MISSISSIPPI WHEAT AND OAT

VARIETY TRIALS, 2026

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MISSISSIPPI'S OFFICIAL VARIETY TRIALS

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Mississippi Wheat and Oat Variety Trials, 2026

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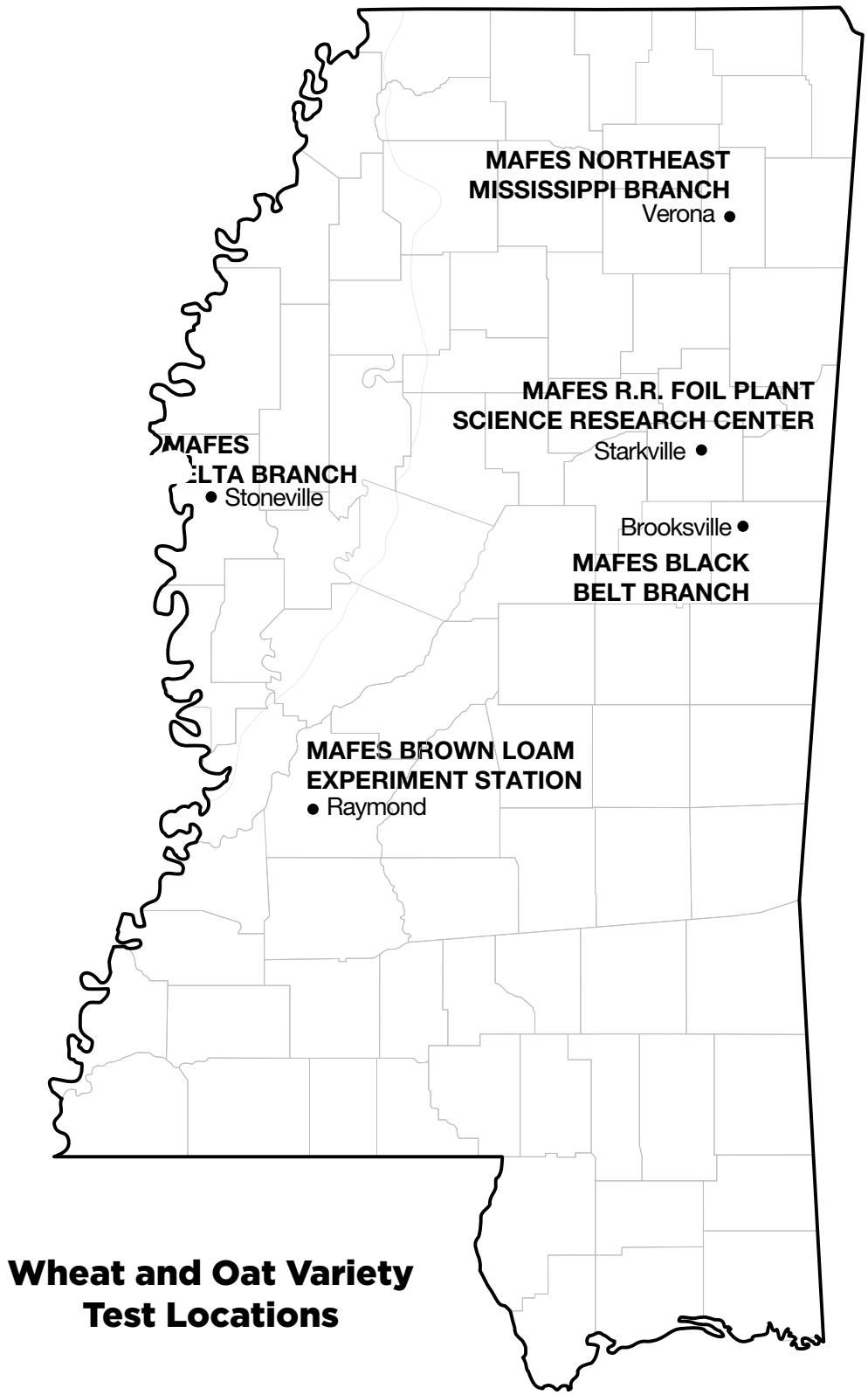
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Find variety trial information online at **mafes.msstate.edu/variety-trials.**



Wheat and Oat Variety Test Locations

Mississippi Wheat and Oat Variety Trials, 2026

INTRODUCTION

Small grains are grown throughout Mississippi. Wheat is the primary crop, followed by oats. Wheat and oat variety trials were conducted at five locations in Mississippi in 2025-2026. 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:

MSU Extension Service Information Sheet 1763:
https://extension.msstate.edu/sites/default/files/publications/information-sheets/is1763.pdf

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 of 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 of 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 the CV for comparison of different trials.

