



Mississippi
**WHEAT
& OAT**

VARIETY TRIALS, 2005



Experiment Station

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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 21-22.

Mississippi Wheat and Oat Variety Trials, 2005

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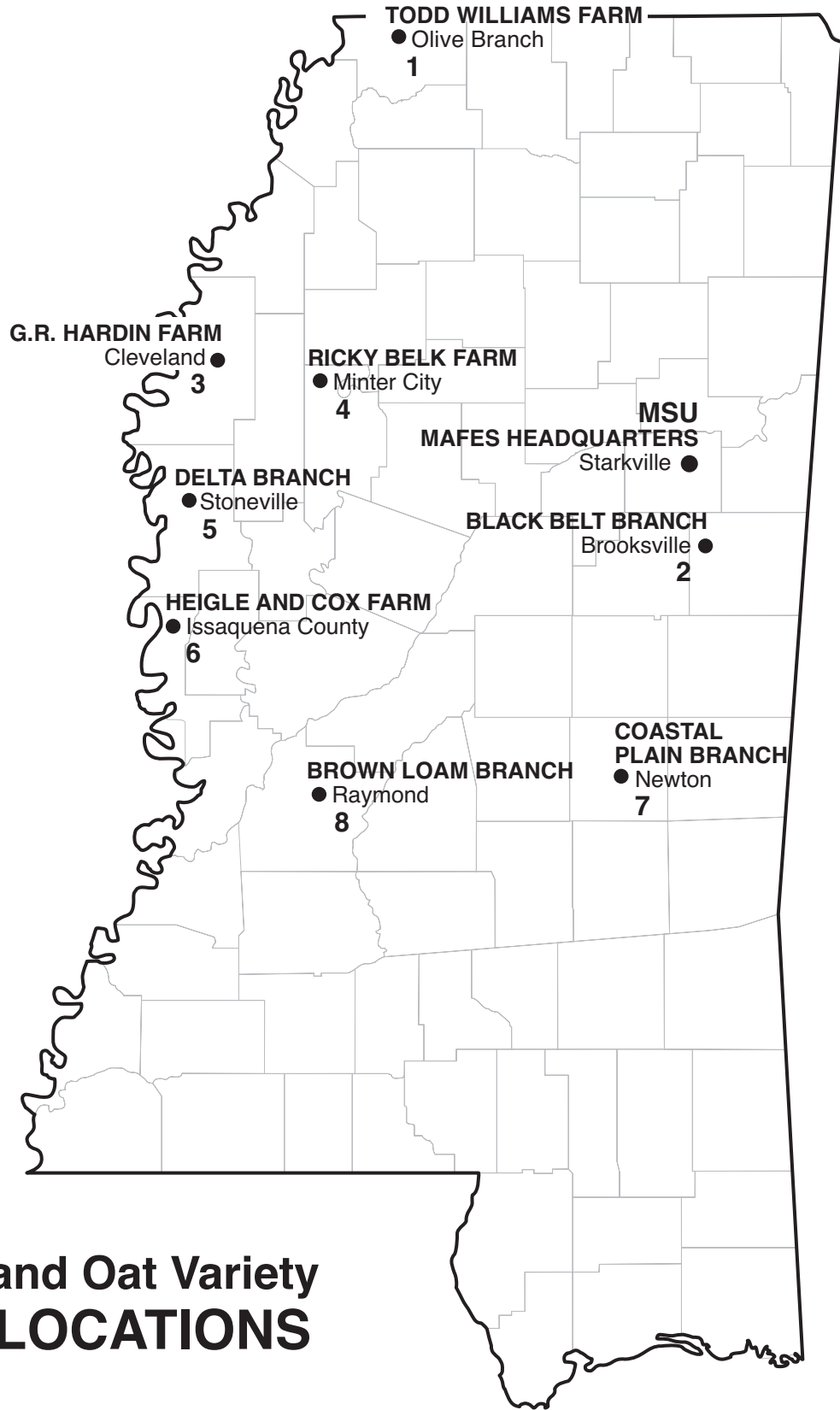
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Wheat and Oat Variety TEST LOCATIONS



Mississippi Wheat and Oat Variety Trials, 2005

INTRODUCTION

Small grains are grown throughout Mississippi. Wheat is the primary crop, followed by oats. Wheat and oat variety trials were conducted at seven locations in Mississippi in 2004-2005. Wheat yields typically range from 40 to 60 bushels per acre and often produce 60 to 80 bushels per acre under good management and favorable weather conditions. Oat yields from 50 to 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 inches apart.

Cultural Practices. Plots were limed and fertilized according to soil test recommendations. Foliar fungicides were not applied at branch stations to insure that varieties were evaluated under natural disease pressure. Fungicides at off-station locations were applied at producer discretion. Herbicides were applied as needed at each location for weed control.

Seed Source. Seed of all private entries were supplied by participating companies. Public varieties were selected by the Technical Advisory Committee. Seed 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 to 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% to 50% of plants down; 4 = all plants leaning considerably, or 50% to 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 to 2 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 to 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 to 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 to 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 should result in final plant stands of approximately 25 to 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 05
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. Wheat variety reactions to prevalent diseases during this growing season are reported in Table 10.

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. Wheat generally requires 2 pounds of nitrogen for each bushel of grain produced.

Apply approximately 25% of the nitrogen in the fall. If wheat is grown following corn, grain sorghum, or rice apply 30 to 40 pounds of nitrogen in the fall. Apply the balance of the nitrogen in the

spring after dormancy breaks but before the second node is visible, which generally occurs from mid-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 Extension Information Sheet 961, *Small Grains Production*.

