	79.3	-	-	37	1
SunGrains	LA19333-NDH31 *	79.0	-	-	31	1
AgriMAXX	514	78.3	-	-	39	1
AgriMAXX	543	77.3	-	-	34	1
Progeny	#BINGO	77.1	-	-	35	1
Progeny	PGX 23-16 *	76.0	-	-	36	1
Stratton Seed	GoWheat 6000	75.5	-	-	41	2
Delta Grow	1800	75.2	-	-	36	1
Progeny	#BUSTER	74.3	-	-	36	1
SunGrains	GA141028-13-3-4-22LE25 *	73.4	-	-	36	1
AgriMAXX	535	71.0	-	-	31	1
AgriMAXX	553	63.3	-	-	36	3
Delta Grow	1000	61.4	-	-	40	2
USG	3354	56.0	-	-	36	3
AgriMAXX	EXP2410 *	55.1	-	-	34	1
AgriMAXX	516	53.5	-	-	34	1
Progeny	#COLT	50.6	-	-	35	1
Stratton Seed	GoWheat 6056	47.4	-	-	35	1
USG	3352	47.0	-	-	39	4
USG	3755	42.6	-	-	35	1
MEAN		71.2				
CV		11.7				
LSD(0.05)		11.7				
R^2		78.3				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

[2]No 2-year or 3-year average

MAFES R.R. FOIL PLANT SCIENCE RESEARCH CENTER, STARKVILLE

Table 10. Yields of 29 wheat varieties at MAFES R.R. Foil Plant Science Research Center, Starkville (Leeper silty clay soil).

Brand	Variety[1]	2025 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
Progeny	#CHAD	76.9	78.8	78.5	31	1
AgriMAXX	553	75.2	-	-	35	1
SunGrains	LA15203-LDH197 *	73.5	70.2	-	35	1
AgriMAXX	516	72.7	-	-	34	1
Progeny	PGX 23-16 *	72.6	-	-	32	1
USG	EXP 3446 *	72.1	-	-	34	1
Delta Grow	1200	70.5	72.4	71.6	34	1
Progeny	#TURBO	70.3	77.5	75.9	37	1
AgriMAXX	EXP2410 *	70.1	-	-	32	1
SunGrains	LA19333-NDH34 *	70.1	69.6	-	32	1
AgriMAXX	535	69.7	71.0	72.3	31	1
Progeny	#BINGO	69.3	73.4	70.6	37	1
Stratton Seed	GoWheat 6056	69.0	68.1	70.3	34	1
AgriMAXX	543	68.8	-	-	37	1
SunGrains	GA141028-13-3-4-22LE25 *	68.6	-	-	31	1
USG	3352	67.9	72.9	-	37	1
Progeny	#BUSTER	67.8	69.2	69.6	34	1
SunGrains	LA18003-NDH119 *	66.5	67.0	-	37	1
AgriMAXX	514	65.7	71.8	69.6	34	1
SunGrains	LA17006-LDH042 *	65.3	-	-	38	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	63.0	-	-	36	1
Delta Grow	1800	62.6	65.9	65.4	33	1
Delta Grow	1000	61.8	65.0	68.4	39	1
SunGrains	GA18117-58NCDH-23E37F *	60.9	-	-	8	1
Stratton Seed	GoWheat 6000	60.1	63.8	62.2	32	1
USG	3755	58.7	-	-	33	1
USG	3354	58.1	68.4	-	39	1
Progeny	#COLT	56.5	60.3	65.3	34	1
SunGrains	LA19333-NDH31 *	53.5	63.0	-	32	1
MEAN		66.8				
CV		9.4				
LSD(0.05)		8.8				
R^2		59.5				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES DELTA BRANCH, STONEVILLE