Table 1. 2025-26 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
Brooksville	Brooksville silty clay	11/12/25	6/11/26	6.4	P-M, K-M	Topdress-13-13-13 @ 190 lbs/A on Feb. 13; N @ 101 lbs/A (33-0-0-12S) on March 23.
Raymond	Memphis silt loam	11/13/25	6/3/26	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	11/12/25	6/5/26	6.4	P-H, K-M	Topdress-13-13-13 @ 190 lbs/A on Feb. 13; N @ 101 lbs/A (33-0-0-12S) on March 19.
Stoneville (clay)	Commerce silty clay loam and Tunica clay	11/11/25	6/2/26	6.8	P-M, K-M	Preplant- 19-19-19 @ 250 lbs/A Topdress- N @ 31 lbs/A (21-0-0-24S) on Feb. 13; N @ 115 lbs/A (Urea) on March 5.
Stoneville (loam)	Bosket very fine sandy loam	11/11/25	6/2/26	6.5	P-M, K-M	Preplant- 19-19-19 @ 250 lbs/A Topdress- N @ 31 lbs/A (21-0-0-24S) on Feb. 13; N @ 115 lbs/A (Urea) on March 5.
Verona	Leeper silty clay	11/10/25	6/4/26	6.5	P-M, K-M	Topdress-13-13-13 @ 190 lbs/A on Feb. 13; N @ 101 lbs/A (33-0-0-12S) on March 19.



Table 2. Companies supplying wheat brands/varieties entered.		
Company	**Variety**	
AgriMAXX Wheat Company 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX AgriMAXX AgriMAXX AgriMAXX AgriMAXX	543 553 564 575 EXP 2605 *
Delta Grow Seed P.O. Box 219 England, AR 72406	Delta Grow	1200
Progeny Ag Products 1529 Hwy 193 South Wynne, AR 72396	Progeny Progeny Progeny Progeny Progeny Progeny	#BINGO #BUSTER #COLT #Turbo PGX 23-16 * PGX 24-1 *
UniSouth Genetics, Inc. 3205 C Hwy 46 S Dickson, TN 37055	USG USG USG USG USG	3437 3246 3755 3777 3884
SunGrains	Sungrain SunGrains LSU SunGrains LSU SunGrains LSU SunGrains LSU SunGrains TX A&M SunGrains TX A&M SunGrains TX A&M SunGrains UGA SunGrains UGA SunGrains UGA SunGrains UGA	GA18117-58NCDH-23E37F * LA15093SB-30-3-3 * LA16049C-27-3-3-2 * LAAE15172W-42-1-3-1-3 * LAVT19VDH-FHB-MAS11-10 * TX20D5116 * TX20D5145 * TX21D6180 * GA161058-13-4-6-23E14 * GA161243-15-5-8-23E47 * GA16388-8-3-7-23LE6 * GA170341D-22-3-5-23LE29 *
KWS Cereals	KWS Cereals KWS Cereals KWS Cereals	KWS591 KWS620 KWS671