USE OF DATA TABLES AND SUMMARY STATISTICS

The yield potential of a given variety cannot be measured 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 estimate 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:

<u>Variety</u>	<u>Yield</u>
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 an estimate of the amount of unexplained variation in a given trial. This unexplained variation can be the result of variation between plots, with respect to soil type, fertility, insects, diseases, drought stress, etc. Overall, the higher the CV, 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 for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered a better measure of precision than the CV for comparison of different trials.

WEATHER SUMMARY BY LOCATION

Location 1 – Todd Williams Farm, Olive Branch.

Wheat plots were planted and harvested. Weak stands in part of the plot area resulted in varying yields across all four replications; therefore, the statistical analysis indicated that data were too variable to provide useful variety comparison information. Thus, data from this location are not published.

Location 2 – Black Belt Branch, Brooksville.

Wheat and oat plots were planted into a moist seedbed after the field was harrowed with a field cultivator. The lower end of the plot area did not drain well, causing a thin stand in some plots. Weather conditions were normal during the growing season, and no extreme periods of cold or rain affected the crop. These conditions produced good yields. Stripe rust adversely affected some varieties, reducing yields. Harvest was completed on time with little delay.

Location 3 – G.R. Harden Farm, Cleveland.

After a wet November, it was cold in December and January. We experienced a very dry and mild spring. Stripe rust was a big problem on some plots, but no fungicides were applied. Harvest was delayed slightly by light showers.

Location 4 – Ricky Belk Farm, Minter City.

The wheat plots were planted on time into a good seedbed with good moisture. The wheat came up to a good stand in all plots. Surface drainage was good. Overall weather conditions were normal with the exception of cool, wet weather during late April. Although some rust was found in mid-March, that cool, wet weather probably was the cause of stripe rust exploding in a few varieties during May. Weed and insect pressure were minimal. Harvest was very timely.

Location 5 – Delta Branch, Stoneville. Did not plant due to wet field conditions.

Location 6 – Heigle & Cox Farm, Issaquena County.

Sufficient rain was received shortly after planting and the wheat came up to a good stand. Rain was plentiful throughout the growing season until mid-March. From mid-March to May, rain was very scattered with one final heavy rain of more than 3 inches the last weekend in May. Temperatures were average for the area throughout the growing season. Stripe rust severely infested susceptible varieties well prior to heading and likely reduced grain yields and seed weights of those varieties substantially.

Location 7 – Coastal Plain Branch, Newton.

The wheat and oat variety trials were planted into a seedbed that provided adequate moisture and good germination. Plant development was favorable during the good growing season. There were wet periods during March and April, but May was dry, and little disease was observed. There was little damage from birds, and harvest was accomplished in a timely manner. Although stripe rust greatly reduced yields in susceptible varieties, overall it was another good wheat and oat year.

Location 8 – Brown Loam Branch, Raymond.

Poor field drainage combined with wet weather led to a poor stand in some plots. Temperatures were moderate, while rainfall amounts were above normal. While deer still grazed the plots, the pressure was not as intense as last year. Significant levels of stripe rust and minimal levels of leaf rust and loose smut were observed.

Table 1. 2004-05 wheat yields at MAFES Black Belt Branch, Brooksville (Brooksville silty clay soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
Progeny 133	106.7	90.9	-	58	35	04/06	40	1
USG 3350	105.0	90.4	77.0	58	36	04/11	39	1
Terral TV8565	102.6	93.2	76.1	58	36	04/11	41	1
Progeny 110	100.7	91.1	75.1	58	34	04/08	40	1
Dixie 900	99.7	96.9	79.4	58	33	04/17	40	1
DK XTJ322	98.0	-	-	62	42	04/11	41	1
Armor AXR 5099	97.0	-	-	57	30	04/06	39	1
TV8502	96.9	88.9	73.1	58	32	04/11	39	1
Progeny 145	95.9	92.0	75.0	58	32	04/06	38	1
AgriPro Beretta	95.5	95.4	-	56	32	04/17	39	1
Vigoro V9513	95.1	-	-	58	33	04/08	41	1
UGA 96229-3A41	95.0	-	-	59	34	04/13	38	1
Progeny 166	94.8	88.6	71.4	58	34	04/08	40	1
Pioneer variety 26R15	94.8	95.1	-	57	33	04/08	37	1
AgriPro Natchez	94.0	87.5	72.5	57	40	04/08	43	1
Delta King 7900	92.6	82.9	70.0	57	32	04/11	43	1
DK 9577	92.5	93.2	-	57	30	04/11	39	1
Dixie 9512	90.7	96.0	77.9	57	30	04/11	41	1

Continued.

