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Mississippi WHEAT & OAT

VARIETY TRIALS, 2010

MAFES

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This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 5-6 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 5-6.

Mississippi Wheat and Oat Variety Trials, 2010

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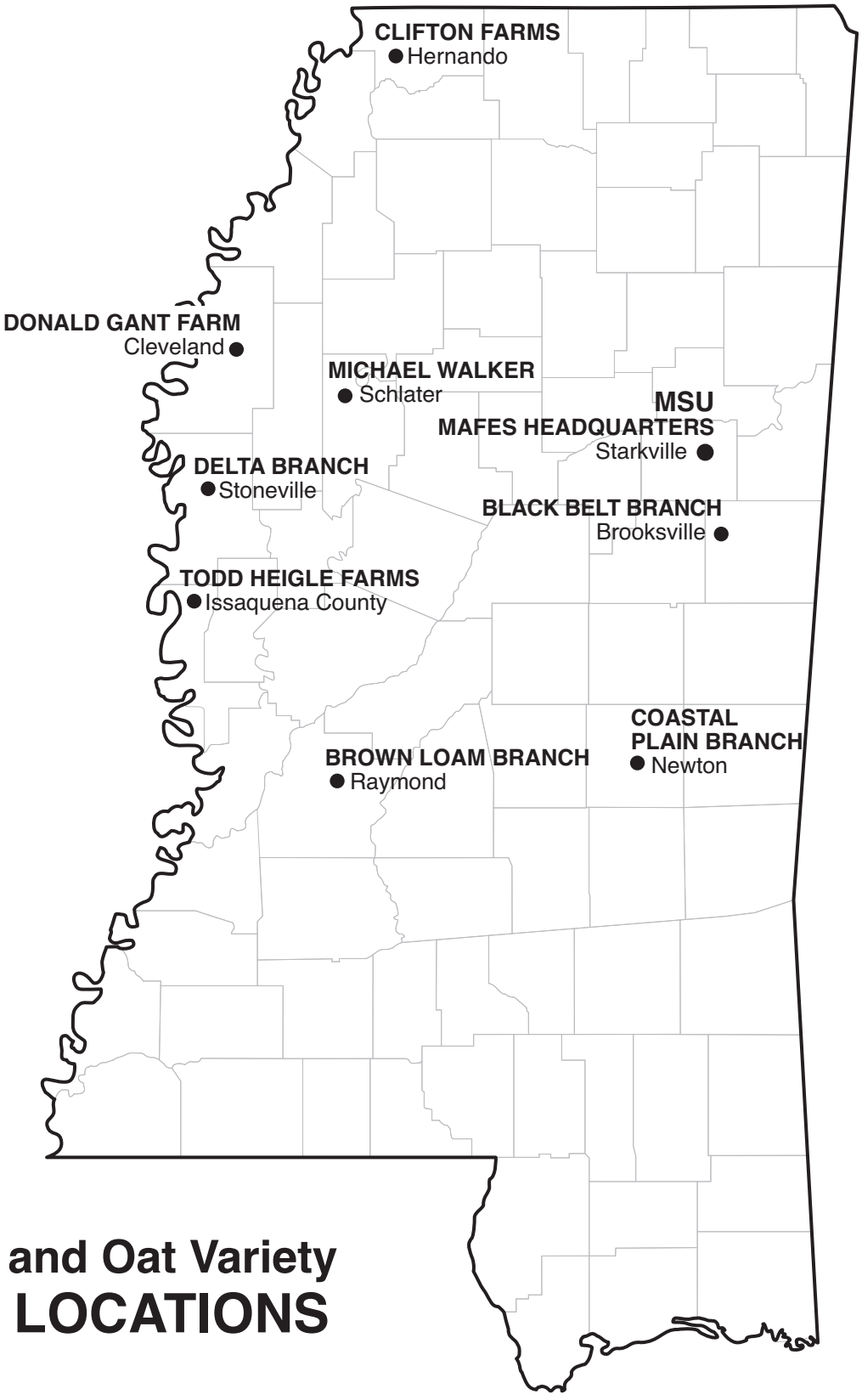

Wheat and Oat Variety
TEST LOCATIONS

Mississippi Wheat and Oat Variety Trials, 2010

Introduction

Small grains are grown throughout Mississippi. Wheat is the primary crop, followed by oats. Wheat variety trials were conducted at eight locations, while oat trials were conducted at four locations in Mississippi in 2009–2010. 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 at any 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:
http://msucares.com/pubs/infosheets/is1763.pdf

Plant Variety Protection Act
http://151.121.3.150/science/PVPO/PVPO_Act/whole2.pdf

Plant Variety Protection Office PVP Database
http://www.ars-grin.gov/cgi-bin/npgs/html/pvplist.pl

United States Patent Database
http://www.uspto.gov/patft/index.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:

Variety	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.

Weather Summary by Location

Brooksville — The wheat and oat variety trial was planted into a conventionally tilled seedbed. The planting date was delayed slightly from normal due to wet fall weather conditions. The cold and wet conditions after planting delayed germination and prevented adequate tillering until later in the spring. An application of fertilizer and herbicide early in the spring greatly improved the overall growth and appearance of the crop. Little or no bird damage occurred, and yields were slightly below average but quite acceptable, considering the weather conditions throughout the growing season.

Hernando — Wheat was planted late because of cold and wet weather conditions. Wheat was planted no-till into standing corn stalks. Wet and cold weather followed planting, and emergence was delayed. A cold December and January prevented any appreciable tillering until spring. The entire wheat crop was well below historical average on this farm. Awnless varieties were completely stripped by deer feeding upon maturity, thus yield data is not reported from this location.

Newton — The study was established in good soil moisture and normal temperatures, resulting in a good stand and early growth. However, temperatures turned extremely cold in January and February, with average monthly lows of 25.9° and 27.0°, respectively. There was no dead loss or reduced tillering due to these cold temperatures. Spring rain was slightly below normal, and the crop developed normally. There was very little disease or bird damage. However, some damage or yield loss occurred from deer predation of awnless varieties. The study was harvested in a timely manner.

Raymond — Wheat and oat trials were planted into a conventionally prepared seedbed. Soil moisture was good at planting, and plots emerged to a good stand. Winter temperatures were below normal, and rainfall during early spring was above average. There was no disease pressure during the growing season. Wheat and oat varieties were harvested under good conditions.

Cleveland — Plots were planted on November 11 and emerged to an adequate stand. Cold and wet winter conditions hindered plant growth and development, resulting in less than desirable tillering. Some plots appeared to be less vigorous, and some were more susceptible to disease pressure. Wheat began heading on April 15, and the last day of heading was April 26. Plots were harvested on time and were below the historical average. Yields were still respectable considering the fall and winter conditions.

Issaquena County — Wheat was planted in mid-November. An adequate stand was achieved by early December. January and February were slightly colder than normal for this area. No disease pressure was observed. Plots were harvested in a timely manner, and yields were excellent.

Schlater — Plots were planted into a good seedbed. During the winter and spring season, no winter weather damage was observed in any plots. Insect pressure in the plots was very light. Substantial stripe rust was observed in several plots. Overall, the growing season was good, and the yields were excellent.

Stoneville — The wheat and oat plots were planted into a freshly tilled seedbed following the previous soybean crop. Plots were planted into adequate moisture and emerged to a suitable stand. A cold and wet winter resulted in little vegetative growth until spring. The spring and early summer growing conditions were favorable, resulting in good yields. Harvest was completed in a timely manner.

Disease Rating Statement

All varieties were rated for development of leaf rust, stripe rust, Septoria leaf blotch, and Stagonospora glume blotch (when present) according to *James' Manual of Assessment Keys for Plant Diseases*. At growth stage 10.5 (spikes emerged), a visual assessment of the percentage of leaf area affected by each disease in a plot was recorded. Data were subjected to Analysis of Variance and means separated by the Least Significant Difference Test (LSD) at a probability of P=0.05. In 2010, three locations were rated: Raymond, Newton, and Merigold. No diseases were observed at the Newton Location. Leaf rust and Septoria leaf blotch were observed at very low levels at Raymond and Merigold. Data analysis was very similar for the varieties at Raymond and Merigold. Severity of each of the diseases was generally less than 5%. With minimal severity of disease among all of the varieties in the trial, determination of levels of susceptibility and resistance was not possible. Therefore, data for disease reaction are not reported for 2010. Keep in mind that variety response to diseases should be evaluated over several years when making decisions on variety selection.

Table 1. Companies supplying wheat brands/varieties entered.		
AgSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 2026 AGS 2035 AGS 2060	
B&S Seed Co., Inc. 1283 Hwy 444 Duncan, MS 38740	Dixie Bell DB 2100 Dixie Bell DB 2125 Dixie Bell DB 2150	Dixie Bell DB 7440
Cache River Valley Seed P.O. Box 10 Cash, AR 72421	Dixie 427 Dixie 454 Dixie 907	Dixie 940
Cullum Seed P.O. Box 178 Fisher, AR 72429	Armor ARX 9304 (Exp.) Delta King DK 9108 Delta King DK 9577	
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 1600 Delta Grow 5000 Delta Grow 5900	Delta Grow 8300
University of Georgia UGA-CAES-Griffin Campus 1109 Experiment St. Griffin, GA 30223	GA-001170-7E26 (Exp.) GA-031238-7E34 (Exp.) GA-991336-6E9 (Exp.)	
Dyna-Gro Seed 6221 Riverside Drive, Suite One Dublin, OH 43017	Dyna-Gro Baldwin Dyna-Gro Oglethorpe	
Hornbeck Seed Company P.O. Box 472 DeWitt, AR 72042	HBK 3266	
JGL Inc. 3540 South US 231 Greencastle, IN 46135	Exp 51585 (Exp.) Exp 60172 (Exp.) Exp 72562 (Exp.)	
Louisiana State University SPESS 221 M. B. Sturgis Hall Baton Rouge, LA 70803	LA01110D-150 (Exp.) LA01110D-84-1 (Exp.) LA01110D-84-2 (Exp.) LA01139D-56-7-3 (Exp.)	LA01139D-86-6-2 (Exp.) LA01129D-139-3 (Exp.)
Pioneer Hi-Bred Intl. 700 Blvd South SW, Suite 302 Huntsville, AL 35802	Pioneer variety 26R15 Pioneer variety 26R22 Pioneer variety 26R87	Pioneer variety 26R20 (was XW07B)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 117 Progeny 125 Progeny 166	Progeny 185
Syngenta Seeds 778 CR 680 Bay, AR 72411	Syngenta Beretta Syngenta Magnolia Syngenta Oakes	Syngenta Coker 9553 Syngenta Coker 9804 Syngenta ARCADIA
Terral Seed Inc. P. O. Box 826 Lake Providence, LA 71254	Terral LA821 Terral LA841 Terral TV8558	Terral TV8589 Terral TVX 8581 (Exp.) Terral TVX 8861 (Exp.)
UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG 3201 USG 3209 USG 3295 USG 3438	USG 3452 USG 3555 USG 3665 USG 3120
E. Virginia Ag. Res. & Ext. Center 2229 Menokin Road Warsaw, VA 22572	Jamestown VA Merl VA05W-258 (Exp.)	