Table 11. Yields of 29 wheat varieties at MAFES Delta Branch, Stoneville (clay).						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
SunGrains	LA19333-NDH31 *	90.4	88.7	-	29	3
SunGrains	GA18117-58NCDH-23E37F *	86.8	-	-	33	1
SunGrains	LA15203-LDH197 *	79.8	85.4	-	34	1
SunGrains	LA19333-NDH34 *	79.7	82.5	-	35	1
USG	EXP 3446 *	76.7	-	-	35	1
AgriMAXX	543	76.1	-	-	37	1
Progeny	PGX 23-16 *	75.8	-	-	32	1
SunGrains	LA18003-NDH119 *	74.9	78.7	-	36	1
Progeny	#TURBO	73.0	80.0	80.2	37	1
AgriMAXX	535	73.0	76.5	79.3	34	2
SunGrains	GA131176-24-6-7-6-8-22E8 *	71.7	-	-	33	1
SunGrains	LA17006-LDH042 *	71.2	-	-	30	4
Progeny	#BINGO	71.0	78.8	81.0	29	2
AgriMAXX	516	69.1	-	-	28	2
Progeny	#BUSTER	67.5	75.7	85.1	35	2
Stratton Seed	GoWheat 6000	66.9	76.0	80.4	33	2
SunGrains	GA141028-13-3-4-22LE25 *	66.2	-	-	29	1
USG	3352	66.2	76.4	-	32	3
Stratton Seed	GoWheat 6056	65.5	76.7	78.1	33	1
AgriMAXX	514	65.1	75.3	78.5	35	3
AgriMAXX	553	64.2	-	-	32	2
Delta Grow	1200	62.9	76.9	81.3	32	4
USG	3354	61.2	73.7	-	35	2
AgriMAXX	EXP2410 *	61.1	-	-	335	2
Progeny	#CHAD	60.8	72.8	77.8	26	1
Delta Grow	1000	59.8	70.7	78.3	34	2
Delta Grow	1800	58.7	70.2	73.0	31	1
Progeny	#COLT	51.6	69.3	76.0	29	3
USG	3755	45.1	-	-	29	4
MEAN		68.7				
CV		8.3				
LSD(0.05)		7.9				
R^2		80.5				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES DELTA BRANCH, STONEVILLE

Table 12. Yields of 29 wheat varieties at MAFES Delta Branch Station, Stoneville (loam).						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
SunGrains	LA19333-NDH31 *	87.7	77.0	-	30	1
SunGrains	LA19333-NDH34 *	81.7	70.8	-	35	1
SunGrains	LA17006-LDH042 *	80.7	-	-	39	1
SunGrains	GA18117-58NCDH-23E37F *	78.2	-	-	32	1
USG	EXP 3446 *	77.9	-	-	35	1
SunGrains	LA15203-LDH197 *	77.4	72.3	-	37	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	74.3	-	-	33	1
SunGrains	LA18003-NDH119 *	73.8	70.1	-	37	1
Progeny	PGX 23-16 *	73.7	-	-	35	1
SunGrains	GA141028-13-3-4-22LE25 *	72.5	-	-	31	1
Stratton Seed	GoWheat 6000	71.0	66.6	72.5	30	2
Progeny	#TURBO	69.5	73.2	78.8	34	1
Progeny	#CHAD	62.2	61.5	68.8	31	1
Progeny	#BINGO	62.1	61.5	69.4	33	2
AgriMAXX	514	62.1	60.9	64.0	35	3
Progeny	#BUSTER	61.2	62.7	70.6	34	2
AgriMAXX	535	61.1	62.3	67.7	32	2
AgriMAXX	543	60.2	-	-	34	1
USG	3354	57.0	60.3	-	34	2
AgriMAXX	553	55.9	-	-	33	3
Stratton Seed	GoWheat 6056	53.9	58.9	62.1	36	2
AgriMAXX	EXP2410 *	52.3	-	-	33	2
AgriMAXX	516	52.2	-	-	37	2
Delta Grow	1200	50.5	58.5	63.4	33	3
Delta Grow	1800	49.0	58.9	60.8	31	1
USG	3352	48.2	58.7	-	32	3
Delta Grow	1000	44.0	55.9	61.5	34	3
Progeny	#COLT	43.1	53.2	59.2	35	-
USG	3755	40.7	-	-	32	3
MEAN		63.2				
CV		10.0				
LSD(0.05)		8.9				
R^2		85.2				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES NORTHEAST MS BRANCH, VERONA