Table 1 (continued). 2004-05 wheat yields at MAFES Black Belt Branch, Brooksville (Brooksville silty clay soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield ²	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
LA95135D54-2-3-C	90.7	-	-	59	43	04/11	41	1
Progeny 156	90.5	81.2	69.1	58	32	04/06	41	1
Armor 3330	90.0	86.7	-	59	35	04/19	40	1
Pioneer variety 26R12	89.8	91.9	76.0	58	33	04/08	39	1
Terral TV8466	89.1	88.3	73.1	57	26	04/17	40	1
Delta Grow 4100	88.9	-	-	58	33	04/11	43	1
Dixie Bell DB2125	88.1	82.9	70.3	57	35	04/08	42	1
AgriPro Savage	88.0	84.9	70.2	58	30	04/11	41	1
Delta Grow 4500	87.6	89.2	74.1	58	32	04/11	42	1
Pioneer variety XW03X	87.5	-	-	57	32	04/08	38	1
Terral TVX83W479	87.1	-	-	58	30	04/11	35	1
Delta Grow 4200	86.5	88.5	73.7	58	34	04/08	42	1
Dixie Bell DB2150	86.5	93.3	76.7	58	33	04/08	42	1
USG 3592	86.4	88.3	-	58	35	04/11	40	1
Terral TV8450	86.2	83.0	70.0	57	32	04/11	38	1
UGA 951216-2E26	85.7	-	-	58	37	04/08	38	1
USG 3430	85.6	85.7	71.4	59	35	04/08	39	1
Dixie 9812	85.6	88.2	-	58	34	04/11	40	1
Delta King 9410	85.5	82.1	69.5	58	30	04/11	44	1
Armor AXR 5109	85.2	83.7	-	59	32	04/11	41	1
Armor AXR 5667	84.9	-	-	56	24	04/13	34	1
Progeny EK EXP 185	84.2	-	-	56	31	04/06	35	1
DK 7830	84.1	81.3	-	57	36	04/17	45	1
DK 7710	83.5	79.4	-	59	33	04/08	45	1
Delta King 9216	83.5	82.6	67.4	57	33	04/11	42	1
Armor AXR 5299	82.7	-	-	55	33	04/19	35	1
HBK 3266	82.7	92.3	-	58	34	04/11	38	1
Dixie Bell DB1170	82.4	88.4	72.8	58	32	04/11	46	1
Delta Grow 5200	82.4	-	-	58	30	04/11	41	1
Armor 2010	82.4	-	-	56	31	04/13	36	1
AgriPro APW742	81.7	-	-	58	37	04/08	37	1
AgriPro Panola	81.7	90.0	-	57	32	04/11	37	1
VA00W-526	79.4	-	-	56	28	04/08	32	1
DK XTJ323	79.3	-	-	57	33	04/11	40	1
Armor 3035	79.3	80.1	67.0	58	33	04/11	40	1
USG Exp 910	79.2	-	-	57	32	04/11	41	1
Pioneer variety 26R58	78.6	89.6	73.3	54	30	04/19	35	1
UGA 951079-2E31	78.5	-	-	57	33	04/08	38	1
DK 9650	77.6	86.4	-	56	33	04/11	40	1
VA McCormick	77.2	89.3	72.6	56	27	04/06	38	1
Progeny EK EXP 125	76.2	-	-	57	30	04/08	42	1
NK Coker 9375	76.1	74.5	62.6	54	30	04/17	38	1
Delta King 1551	76.0	80.6	65.3	58	29	04/11	39	1
Delta King GR9108	75.9	73.8	-	56	32	04/08	35	1
Dixie Bell DB1224	75.2	81.3	-	57	34	04/11	39	1
AgriPro APW749	74.9	-	-	58	35	04/06	38	1
Terral TVX84W451	74.8	-	-	54	30	04/11	34	1
Terral LA841	74.0	80.7	64.0	57	38	04/11	31	1
USG 3209	72.2	84.9	70.6	58	34	04/11	27	1
Progeny EK EXP 155	71.1	-	-	55	33	04/08	39	1
AR Pat	70.8	77.9	62.1	58	32	04/08	39	1
Vigoro McIntosh	70.5	77.8	-	56	28	04/08	33	1
Pioneer variety 26R61	69.8	77.9	62.6	60	44	04/11	36	1
LA96140BUA70-2	68.8	-	-	58	36	04/11	35	1
LA9560CA22-1	65.8	76.1	-	59	32	04/19	38	1
DK XTJ321	61.9	-	-	56	37	04/11	34	1
NK Coker 9663	61.4	72.9	64.4	53	27	04/08	31	1
NK Coker 9152	57.2	68.9	59.2	53	28	04/17	36	1
LA95181BUB40-1	56.5	75.1	-	56	31	04/11	35	1
LA97113UC-124-3-B	54.7	-	-	60	41	04/19	36	1
LA95283CA78-1-2-B	52.7	-	-	59	39	04/17	33	1
AGS 2000	50.8	76.1	64.0	54	31	04/08	37	1
LA952D3-1-3-C	45.4	-	-	54	37	04/17	34	1
AGS 2485	37.9	69.2	56.5	51	27	04/08	42	1
Overall Mean	81.8	85.1	70.2					
LSD (.10)	19.0	11.9	8.3					
Error degrees of freedom	252	329	321					
CV (%)	19.9	17.0	17.6					
R ² (%)	56	54	84					

¹Planted November 2, 2004

Harvested June 8, 2005

Soil fertility: pH=6.4; P=M; K=M

Fertilizer added: Preplant - 13-13-13 @ 250 lb/A; Topdress - 34-0-0 @ 265 lb/A

Herbicide: None

Previous Crop: Soybeans

²See "Procedures" for a description of lodging scores.