Table 2. Companies supplying oat brands/varieties entered.

Louisiana State University SPESS 221 M. B. Sturgis Hall Baton Rouge, LA 70803	FL99153FBS-45-1 LA03046SBS7-B-S1 (Exp.) LA97006GSB-59-2-4 (Exp.) LA03063-SB-S4 (Exp.)
Plantation Seed P.O. Box 398 Newton, GA 39870	Horizon 201 Horizon 270

Table 3. 2010 yield summary of wheat variety trials in Mississippi.

Brand	Variety	Brooks-ville	North Avg.	Newton	Ray-mond	South Avg.	Cleve-land	Issaquena County	Schlater	Stone-ville	Delta Avg.	State Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS	AGS 2026	47.8	47.8	61.6	53.1	57.4	55.7	67.0	73.3	65.5	65.4	60.6
AGS	AGS 2035	32.7	32.7	66.6	73.5	70.0	75.9	70.3	86.3	60.4	73.2	66.5
AGS	AGS 2060	54.8	54.8	60.9	61.2	61.1	64.9	80.2	93.7	57.6	74.1	67.6
Armor	Armor ARX 9304	56.9	56.9	62.2	79.3	70.8	57.8	87.4	86.3	59.0	72.6	69.9
Delta Grow	Delta Grow 1600	46.7	46.7	55.0	65.4	60.2	59.6	77.2	77.7	55.6	67.5	62.5
Delta Grow	Delta Grow 5000	50.6	50.6	61.3	46.8	54.0	61.5	66.8	77.3	57.6	65.8	60.2
Delta Grow	Delta Grow 5900	53.3	53.3	58.8	49.2	54.0	44.9	76.6	75.3	60.2	64.3	59.8
Delta Grow	Delta Grow 8300	67.8	67.8	58.9	65.4	62.1	60.3	83.3	83.4	59.1	71.5	68.3
Delta King	DK 9108	46.5	46.5	53.0	45.9	49.4	57.5	66.5	71.3	57.9	63.3	56.9
Delta King	DK 9318	58.1	58.1	61.9	76.9	69.4	60.3	68.8	83.0	57.6	67.4	66.7
Delta King	DK 9577	28.4	28.4	64.3	49.6	57.0	60.6	72.0	72.8	55.3	65.2	57.6
Dixie	Dixie 427	54.5	54.5	58.2	56.4	57.3	61.5	81.5	72.5	56.2	67.9	63.0
Dixie	Dixie 454	56.1	56.1	61.4	58.1	59.7	52.2	77.2	83.9	63.8	69.3	64.7
Dixie	Dixie 907	58.1	58.1	55.5	64.2	59.8	55.4	83.2	81.5	60.5	70.2	65.5
Dixie	Dixie 940	46.7	46.7	49.8	54.9	52.3	50.0	65.9	75.7	63.4	63.7	58.1
Dixie Bell	DB 2125	48.3	48.3	51.3	51.7	51.5	63.0	76.5	76.0	49.2	66.2	59.4
Dixie Bell	DB2100	30.8	30.8	49.8	48.3	49.1	31.3	61.2	60.2	55.8	52.1	48.2
Dixie Bell	DB2150	46.8	46.8	52.7	52.1	52.4	58.3	72.2	71.0	57.8	64.8	58.7
Dixie Bell	DB7440	52.5	52.5	53.3	49.2	51.3	62.0	75.4	78.0	55.2	67.7	60.8
Dyna-Gro	Oglethorpe	53.9	53.9	50.4	54.3	52.4	58.2	61.3	75.1	58.1	63.2	58.8
Dyna-Gro	Baldwin	43.0	43.0	61.2	73.8	67.5	62.2	97.7	87.8	57.7	76.4	69.1
HBK	HBK 3266	60.5	60.5	62.2	81.5	71.9	51.2	69.7	76.8	61.6	64.8	66.2
JGL	JGL Exo 51585	60.9	60.9	62.3	72.5	67.4	52.2	82.8	84.8	58.9	69.7	67.8
JGL	JGL Exp 60172	62.1	62.1	62.3	71.9	67.1	74.3	87.6	91.6	69.7	80.8	74.2
JGL	JGL Exp 72562	63.2	63.2	64.0	78.3	71.1	60.2	83.5	86.2	62.3	73.0	71.1
Pioneer	Pioneer variety 26R15	57.3	57.3	58.0	71.4	64.7	55.9	85.6	86.0	62.9	72.6	68.2
Pioneer	Pioneer variety 26R20	61.8	61.8	59.3	69.0	64.1	56.1	74.8	84.7	61.4	69.2	66.7
Pioneer	Pioneer variety 26R22	53.4	53.4	70.7	84.1	77.4	56.5	89.9	97.7	65.1	77.3	73.9
Pioneer	Pioneer variety 26R87	62.5	62.5	61.6	77.1	69.3	61.8	73.5	88.9	64.0	72.0	69.9
Progeny	Progeny 117	59.2	59.2	55.8	64.7	60.2	52.6	70.0	73.3	60.7	64.1	62.3
Progeny	Progeny 125	44.5	44.5	61.6	52.9	57.2	62.4	73.5	78.1	51.5	66.4	60.6
Progeny	Progeny 166	57.0	57.0	63.9	57.5	60.7	64.1	80.0	77.3	58.5	70.0	65.5
Progeny	Progeny 185	53.7	53.7	57.1	51.2	54.2	53.0	71.1	80.7	54.8	64.9	60.2
Public	GA-001170-7E26	45.0	45.0	64.1	65.6	64.8	57.8	87.7	88.1	63.1	74.2	67.4
Public	GA-031238-7E34	41.8	41.8	61.5	66.5	64.0	54.8	76.1	85.1	56.9	68.2	63.2
Public	LA0110D-84-2	49.7	49.7	66.4	59.8	63.1	67.3	73.6	72.1	56.1	67.3	63.6
Public	LA01110D-150	63.1	63.1	71.0	65.8	68.4	70.7	88.4	79.6	59.5	74.5	71.2
Public	LA01110D-84-1	61.9	61.9	60.5	66.1	63.3	64.9	78.9	68.4	65.0	69.3	66.5
Public	LA01129D-139-3	59.8	59.8	56.1	65.7	60.9	51.9	85.6	71.7	56.1	66.3	63.8
Public	LA01139D-56-7-3	51.6	51.6	61.6	73.1	67.3	48.3	72.8	65.8	64.8	62.9	62.6
Public	LA01139-D-86-6-2	54.0	54.0	63.8	64.4	64.1	59.4	77.7	79.6	63.1	70.0	66.0
Public	VA Jamestown	45.2	45.2	58.6	59.1	58.9	53.8	74.5	80.2	58.0	66.6	61.4
Public	VA Merl	44.0	44.0	59.1	54.3	56.7	61.6	76.8	78.7	59.4	69.1	62.0
Public	VA05W-258	63.8	63.8	53.0	61.9	57.4	29.2	42.9	67.9	60.4	50.1	54.1
Syngenta	Beretta	43.9	43.9	43.0	59.0	51.0	57.8	80.7	74.9	59.8	68.3	59.9
Syngenta	Coker 9553	51.5	51.5	67.3	73.0	70.1	68.5	82.4	85.4	56.9	73.3	69.3
Syngenta	Coker 9804	51.5	51.5	57.4	62.9	60.1	53.5	66.6	78.8	61.2	65.0	61.7
Syngenta	ARCADIA	56.6	56.6	66.2	68.9	67.5	57.0	82.6	78.4	61.8	70.0	67.4
Syngenta	MAGNOLIA	54.9	54.9	61.1	61.4	61.3	63.7	82.6	77.1	62.2	71.4	66.1

Continued.

Table 3 (continued). 2010 yield summary of wheat variety trials in Mississippi.

Brand	Variety	Brooksville	North Avg.	Newton	Raymond	South Avg.	Cleveland	Issaquena County	Schlater	Stoneville	Delta Avg.	State Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Syngenta	Oakes	51.6	51.6	60.5	62.4	61.5	57.0	75.3	79.0	62.6	68.5	64.1
Terral	Terral LA821	59.0	59.0	61.3	64.4	62.9	46.1	67.5	72.1	60.8	61.6	61.6
Terral	Terral LA841	53.9	53.9	57.9	66.7	62.3	65.6	74.2	70.3	59.9	67.5	64.1
Terral	Terral TV8558	46.8	46.8	62.5	71.2	66.9	56.5	69.0	81.2	67.1	68.5	64.9
Terral	Terral TV8589	54.1	54.1	60.9	67.1	64.0	53.4	79.9	77.6	62.7	68.4	65.1
Terral	Terral TVX8581	61.5	61.5	63.4	60.8	62.1	53.5	78.1	72.4	59.1	65.8	64.1
Terral	Terral TVX8861	63.4	63.4	71.9	77.2	74.6	64.0	92.9	91.0	65.3	78.3	75.1
USG	USG 3120	59.9	59.9	63.9	63.5	63.7	68.6	82.6	85.8	61.5	74.6	69.4
USG	USG 3201	67.5	67.5	67.8	61.0	64.4	61.6	85.6	92.7	69.7	77.4	72.3
USG	USG 3209	42.1	42.1	55.4	59.5	57.4	46.4	78.1	77.5	53.3	63.8	58.9
USG	USG 3295	43.7	43.7	58.6	59.2	58.9	60.2	80.9	87.3	58.1	71.6	64.0
USG	USG 3438	67.5	67.5	65.8	75.0	70.4	70.9	85.9	88.5	68.5	78.5	74.6
USG	USG 3452	48.2	48.2	51.7	51.9	51.8	45.8	65.0	81.2	60.9	63.2	57.8
USG	USG 3555	44.7	44.7	55.2	58.3	56.8	65.6	74.9	80.2	58.5	69.8	62.5
USG	USG 3665	48.0	48.0	56.0	59.5	57.7	62.2	75.4	77.2	56.5	67.8	62.1
Overall Mean		52.8	52.8	59.8	63.2	61.5	58.0	76.7	79.6	60.0	68.6	64.3
LSD (.10)		12.4	12.4	8.3	11.5	9.9	9.7	11.5	10.0	5.2	9.1	9.8
Error degrees of freedom		189	189	189	189	189	189	189	189	189	189	189
CV (%)		20.1	20.1	11.8	15.5	13.7	14.3	12.9	10.7	7.5	11.4	13.3
R^2 (%)		59.4	59.4	46.6	56.5	51.6	64.1	51.5	51	56.9	55.9	55.1