Table 13. Yields of 29 wheat varieties at MAFES Northeast MS Branch, Verona.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
AgriMAXX	553	70.5	-	-	33	1
AgriMAXX	EXP2410 *	66.7	-	-	31	1
SunGrains	LA18003-NDH119 *	66.1	66.9	-	33	1
AgriMAXX	543	64.7	-	-	34	1
Progeny	#TURBO	63.7	64.3	65.7	36	1
Progeny	#BUSTER	63.5	67.0	68.5	34	1
Delta Grow	1000	62.4	66.3	65.0	39	1
USG	EXP 3446 *	61.6	-	-	29	1
Progeny	#CHAD	60.1	66.1	63.7	27	1
Progeny	PGX 23-16 *	59.5	-	-	31	1
AgriMAXX	535	59.2	65.0	64.6	36	1
SunGrains	LA15203-LDH197 *	57.0	64.9	-	31	1
USG	3352	56.4	61.2	-	34	1
Stratton Seed	GoWheat 6056	56.0	61.6	64.8	33	1
Delta Grow	1800	55.3	59.3	64.4	38	1
AgriMAXX	516	55.0	-	-	33	1
USG	3755	54.8	-	-	32	1
AgriMAXX	514	53.9	61.5	64.0	34	1
SunGrains	LA19333-NDH34 *	53.8	59.6	-	29	1
Delta Grow	1200	53.6	60.8	57.8	32	1
Progeny	#BINGO	52.8	62.2	65.4	33	1
SunGrains	GA141028-13-3-4-22LE25 *	52.0	-	-	31	1
SunGrains	LA17006-LDH042 *	51.7	-	-	33	1
Progeny	#COLT	51.0	57.9	60.4	33	1
SunGrains	GA18117-58NCDH-23E37F *	49.1	-	-	29	1
Stratton Seed	GoWheat 6000	48.9	51.4	57.6	30	1
SunGrains	LA19333-NDH31 *	48.5	53.2	-	27	2
USG	3354	46.7	56.0	-	33	1
SunGrains	GA131176-24-6-7-6-8-22E8 *	41.7	-	-	30	1
MEAN		56.4				
CV		6.9				
LSD(0.05)		5.5				
R^2		81.5				
ERROR DF		84				

[1]Varieties followed by an asterisk indicates an experimental entry.

WHEAT SEEDS PER POUND

Table 14. Average number of wheat seeds per pound.			
Brand	**Variety**	**Seed/lb**	**Fungicide and/or Insecticide**
Agri MAXX	535	11,600	Prime ST
Agri MAXX	543	15,300	Prime ST
Agri MAXX	514	12,700	Prime ST
Agri MAXX	516	12,900	Prime ST
Agri MAXX	553	14,400	Prime ST
Delta Grow	1200	12,770	Magnum
Delta Grow	1800	14,980	Magnum
Delta Grow	1000	13,700	Magnum
Sungrain	GA131176-24-6-7-6-8-22E8	12,400	Vibrance Extreme
Sungrain	GA141028-13-3-4-22LE25	13,850	Vibrance Extreme
Sungrain	GA18117-58NCDH-23E37F	13,230	Vibrance Extreme
Sungrain	LA15203-LDH197	12,325	Vibrance Cruiser Maxx
Sungrain	LA17006-LDH042	15,400	Vibrance Cruiser Maxx
Sungrain	LA18003-NDH119	12,838	Vibrance Cruiser Maxx
Sungrain	LA19333-NDH31	14,500	Vibrance Cruiser Maxx
Sungrain	LA19333-NDH34	13,495	Vibrance Cruiser Maxx
Agri MAXX	EXP2410	11,000	Prime ST
USG	3755	10,953	Rancona, Imidicloprid
USG	3352	12,021	Rancona, Imidicloprid
USG	EXP 3446	13,660	Vibrance Extreme, Cruiser 5FS, Vayantis
USG	3354	13,300	Rancona, Imidicloprid
Progeny	#TURBO	13,500	PROSERVO/W
Progeny	#BUSTER	14,750	PROSERVO/W
Progeny	#BINGO	12,765	PROSERVO/W
Progeny	#CHAD	14,650	PROSERVO/W
Progeny	#COLT (PGX 22-4)	14,960	PROSERVO/W
Progeny	PGX 23-16	11,600	PROSERVO/W
Stratton Seed	GoWheat 6056	-	Vibrance Extreme/ Nipsit
Stratton Seed	GoWheat 6000	-	Vibrance Extreme/ Nipsit