Table 2. 2004-05 wheat yields at G. R. Harden Farm, Cleveland (Forestdale silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
UGA 951216-2E26	117.2	-	-	59	35	04/14	38	3
UGA 96229-3A41	114.4	-	-	57	34	04/15	35	1
Pioneer variety XW03X	113.7	-	-	56	37	04/18	36	1
Terral LA841	112.9	102.5	90.7	57	34	04/12	37	3
LA95181BUB40-1	111.3	103.6	-	58	37	04/14	39	1
UGA 951079-2E31	109.9	-	-	59	35	04/12	37	2
AgriPro APW742	107.0	-	-	58	36	04/13	38	1
DK XTJ322	105.7	-	-	60	36	04/22	44	1
AgriPro Panola	105.5	91.8	-	56	31	04/14	38	2
LA9560CA22-1	104.1	94.5	-	60	37	04/16	43	1
Armor AXR 5099	103.0	-	-	56	30	04/17	34	1
Delta King 7900	102.3	95.8	88.4	57	34	04/18	41	1
LA97113UC-124-3-B	101.2	-	-	60	40	04/14	35	1
DK 7710	101.2	87.3	-	57	32	04/21	38	1
Terral TV8466	101.0	87.0	79.6	56	35	04/18	38	1
AgriPro APW749	101.0	-	-	59	39	04/13	35	2
LA95283CA78-1-2-B	100.1	-	-	60	42	04/12	36	1
LA952D3-1-3-C	99.7	-	-	57	59	04/14	39	1
DK 9577	99.4	95.1	-	56	33	04/17	35	1
Delta Grow 5200	99.2	-	-	57	32	04/21	37	1
Armor AXR 5109	98.5	86.0	-	58	32	04/20	39	1
Delta Grow 4100	98.3	-	-	57	31	04/21	37	1
Vigoro V9513	98.3	-	-	57	33	04/20	41	1
TV8502	98.2	91.4	87.7	57	34	04/20	42	1
Delta King 9410	97.3	90.2	84.0	57	32	04/20	43	1
Dixie 9512	97.2	91.3	87.6	57	37	04/18	37	1
Armor 2010	97.0	-	-	58	32	04/18	45	2
USG 3350	96.7	92.8	86.3	57	32	04/20	41	1
Progeny 133	96.2	88.8	-	57	32	04/19	38	1
Terral TV8565	95.9	88.8	83.0	57	30	04/20	44	1
Pioneer variety 26R61	95.2	92.0	80.7	59	42	04/14	33	1
Terral TVX83W479	94.9	-	-	58	32	04/17	40	1
Dixie Bell DB2125	94.8	95.6	89.5	57	30	04/20	38	1
LA95135D54-2-3-C	94.6	-	-	56	35	04/14	34	1
Progeny 166	94.3	90.8	85.1	57	35	04/20	41	1
Dixie 900	94.3	93.1	89.5	57	32	04/21	35	1
Terral TV8450	94.1	88.4	83.8	57	32	04/18	48	1
LA96140BUA70-2	93.4	-	-	57	33	04/14	34	1
Dixie Bell DB2150	93.2	91.1	86.8	57	32	04/20	38	1
AgriPro Beretta	93.2	86.0	-	55	26	04/19	33	1
Vigoro McIntosh	92.7	85.5	-	58	34	04/14	38	3
USG 3430	92.5	88.6	83.5	58	37	04/18	42	1
Armor AXR 5667	91.9	-	-	56	31	04/14	35	1
Armor 3330	91.6	-87.8	-	56	32	04/21	41	2
AR Pat	91.3	87.9	81.9	55	28	04/20	32	1
AgriPro Savage	90.5	83.1	78.1	57	27	04/18	38	2
Delta King 1551	90.5	80.0	74.6	55	31	04/17	30	1
Progeny 145	89.7	85.7	82.1	57	32	04/19	41	1
Delta Grow 4200	89.6	87.4	82.8	58	34	04/20	38	1
Delta King GR9108	89.6	86.1	-	56	35	04/15	38	2
DK 7830	89.5	84.5	-	57	32	04/18	35	2
Progeny 110	89.3	87.4	83.5	57	34	04/18	38	1
Dixie 9812	88.9	88.2	-	57	32	04/18	41	1
Delta Grow 4500	88.5	85.4	80.3	57	35	04/20	38	1
Armor 3035	87.9	81.6	76.8	57	32	04/21	45	1
VA00W-526	87.7	-	-	56	31	04/15	31	1
AgriPro Natchez	86.4	81.6	79.8	55	30	04/19	35	2
Pioneer variety 26R15	86.3	84.9	-	56	31	04/20	32	1
Dixie Bell DB1170	84.1	84.6	81.5	56	31	04/17	38	1
Dixie Bell DB1224	83.5	82.1	-	56	34	04/13	40	2
Pioneer variety 26R12	82.1	81.6	77.5	58	30	04/21	34	1
NK Coker 9375	81.2	82.8	76.0	55	32	04/17	38	2
Progeny EK EXP 185	80.5	-	-	57	29	04/17	39	1
Progeny 156	80.4	77.5	75.5	56	29	04/21	38	2
USG 3209	79.3	79.2	75.0	56	33	04/14	32	2
DK XTJ321	78.3	-	-	56	32	04/17	37	1
Delta King 9216	74.7	74.3	73.6	56	33	04/18	37	2
Pioneer variety 26R58	74.2	75.7	73.3	56	31	04/14	34	1
USG 3592	71.8	67.3	-	57	33	04/15	37	1
Armor AXR 5299	69.9	-	-	57	30	04/18	36	1
NK Coker 9663	65.1	70.7	67.9	57	31	04/15	38	3
AGS 2000	62.1	63.8	64.7	54	33	04/14	36	2
NK Coker 9152	61.7	73.5	74.5	55	30	04/15	40	3

Continued.