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

Brand	Variety	Brooksville	North Avg.	Newton	Raymond	South Avg.	Cleveland	Issaquena County	Schlater	Stoneville	Delta Avg.	State Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS	AGS 2026	54.8	54.8	46.2	49.9	48.08	51.5	59.0	55.2	59.5	56.3	53.1
AGS	AGS 2035	47.5	47.5	62.5	66.5	64.46	59.1	71.0	65.1	61.4	64.2	58.7
AGS	AGS 2060	57.8	57.8	62.4	50.2	56.31	55.8	71.4	63.6	58.4	62.3	58.8
Delta Grow	Delta Grow 1600	53.4	53.4	57.3	68.7	63.01	52.9	68.3	60.6	56.7	59.6	58.7
Delta King	DK 9108	53.1	53.1	47.4	46.0	46.69	51.7	61.7	56.7	52.3	55.6	51.8
Delta King	DK 9318	65.2	65.2	62.7	65.2	63.97	51.9	68.4	60.2	59.0	59.9	63.0
Delta King	DK 9577	46.4	46.4	65.6	60.1	62.84	51.6	69.9	60.8	57.7	60.0	56.4
Dixie	Dixie 427	63.8	63.8	61.9	66.3	64.08	54.2	75.1	64.6	61.8	63.9	64.0
Dixie	Dixie 454	61.5	61.5	61.3	66.7	64.02	49.5	66.7	58.1	60.1	58.6	61.4
Dixie	Dixie 907	62.3	62.3	56.9	66.2	61.55	49.1	73.1	61.1	57.7	60.3	61.4
Dixie	Dixie 940	56.0	56.0	57.4	67.5	62.44	46.0	59.9	53.0	58.0	54.2	57.6
Dixie Bell	DB 2125	56.5	56.5	56.0	56.0	55.99	52.0	65.5	58.7	53.2	57.4	56.6
Dixie Bell	DB2100	45.1	45.1	54.6	57.0	55.80	36.8	59.9	48.4	53.4	49.6	50.2
Dixie Bell	DB2150	57.5	57.5	55.3	53.2	54.23	50.5	69.0	59.7	58.3	59.4	57.0
Dixie Bell	DB7440	61.2	61.2	57.0	58.8	57.86	51.2	72.2	61.7	59.3	61.1	60.1
Dyna-Gro	Oglethorpe	59.4	59.4	37.0	47.1	42.05	51.5	58.8	55.1	60.1	56.4	52.6
Dyna-Gro	Baldwin	53.1	53.1	66.0	74.7	70.33	54.0	87.7	70.9	60.9	68.4	63.9
HBK	HBK 3266	64.8	64.8	67.0	73.6	70.32	49.2	68.7	59.0	62.6	59.9	65.0
Pioneer	Pioneer variety 26R15	64.2	64.2	60.0	75.1	67.51	51.0	72.0	61.5	60.2	61.2	64.3
Pioneer	Pioneer variety 26R20	64.6	64.6	65.1	69.2	67.16	50.8	68.6	59.7	63.6	60.7	64.1
Pioneer	Pioneer variety 26R22	59.2	59.2	68.7	83.3	76.01	47.1	75.7	61.4	62.0	61.5	65.6
Pioneer	Pioneer variety 26R87	64.7	64.7	61.7	73.3	67.53	54.6	69.2	61.9	60.4	61.5	64.6
Progeny	Progeny 117	66.7	66.7	58.4	63.7	61.08	47.7	67.4	57.5	60.7	58.3	62.0
Progeny	Progeny 166	63.8	63.8	66.0	68.8	67.41	50.7	69.4	60.1	59.2	59.9	63.7
Progeny	Progeny 185	60.3	60.3	62.3	63.7	63.04	47.6	66.4	57.0	58.5	57.4	60.2
Public	LA01110D-150	63.1	63.1	64.6	51.7	58.16	59.1	75.8	67.5	62.2	66.2	62.5
Public	LA01110D-84-1	65.1	65.1	51.1	52.9	51.99	55.6	73.5	64.5	64.1	64.4	60.5
Public	VA Jamestown	56.2	56.2	53.9	54.6	54.25	52.1	66.8	59.5	53.3	57.9	56.1
Public	VA Merl	58.1	58.1	61.9	70.0	65.95	51.0	60.9	56.0	55.6	55.9	60.0
Syngenta	Beretta	52.0	52.0	50.6	65.9	58.22	52.9	70.4	61.7	53.9	59.7	56.7
Syngenta	Coker 9553	60.2	60.2	66.3	66.6	66.48	56.7	72.2	64.4	58.0	62.8	63.2
Syngenta	Coker 9804	57.5	57.5	67.1	67.7	67.42	46.8	64.5	55.6	63.8	57.7	60.9

Continued.

Table 4 (continued). Two-year summary of yields of wheat variety trials in Mississippi.

Brand	Variety	Brooks-ville	North Avg.	Newton	Ray-mond	South Avg.	Cleve-land	Issaquena County	Schlater	Stone-ville	Delta Avg.	State Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Syngenta	MAGNOLIA	61.9	61.9	62.8	64.4	63.55	53.1	77.2	65.1	61.6	64.2	63.2
Syngenta	Oakes	59.4	59.4	66.2	74.6	70.39	51.4	67.1	59.2	59.8	59.4	63.1
Terral	Terral LA821	63.0	63.0	56.1	52.2	54.14	44.0	61.5	52.7	62.1	55.1	57.4
Terral	Terral LA841	58.9	58.9	50.5	55.3	52.90	55.2	67.9	61.6	59.2	61.0	57.6
Terral	Terral TV8558	53.1	53.1	59.9	71.1	65.51	49.7	65.6	57.6	60.6	58.4	59.0
Terral	Terral TV8589	55.5	55.5	60.3	66.1	63.16	47.3	66.3	56.8	58.4	57.2	58.6
USG	USG 3120	62.2	62.2	61.9	55.8	58.88	58.5	74.2	66.4	65.5	66.1	62.4
USG	USG 3209	48.2	48.2	51.9	54.1	52.99	43.5	72.0	57.8	52.8	56.5	52.6
USG	USG 3295	50.9	50.9	62.7	68.3	65.49	51.2	73.5	62.3	59.6	61.7	59.3
USG	USG 3555	53.1	53.1	62.4	64.9	63.67	57.0	70.1	63.5	59.1	62.4	59.7
USG	USG 3665	54.3	54.3	59.3	66.9	63.14	52.1	68.9	60.5	55.6	59.3	58.9
Overall Mean		58.0	58.0	59.2	63.1	61.2	51.3	68.9	60.1	59.1	59.8	59.7

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

Brand	Variety	Brooks-ville	North Avg.	Newton	Ray-mond	South Avg.	Cleve-land	Issaquena County	Stone-ville	Delta Avg.	State Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS	AGS 2035	56.4	56.4	63.7	57.9	60.8	64.0	79.6	70.3	71.3	62.8
AGS	AGS 2060	63.4	63.4	64.9	48.1	56.5	58.1	74.3	71.2	67.8	62.6
Delta Grow	Delta Grow 1600	59.1	59.1	56.6	68.5	62.6	53.2	69.2	63.1	61.8	61.2
Delta King	DK 9108	64.1	64.1	50.2	49.1	49.6	52.8	64.0	61.4	59.4	57.7
Delta King	DK 9577	58.0	58.0	64.4	63.4	63.9	54.7	74.2	66.2	65.0	62.3
Dixie	Dixie 427	62.2	62.2	60.2	68.4	64.3	57.4	79.4	70.5	69.1	65.2
Dixie	Dixie 454	68.1	68.1	63.0	68.1	65.5	56.5	73.2	67.6	65.8	66.5
Dixie	Dixie 907	67.0	67.0	57.3	67.6	62.4	53.5	72.7	64.2	63.5	64.3
Dixie Bell	DB 2125	62.5	62.5	56.3	59.1	57.7	56.7	68.1	61.3	62.1	60.8
Dixie Bell	DB2100	55.4	55.4	56.2	61.3	58.7	47.3	68.4	64.7	60.2	58.1
Dixie Bell	DB2150	61.4	61.4	52.0	56.0	54.0	55.6	70.9	66.3	64.3	59.9
Dixie Bell	DB7440	63.0	63.0	53.4	59.8	56.6	54.9	73.3	66.9	65.0	61.6
Dyna-Gro	Baldwin	61.1	61.1	66.0	67.8	66.9	60.0	89.8	70.0	73.3	67.1
HBK	HBK 3266	69.7	69.7	67.9	68.4	68.1	54.3	75.2	69.8	66.4	68.1
Pioneer	Pioneer variety 26R15	73.1	73.1	60.4	71.8	66.1	54.7	73.9	68.2	65.6	68.3
Pioneer	Pioneer variety 26R22	67.6	67.6	63.9	75.6	69.7	54.3	76.0	69.1	66.5	67.9
Pioneer	Pioneer variety 26R87	71.8	71.8	66.7	67.4	67.1	60.3	73.5	66.8	66.9	68.6
Progeny	Progeny 117	68.2	68.2	58.4	61.2	59.8	51.1	70.4	68.6	63.3	63.8
Progeny	Progeny 166	66.7	66.7	64.4	70.3	67.3	55.4	71.7	66.7	64.6	66.2
Progeny	Progeny 185	66.1	66.1	65.0	63.5	64.2	51.4	71.0	65.1	62.5	64.3
Public	VA Jamestown	61.1	61.1	55.0	51.9	53.4	57.6	75.2	62.9	65.2	59.9
Syngenta	Beretta	60.1	60.1	54.0	66.4	60.2	55.6	75.1	63.4	64.7	61.6
Syngenta	Coker 9553	65.8	65.8	65.8	60.7	63.3	59.9	73.2	65.5	66.2	65.1
Syngenta	Coker 9804	63.0	63.0	62.8	67.3	65.0	52.7	70.4	70.7	64.6	64.2
Syngenta	MAGNOLIA	72.8	72.8	64.2	58.0	61.1	55.5	79.4	68.3	67.7	67.2
Terral	Terral LA821	70.0	70.0	56.3	54.9	55.6	50.8	66.9	70.2	62.7	62.7
Terral	Terral LA841	66.3	66.3	55.1	51.0	53.0	59.6	75.0	68.1	67.6	62.3
Terral	Terral TV8558	59.3	59.3	58.5	70.1	64.3	55.7	69.6	66.2	63.8	62.5
Terral	Terral TV8589	61.5	61.5	56.9	69.3	63.1	51.9	73.0	66.6	63.8	62.8
USG	USG 3209	56.9	56.9	53.2	52.6	52.9	48.4	74.4	62.8	61.9	57.2
USG	USG 3295	50.7	50.7	66.3	68.7	67.5	57.3	78.8	67.6	67.9	62.0
USG	USG 3555	54.3	54.3	66.4	63.3	64.9	59.5	76.1	67.9	67.8	62.3
USG	USG 3665	60.1	60.1	60.5	67.8	64.1	56.2	72.2	62.2	63.5	62.6
Overall Mean		63.2	63.2	60.2	62.9	61.5	55.4	73.6	66.7	65.2	63.3