SUMMARIES OF WHEAT YIELDS

Table 3. 2025-26 yield summary of wheat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay) North	Starkville (loam) North	Verona (clay) North	North Average	Raymond (loam) South	Stoneville (clay) Delta	Stoneville (loam) Delta	Delta Average	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
AgriMAXX	543	62.9	60.7	60.9	61.5	68.0	64.1	60.2	62.1	62.8
AgriMAXX	553	55.1	63.9	68.5	62.5	39.3	62.9	51.2	57.1	56.8
AgriMAXX	564	64.6	64.8	64.1	64.5	72.7	85.2	92.1	88.6	73.9
AgriMAXX	575	53.4	55.9	50.4	53.2	74.1	77.5	77.9	77.7	64.9
AgriMAXX	EXP 2605*	51.5	72.9	69.5	64.6	25.0	55.5	41.8	48.7	52.7
Delta Grow	1200	18.2	37.8	41.2	32.4	34.6	39.1	30.8	35.0	33.6
KWS Cereals	KWS591	51.6	48.4	56.6	52.2	31.9	61.2	50.6	55.9	50.0
KWS Cereals	KWS620	59.7	43.8	47.9	50.5	72.8	78.5	80.9	79.7	63.9
KWS Cereals	KWS671	55.0	54.5	55.2	54.9	39.7	66.0	50.9	58.5	53.5
Progeny	#BINGO	58.4	66.0	62.5	62.3	54.2	72.8	63.1	67.9	62.8
Progeny	#BUSTER	57.1	62.3	68.3	62.5	52.8	72.9	67.1	70.0	63.4
Progeny	#COLT	35.9	56.8	66.9	53.2	27.0	69.2	56.1	62.7	52.0
Progeny	#Turbo	52.1	50.3	57.8	53.4	61.5	54.8	64.1	59.5	56.8
Progeny	PGX 23-16*	56.1	53.4	58.4	56.0	50.0	67.8	60.3	64.0	57.7
Progeny	PGX 24-1*	59.0	63.8	63.6	62.1	75.3	80.9	85.0	82.9	71.2
Sungrain	GA18117-58NCDH-23E37F*	50.4	54.5	52.1	52.3	34.8	66.6	73.4	70.0	55.3
SunGrains LSU	LA15093SB-30-3-3*	51.6	49.6	56.4	52.5	41.5	83.1	94.6	88.8	62.8
SunGrains LSU	LA16049C-27-3-3-2*	45.7	40.0	39.4	41.7	35.4	29.9	58.2	44.1	41.4
SunGrains LSU	LAAE15172W-42-1-3-1-3*	45.2	39.6	34.5	39.8	51.3	43.1	66.3	54.7	46.7
SunGrains LSU	LAVT19VDH-FHB-MAS11-10*	33.2	43.4	44.0	40.2	22.6	46.2	57.4	51.8	41.1
SunGrains TX A&M	TX20D5116*	54.8	35.6	43.3	44.6	31.7	50.7	57.7	54.2	45.6
SunGrains TX A&M	TX20D5145*	58.2	57.4	50.0	55.2	61.2	72.2	78.9	75.5	63.0
SunGrains TX A&M	TX21D6180*	39.6	33.2	40.3	37.7	50.3	56.2	77.1	66.6	49.5
SunGrains UGA	GA161058-13-4-6-23E14*	57.1	52.0	52.0	53.7	75.2	77.1	70.0	73.5	63.9
SunGrains UGA	GA161243-15-5-8-23E47*	55.6	52.9	53.6	54.0	54.6	77.6	90.0	83.8	64.1
SunGrains UGA	GA16388-8-3-7-23LE6*	56.0	67.1	65.1	62.8	68.8	69.2	70.6	69.9	66.1
SunGrains UGA	GA170341D-22-3-5-23LE29*	46.4	60.5	52.4	53.1	80.9	78.2	83.4	80.8	67.0
USG	3437	51.2	38.1	40.9	43.4	69.7	66.5	82.1	74.3	58.1
USG	3246	50.3	38.4	43.0	43.9	67.6	74.4	72.0	73.2	57.6
USG	3755	59.3	54.6	60.1	58.0	38.8	50.6	39.3	44.9	50.5
USG	3777	56.5	59.9	67.3	61.2	42.6	66.4	51.2	58.8	57.3
USG	3884	55.2	66.4	59.5	60.4	36.6	69.1	50.2	59.7	56.2
MEAN		51.8	53.1	54.6	53.1	51.3	65.2	65.8	65.6	56.8
CV		14.8	14.3	8.7	-	12.8	10.1	8.8	-	-
LSD(0.05)		10.8	10.6	6.7	-	9.2	9.2	8.1	-	-
R^2		71	73	86	-	90	86	91	-	-
ERROR DF		93	93	93	-	93	93	93	-	-

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

SUMMARIES OF WHEAT YIELDS

Table 4. Two-year summary of wheat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay)	Starkville (loam)	Verona (clay)	Raymond (loam)	Stoneville (clay)	Stoneville (loam)	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
AgriMAXX	543	68.4	64.8	62.8	72.6	70.1	60.2	66.5
AgriMAXX	553	61.9	69.5	69.5	51.3	63.5	53.5	61.5
Delta Grow	1200	44.3	54.2	47.4	57.0	51.0	40.6	49.1
Progeny	#BINGO	60.8	67.6	57.6	65.6	71.9	62.6	64.4
Progeny	#BUSTER	66.4	65.0	65.9	63.5	70.2	64.2	65.9
Progeny	#COLT	43.2	56.7	59.0	38.8	60.4	49.6	51.3
Progeny	#TURBO	60.9	60.3	60.7	70.8	63.9	66.8	63.9
Progeny	PGX 23-16 *	57.8	63.0	58.9	63.0	71.8	67.0	63.6
SunGrains UGA	GA18117-58NC-DH-23E37F *	53.9	57.7	50.6	57.3	76.7	75.8	62.0
USG	3755	52.5	56.7	57.4	40.7	47.8	40.0	49.2
OVERALL MEAN		57.0	61.5	59.0	58.1	64.7	58.0	59.7

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

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

Brand	Variety	Brooksville (clay)	Starkville (loam)	Verona (clay)	Stoneville (clay)	Stoneville (loam)	Overall average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
Delta Grow	1200	48.7	60.9	54.3	64.3	49.3	55.5
Progeny	#BINGO	61.4	70.9	62.3	76.8	62.0	66.7
Progeny	#BUSTER	62.8	66.9	67.4	74.8	64.2	67.2
Progeny	#COLT	45.5	59.1	60.9	69.3	54.2	57.8
Progeny	#TURBO	59.9	68.4	62.2	71.6	70.2	66.4
OVERALL MEAN		66.5	70.0	63.5	79.1	66.6	67.3

SUMMARIES OF WHEAT YIELDS

Table 6. Yields of 32 wheat varieties at MAFES Black Belt Branch, Brooksville.