Table 2 (continued). 2004-05 wheat yields at G. R. Harden Farm, Cleveland (Forestdale silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²	
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>		
HBK 3266	58.4	64.2	-	57	31	04/17	38	2	
DK XTJ323	56.9	-	-	56	29	04/21	36	1	
Progeny EK EXP 155	53.7	-	-	55	30	04/21	33	1	
VA McCormick	53.7	61.3	62.2	54	27	04/20	32	1	
USG Exp 910	53.4	-	-	55	27	04/20	38	1	
DK 9650	50.5	52.8	-	55	33	04/18	34	2	
Terral TVX84W451	48.3	-	-	52	26	04/18	33	2	
Progeny EK EXP 125	48.0	-	-	54	26	04/18	38	1	
AGS 2485	27.0	34.0	40.9	45	19	04/14	37	2	
Overall Mean	88.1	83.9	79.3						
LSD (.10)	12.8	7.9	5.5						
Error degrees of freedom	252	330	324						
CV (%)	12.4	11.4	10.2						
R ² (%)	79	75	79						
¹ Planted November 16, 2004		Harvested June 14, 2005			Soil fertility: pH=5.5; P=H; K=H				
Fertilizer added: D.A.P. @ 125 lb/A (2/15/05); 46-0-0 @ 150 lb/A (3/2/05 & 3/6/05)									
Herbicide: Harmony @ 0.5 oz/A (2/11/05)		Previous Crop: Corn							
² See "Procedures" for a description of lodging scores.									

Table 3. 2004-05 wheat yields at Ricky Belk Farm, Minter City (Forestdale silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
Pioneer variety XW03X	120.1	-	-	58	38	04/25	32	1
UGA 951079-2E31	110.0	-	-	60	34	04/14	39	1
VA00W-526	108.7	-	-	59	34	04/18	31	1
LA9560CA22-1	108.3	87.1	-	60	39	04/18	41	1
DK 7830	106.5	91.3	-	58	36	04/21	37	1
Delta Grow 5200	105.7	-	-	58	34	04/25	33	1
Dixie 900	104.6	86.3	85.3	58	34	04/25	37	1
LA95181BUB40-1	104.3	85.2	-	57	38	04/18	35	1
UGA 96229-3A41	104.2	-	-	57	36	04/18	34	1
Terral TVX83W479	102.9	-	-	58	33	04/21	36	1
AgriPro APW742	102.6	-	-	59	40	04/18	34	1
Delta King 7900	102.0	85.2	82.0	57	32	04/25	39	1
Terral TV8466	101.9	92.9	87.7	57	37	04/25	30	1
Dixie Bell DB2125	101.9	86.4	84.2	58	34	04/25	38	1
Terral LA841	101.7	97.1	91.6	58	33	04/14	35	1
Vigoro McIntosh	101.4	87.5	-	59	33	04/18	35	1
Progeny 110	101.1	93.0	88.4	58	32	04/25	37	1
USG 3430	100.4	88.9	89.8	57	35	04/23	38	1
TV8502	100.3	90.1	88.9	59	34	04/25	41	1
USG 3350	100.2	87.1	79.8	59	37	04/25	38	1
Dixie Bell DB2150	99.4	85.9	87.9	57	34	04/25	39	1
Dixie Bell DB1170	99.4	88.5	85.2	57	33	04/21	37	1
Delta King 9410	99.0	76.2	78.3	57	34	04/25	38	1
Dixie Bell DB1224	99.0	82.4	-	59	37	04/18	32	1
Delta Grow 4100	98.6	-	-	59	35	04/25	37	1
Dixie 9812	98.5	85.6	-	58	35	04/21	36	1
NK Coker 9663	97.8	93.3	85.8	59	40	04/18	38	1
Progeny 133	97.4	87.5	-	58	34	04/25	35	1
AgriPro Natchez	97.2	82.2	82.0	58	34	04/21	32	1
Dixie 9512	97.2	88.6	87.1	57	36	04/23	39	1
UGA 951216-2E26	97.1	-	-	59	35	04/18	36	1
Terral TV8565	97.1	84.0	82.3	59	33	04/25	36	1
Progeny 145	96.2	85.9	88.6	58	32	04/23	36	1
Armor 3330	95.6	86.9	-	58	32	04/25	35	1
DK 9577	95.5	88.5	-	57	32	04/21	33	1
Armor 3035	95.2	82.0	79.7	57	32	04/25	36	1
Delta King 9216	94.6	84.1	80.3	58	33	04/25	39	1
LA95283CA78-1-2-B	94.5	-	-	60	43	04/14	34	1
USG 3209	94.1	81.5	82.1	59	38	04/18	31	1
DK XTJ322	93.6	-	-	62	40	04/27	40	1
LA95135D54-2-3-C	93.5	-	-	56	43	04/21	36	1
Terral TV8450	93.4	83.6	80.0	56	37	04/21	37	1
Pioneer variety 26R61	92.7	77.7	79.0	57	45	04/21	33	1
AgriPro Savage	92.3	83.3	87.8	59	32	04/21	31	1
Armor AXR 5109	92.2	83.8	-	58	32	04/25	36	1
Continued.								