Table 6. Yields of 64 wheat varieties at MAFES Black Belt Branch, Brooksville (Brooksville silty Clay Soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Delta Grow 8300	Delta Grow	67.8	—	—	35	58	4/26	1	31
USG 3438	USG	67.5	—	—	31	55	4/25	1	28
USG 3201	USG	67.5	—	—	38	59	4/28	1	27
VA05W-258	Public	63.8	—	—	35	55	4/27	1	30
Terral TVX8861	Terral	63.4	—	—	31	59	4/30	1	31
JGL Exp 72562	JGL	63.2	—	—	40	55	4/30	1	29
LA01110D-150	Public	63.1	63.1	—	44	56	4/26	1	32
Pioneer variety 26R87	Pioneer	62.5	64.7	71.8	47	59	4/20	1	32
JGL Exp 60172	JGL	62.1	—	—	30	55	4/26	1	30
LA01110D-84-1	Public	61.9	65.1	—	45	56	4/23	1	33
Pioneer variety 26R20	Pioneer	61.8	64.6	—	38	58	4/27	1	34
Terral TVX8581	Terral	61.5	—	—	38	56	4/25	1	33
JGL Exo 51585	JGL	60.9	—	—	33	58	4/28	1	33
HBK 3266	HBK	60.5	64.8	69.7	36	58	4/25	1	32
USG 3120	USG	59.9	62.2	—	41	58	4/22	1	32
LA01129D-139-3	Public	59.8	—	—	41	59	4/26	1	34
Progeny 117	Progeny	59.2	66.7	68.2	38	56	4/26	1	33
Terral LA821	Terral	59.0	63.0	70.0	35	60	4/20	1	34
DK 9318	Delta King	58.1	65.2	—	35	57	4/24	1	34
Dixie 907	Dixie	58.1	62.3	67.0	33	57	4/26	1	36
Pioneer variety 26R15	Pioneer	57.3	64.2	73.1	33	57	4/27	1	33
Progeny 166	Progeny	57.0	63.8	66.7	37	56	4/26	1	35
Armor ARX 9304	Armor	56.9	—	—	37	55	4/28	1	24
ARCADIA	Syngenta	56.6	—	—	39	58	4/21	1	32
Dixie 454	Dixie	56.1	61.5	68.1	34	59	4/29	1	31
MAGNOLIA	Syngenta	54.9	61.9	72.8	38	57	4/26	1	34
AGS 2060	AGS	54.8	57.8	63.4	39	60	4/26	1	37
Dixie 427	Dixie	54.5	63.8	62.2	34	57	4/25	1	30
Terral TV8589	Terral	54.1	55.5	61.5	38	56	4/29	1	33
LA01139-D-86-6-2	Public	54.0	—	—	35	56	4/25	1	33
Terral LA841	Terral	53.9	58.9	66.3	30	56	4/26	1	33
Oglethorpe	Dyna-Gro	53.9	59.4	—	35	56	4/20	1	30
Progeny 185	Progeny	53.7	60.3	66.1	32	56	4/26	1	32
Delta Grow 8300	Delta Grow	67.8	—	—	35	58	4/26	1	31
USG 3438	USG	67.5	—	—	31	55	4/25	1	28
USG 3201	USG	67.5	—	—	38	59	4/28	1	27
VA05W-258	Public	63.8	—	—	35	55	4/27	1	30
Terral TVX8861	Terral	63.4	—	—	31	59	4/30	1	31
JGL Exp 72562	JGL	63.2	—	—	40	55	4/30	1	29
LA01110D-150	Public	63.1	63.1	—	44	56	4/26	1	32
Pioneer variety 26R87	Pioneer	62.5	64.7	71.8	47	59	4/20	1	32
JGL Exp 60172	JGL	62.1	—	—	30	55	4/26	1	30
LA01110D-84-1	Public	61.9	65.1	—	45	56	4/23	1	33
Pioneer variety 26R20	Pioneer	61.8	64.6	—	38	58	4/27	1	34
Terral TVX8581	Terral	61.5	—	—	38	56	4/25	1	33
JGL Exo 51585	JGL	60.9	—	—	33	58	4/28	1	33
HBK 3266	HBK	60.5	64.8	69.7	36	58	4/25	1	32
USG 3120	USG	59.9	62.2	—	41	58	4/22	1	32
LA01129D-139-3	Public	59.8	—	—	41	59	4/26	1	34
Progeny 117	Progeny	59.2	66.7	68.2	38	56	4/26	1	33
Terral LA821	Terral	59.0	63.0	70.0	35	60	4/20	1	34
DK 9318	Delta King	58.1	65.2	—	35	57	4/24	1	34
Dixie 907	Dixie	58.1	62.3	67.0	33	57	4/26	1	36
Pioneer variety 26R15	Pioneer	57.3	64.2	73.1	33	57	4/27	1	33
Progeny 166	Progeny	57.0	63.8	66.7	37	56	4/26	1	35
Armor ARX 9304	Armor	56.9	—	—	37	55	4/28	1	24
ARCADIA	Syngenta	56.6	—	—	39	58	4/21	1	32
Dixie 454	Dixie	56.1	61.5	68.1	34	59	4/29	1	31
MAGNOLIA	Syngenta	54.9	61.9	72.8	38	57	4/26	1	34
AGS 2060	AGS	54.8	57.8	63.4	39	60	4/26	1	37
Dixie 427	Dixie	54.5	63.8	62.2	34	57	4/25	1	30
Terral TV8589	Terral	54.1	55.5	61.5	38	56	4/29	1	33
LA01139-D-86-6-2	Public	54.0	—	—	35	56	4/25	1	33
Terral LA841	Terral	53.9	58.9	66.3	30	56	4/26	1	33

Continued.

Table 6 (continued). Yields of 64 wheat varieties at MAFES Black Belt Branch, Brooksville (Brooksville silty Clay Soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Oglethorpe	Dyna-Gro	53.9	59.4	—	35	56	4/20	1	30
Progeny 185	Progeny	53.7	60.3	66.1	32	56	4/26	1	32
USG 3295	USG	43.7	50.9	50.7	42	58	4/26	1	30
Baldwin	Dyna-Gro	43.0	53.1	61.1	41	58	4/30	1	37
USG 3209	USG	42.1	48.2	56.9	43	57	4/25	1	28
GA-031238-7E34	Public	41.8	—	—	29	57	4/27	1	28
AGS 2035	AGS	32.7	47.5	56.4	48	57	4/21	1	34
DB2100	Dixie Bell	30.8	45.1	55.4	30	56	4/29	1	34
DK 9577	Delta King	28.4	46.4	58.0	35	58	4/27	1	30
Overall Mean		52.8							
LSD (.10)		12.4							
Error degrees of freedom		189							
CV (%)		20.1							
R^2 (%)		59.4							

[1]Planted November 16, 2009 Harvested June 9, 2010 Soil Fertility: pH=6.2; P=M; K=M
Fertilizer added: Topdress — N @ 90 lb/A (33-0-0) on February 25, 2010; N @ 20 lb/A (33-0-0) on March 30, 2010
Herbicide: Harmony Extra SG @ 0.6 oz/A on March 16, 2010 Previous crop: Wheat
[2]See "Procedures" for a description of lodging scores.

Table 7. Yields of 64 wheat varieties at Donald Gant Farm, Cleveland (Brittain silt Loam Soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
DB2150	Dixie Bell	58.3	50.5	55.60	29	55	4/20	1	34
Oglethorpe	Dyna-Gro	58.2	51.5	—	30	54	4/16	1	26
AGS 2035	AGS	75.9	59.1	64.0	38	57	4/15	1	34
JGL Exp 60172	JGL	74.3	—	—	29	54	4/20	1	30
USG 3438	USG	70.9	—	—	26	55	4/19	1	28
LA01110D-150	Public	70.7	59.1	—	37	55	4/20	1	31
USG 3120	USG	68.6	58.5	—	38	58	4/16	1	32
Coker 9553	Syngenta	68.5	56.7	59.9	33	58	4/16	1	34
Terral LA841	Terral	65.6	55.2	59.58	32	56	4/20	1	29
USG 3555	USG	65.6	57.0	59.47	31	54	4/20	1	26
AGS 2060	AGS	64.9	55.8	58.09	34	58	4/22	1	32
LA01110D-84-1	Public	64.9	55.6	—	34	57	4/19	1	32
Progeny 166	Progeny	64.1	50.7	55.43	30	55	4/20	1	34
Terral TVX8861	Terral	64.0	—	—	30	55	4/23	1	28
MAGNOLIA	Syngenta	63.7	53.1	55.48	32	55	4/21	1	32
DB 2125	Dixie Bell	63.0	52.0	56.70	29	55	4/21	1	34
Progeny 125	Progeny	62.4	—	—	28	55	4/15	1	28
Baldwin	Dyna-Gro	62.2	54.0	59.99	36	56	4/26	1	32
USG 3665	USG	62.2	52.1	56.20	26	53	4/26	1	29
DB7440	Dixie Bell	62.0	51.2	54.86	28	54	4/19	1	36
Pioneer variety 26R87	Pioneer	61.8	54.6	60.26	40	57	4/19	1	30
USG 3201	USG	61.6	—	—	33	57	4/22	1	28
VA Merl	Public	61.6	51.0	—	32	55	4/21	1	28
Delta Grow 5000	Delta Grow	61.5	—	—	28	54	4/15	1	28
Dixie 427	Dixie	61.5	54.2	57.43	26	53	4/21	1	28
DK 9577	Delta King	60.6	51.6	54.67	26	54	4/22	1	30
DK 9318	Delta King	60.3	51.9	—	34	56	4/22	1	30
Delta Grow 8300	Delta Grow	60.3	—	—	25	54	4/22	1	27
JGL Exp 72562	JGL	60.2	—	—	28	52	4/22	1	29
USG 3295	USG	60.2	51.2	57.27	28	56	4/19	1	29
Delta Grow 1600	Delta Grow	59.6	52.9	53.21	25	53	4/22	1	30
LA01139-D-86-6-2	Public	59.4	—	—	29	56	4/16	1	32

Continued.