OAT SEEDS PER POUND

Table 15. Average number of oat seeds per pound (continued).			
Brand	**Variety**	**Treatment**	**Seed per lb.**
Sungrains	LA17089SBS-45-1-1 *	-	15,205
Sungrains	LA17153SBSS-46-1 *	-	16,880
Sungrains	LA7069SBSS-2-1 *	-	17,230
Stratton Seed	Hunt Savage Oat	-	-

OAT COMPANIES AND BRANDS/VARIETIES

Table 16. Companies supplying oat brands/varieties entered.			
Company	**Brand**	**Variety**	**Seed Treatment**
Sungrain	Sungrains	LA17089SBS-45-1-1 *	-
	Sungrains	LA17153SBSS-46-1 *	-
	Sungrains	LA7069SBSS-2-1 *	-
Stratton Seed	Stratton Seed	Hunt Savage Oat	-

SUMMARIES OF OAT YIELDS

Table 17a. 2024-25 yield summary of oat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay)	Starkville (loam)	Verona (clay)	North Average
		bu/A	bu/A	bu/A	bu/A
Stratton Seed	Hunt Savage Oat	32.1	42.1	31.4	35.2
Sungrains	LA7069SBSS-2-1 *	33.7	41.5	22.9	32.7
Sungrains	LA17089SBS-45-1-1 *	51.6	25.0	29.0	35.2
Sungrains	LA17153SBSS-46-1 *	35.6	30.0	26.7	30.8
MEAN		38.3	34.7	27.5	33.5
CV		26.8	17.2	25.5	
LSD(0.05)		16.5	9.6	11.2	
R^2		57.7	74.6	34.7	
ERROR DF		9	9	9	

[1]Varieties followed by an asterisk indicates an experimental entry.

Table 17b. 2024-25 yield summary of oat variety trials in Mississippi.

Brand	Variety[1]	Beaumont (loam)	Raymond (loam)	South Average	Stoneville (loam)	Delta Average	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Stratton Seed	Hunt Savage Oat	70.1	96.9	83.5	84.9	84.9	59.6
Sungrains	LA7069SBSS-2-1 *	77.8	96.2	87.0	78.0	78.0	58.4
Sungrains	LA17089SBS-45-1-1 *	90.9	70.6	80.8	77.4	77.4	57.4
Sungrains	LA17153SBSS-46-1 *	82.5	82.5	82.5	88.1	88.1	57.6
MEAN		80.3	86.6	83.5	82.1	82.1	58.2
CV		14.8	16.9		27.0		
LSD(0.05)		19.1	23.4		35.4		
R^2		45.6	67.9		28.6		
ERROR DF		9	9		9		

[1]Varieties followed by an asterisk indicates an experimental entry.

Table 18. Two-year summary of oat variety trials in Mississippi.

Brand	Variety[1]	Beaumont (loam)	Brooksville (clay)	Starkville (loam)	Stoneville (loam)	Verona (clay)	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Stratton Seed	Hunt Savage Oat	96.5	64.2	72.2	80.8	102.6	83.3
Sungrains	LA7069SBSS-2-1 *	78.8	62.0	73.6	75.9	78.3	73.7
OVERALL MEAN		87.6	63.1	72.9	78.4	90.5	78.5

[1]Varieties followed by an asterisk indicates an experimental entry.