Brand	Variety[1]	2026 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
AgriMAXX	564	64.6	-	-	33	1
AgriMAXX	543	62.9	68.4	-	34	1
KWS Cereals	KWS620	59.7	-	-	30	1
USG	3755	59.3	52.5	-	29	1
Progeny	PGX 24-1 *	59.0	-	-	30	1
Progeny	#BINGO	58.4	60.8	61.4	27	1
SunGrains TX A&M	TX20D5145 *	58.2	-	-	31	1
SunGrains UGA	GA161058-13-4-6-23E14 *	57.1	-	-	33	1
Progeny	#BUSTER	57.1	66.4	62.8	28	1
USG	3777	56.5	-	-	31	1
Progeny	PGX 23-16 *	56.1	57.8	-	30	1
SunGrains UGA	GA16388-8-3-7-23LE6 *	56.0	-	-	34	1
SunGrains UGA	GA161243-15-5-8-23E47 *	55.6	-	-	35	1
USG	3884	55.2	-	-	33	1
AgriMAXX	553	55.1	61.9	-	31	1
KWS Cereals	KWS671	55.0	-	-	34	1
SunGrains TX A&M	TX20D5116 *	54.8	-	-	33	1
AgriMAXX	575	53.4	-	-	31	1
Progeny	#TURBO	52.1	60.9	59.9	31	1
KWS Cereals	KWS591	51.6	-	-	32	1
SunGrains LSU	LA15093SB-30-3-3 *	51.6	-	-	28	1
AgriMAXX	EXP 2605 *	51.5	-	-	32	1
USG	3437	51.2	-	-	29	1
SunGrains UGA	GA18117-58NCDH-23E37F *	50.4	53.9	-	28	1
USG	3246	50.3	-	-	32	1
SunGrains UGA	GA170341D-22-3-5-23LE29 *	46.4	-	-	31	1
SunGrains LSU	LA16049C-27-3-3-2 *	45.7	-	-	26	1
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	45.2	-	-	32	1
SunGrains TX A&M	TX21D6180 *	39.6	-	-	30	1
Progeny	#COLT	35.9	43.2	45.5	29	1
SUNGRAINS LSU	LAVT19VDH-FHB-MAS11-10 *	33.2	-	-	30	1
Delta Grow	1200	18.2	44.3	48.7	32	1
MEAN		51.8				
CV		14.8				
LSD(0.05)		10.8				
R^2		71				
ERROR DF		93				

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

MAFES BROWN LOAM BRANCH, RAYMOND

Table 7. Yields of 32 wheat varieties at MAFES Brown Loam Branch, Raymond.

Brand	Variety[1]	2026 Yield	2-year Average	3-year[2] Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
SunGrains UGA	GA170341D-22-3-5-23LE29 *	80.9	-	-	35	1
Progeny	PGX 24-1 *	75.3	-	-	38	2
SunGrains UGA	GA161058-13-4-6-23E14 *	75.2	-	-	38	1
AgriMAXX	575	74.1	-	-	31	1
KWS Cereals	KWS620	72.8	-	-	34	2
AgriMAXX	564	72.7	-	-	35	4
USG	3437	69.7	-	-	34	1
SunGrains UGA	GA16388-8-3-7-23LE6 *	68.8	-	-	36	1
AgriMAXX	543	68.0	72.6	-	33	2
USG	3246	67.6	-	-	32	4
Progeny	#TURBO	61.5	70.8	-	37	4
SunGrains TX A&M	TX20D5145 *	61.2	-	-	35	1
SunGrains UGA	GA161243-15-5-8-23E47 *	54.6	-	-	33	1
Progeny	#BINGO	54.2	65.6	-	33	5
Progeny	#BUSTER	52.8	63.5	-	33	4
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	51.3	-	-	35	1
SunGrains TX A&M	TX21D6180 *	50.3	-	-	35	4
Progeny	PGX 23-16 *	50.0	63.0	-	33	5
USG	3777	42.6	-	-	34	5
SunGrains LSU	LA15093SB-30-3-3 *	41.5	-	-	36	2
KWS Cereals	KWS671	39.7	-	-	38	5
AgriMAXX	553	39.3	51.3	-	33	1
USG	3755	38.8	40.7	-	33	4
USG	3884	36.6	-	-	32	2
SunGrains LSU	LA16049C-27-3-3-2 *	35.4	-	-	31	1
SunGrains UGA	GA18117-58NCDH-23E37F *	34.8	57.3	-	30	2
Delta Grow	1200	34.6	57.0	-	34	3
KWS Cereals	KWS591	31.9	-	-	32	5
SunGrains TX A&M	TX20D5116 *	31.7	-	-	33	1
Progeny	#COLT	27.0	38.8	-	36	5
AgriMAXX	EXP 2605 *	25.0	-	-	33	5
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	22.6	-	-	34	2
MEAN		51.3				
CV		12.8				
LSD(0.05)		9.2				
R^2		90				
ERROR DF		93				

[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 8. Yields of 32 wheat varieties at MAFES R.R. Foil Plant Science Research Center, Starkville.