Table 7 (continued). Yields of 64 wheat varieties at Donald Gant Farm, Cleveland (Brittain silt Loam Soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
GA-001170-7E26	Public	57.8	—	—	31	57	4/23	1	28
Beretta	Syngenta	57.8	52.9	55.62	28	53	4/23	1	29
Armor ARX 9304	Armor	57.8	—	—	24	53	4/22	1	26
DK 9108	Delta King	57.5	51.7	52.78	33	55	4/26	1	33
Oakes	Syngenta	57.0	51.4	—	30	56	4/21	1	29
ARCADIA	Syngenta	57.0	—	—	37	58	4/19	1	30
Pioneer variety 26R22	Pioneer	56.5	47.1	54.31	32	55	4/22	1	28
Terral TV8558	Terral	56.5	49.7	55.69	26	53	4/22	1	28
Pioneer variety 26R20	Pioneer	56.1	50.8	—	31	56	4/22	1	30
Pioneer variety 26R15	Pioneer	55.9	51.0	54.72	33	53	4/26	1	30
AGS 2026	AGS	55.7	51.5	—	28	56	4/19	1	28
Dixie 907	Dixie	55.4	49.1	53.50	29	54	4/23	1	33
GA-031238-7E34	Public	54.8	—	—	26	55	4/21	1	24
VA Jamestown	Public	53.8	52.1	57.56	30	57	4/19	1	27
Terral TVX8581	Terral	53.5	—	—	33	56	4/19	1	31
Coker 9804	Syngenta	53.5	46.8	52.71	27	55	4/21	1	29
Terral TV8589	Terral	53.4	47.3	51.89	29	52	4/26	1	31
Progeny 185	Progeny	53.0	47.6	51.41	28	55	4/20	1	29
Progeny 117	Progeny	52.6	47.7	51.07	31	56	4/19	1	32
Dixie 454	Dixie	52.2	49.5	56.53	27	54	4/26	1	30
JGL Exo 51585	JGL	52.2	—	—	25	55	4/21	1	27
LA01129D-139-3	Public	51.9	—	—	32	56	4/20	1	33
HBK 3266	HBK	51.2	49.2	54.31	28	57	4/20	1	34
Dixie 940	Dixie	50.0	46.0	—	30	54	4/20	1	32
LA01139D-56-7-3	Public	48.3	—	—	31	56	4/19	1	30
USG 3209	USG	46.4	43.5	48.41	36	53	4/19	1	26
Terral LA821	Terral	46.1	44.0	50.84	29	56	4/16	1	34
USG 3452	USG	45.8	—	—	28	54	4/15	1	35
Delta Grow 5900	Delta Grow	44.9	—	—	25	57	4/23	1	26
DB2100	Dixie Bell	31.3	36.8	47.32	26	54	4/22	1	31
VA05W-258	Public	29.2	—	—	27	54	4/23	1	29
Overall Mean		58.0							
LSD (.10)		9.7							
Error degrees of freedom		189.0							
CV (%)		14.3							
R^2 (%)		64.1							

[1]Planted November 11, 2009 Harvested June 11, 2010 Soil fertility: pH=4.6; P=H; K=H+
Fertilizer added: N @ 123 lb/A (41-0-0-4) in three applications on February 18, 2010, March 19, 2010, and March 24, 2010
Herbicide: Axial @ 16.4 oz/A + Harmony Extra @ 0.5 oz/A on March 5, 2010 Previous crop: Soybeans
[2]See "Procedures" for a description of lodging scores.

Table 8. Yields of 64 wheat varieties at Todd Heigle Farms, Issaquena County (silty clay loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Baldwin	Dyna-Gro	97.7	87.7	89.8	37	59	4/23	1	39
Terral TVX8861	Terral	92.9	—	—	31	58	4/19	1	33
Pioneer variety 26R22	Pioneer	89.9	75.7	76.0	34	58	4/22	1	36
LA01110D-150	Public	88.4	75.8	—	39	59	4/14	1	35
GA-001170-7E26	Public	87.7	—	—	32	60	4/19	1	34
JGL Exp 60172	JGL	87.6	—	—	29	58	4/18	1	33
Armor ARX 9304	Armor	87.4	—	—	30	58	4/22	1	32
USG 3438	USG	85.9	—	—	27	58	4/19	1	32
LA01129D-139-3	Public	85.6	—	—	34	60	4/20	2	37
Pioneer variety 26R15	Pioneer	85.6	72.0	73.9	27	58	4/23	1	35
USG 3201	USG	85.6	—	—	28	61	4/22	1	30
JGL Exp 72562	JGL	83.5	—	—	30	57	4/23	1	36

Continued.

Table 8 (continued). Yields of 64 wheat varieties at Todd Heigle Farms, Issaquena County (silty clay loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Delta Grow 8300	Delta Grow	83.3	—	—	29	59	4/23	1	36
Dixie 907	Dixie	83.2	73.1	72.7	29	59	4/21	1	40
JGL Exo 51585	JGL	82.8	—	—	26	59	4/22	1	36
ARCADIA	Syngenta	82.6	—	—	34	60	4/15	1	33
USG 3120	USG	82.6	74.2	—	31	59	4/15	1	36
MAGNOLIA	Syngenta	82.6	77.2	79.4	32	59	4/20	1	41
Coker 9553	Syngenta	82.4	72.2	73.2	34	61	4/17	1	36
Dixie 427	Dixie	81.5	75.1	79.4	28	59	4/18	1	36
USG 3295	USG	80.9	73.5	78.8	31	59	4/18	1	32
Beretta	Syngenta	80.7	70.4	75.1	28	58	4/23	1	35
AGS 2060	AGS	80.2	71.4	74.3	38	62	4/18	1	40
Progeny 166	Progeny	80.0	69.4	71.7	30	59	4/19	1	39
Terral TV8589	Terral	79.9	66.3	73.0	32	59	4/22	1	38
LA01110D-84-1	Public	78.9	73.5	—	40	60	4/14	1	37
Terral TVX8581	Terral	78.1	—	—	32	59	4/16	1	35
USG 3209	USG	78.1	72.0	74.4	33	58	4/17	1	30
LA01139-D-86-6-2	Public	77.7	—	—	35	59	4/14	1	37
Dixie 454	Dixie	77.2	66.7	73.2	32	60	4/22	1	39
Delta Grow 1600	Delta Grow	77.2	68.3	69.2	27	57	4/22	1	36
VA Merl	Public	76.8	60.9	—	33	60	4/20	1	30
Delta Grow 5900	Delta Grow	76.6	—	—	27	60	4/24	1	37
DB 2125	Dixie Bell	76.5	65.5	68.1	30	59	4/19	1	42
GA-031238-7E34	Public	76.1	—	—	25	58	4/20	1	32
USG 3665	USG	75.4	68.9	72.2	28	59	4/22	1	37
DB7440	Dixie Bell	75.4	72.2	73.3	31	58	4/17	1	38
Oakes	Syngenta	75.3	67.1	—	30	59	4/19	1	35
USG 3555	USG	74.9	70.1	76.1	33	59	4/19	1	31
Pioneer variety 26R20	Pioneer	74.8	68.6	—	29	59	4/20	1	35
VA Jamestown	Public	74.5	66.8	75.2	28	62	4/16	1	32
Terral LA841	Terral	74.2	67.9	75.0	34	60	4/18	1	32
LA0110D-84-2	Public	73.6	—	—	36	60	4/14	1	38
Progeny 125	Progeny	73.5	—	—	27	57	4/15	1	32
Pioneer variety 26R87	Pioneer	73.5	69.2	73.5	36	58	4/16	1	34
LA01139D-56-7-3	Public	72.8	—	—	27	60	4/14	1	34
DB2150	Dixie Bell	72.2	69.0	70.9	34	58	4/16	1	40
DK 9577	Delta King	72.0	69.9	74.2	27	59	4/21	1	37
Progeny 185	Progeny	71.1	66.4	71.0	28	58	4/20	1	39
AGS 2035	AGS	70.3	71.0	79.6	42	60	4/17	1	35
Progeny 117	Progeny	70.0	67.4	70.4	29	57	4/17	1	38
HBK 3266	HBK	69.7	68.7	75.2	27	59	4/17	1	36
Terral TV8558	Terral	69.0	65.6	69.6	26	59	4/22	1	34
DK 9318	Delta King	68.8	68.4	—	35	58	4/18	1	37
Terral LA821	Terral	67.5	61.5	66.9	25	57	4/15	1	35
AGS 2026	AGS	67.0	59.0	—	31	59	4/18	1	33
Delta Grow 5000	Delta Grow	66.8	—	—	27	57	4/15	1	31
Coker 9804	Syngenta	66.6	64.5	70.4	28	58	4/18	1	37
DK 9108	Delta King	66.5	61.7	64.0	32	59	4/19	1	37
Dixie 940	Dixie	65.9	59.9	—	31	58	4/21	1	38
USG 3452	USG	65.0	—	—	27	58	4/20	1	38
Oglethorpe	Dyna-Gro	61.3	58.8	—	28	58	4/16	1	30
DB2100	Dixie Bell	61.2	59.9	68.4	25	56	4/21	1	36
VA05W-258	Public	42.9			29	58	4/21	1	36
Overall Mean		76.7							
LSD (.10)		11.5							
Error degrees of freedom		189							
CV (%)		12.9							
R^2 (%)		51.5							

[1]Planted November 13, 2009 Harvested June 3, 2010 Soil fertility: pH=6.2; P=M; K=M
Fertilizer added: N @120 lb/A (46-0-0) on March 1, 2010 Previous crop: Corn
[2]See "Procedures" for a description of lodging scores.

Table 9. Yields of 64 wheat varieties at MAFES Delta Branch, Stoneville (Tunica silty clay soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
USG 3201	USG	69.7	—	—	—	62	4/16	1	31
JGL Exp 60172	JGL	69.7	—	—	—	59	4/16	1	31
USG 3438	USG	68.5	—	—	—	59	4/16	1	30
Terral TV8558	Terral	67.1	60.6	66.2	—	59	4/16	1	32
AGS 2026	AGS	65.5	59.5	—	—	59	4/12	1	32
Terral TVX8861	Terral	65.3	—	—	—	60	4/17	1	31
Pioneer variety 26R22	Pioneer	65.1	62.0	69.1	—	59	4/16	1	30
LA01110D-84-1	Public	65.0	64.1	—	—	62	4/10	1	33
LA01139D-56-7-3	Public	64.8	—	—	—	59	4/12	1	31
Pioneer variety 26R87	Pioneer	64.0	60.4	66.8	—	61	4/11	1	31
Dixie 454	Dixie	63.8	60.1	67.6	—	60	4/16	1	31
Dixie 940	Dixie	63.4	58.0	—	—	58	4/14	1	34
LA01139-D-86-6-2	Public	63.1	—	—	—	60	4/13	1	34
GA-001170-7E26	Public	63.1	—	—	—	61	4/13	1	29
Pioneer variety 26R15	Pioneer	62.9	60.2	68.2	—	60	4/17	1	33
Terral TV8589	Terral	62.7	58.4	66.6	—	56	4/15	1	35
Oakes	Syngenta	62.6	59.8	—	—	62	4/16	1	31
JGL Exp 72562	JGL	62.3	—	—	—	57	4/17	1	31
MAGNOLIA	Syngenta	62.2	61.6	68.3	—	61	4/16	1	34
ARCADIA	Syngenta	61.8	—	—	—	61	4/12	1	32
HBK 3266	HBK	61.6	62.6	69.8	—	60	4/13	1	33
USG 3120	USG	61.5	65.5	—	—	60	4/12	1	33
Pioneer variety 26R20	Pioneer	61.4	63.6	—	—	58	4/18	1	32
Coker 9804	Syngenta	61.2	63.8	70.7	—	60	4/14	1	32
USG 3452	USG	60.9	—	—	—	59	4/15	1	34
Terral LA821	Terral	60.8	62.1	70.2	—	59	4/12	1	34
Progeny 117	Progeny	60.7	60.7	68.6	—	59	4/14	1	34
Dixie 907	Dixie	60.5	57.7	64.2	—	60	4/16	1	35
AGS 2035	AGS	60.4	61.4	70.3	—	60	4/13	1	37
VA05W-258	Public	60.4	—	—	—	58	4/15	1	34
Delta Grow 5900	Delta Grow	60.2	—	—	—	60	4/18	1	33
Terral LA841	Terral	59.9	59.2	68.1	—	58	4/12	1	32
Beretta	Syngenta	59.8	53.9	63.4	—	56	4/17	1	31
LA01110D-150	Public	59.5	62.2	—	—	58	4/11	1	32
VA Merl	Public	59.4	55.6	—	—	60	4/15	1	31
Delta Grow 8300	Delta Grow	59.1	—	—	—	59	4/16	1	32
Terral TVX8581	Terral	59.1	—	—	—	59	4/13	1	33
Armor ARX 9304	Armor	59.0	—	—	—	58	4/16	1	27
JGL Exo 51585	JGL	58.9	—	—	—	59	4/16	1	33
Progeny 166	Progeny	58.5	59.2	66.7	—	59	4/16	1	35
USG 3555	USG	58.5	59.1	67.9	—	57	4/14	1	27
USG 3295	USG	58.1	59.6	67.6	—	59	4/13	1	28
Oglethorpe	Dyna-Gro	58.1	60.1	—	—	59	4/11	1	31
VA Jamestown	Public	58.0	53.3	62.9	—	60	4/12	1	30
DK 9108	Delta King	57.9	52.3	61.4	—	60	4/14	1	33
DB2150	Dixie Bell	57.8	58.3	66.3	—	58	4/15	1	36
Baldwin	Dyna-Gro	57.7	60.9	70.0	—	58	4/17	1	32
DK 9318	Delta King	57.6	59.0	—	—	59	4/13	1	33
AGS 2060	AGS	57.6	58.4	71.2	—	54	4/14	1	36
Delta Grow 5000	Delta Grow	57.6	—	—	—	57	4/11	1	31
GA-031238-7E34	Public	56.9	—	—	—	58	4/13	1	29
Coker 9553	Syngenta	56.9	58.0	65.5	—	61	4/13	1	33
USG 3665	USG	56.5	55.6	62.2	—	59	4/15	1	30
Dixie 427	Dixie	56.2	61.8	70.5	—	61	4/13	1	32
LA0110D-84-2	Public	56.1	—	—	—	51	4/12	1	34
LA01129D-139-3	Public	56.1	—	—	—	60	4/12	1	34
DB2100	Dixie Bell	55.8	53.4	64.7	—	58	4/16	1	34
Delta Grow 1600	Delta Grow	55.6	56.7	63.1	—	59	4/16	1	32
DK 9577	Delta King	55.3	57.7	66.2	—	58	4/15	1	31
DB7440	Dixie Bell	55.2	59.3	66.9	—	59	4/15	1	36
Progeny 185	Progeny	54.8	58.5	65.1	—	57	4/15	1	32
USG 3209	USG	53.3	52.8	62.8	—	59	4/14	1	27
Progeny 125	Progeny	51.5	—	—	—	58	4/10	1	29
DB 2125	Dixie Bell	49.2	53.2	61.3	—	57	4/15	1	35