MAFES HORTICULTURE UNIT, BEAUMONT

Table 19. Yields of 4 oat varieties at MAFES Horticultural Unit, Beaumont.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Sungrains	LA17089SBS-45-1-1 *	90.9	-	-	47	5
Sungrains	LA17153SBSS-46-1 *	82.5	-	-	56	3
Sungrains	LA7069SBSS-2-1 *	77.8	78.8	-	53	1
Stratton Seed	Hunt Savage Oat	70.1	96.5	-	51	4
MEAN		80.3				
CV		14.8				
LSD(0.05)		19.1				
R^2		45.6				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 20. Yields of 4 oat varieties at MAFES Black Belt Branch, Brooksville.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Sungrains	LA17089SBS-45-1-1 *	51.6	-	-	42	5
Sungrains	LA17153SBSS-46-1 *	35.6	-	-	40	4
Sungrains	LA7069SBSS-2-1 *	33.7	62.0	-	44	5
Stratton Seed	Hunt Savage Oat	32.1	64.2	-	41	5
MEAN		38.3				
CV		26.8				
LSD(0.05)		16.5				
R^2		57.7				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MAFES BROWN LOAM BRANCH, RAYMOND

Table 21. Yields of 4 oat varieties at MAFES Brown Loam Branch, Raymond.						
Brand	**Variety[1]**	**2025 Yield**	**2-year[2] Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Stratton Seed	Hunt Savage Oat	96.9	-	-	54	2
Sungrains	LA7069SBSS-2-1 *	96.2	-	-	54	1
Sungrains	LA17153SBSS-46-1 *	82.5	-	-	53	2
Sungrains	LA17089SBS-45-1-1 *	70.6	-	-	51	1
MEAN		86.6				
CV		16.9				
LSD(0.05)		23.4				
R^2		67.9				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MAFES R.R. FOIL PLANT SCIENCE RESEARCH CENTER, STARKVILLE

Table 22. Yields of 4 oat varieties at MAFES R.R. Foil Plant Science Research Center, Starkville.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Stratton Seed	Hunt Savage Oat	42.1	72.2	-	49	1
Sungrains	LA7069SBSS-2-1 *	41.5	73.6	-	45	1
Sungrains	LA17153SBSS-46-1 *	30.0	-	-	43	1
Sungrains	LA17089SBS-45-1-1 *	25.0	-	-	48	1
MEAN		34.7				
CV		17.2				
LSD(0.05)		9.6				
R^2		74.6				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MAFES DELTA BRANCH STATION, STONEVILLE

Table 23. Yields of 4 oat varieties at MAFES Delta Branch Station, Stoneville.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Stratton Seed	Hunt Savage Oat	88.1	-	-	49	2
Sungrains	LA17089SBS-45-1-1 *	84.9	80.8	-	46	1
Sungrains	LA17153SBSS-46-1 *	78.0	75.9	-	49	1
Sungrains	LA7069SBSS-2-1 *	77.4	-	-	46	2
MEAN		82.1				
CV		27.0				
LSD(0.05)		35.4				
R^2		28.6				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MAFES NORTHEAST MS BRANCH, VERONA

Table 24. Yields of 4 oat varieties at MAFES Northeast MS Branch, Verona.						
Brand	**Variety[1]**	**2025 Yield**	**2-year Average**	**3-year[2] Average**	**Plant Height**	**Lodging Score**
		bu/A	**bu/A**	**bu/A**	**in.**	**(1-5)**
Stratton Seed	Hunt Savage Oat	31.4	102.6	-	47	3
Sungrains	LA17089SBS-45-1-1 *	29.0	-	-	47	1
Sungrains	LA17153SBSS-46-1 *	26.7	-	-	42	1
Sungrains	LA7069SBSS-2-1 *	22.9	78.3	-	43	1
MEAN		27.5				
CV		25.5				
LSD(0.05)		11.2				
R^2		34.7				
ERROR DF		9				
[1]Varieties followed by an asterisk indicates an experimental entry.						
[2]No 3-year average.						

MISSISSIPPI STATE UNIVERSITY™

MS AGRICULTURAL AND FORESTRY EXPERIMENT STATION

The mission of the Mississippi Agricultural and Forestry Experiment Station and the College of Agriculture and Life sciences is to advance agriculture and natural resources through teaching and learning, research and discovery, service and engagement which will enhance economic prosperity and environmental stewardship, to build stronger communities and improve the health and well-being of families, and to serve people of the state, the region and the world.

Scott Willard, Director mafes.msstate.edu