Table 3 (continued). 2004-05 wheat yields at Ricky Belk Farm, Minter City (Forestdale silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
Progeny 166	92.0	82.7	77.1	56	33	04/25	36	1
Vigoro V9513	91.8	-	-	58	35	04/25	38	1
DK 7710	91.5	84.6	-	58	33	04/25	32	1
Progeny EK EXP 185	91.2	-	-	57	33	04/21	35	1
Armor 2010	90.9	-	-	57	36	04/25	36	1
Progeny EK EXP 125	90.8	-	-	56	33	04/23	37	1
AgriPro APW749	90.4	-	-	59	41	04/18	34	1
Delta Grow 4500	89.8	79.2	79.4	57	34	04/25	35	1
AGS 2000	89.8	81.1	86.3	59	38	04/16	35	1
LA96140BUA70-2	89.7	-	-	59	36	04/18	33	1
Pioneer variety 26R12	89.7	83.7	82.8	60	35	04/25	35	1
USG 3592	89.6	-	78.9	58	33	04/18	41	1
LA952D3-1-3-C	89.5	-	-	56	38	04/16	34	1
Armor AXR 5099	88.6	-	-	57	32	04/21	28	1
AgriPro Beretta	88.4	77.3	-	54	29	04/25	31	1
Delta King GR9108	88.4	74.3	-	56	37	04/18	34	1
Pioneer variety 26R15	88.2	74.4	-	59	32	04/27	33	1
Armor AXR 5667	88.1	-	-	58	30	04/23	28	1
LA97113UC-124-3-B	87.7	-	-	60	41	04/18	32	1
Delta King 1551	87.6	80.6	81.5	57	34	04/25	28	1
HBK 3266	87.2	75.6	-	59	32	04/18	35	1
AgriPro Panola	87.1	72.5	-	57	31	04/18	34	1
NK Coker 9375	87.1	78.6	81.3	55	40	04/21	37	1
Delta Grow 4200	87.0	83.7	80.1	58	34	04/25	36	1
Pioneer variety 26R58	85.8	69.2	77.6	55	36	04/21	32	1
AR Pat	84.3	77.3	82.2	59	31	04/29	36	1
NK Coker 9152	83.7	75.8	82.9	54	33	04/21	40	1
Progeny 156	83.5	76.7	76.5	58	34	04/25	33	1
USG Exp 910	82.3	-	-	57	34	04/25	38	1
Terral TVX84W451	81.2	-	-	57	35	04/25	34	1
DK XTJ323	81.0	-	-	57	31	04/25	39	1
Armor AXR 5299	80.5	-	-	55	33	04/25	28	1
DK 9650	74.6	70.0	-	57	35	04/25	34	1
DK XTJ321	73.5	-	-	55	36	04/18	36	1
VA McCormick	72.0	66.4	70.5	59	27	04/25	31	1
Progeny EK EXP 155	67.6	-	-	55	33	04/25	32	1
AGS 2485	49.3	63.6	71.2	54	25	04/18	33	1
Overall Mean	93.3	82.3	82.5					
LSD (.10)	12.0	9.5	6.7					
Error degrees of freedom	252	264	279					
CV (%)	11.1	12.8	11.5					
R ² (%)	58	78	75					

¹Planted November 9, 2004 Harvested June 6, 2005 Soil fertility: pH=6.2; P=H; K=M
Fertilizer added: 18-46-0 @ 100 lb/A (11-10-04); Topdress - 46-0-0 @ 125 lb/A (3-2-05) & 46-0-0 @ 100 lb/A (3-20-05)
Herbicide: None Previous Crop: Soybeans
²See "Procedures" for a description of lodging scores.

Table 4. 2004-05 wheat yields at Heigle & Cox Farm, Issaquena County (Sharkey clay soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
AgriPro Natchez	91.9	84.0	81.6	58	34	04/16	42	1
LA95135D54-2-3-C	87.7	-	-	59	47	04/13	39	1
AgriPro Beretta	85.0	82.6	-	58	31	04/15	40	1
UGA 96229-3A41	84.1	-	-	59	33	04/07	42	1
LA9560CA22-1	80.2	73.7	-	60	32	04/05	44	1
LA97113UC-124-3-B	80.0	-	-	60	43	04/11	40	1
AgriPro Savage	79.1	72.5	72.9	60	30	04/17	39	1
Pioneer variety 26R61	77.8	74.8	75.7	61	46	04/11	39	1
Delta Grow 5200	77.8	-	-	60	34	04/12	47	1
AgriPro Panola	77.7	75.1	-	58	30	04/09	41	3
UGA 951216-2E26	77.2	-	-	61	36	04/13	38	1
Armor AXR 5099	76.9	-	-	58	33	04/10	39	2
Terral TVX83W479	76.5	-	-	57	30	04/13	39	2
DK XTJ322	76.5	-	-	61	36	04/18	47	2
Terral TV8466	75.9	74.3	69.5	59	32	04/18	38	1
Delta King 9410	75.1	72.6	72.2	59	36	04/16	42	1

Continued.