Brand	Variety[1]	2026 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
AgriMAXX	EXP 2605 *	72.9	-	-	32	1
SunGrains UGA	GA16388-8-3-7-23LE6 *	67.1	-	-	33	1
USG	3884	66.4	-	-	29	1
Progeny	#BINGO	66.0	67.6	70.9	29	1
AgriMAXX	564	64.8	-	-	34	1
AgriMAXX	553	63.9	69.5	-	29	1
Progeny	PGX 24-1 *	63.8	-	-	33	1
Progeny	#BUSTER	62.3	65.0	66.9	27	1
AgriMAXX	543	60.7	64.8	-	24	1
SunGrains UGA	GA170341D-22-3-5-23LE29 *	60.5	-	-	24	1
USG	3777	59.9	-	-	28	1
SunGrains TX A&M	TX20D5145 *	57.4	-	-	26	1
Progeny	#COLT	56.8	56.7	59.1	26	1
AgriMAXX	575	55.9	-	-	26	1
USG	3755	54.6	56.7	-	30	1
SunGrains UGA	GA18117-58NCDH-23E37F *	54.5	57.7	-	26	1
KWS Cereals	KWS671	54.5	-	-	27	1
Progeny	PGX 23-16 *	53.4	63.0	-	30	1
SunGrains UGA	GA161243-15-5-8-23E47 *	52.9	-	-	32	1
SunGrains UGA	GA161058-13-4-6-23E14 *	52.0	-	-	30	1
Progeny	#TURBO	50.3	60.3	68.4	29	1
SunGrains LSU	LA15093SB-30-3-3 *	49.6	-	-	29	1
KWS Cereals	KWS591	48.4	-	-	24	1
KWS Cereals	KWS620	43.8	-	-	27	1
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	43.4	-	-	25	1
SunGrains LSU	LA16049C-27-3-3-2 *	40.0	-	-	22	1
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	39.6	-	-	26	1
USG	3246	38.4	-	-	32	1
USG	3437	38.1	-	-	25	1
Delta Grow	1200	37.8	54.2	60.9	28	1
SunGrains TX A&M	TX20D5116 *	35.6	-	-	29	1
SunGrains TX A&M	TX21D6180 *	33.2	-	-	29	1
MEAN		53.1				
CV		14.3				
LSD(0.05)		10.6				
R^2		73				
ERROR DF		93				

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

MAFES DELTA BRANCH, STONEVILLE

Table 9. Yields of 32 wheat varieties at MAFES Delta Branch, Stoneville (clay).

Brand	Variety[1]	2026 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
AgriMAXX	564	85.2	-	-	28	1
SunGrains LSU	LA15093SB-30-3-3 *	83.1	-	-	27	1
Progeny	PGX 24-1 *	80.9	-	-	31	1
KWS Cereals	KWS620	78.5	-	-	28	1
SunGrains UGA	GA170341D-22-3-5-23LE29 *	78.2	-	-	27	1
SunGrains UGA	GA161243-15-5-8-23E47 *	77.6	-	-	28	1
AgriMAXX	575	77.5	-	-	30	1
SunGrains UGA	GA161058-13-4-6-23E14 *	77.1	-	-	28	1
USG	3246	74.4	-	-	31	1
Progeny	#BUSTER	72.9	70.2	74.8	27	1
Progeny	#BINGO	72.8	71.9	76.8	32	1
SunGrains TX A&M	TX20D5145 *	72.2	-	-	35	1
Progeny	#COLT	69.2	60.4	69.3	28	1
SunGrains UGA	GA16388-8-3-7-23LE6 *	69.2	-	-	29	1
USG	3884	69.1	-	-	28	1
Progeny	PGX 23-16 *	67.8	71.8	-	30	1
SunGrains UGA	GA18117-58NCDH-23E37F *	66.6	76.7	-	27	1
USG	3437	66.5	-	-	26	1
USG	3777	66.4	-	-	29	1
KWS Cereals	KWS671	66.0	-	-	33	1
AgriMAXX	543	64.1	70.1	-	30	1
AgriMAXX	553	62.9	63.5	-	29	1
KWS Cereals	KWS591	61.2	-	-	33	1
SunGrains TX A&M	TX21D6180 *	56.2	-	-	32	1
AgriMAXX	EXP 2605 *	55.5	-	-	30	1
Progeny	#TURBO	54.8	63.9	71.6	31	1
SunGrains TX A&M	TX20D5116 *	50.7	-	-	26	1
USG	3755	50.6	47.8	-	31	1
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	46.2	-	-	30	1
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	43.1	-	-	32	1
Delta Grow	1200	39.1	51.0	64.3	30	1
SunGrains LSU	LA16049C-27-3-3-2 *	29.9	-	-	29	1
MEAN		65.2				
CV		10.1				
LSD(0.05)		9.2				
R^2		86				
ERROR DF		93				

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

MAFES DELTA BRANCH, STONEVILLE

Table 10. Yields of 32 wheat varieties at MAFES Delta Branch Station, Stoneville (loam).