Continued.

Table 9 (continued). Yields of 64 wheat varieties at MAFES Delta Branch, Stoneville (Tunica silty clay soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Overall Mean		60.0							
LSD (.10)		5.2							
Error degrees of freedom		189							
CV (%)		7.5							
R^2 (%)		56.9							

[1]Planted November 12, 2009 Harvested June 8, 2010 Soil fertility: pH=6.5; P=M; K=M
Fertilizer added: N @ 110 lb/A (33-0-0) on March 10, 2010 Herbicide: None Previous crop: Soybeans
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 10. Yields of 64 wheat varieties at MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Terral TVX8861	Terral	71.9	—	—	—	59	4/23	1	34
LA01110D-150	Public	71.0	64.6	—	—	56	4/16	1	32
Pioneer variety 26R22	Pioneer	70.7	68.7	63.9	—	55	4/19	1	36
USG 3201	USG	67.8	—	—	—	57	4/21	1	34
Coker 9553	Syngenta	67.3	66.3	65.8	—	60	4/16	1	37
AGS 2035	AGS	66.6	62.5	63.7	—	53	4/14	1	37
LA0110D-84-2	Public	66.4	—	—	—	58	4/14	1	33
ARCADIA	Syngenta	66.2	—	—	—	59	4/12	1	32
USG 3438	USG	65.8	—	—	—	56	4/19	1	35
DK 9577	Delta King	64.3	65.6	64.4	—	59	4/16	1	33
GA-001170-7E26	Public	64.1	—	—	—	56	4/14	1	31
JGL Exp 72562	JGL	64.0	—	—	—	55	4/23	1	33
USG 3120	USG	63.9	61.9	—	—	56	4/14	1	35
Progeny 166	Progeny	63.9	66.0	64.4	—	57	4/19	1	39
LA01139-D-86-6-2	Public	63.8	—	—	—	57	4/12	1	34
Terral TVX8581	Terral	63.4	—	—	—	55	4/14	1	36
Terral TV8558	Terral	62.5	59.9	58.5	—	58	4/19	1	38
JGL Exo 51585	JGL	62.3	—	—	—	58	4/21	1	35
JGL Exp 60172	JGL	62.3	—	—	—	48	4/21	1	32
Armor ARX 9304	Armor	62.2	—	—	—	59	4/19	1	36
HBK 3266	HBK	62.2	67.0	67.9	—	55	4/21	1	28
DK 9318	Delta King	61.9	62.7	—	—	58	4/14	1	35
AGS 2026	AGS	61.6	46.2	—	—	56	4/14	1	36
Pioneer variety 26R87	Pioneer	61.6	61.7	66.7	—	61	4/14	1	34
Progeny 125	Progeny	61.6	—	—	—	54	4/14	1	33
LA01139D-56-7-3	Public	61.6	—	—	—	48	4/12	1	32
GA-031238-7E34	Public	61.5	—	—	—	57	4/12	1	30
Dixie 454	Dixie	61.4	61.3	63.0	—	59	4/19	1	38
Terral LA821	Terral	61.3	56.1	56.3	—	57	4/16	1	37
Delta Grow 5000	Delta Grow	61.3	—	—	—	56	4/12	1	32
Baldwin	Dyna-Gro	61.2	66.0	66.0	—	53	4/19	1	37
MAGNOLIA	Syngenta	61.1	62.8	64.2	—	58	4/21	1	38
AGS 2060	AGS	60.9	62.4	64.9	—	62	4/16	1	41
Terral TV8589	Terral	60.9	60.3	56.9	—	59	4/19	1	40
Oakes	Syngenta	60.5	66.2	—	—	57	4/16	1	34
LA01110D-84-1	Public	60.5	51.1	—	—	47	4/14	1	33
Pioneer variety 26R20	Pioneer	59.3	65.1	—	—	59	4/23	1	37
VA Merl	Public	59.1	61.9	—	—	54	4/14	1	30
Delta Grow 8300	Delta Grow	58.9	—	—	—	56	4/19	1	35
Delta Grow 5900	Delta Grow	58.8	—	—	—	58	4/21	1	37
VA Jamestown	Public	58.6	53.9	55.0	—	56	4/12	1	33
USG 3295	USG	58.6	62.7	66.3	—	55	4/14	1	31
Dixie 427	Dixie	58.2	61.9	60.2	—	55	4/16	1	36

Continued.

Table 10 (cont.). Yields of 64 wheat varieties at MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Pioneer variety 26R15	Pioneer	58.0	60.0	60.4	—	56	4/19	1	37
Terral LA841	Terral	57.9	50.5	55.1	—	55	4/14	1	33
Coker 9804	Syngenta	57.4	67.1	62.8	—	56	4/19	1	35
Progeny 185	Progeny	57.1	62.3	65.0	—	55	4/19	1	36
LA01129D-139-3	Public	56.1	—	—	—	54	4/16	1	34
USG 3665	USG	56.0	59.3	60.5	—	58	4/21	1	37
Progeny 117	Progeny	55.8	58.4	58.4	—	55	4/12	1	34
Dixie 907	Dixie	55.5	56.9	57.3	—	56	4/19	1	38
USG 3209	USG	55.4	51.9	53.2	—	55	4/19	1	31
USG 3555	USG	55.2	62.4	66.4	—	56	4/19	1	31
Delta Grow 1600	Delta Grow	55.0	57.3	56.6	—	57	419	1	37
DB7440	Dixie Bell	53.3	57.0	53.4	—	58	4/12	1	37
DK 9108	Delta King	53.0	47.4	50.2	—	54	4/16	1	38
VA05W-258	Public	53.0	—	—	—	57	4/16	1	38
DB2150	Dixie Bell	52.7	55.3	52.0	—	49	4/14	1	38
USG 3452	USG	51.7	—	—	—	55	4/19	1	40
DB 2125	Dixie Bell	51.3	56.0	56.3	—	55	4/19	1	37
Oglethorpe	Dyna-Gro	50.4	37.0	—	—	56	4/16	1	32
Dixie 940	Dixie	49.8	57.4	—	—	58	4/12	1	37
DB2100	Dixie Bell	49.8	54.6	56.2	—	56	4/19	1	36
Beretta	Syngenta	43.0	50.6	54.0	—	57	4/21	1	33
Overall Mean		59.8							
LSD (.10)		8.3							
Error degrees of freedom		189							
CV (%)		11.8							
R^2 (%)		46.6							

[1]Planted November 7, 2009 Harvested June 1, 2010 Fertilizer added: N @ 100 lb/A (34-0-0) on February 18, 2010
Soil fertility: pH=6.5; P=H; K=H Herbicide: None Previous crop: Wheat
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 11. Yields of 64 wheat varieties at MAFES Brown Loam Branch, Raymond (Loring silt loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Pioneer variety 26R22	Pioneer	84.1	83.3	75.6	—	—	4/19	1	33
HBK 3266	HBK	81.5	73.6	68.4	—	—	4/16	1	35
Armor ARX 9304	Armor	79.3	—	—	—	—	4/21	1	29
JGL Exp 72562	JGL	78.3	—	—	—	—	4/22	1	33
Terral TVX8861	Terral	77.2	—	—	—	—	4/21	1	30
Pioneer variety 26R87	Pioneer	77.1	73.3	67.4	—	—	4/15	1	33
DK 9318	Delta King	76.9	65.2	—	—	—	4/12	1	34
USG 3438	USG	75.0	—	—	—	—	4/21	1	31
Baldwin	Dyna-Gro	73.8	74.7	67.8	—	—	4/21	1	33
AGS 2035	AGS	73.5	66.5	57.9	—	—	4/15	1	34
LA01139D-56-7-3	Public	73.1	—	—	—	—	4/15	1	32
Coker 9553	Syngenta	73.0	66.6	60.7	—	—	4/15	1	32
JGL Exo 51585	JGL	72.5	—	—	—	—	4/19	1	31
JGL Exp 60172	JGL	71.9	—	—	—	—	4/21	1	33
Pioneer variety 26R15	Pioneer	71.4	75.1	71.8	—	—	4/19	1	32
Terral TV8558	Terral	71.2	71.1	70.1	—	—	4/16	1	30
Pioneer variety 26R20	Pioneer	69.0	69.2	—	—	—	4/21	1	35
ARCADIA	Syngenta	68.9	—	—	—	—	4/12	1	32
Terral TV8589	Terral	67.1	66.1	69.3	—	—	4/19	1	34
Terral LA841	Terral	66.7	55.3	51.0	—	—	4/12	1	28
GA-031238-7E34	Public	66.5	—	—	—	—	4/16	1	26

Continued.