Table 4 (continued). 2004-05 wheat yields at Heigle & Cox Farm, Issaquena County (Sharkey clay soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
VA00W-526	74.3	-	-	58	28	04/08	36	5
Delta King 1551	74.3	72.7	73.7	58	32	04/10	37	3
Dixie 900	71.6	71.9	70.9	58	30	04/11	46	1
Vigoro McIntosh	71.4	71.6	-	60	29	04/15	38	1
DK 9577	71.3	71.7	-	58	29	04/18	38	1
Armor AXR 5109	71.1	68.6	-	59	34	04/14	45	2
TV8502	71.0	69.2	71.5	58	35	04/16	42	1
AR Pat	70.5	70.0	69.0	59	35	04/15	45	2
Delta King 9216	70.2	67.7	67.5	58	36	04/11	39	1
USG 3350	69.5	70.3	69.8	59	32	04/13	45	1
Progeny 133	69.2	71.3	-	58	31	04/19	39	1
Delta King 7900	68.9	70.1	71.5	58	31	04/13	42	1
Progeny 145	68.6	74.0	72.2	59	35	04/17	40	1
Dixie Bell DB2125	68.6	72.7	72.2	59	30	04/18	42	1
Armor AXR 5667	67.9	-	-	57	23	04/10	39	3
Armor 3035	67.8	67.3	66.6	59	32	04/12	47	2
Progeny 156	67.8	69.1	69.0	58	35	04/22	37	1
Progeny 166	67.7	69.2	69.5	58	32	04/20	40	1
Dixie Bell DB1170	67.4	71.4	72.8	59	35	04/15	44	1
Delta Grow 4100	67.3	-	-	59	33	04/12	48	1
Armor 2010	67.2	-	-	59	34	04/12	46	4
Terral TV8565	66.5	71.6	71.4	59	33	04/18	44	1
Terral LA841	66.4	69.5	72.1	58	38	04/05	37	1
Pioneer variety 26R15	66.3	66.8	-	58	33	04/23	32	1
Vigoro V9513	66.3	-	-	55	35	04/20	39	1
DK 7710	66.1	69.8	-	60	29	04/13	47	1
NK Coker 9375	66.0	68.2	66.8	56	35	04/18	33	1
Armor 3330	65.5	65.8	-	58	31	04/13	46	2
UGA 951079-2E31	65.5	-	-	60	32	04/09	41	1
Dixie 9512	64.4	67.9	67.2	59	37	04/10	47	1
HBK 3266	63.8	67.0	-	60	36	04/11	40	1
Progeny EK EXP 185	63.8	-	-	57	28	04/19	36	1
LA96140BUA70-2	63.3	-	-	58	31	04/07	35	1
USG 3430	62.7	61.6	64.4	60	32	04/09	45	1
DK 7830	62.3	66.6	-	60	38	04/12	44	1
USG 3209	61.3	64.8	66.3	60	41	04/06	35	1
AgriPro APW742	60.7	-	-	59	36	04/03	47	1
Progeny 110	60.6	64.6	66.8	60	35	04/20	39	1
Dixie Bell DB2150	59.9	67.2	67.7	60	32	04/13	45	1
Dixie Bell DB1224	59.8	67.6	-	59	37	04/09	39	1
Pioneer variety XW03X	58.5	-	-	58	30	04/22	35	1
Delta Grow 4500	58.3	63.7	65.6	54	28	04/10	47	1
Pioneer variety 26R12	58.2	65.0	67.1	60	36	04/24	36	1
Armor AXR 5299	58.2	-	-	58	27	04/11	47	2
Pioneer variety 26R58	58.2	65.6	67.1	59	35	04/16	30	1
VA McCormick	57.0	62.6	66.9	59	27	04/12	37	4
AgriPro APW749	56.8	-	-	59	40	04/03	45	3
Terral TVX84W451	56.3	-	-	57	30	04/14	44	3
DK 9650	56.2	-	-	57	33	04/19	34	1
Delta Grow 4200	55.5	61.1	63.4	58	32	04/11	46	1
USG 3592	54.2	60.6	-	61	37	04/11	43	4
Terral TV8450	53.8	61.5	64.5	58	33	04/16	43	1
Dixie 9812	53.0	62.1	-	59	34	04/10	46	1
NK Coker 9152	51.6	57.3	64.7	57	33	04/14	42	1
Delta King GR9108	51.5	60.0	-	60	38	04/03	45	2
LA95181BUB40-1	48.9	63.5	-	57	26	04/07	33	1
NK Coker 9663	46.6	60.2	65.7	57	37	04/12	41	1
LA952D3-1-3-C	44.3	-	-	58	29	04/06	37	1
AGS 2000	43.3	59.4	64.0	58	35	04/02	41	3
Progeny EK EXP 155	42.0	-	-	57	31	04/21	32	1
Progeny EK EXP 125	41.8	-	-	59	35	04/21	35	1
USG Exp 910	41.0	-	-	60	35	04/17	41	2
DK XTJ323	39.6	-	-	60	35	04/18	37	2
DK XTJ321	35.4	-	-	56	33	04/06	41	2
AGS 2485	22.5	42.9	51.0	47	22	04/03	41	4
LA95283CA78-1-2-B	12.4	-	-	58	41	04/03	34	1
Overall Mean	63.6	67.8	68.7					
LSD (.10)	13.1	8.3	5.7					
Error degrees of freedom	252	323	322					
CV (%)	17.6	14.9	12.2					
R ² (%)	71	59	63					

¹Planted October 28, 2004 Harvested June 17, 2005
Fungicide: Tilt @ 4 oz/A (applied by air) (4-9-05)

Soil fertility: pH=6.4; P=M-H; K=M-H
Herbicide: None

Fertilizer added: Topdress - N @ 100 lb/A (2-25-05)
Previous Crop: Corn

²See "Procedures" for a description of lodging scores.