Brand	Variety[1]	2026 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
SunGrains LSU	LA15093SB-30-3-3 *	94.6	-	-	25	1
AgriMAXX	564	92.1	-	-	29	1
SunGrains UGA	GA161243-15-5-8-23E47 *	90.0	-	-	32	1
Progeny	PGX 24-1 *	85.0	-	-	30	1
SunGrains UGA	GA170341D-22-3-5-23LE29 *	83.4	-	-	28	1
USG	3437	82.1	-	-	26	1
KWS Cereals	KWS620	80.9	-	-	24	1
SunGrains TX A&M	TX20D5145 *	78.9	-	-	25	1
AgriMAXX	575	77.9	-	-	34	1
SunGrains TX A&M	TX21D6180 *	77.1	-	-	29	1
SunGrains UGA	GA18117-58NCDH-23E37F *	73.4	75.8	-	24	1
USG	3246	72.0	-	-	29	1
SunGrains UGA	GA16388-8-3-7-23LE6 *	70.6	-	-	33	1
SunGrains UGA	GA161058-13-4-6-23E14 *	70.0	-	-	30	1
Progeny	#BUSTER	67.1	64.2	64.2	29	1
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	66.3	-	-	22	1
Progeny	#TURBO	64.1	66.8	70.2	32	1
Progeny	#BINGO	63.1	62.6	62.0	27	1
Progeny	PGX 23-16 *	60.3	67.0	-	26	1
AgriMAXX	543	60.2	60.2	-	32	1
SunGrains LSU	LA16049C-27-3-3-2 *	58.2	-	-	29	1
SunGrains TX A&M	TX20D5116 *	57.7	-	-	26	1
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	57.4	-	-	26	1
Progeny	#COLT	56.1	49.6	54.2	29	1
AgriMAXX	553	51.2	53.5	-	24	1
USG	3777	51.2	-	-	28	1
KWS Cereals	KWS671	50.9	-	-	27	1
KWS Cereals	KWS591	50.6	-	-	33	1
USG	3884	50.2	-	-	30	1
AgriMAXX	EXP 2605 *	41.8	-	-	26	1
USG	3755	39.3	40.0	-	28	1
Delta Grow	1200	30.8	40.6	49.3	29	1
MEAN		65.8				
CV		8.8				
LSD(0.05)		8.1				
R^2		91				
ERROR DF		93				

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

MAFES NORTHEAST BRANCH, VERONA

Table 11. Yields of 32 wheat varieties at MAFES Northeast MS Branch, Verona.

Brand	Variety[1]	2026 Yield	2-year Average	3-year Average	Plant Height	Lodging Score
		bu/A	bu/A	bu/A	in.	(1-5)
AgriMAXX	EXP 2605 *	69.5	-	-	27	1
AgriMAXX	553	68.5	69.5	-	29	1
Progeny	#BUSTER	68.3	65.9	67.4	29	1
USG	3777	67.3	-	-	29	1
Progeny	#COLT	66.9	59.0	60.9	30	2
SunGrains UGA	GA16388-8-3-7-23LE6 *	65.1	-	-	27	1
AgriMAXX	564	64.1	-	-	31	1
Progeny	PGX 24-1 *	63.6	-	-	32	1
Progeny	#BINGO	62.5	57.6	62.3	26	1
AgriMAXX	543	60.9	62.8	-	30	1
USG	3755	60.1	57.4	-	29	1
USG	3884	59.5	-	-	27	1
Progeny	PGX 23-16 *	58.4	58.9	-	26	1
Progeny	#TURBO	57.8	60.7	62.2	29	2
KWS Cereals	KWS591	56.6	-	-	29	2
SunGrains LSU	LA15093SB-30-3-3 *	56.4	-	-	29	1
KWS Cereals	KWS671	55.2	-	-	27	1
SunGrains UGA	GA161243-15-5-8-23E47 *	53.6	-	-	29	1
SunGrains UGA	GA170341D-22-3-5-23LE29 *	52.4	-	-	24	1
SunGrains UGA	GA18117-58NCDH-23E37F *	52.1	50.6	-	24	1
SunGrains UGA	GA161058-13-4-6-23E14 *	52.0	-	-	30	1
AgriMAXX	575	50.4	-	-	25	1
SunGrains TX A&M	TX20D5145 *	50.0	-	-	32	1
KWS Cereals	KWS620	47.9	-	-	23	1
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	44.0	-	-	23	1
SunGrains TX A&M	TX20D5116 *	43.3	-	-	26	2
USG	3246	43.0	-	-	23	1
Delta Grow	1200	41.2	47.4	54.3	32	1
USG	3437	40.9	-	-	26	1
SunGrains TX A&M	TX21D6180 *	40.3	-	-	31	1
SunGrains LSU	LA16049C-27-3-3-2 *	39.4	-	-	26	1
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	34.5	-	-	24	1
MEAN		54.6				
CV		8.7				
LSD(0.05)		6.7				
R^2		86				
ERROR DF		93				