Table 11 (continued). Yields of 64 wheat varieties at MAFES Brown Loam Branch, Raymond (Loring silt loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
LA01110D-84-1	Public	66.1	52.9	—	—	—	4/15	1	35
LA01110D-150	Public	65.8	51.7	—	—	—	4/15	1	34
LA01129D-139-3	Public	65.7	—	—	—	—	4/19	1	36
GA-001170-7E26	Public	65.6	—	—	—	—	4/15	1	31
Delta Grow 1600	Delta Grow	65.4	68.7	68.5	—	—	4/19	1	35
Delta Grow 8300	Delta Grow	65.4	—	—	—	—	4/19	1	33
Progeny 117	Progeny	64.7	63.7	61.2	—	—	4/15	2	35
LA01139-D-86-6-2	Public	64.4	—	—	—	—	4/15	1	34
Terral LA821	Terral	64.4	52.2	54.9	—	—	4/12	1	34
Dixie 907	Dixie	64.2	66.2	67.6	—	—	4/21	1	30
USG 3120	USG	63.5	55.8	—	—	—	4/12	1	32
Coker 9804	Syngenta	62.9	67.7	67.3	—	—	4/15	1	27
Oakes	Syngenta	62.4	74.6	—	—	—	4/19	1	33
VA05W-258	Public	61.9	—	—	—	—	4/19	1	32
MAGNOLIA	Syngenta	61.4	64.4	58.0	—	—	4/16	1	35
AGS 2060	AGS	61.2	50.2	48.1	—	—	4/16	1	33
USG 3201	USG	61.0	—	—	—	—	4/21	1	32
Terral TVX8581	Terral	60.8	—	—	—	—	4/15	1	35
LA0110D-84-2	Public	59.8	—	—	—	—	4/15	1	34
USG 3665	USG	59.5	66.9	67.8	—	—	4/19	1	33
USG 3209	USG	59.5	54.1	52.6	—	—	4/16	1	26
USG 3295	USG	59.2	68.3	68.7	—	—	4/16	1	29
VA Jamestown	Public	59.1	54.6	51.9	—	—	4/15	1	28
Beretta	Syngenta	59.0	65.9	66.4	—	—	4/19	1	31
USG 3555	USG	58.3	64.9	63.3	—	—	4/19	1	28
Dixie 454	Dixie	58.1	66.7	68.1	—	—	4/21	1	33
Progeny 166	Progeny	57.5	68.8	70.3	—	—	4/19	1	34
Dixie 427	Dixie	56.4	66.3	68.4	—	—	4/19	1	30
Dixie 940	Dixie	54.9	67.5	—	—	—	4/16	1	32
Oglethorpe	Dyna-Gro	54.3	47.1	—	—	—	4/15	1	28
VA Merl	Public	54.3	70.0	—	—	—	4/19	1	30
AGS 2026	AGS	53.1	49.9	—	—	—	4/12	1	30
Progeny 125	Progeny	52.9	—	—	—	—	4/12	1	29
DB2150	Dixie Bell	52.1	53.2	56.0	—	—	4/15	1	36
USG 3452	USG	51.9	—	—	—	—	4/16	1	37
DB 2125	Dixie Bell	51.7	56.0	59.1	—	—	4/19	1	37
Progeny 185	Progeny	51.2	63.7	63.5	—	—	4/19	1	30
DK 9577	Delta King	49.6	60.1	63.4	—	—	4/16	1	31
Delta Grow 5900	Delta Grow	49.2	—	—	—	—	4/22	2	32
DB7440	Dixie Bell	49.2	58.8	59.8	—	—	4/15	1	34
DB2100	Dixie Bell	48.3	57.0	61.3	—	—	4/19	1	32
Delta Grow 5000	Delta Grow	46.8	—	—	—	—	4/12	1	31
DK 9108	Delta King	45.9	46.0	49.1	—	—	4/15	1	35
Overall Mean		63.2							
LSD (.10)		11.5							
Error degrees of freedom		189							
CV (%)		15.5							
R^2 (%)		56.5							

[1]Planted November 11, 2009 Harvested June 11, 2010 Fertilizer added: N @ 92 lb/A (46-0-0) on March 18, 2010
Soil fertility: pH=6.0; P=M; K=H Herbicide: None Previous crop: Corn
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 12. Yields of 64 wheat varieties at Michael Walker Farm, Schlater (Dubbs loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Pioneer variety 26R22	Pioneer	97.7	76.8	—	34	58	4/22	1	35
AGS 2060	AGS	93.7	77.6	—	37	62	4/19	1	42
USG 3201	USG	92.7	—	—	32	61	4/22	1	33
JGL Exp 60172	JGL	91.6	—	—	27	58	4/19	1	33
Terral TVX8861	Terral	91.0	—	—	36	61	4/26	1	36
Pioneer variety 26R87	Pioneer	88.9	77.4	—	43	62	4/19	1	34
USG 3438	USG	88.5	—	—	29	59	4/22	1	33
GA-001170-7E26	Public	88.1	—	—	37	60	4/19	1	36
Baldwin	Dyna-Gro	87.8	67.7	—	39	61	4/22	1	35
USG 3295	USG	87.3	74.2	—	33	58	4/19	1	31
Armor ARX 9304	Armor	86.3	—	—	31	59	4/26	1	34
AGS 2035	AGS	86.3	71.2	—	40	59	4/19	1	36
JGL Exp 72562	JGL	86.2	—	—	33	57	4/26	3	35
Pioneer variety 26R15	Pioneer	86.0	70.8	—	33	59	4/22	1	35
USG 3120	USG	85.8	77.0	—	39	60	4/19	1	35
Coker 9553	Syngenta	85.4	77.4	—	35	59	4/19	1	37
GA-031238-7E34	Public	85.1	—	—	24	55	4/19	1	32
JGL Exo 51585	JGL	84.8	—	—	27	60	4/19	1	37
Pioneer variety 26R20	Pioneer	84.7	68.0	—	32	61	4/26	2	40
Dixie 454	Dixie	83.9	73.2	—	31	60	4/22	1	37
Delta Grow 8300	Delta Grow	83.4	—	—	31	60	4/22	1	33
DK 9318	Delta King	83.0	73.4	—	32	58	4/19	1	32
Dixie 907	Dixie	81.5	66.6	—	31	58	4/26	1	41
Terral TV8558	Terral	81.2	70.1	—	28	58	4/19	1	36
USG 3452	USG	81.2	—	—	36	59	4/19	1	42
Progeny 185	Progeny	80.7	68.9	—	29	59	4/22	1	35
VA Jamestown	Public	80.2	76.1	—	27	57	4/19	1	32
USG 3555	USG	80.2	73.2	—	36	57	4/19	1	29
LA01139-D-86-6-2	Public	79.6	—	—	35	60	4/19	1	35
LA01110D-150	Public	79.6	71.6	—	42	59	4/19	1	33
Oakes	Syngenta	79.0	68.7	—	30	60	4/22	1	38
Coker 9804	Syngenta	78.8	64.6	—	29	58	4/19	1	37
VA Merl	Public	78.7	69.9	—	32	60	4/19	1	33
ARCADIA	Syngenta	78.4	—	—	34	60	4/19	1	34
Progeny 125	Progeny	78.1	—	—	29	56	4/19	1	31
DB7440	Dixie Bell	78.0	68.7	—	34	59	4/19	1	43
Delta Grow 1600	Delta Grow	77.7	63.5	—	28	58	4/22	2	38
Terral TV8589	Terral	77.6	64.6	—	28	57	4/22	1	40
USG 3209	USG	77.5	62.9	—	31	58	4/19	1	30
Progeny 166	Progeny	77.3	69.4	—	33	60	4/22	2	42
Delta Grow 5000	Delta Grow	77.3		—	24	55	4/15	1	34
USG 3665	USG	77.2	64.2	—	26	58	4/22	1	38
MAGNOLIA	Syngenta	77.1	64.7	—	36	59	4/22	1	35
HBK 3266	HBK	76.8	66.1	—	32	59	4/19	1	30
DB 2125	Dixie Bell	76.0	66.1	—	31	59	4/22	1	44
Dixie 940	Dixie	75.7	71.2	—	30	58	4/19	1	43
Delta Grow 5900	Delta Grow	75.3		—	32	60	4/26	2	40
Oglethorpe	Dyna-Gro	75.1	66.3	—	31	55	4/19	1	28
Beretta	Syngenta	74.9	61.9	—	31	59	4/26	1	34
Progeny 117	Progeny	73.3	64.0	—	30	57	4/19	2	38
AGS 2026	AGS	73.3	63.9	—	32	56	4/19	2	31
DK 9577	Delta King	72.8	64.4	—	26	57	4/19	1	35
Dixie 427	Dixie	72.5	63.9	—	27	55	4/19	1	35
Terral TVX8581	Terral	72.4		—	32	57	4/19	1	36
LA0110D-84-2	Public	72.1		—	37	59	4/19	1	36
Terral LA821	Terral	72.1	61.1	—	27	57	4/15	1	35
LA01129D-139-3	Public	71.7		—	35	60	4/22	3	36
DK 9108	Delta King	71.3	65.1	—	38	59	4/19	1	42
DB2150	Dixie Bell	71.0	63.6	—	28	59	4/19	1	46
Terral LA841	Terral	70.3	66.5	—	29	57	4/19	2	33
LA01110D-84-1	Public	68.4	63.7	—	35	58	4/19	1	36
VA05W-258	Public	67.9		—	27	56	4/19	3	35
LA01139D-56-7-3	Public	65.8		—	27	58	4/19	1	34
DB2100	Dixie Bell	60.2	53.8	—	28	58	4/19	2	36

Continued.

Table 12 (continued). Yields of 64 wheat varieties at Michael Walker Farm, Schlater (Dubbs loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight	Test weight	Date headed	Lodging score[2]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Overall Mean		79.6							
LSD (.10)		10.0							
Error degrees of freedom		189							
CV (%)		10.7							
R^2 (%)		51.0							

[1]Planted November 6, 2008 Harvested June 7, 2010 Soil fertility: pH=6.8; P=H+; K=H
Fertilizer added: N + P @ 100 lb/A (18-46-0) on November 20, 2009; N @100 lb/A (46-0-0) on February 18, 2010; N + S @ 50 lb/A (12-0-0-24S) on February 18, 2010; N @ 150 lb/A (46-0-0) on March 15, 2010
Herbicide: Osprey @ 4.75 oz/A + Harmony Extra SG @ 0.5 oz/A on January 27, 2010 Previous crop: Soybeans
[2]See "Procedures" for a description of lodging scores.

Table 13. Average number of wheat seeds per pound.

Brand/Variety	2009-10 average	2-year average	Brand/Variety	2009-10 average	2-year average
	seeds/lb	*seeds/lb*		*seeds/lb*	*seeds/lb*
AGS 2026	12,949	12,672	Syngenta Coker 9553	11,975	13,058
AGS 2035	11,128	10,386	Syngenta Coker 9804	15,292	16,063
AGS 2060	10,461	10,698	Syngenta ARCADIA	16,764	—
Armor ARX 9304 (Exp.)	12,585	—	Terral LA821	12,497	12,105
Delta Grow 1600	15,010	16,538	Terral LA841	13,695	13,230
Delta Grow 5000	15,866	—	Terral TV8558	15,470	15,232
Delta Grow 5900	12,563	—	Terral TV8589	14,005	13,872
Delta Grow 8300	13,567	—	Terral TVX 8581 (Exp.)	13,259	—
Delta King DK 9108	12,963	12,681	Terral TVX 8861 (Exp.)	13,431	—
Delta King DK 9318	11,205	10,535	USG 3201	10,393	—
Delta King DK 9577	16,198	15,674	USG 3209	11,936	11,302
Dixie 427	15,361	14,312	USG 3295	11,955	12,268
Dixie 454	12,416	12,465	USG 3438	13,781	—
Dixie 907	14,431	14,063	USG 3452	12,729	—
Dixie 940	13,834	13,329	USG 3555	11,656	11,276
Dixie Bell DB2100	14,407	13,762	USG 3665	14,657	13,173
Dixie Bell DB2125	15,247	13,736	VA Jamestown	14,880	13,568
Dixie Bell DB2150	14,993	13,475	VA Merl	12,020	11,769
Dixie Bell DB7440	14,034	13,055	VA05W-258 (Exp.)	10,886	—
Dyna-Gro Baldwin	12,878	11,191	Progeny 117	11,814	11,950
Dyna-Gro Oglethorpe	12,642	11,892	Progeny 125	15,922	—
GA-001170-7E26 (Exp.)	12,018	—	Progeny 166	12,382	12,741
GA-031238-7E34 (Exp.)	15,004	—	Progeny 185	13,266	12,766
USG 3120	10,365	10,004	Syngenta Beretta	15,906	17,120
HBK 3266	15,286	14,030	Syngenta MAGNOLIA	12,516	16,028
JGL Exp 51585 (Exp.)	13,963	—	Syngenta Oakes	15,068	16,090
JGL Exp 60172 (Exp.)	16, 139	—	Syngenta Coker 9553	11,975	13,058
JGL Exp 72562 (Exp.)	13,453	—	Syngenta Coker 9804	15,292	16,063
LA01110D-150 (Exp.)	9,750	9,311	Syngenta ARCADIA	16,764	—
LA01110D-84-1 (Exp.)	9,858	10,134	Terral LA821	12,497	12,105
LA01110D-84-2 (Exp.)	11,940	—	Terral LA841	13,695	13,230
LA01139D-56-7-3 (Exp.)	11,984	—	Terral TV8558	15,470	15,232
LA01139D-86-6-2 (Exp.)	12,522	—	Terral TV8589	14,005	13,872
LA01129D-139-3 (Exp.)	10,827	—	Terral TVX 8581 (Exp.)	13,259	—
Pioneer variety 26R15	12,055	13,292	Terral TVX 8861 (Exp.)	13,431	—
Pioneer variety 26R22	12,201	12,113	USG 3201	10,393	—
Pioneer variety 26R87	8,925	8,972	USG 3209	11,936	11,302
Pioneer variety 26R20	12,771	12,132	USG 3295	11,955	12,268
Progeny 117	11,814	11,950	USG 3438	13,781	—
Progeny 125	15,922	—	USG 3452	12,729	—
Progeny 166	12,382	12,741	USG 3555	11,656	11,276
Progeny 185	13,266	12,766	USG 3665	14,657	13,173
Syngenta Beretta	15,906	17,120	VA Jamestown	14,880	13,568
Syngenta MAGNOLIA	12,516	16,028	VA Merl	12,020	11,769
Syngenta Oakes	15,068	16,090	VA05W-258 (Exp.)	10,886	—

Table 14. Average number of oat seeds per pound.

Brand/Variety	2009-10 average	2-year average	Brand/Variety	2009-10 average	2-year average
	seeds/lb	*seeds/lb*		*seeds/lb*	*seeds/lb*
FL991153FBS-45-1	15,465	15,610	LA03063SB-S4(Exp.)	15,099	14,631
LA03046SBS7-B-S1 (Exp.)	16,208	16,278	Horizon 201	13,486	13,897
LA97006GSB-59-2-4 (Exp.)	16,506	15,975	Horizon 270	12,702	13,851

Table 15. 2010 yield summary of oat variety trials in Mississippi.

Variety	Brand	Brooksville	Newton	Raymond	Stoneville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Horizon 201	Plantation Seed	63.7	64.6	109.7	107.8	86.5
Horizon 270	Plantation Seed	75.0	72.0	79.6	106.3	83.2
FL99153FBS-45-1	Public	55.2	60.3	92.2	105.8	78.4
LA03046SBS7-B-S1	Public	59.5	60.7	85.9	102.4	77.1
LA03063-SB-S4	Public	53.3	63.1	61.1	104.2	70.4
LA97006GSB-59-2-4	Public	72.2	66.9	76.8	98.2	78.5
Overall Mean		63.2	64.6	84.2	104.1	79.0
LSD (.10)		7.2	10.4	9.3	12.3	9.8
Error degrees of freedom		15.0	15.0	15.0	15.0	15.0
CV (%)		9.1	13.0	14.1	9.5	11.4
R^2		82.0	54.1	74.4	42.4	63.2

Table 16. Two-year yield summary of oat variety trials in Mississippi.

Variety	Brand	Brooksville	Newton	Raymond	Stoneville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Horizon 201	Plantation Seed	101.1	58.9	98.0	105.4	90.9
Horizon 270	Plantation Seed	99.2	76.6	76.2	109.0	90.3
FL99153FBS-45-1	Public	85.8	63.6	77.5	102.6	82.4
LA03046SBS7-B-S1	Public	96.8	79.1	82.7	106.8	91.3
LA03063-SB-S4	Public	87.6	54.3	61.4	109.2	78.1
LA97006GSB-59-2-4	Public	102.1	77.3	88.0	103.6	92.8
Overall mean		95.4	68.3	80.6	106.1	87.6

Table 17. 3-year yield summary of oat variety trials in Mississippi.

Variety	Brand	Brooksville	Newton	Raymond	Stoneville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Horizon 201	Plantation Seed	102.0	54.8	102.0	78.4	84.3
Horizon 270	Plantation Seed	101.2	69.4	101.2	85.3	89.2
Overall Mean		101.6	62.1	101.6	81.9	86.8

Table 18. Yields of six oat varieties at MAFES Black Belt Branch, Brooksville (Brooksville silt clay soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Horizon 270	Plantation Seed	75.0	99.2	101.2	—	34	4/24	1	30
LA97006GSB-59-2-4	Public	72.2	102.1	—	—	34	4/28	1	30
Horizon 201	Plantation Seed	63.7	101.1	102.0	—	33	4/21	1	33
LA03046SBS7-B-S1	Public	59.5	96.8	—	—	33	4/28	1	30
FL99153FBS-45-1	Public	55.2	85.8	—	—	34	4/24	1	31
LA03063-SB-S4	Public	53.3	87.6	—	—	32	4/22	1	28
Overall mean		63.2	95.4	101.6					
LSD (.10)		7.2							
Error degrees of freedom		15.0							
CV (%)		9.1							
R^2 (%)		82.0							

[1]Planted November 16, 2009 Harvested June 9, 2010 Soil fertility: pH=6.6; P=M; K=M
Fertilizer added: Topdress — N @ 60 lb/A (33-0-0) on February 25 2010; N @ 20 lb/A (33-0-0) on March 30, 2010
Herbicide: Harmony Extra SG @ 0.6 oz/A on March 16, 2010 Previous crop: Oats
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 19. Yields of six oat varieties at MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Horizon 270	Plantation Seed	72.0	76.6	69.4	—	32	4/17	1	38
LA97006GSB-59-2-4	Public	66.9	77.3	—	—	32	4/23	1	36
Horizon 201	Plantation Seed	64.6	58.9	54.8	—	30	4/16	1	45
LA03063-SB-S4	Public	63.1	54.3	—	—	31	4/16	1	35
LA03046SBS7-B-S1	Public	60.7	79.1	—	—	32	4/21	1	38
FL99153FBS-45-1	Public	60.3	63.6	—	—	35	4/19	1	36
Overall mean		64.6	68.3	62.1					
LSD (.10)		10.4							
Error degrees of freedom		15							
CV (%)		13							
R^2 (%)		54.1							

[1]Planted November 7, 2009 Harvested June 1, 2010 Soil fertility: pH=6.5; P=H; K=H
Fertlizer added: N @ 80 lb/A (34-0-0) on February 18, 2010 Previous crop: Oats
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 20. Yields of six oat varieties at MAFES Brown Loam Branch, Raymond (Loring silt loam soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Horizon 201	Plantation Seed	109.7	98.0	84.8	—	28	4/16	4	32
FL99153FBS-45-1	Public	92.2	77.5	—	—	30	4/16	4	28
LA03046SBS7-B-S1	Public	85.9	82.7	—	—	26	4/19	2	29
Horizon 270	Plantation Seed	79.6	76.2	77.9	—	21	4/19	5	29
LA97006GSB-59-2-4	Public	76.8	88.0	—	—	18	4/19	2	28
LA03063-SB-S4	Public	61.1	61.4	—	—	18	4/12	1	30
Overall Mean		84.2	80.6	81.3					
LSD (.10)		9.3							
Error degrees of freedom		15.0							
CV (%)		14.1							
R^2 (%)		74.4							

[1]Planted November 11, 2009 Harvested June 11, 2010 Fertilizer added: N @ 92 lb/A (46-0-0) on March 18, 2010
Soil fertility: pH=6.0; P=M; K=H Previous crop: Corn
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

Table 21. Yields of 6 oat varieties at MAFES Delta Branch, Stoneville (Tunica silty clay soil).[1]

Variety	Brand	2009-10 yield	2-year avg.	3-year avg.	Seed weight[2]	Test weight	Date headed	Lodging score[3]	Plant Height
		bu/A	*bu/A*	*bu/A*	*g/1000*	*lb/bu*			*in*
Horizon 201	Plantation Seed	107.8	105.4	114.9	—	35	4/13	1	35
Horizon 270	Plantation Seed	106.3	109.0	111.3	—	34	4/15	1	32
FL99153FBS-45-1	Public	105.8	102.6	—	—	38	4/15	1	33
LA03063-SB-S4	Public	104.2	109.2	—	—	35	4/11	1	33
LA03046SBS7-B-S1	Public	102.4	106.8	—	—	35	4/16	1	35
LA97006GSB-59-2-4	Public	98.2	103.6	—	—	36	4/16	1	32
Overall Mean		104.1	106.1	113.1					
LSD (.10)		12.3							
Error degrees of freedom		15.0							
CV(%)		9.5							
R^2 (%)		42.4							

[1]Planted November 12, 2009 Harvested June 8, 2010 Soil fertility: pH=6.5; P=M; K=M
Fertilizer added: 110 lb N (33-0-0) Herbicide: None Previous crop: Soybeans
[2]Seed weight not available.
[3]See "Procedures" for a description of lodging scores.

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