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

WHEAT VARIETY TEST WEIGHT SUMMARY

Table 12. 2025-26 summary of test weight of wheat variety trials in Mississippi

Brand	Variety[1]	Brooksville (clay) North	Starkville (loam) North	Verona (clay) North	North Average	Raymond (loam) South	Stoneville (clay) Delta	Stoneville (loam) Delta	Delta Average	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
AgriMAXX	543	53.2	51.5	53.3	52.7	45.5	50.5	48.4	49.5	50.6
AgriMAXX	553	54.0	53.8	56.0	54.6	44.5	49.4	48.5	48.9	51.2
AgriMAXX	564	55.8	54.2	55.5	55.2	54.4	56.0	56.9	56.4	55.5
AgriMAXX	575	53.4	50.1	51.3	51.6	51.4	52.8	53.7	53.2	52.1
AgriMAXX	EXP 2605 *	53.8	53.9	57.0	54.9	50.2	49.4	48.6	49.0	52.1
Delta Grow	1200	50.1	49.6	51.6	50.4	45.6	51.0	50.0	50.5	49.8
KWS Cereals	KWS591	51.1	49.9	50.3	50.4	49.9	49.0	46.2	47.6	49.3
KWS Cereals	KWS620	55.1	52.1	53.6	53.6	55.3	55.5	56.7	56.1	54.8
KWS Cereals	KWS671	53.7	50.3	53.9	52.6	39.6	49.3	45.2	47.2	49.0
Progeny	#BINGO	53.2	52.4	54.2	53.2	43.4	51.9	50.9	51.4	51.3
Progeny	#BUSTER	55.1	53.6	55.8	54.8	50.2	54.3	53.3	53.8	53.9
Progeny	#COLT	50.2	52.4	55.9	52.8	44.6	52.1	50.7	51.4	51.3
Progeny	#Turbo	53.2	51.7	54.2	53.0	49.6	50.5	52.3	51.4	52.0
Progeny	PGX 23-16 *	53.4	51.1	52.7	52.4	42.1	50.0	48.5	49.2	49.9
Progeny	PGX 24-1 *	55.0	54.6	55.1	54.9	54.0	55.6	56.4	56.0	55.2
SunGrains LSU	LA15093SB-30-3-3 *	52.6	49.8	53.7	52.0	51.8	54.1	56.8	55.5	53.3
SunGrains LSU	LA16049C-27-3-3-2 *	53.1	50.7	51.9	51.9	53.1	52.8	55.1	54.0	52.8
SunGrains LSU	LAAE15172W-42-1-3-1-3 *	55.3	52.5	50.7	52.8	54.8	55.4	57.3	56.3	54.4
SunGrains LSU	LAVT19VDH-FHB-MAS11-10 *	52.4	51.4	53.7	52.5	49.7	27.1	55.8	41.4	48.0
SunGrains TX A&M	TX20D5116 *	53.9	50.3	51.4	51.8	50.0	52.6	53.7	53.1	52.1
SunGrains TX A&M	TX20D5145 *	54.4	51.2	53.2	52.9	53.0	51.6	51.7	51.6	52.4
SunGrains TX A&M	TX21D6180 *	53.5	49.5	53.4	52.2	56.1	55.5	56.5	56.0	54.1
SunGrains UGA	GA161058-13-4-6-23E14 *	54.5	52.0	53.6	53.3	55.2	52.1	53.8	52.9	53.4
SunGrains UGA	GA161243-15-5-8-23E47 *	54.6	51.5	53.5	53.2	55.2	55.0	56.3	55.7	54.4
SunGrains UGA	GA16388-8-3-7-23LE6 *	55.8	56.3	57.2	56.4	56.3	56.5	57.4	57.0	56.6
SunGrains UGA	GA170341D-22-3-5-23LE29 *	54.1	54.1	55.6	54.6	55.6	54.9	55.8	55.4	55.0
SunGrains UGA	GA18117-58NCDH-23E37F *	53.9	51.9	54.1	53.3	52.9	54.9	55.3	55.1	53.9
USG	3437	53.7	48.6	52.5	51.6	54.4	53.8	55.6	54.7	53.1
USG	3246	56.0	51.6	51.0	52.8	50.5	54.8	54.6	54.7	53.3
USG	3755	50.7	48.4	50.6	49.9	40.5	46.9	47.0	46.9	47.6
USG	3777	52.6	51.0	54.5	52.7	38.6	50.2	47.0	48.6	49.4
USG	3884	52.8	51.4	53.5	52.6	39.7	47.8	43.3	45.5	48.3
MEAN		53.6	51.6	53.6	52.9	49.6	51.7	52.5	52.1	52.2

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

OAT COMPANY BRANDS/VARIETIES

Table 13. Companies supplying oat brands/varieties entered.

Company	Brand	Variety	Seed Treatment
Sungrain	SunGrains	LA20050SBSB-1-1*	-
	SunGrains	LA17089SBS-45-1-1*	-
	SunGrains	LA17153SBSS-46-1*	-
	SunGrains	LA20053SBSB-27-2*	-
	SunGrains	LA18034SSB-7-1*	-

SUMMARIES OF OAT YIELDS

Table 14. 2025-26 yield summary of oat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay) North	Starkville (loam) North	Verona (clay) North	Hill Average	Stoneville (loam) Delta	Delta Average	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
SunGrains	LA20050SBSB-1-1*	54.4	39.8	89.4	61.2	95.1	95.1	69.7
SunGrains	LA17089SBS-45-1-1*	72.1	41.3	115.9	76.4	108.6	108.6	84.4
SunGrains	LA17153SBSS-46-1*	90.0	63.7	127.2	93.6	113.1	113.1	98.5
SunGrains	LA20053SBSB-27-2*	90.9	72.3	128.5	97.2	113.3	113.3	101.3
SunGrains	LA18034SSB-7-1*	86.7	58.5	111.8	85.7	114.3	114.3	92.8
MEAN		78.8	55.1	114.6	82.8	108.9	108.9	89.3
CV		-	-	-	-	-	-	-
LSD(0.05)		-	-	-	-	-	-	-
R^2		-	-	-	-	-	-	-
ERROR DF		-	-	-	-	-	-	-

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

Table 15. Two-year summary of oat variety trials in Mississippi.

Brand	Variety[1]	Brooksville (clay)	Starkville (loam)	Verona (clay)	Stoneville (loam)	Overall Average
		bu/A	bu/A	bu/A	bu/A	bu/A
SunGrains	LA17089SBS-45-1-1*	61.9	33.2	72.4	93.0	65.1
SunGrains	LA17153SBSS-46-1*	62.8	46.8	77.0	100.6	71.8
OVERALL MEAN		62.3	40.0	74.7	96.8	68.5

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

MAFES BLACK BELT BRANCH, BROOKSVILLE

Table 15. Yields of five oat varieties at MAFES Black Belt Branch, Brooksville.

Brand	Variety[1]	2026 Yield bu/A	2-year Average bu/A	3-year[2] Average bu/A	Plant Height in.	Lodging Score (1-5)
SunGrains	LA20053SBSB-27-2*	90.9	-	-	41	1
SunGrains	LA17153SBSS-46-1*	90.0	62.8	-	38	1
SunGrains	LA18034SSB-7-1*	86.7	-	-	36	1
SunGrains	LA17089SBS-45-1-1*	72.1	61.9	-	40	1
SunGrains	LA20050SBSB-1-1*	54.4	-	-	45	1
MEAN		78.8	-	-	-	-
CV		-	-	-	-	-
LSD(0.05)		-	-	-	-	-
R^2		-	-	-	-	-
ERROR DF		-	-	-	-	-

[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 17. Yields of five oat varieties at MAFES R.R. Foil Plant Science Research Center, Starkville.

Brand	Variety[1]	2026 Yield bu/A	2-year Average bu/A	3-year[2] Average bu/A	Plant Height in.	Lodging Score (1-5)
SunGrains	LA20053SBSB-27-2*	72.3	-	-	40	1
SunGrains	LA17153SBSS-46-1*	63.7	46.8	-	40	1
SunGrains	LA18034SSB-7-1*	58.5	-	-	36	1
SunGrains	LA17089SBS-45-1-1*	41.3	33.2	-	38	1
SunGrains	LA20050SBSB-1-1*	39.8	-	-	40	1
MEAN		55.1	-	-	-	-
CV		-	-	-	-	-
LSD(0.05)		-	-	-	-	-
R^2		-	-	-	-	-
ERROR DF		-	-	-	-	-

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

[2]No 3-year average.

MAFES DELTA BRANCH STATION, STONEVILLE

Table 18. Yields of five oat varieties at MAFES Delta Branch Station, Stoneville (loam).

Brand	Variety[1]	2026 Yield bu/A	2-year Average bu/A	3-year[2] Average bu/A	Plant Height in.	Lodging Score (1-5)
SunGrains	LA18034SSB-7-1*	114.3	-	-	43	1
SunGrains	LA20053SBSB-27-2*	113.3	-	-	46	2
SunGrains	LA17153SBSS-46-1*	113.1	100.6	-	43	2
SunGrains	LA17089SBS-45-1-1*	108.6	93.0	-	41	4
SunGrains	LA20050SBSB-1-1*	95.1	-	-	47	2
MEAN		108.9	-	-	-	-
CV		-	-	-	-	-
LSD(0.05)		-	-	-	-	-
R^2		-	-	-	-	-
ERROR DF		-	-	-	-	-

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

[2]No 3-year average.

MAFES NORTHEAST MS BRANCH, VERONA

Table 19. Yields of five oat varieties at MAFES Northeast MS Branch,Verona.

Brand	Variety[1]	2026 Yield bu/A	2-year Average bu/A	3-year[2] Average bu/A	Plant Height in.	Lodging Score (1-5)
SunGrains	LA20053SBSB-27-2*	128.5	-	-	39	1
SunGrains	LA17153SBSS-46-1*	127.2	77.0	-	41	1
SunGrains	LA17089SBS-45-1-1*	115.9	72.4	-	39	1
SunGrains	LA18034SSB-7-1*	111.8	-	-	36	1
SunGrains	LA20050SBSB-1-1*	89.4	-	-	42	1
MEAN		114.6	-	-	-	-
CV		-	-	-	-	-
LSD(0.05)		-	-	-	-	-
R^2		-	-	-	-	-
ERROR DF		-	-	-	-	-

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

[2]No 3-year average.



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