Table 5. 2004-05 wheat yields at MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
UGA 96229-3A41	107.7	-	-	56	34	04/08	39	1
AgriPro APW749	107.1	-	-	57	38	04/08	38	1
UGA 951216-2E26	106.0	-	-	58	41	04/08	40	1
Terral LA841	104.0	94.9	86.2	55	32	04/06	38	1
LA9560CA22-1	103.4	96.1	-	60	37	04/06	42	1
AgriPro APW742	102.8	-	-	58	38	04/08	39	1
LA95135D54-2-3-C	100.9	-	-	57	42	04/11	40	1
Pioneer variety XW03X	100.7	-	-	56	37	04/13	40	1
Pioneer variety 26R61	99.1	87.9	82.5	59	45	04/08	39	1
Vigoro McIntosh	98.1	99.2	-	57	36	04/11	42	1
UGA 951079-2E31	98.0	-	-	60	36	04/04	39	1
AgriPro Panola	97.6	94.4	-	55	28	04/08	34	1
LA95181BUB40-1	97.5	98.3	-	57	35	04/06	42	1
Dixie Bell DB1224	96.4	99.7	-	56	34	04/06	39	1
Delta King 1551	95.9	89.9	85.8	56	27	04/15	40	1
AgriPro Natchez	95.6	92.2	86.2	58	34	04/13	45	1
Terral TVX83W479	95.5	-	-	58	30	04/11	37	1
LA97113UC-124-3-B	95.2	-	-	59	40	04/08	40	1
LA95283CA78-1-2-B	94.2	-	-	57	40	04/04	36	1
Terral TV8466	91.6	87.5	82.7	56	33	04/11	38	1
AgriPro Beretta	91.1	91.0	-	55	31	04/11	40	1
Armor AXR 5667	91.0	-	-	55	29	04/11	34	1
Delta King GR9108	90.7	90.7	-	56	38	04/11	40	1
Vigoro V9513	90.6	-	-	59	33	04/13	42	1
Armor AXR 5099	90.5	-	-	56	28	04/11	38	1
VA00W-526	90.3	-	-	56	30	04/11	32	1
AR Pat	89.6	85.3	80.6	56	32	04/18	42	1
Dixie 900	89.2	84.5	82.2	56	33	04/15	43	1
Delta Grow 4100	89.1	-	-	56	31	04/15	44	1
USG 3350	88.5	76.3	75.7	55	35	04/13	42	1
Progeny 145	88.5	80.3	76.3	55	33	04/13	43	1
Dixie 9512	88.0	85.2	82.1	56	34	04/13	44	1
Delta King 7900	88.0	81.3	79.5	56	33	04/15	44	1
Delta Grow 5200	86.8	-	-	56	33	04/13	43	1
TV8502	86.6	79.9	77.9	56	33	04/13	42	1
DK 7710	86.4	83.2	-	57	34	04/15	44	1
Progeny 166	85.8	78.2	76.6	56	34	04/13	42	1
Armor 3035	85.7	76.2	74.1	55	30	04/15	41	1
DK XTJ322	85.4	-	-	59	37	04/18	46	1
DK 7830	85.4	74.9	-	55	34	04/11	44	1
Terral TV8565	85.4	80.1	77.7	56	34	04/15	42	1
DK 9577	85.2	89.5	-	55	32	04/11	36	1
Armor AXR 5109	84.7	87.7	-	55	34	04/13	43	1
Delta King 9410	84.6	77.7	75.6	56	33	04/15	43	1
USG 3430	84.2	76.9	75.5	56	31	04/11	42	1
Dixie 9812	84.0	83.2	-	56	33	04/11	47	1
Progeny 133	83.7	75.8	-	56	31	04/13	42	1
AgriPro Savage	83.7	85.6	83.2	56	26	04/13	39	1
Dixie Bell DB1170	83.7	82.0	79.2	55	33	04/13	47	1
Armor 3330	83.6	78.7	-	56	30	04/13	41	1
USG 3209	82.8	89.4	85.0	56	37	04/08	30	2
Delta Grow 4200	82.5	79.0	77.7	55	34	04/15	42	1
Dixie Bell DB2125	80.5	77.1	77.3	56	33	04/15	46	2
LA96140BUA70-2	80.3	-	-	58	33	04/08	38	1
Progeny 110	79.4	72.5	72.9	56	34	04/11	45	1
Delta Grow 4500	78.7	73.5	72.6	55	32	04/11	42	1
Delta King 9216	76.6	78.1	75.3	55	35	04/11	40	2
Terral TV8450	76.4	75.0	75.0	54	32	04/11	41	1
Progeny 156	76.4	74.1	73.0	54	31	04/15	41	1
Dixie Bell DB2150	75.4	77.3	77.1	55	34	04/13	44	2
LA952D3-1-3-C	74.1	-	-	54	32	04/08	40	1
Armor 2010	73.5	-	-	56	32	04/11	42	1
Pioneer variety 26R15	72.9	87.3	-	55	28	04/18	38	1
DK XTJ321	72.7	-	-	55	34	04/08	38	1
Pioneer variety 26R12	72.4	81.7	76.9	56	29	04/18	39	1
Progeny EK EXP 185	68.6	-	-	55	30	04/13	36	1
Armor AXR 5299	67.3	-	-	55	34	04/08	35	1
HBK 3266	65.3	79.4	-	56	29	04/08	44	3
USG 3592	64.7	80.8	-	56	31	04/11	41	4
NK Coker 9375	63.6	70.4	69.5	54	32	04/11	44	1
Pioneer variety 26R58	60.4	72.5	73.6	50	24	04/11	34	1
AGS 2000	57.9	75.0	73.6	54	29	04/08	37	1
NK Coker 9663	51.8	65.0	65.6	54	27	04/08	41	2
USG Exp 910	49.2	-	-	53	27	04/15	38	1

Continued.

Table 5 (continued). 2004-05 wheat yields at MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
Terral TVX84W451	46.8	-	-	52	28	04/11	35	1
DK XTJ323	45.9	-	-	52	24	04/13	36	1
Progeny EK EXP 125	44.4	-	-	54	24	04/13	38	1
NK Coker 9152	43.6	66.7	70.6	51	27	04/11	42	2
DK 9650	43.0	63.8	-	53	28	04/13	37	1
Progeny EK EXP 155	39.1	-	-	50	29	04/15	35	1
VA McCormick	35.5	62.5	67.3	48	20	04/13	32	3
AGS 2485	13.1	53.5	59.8	38	20	04/08	36	1
Overall Mean	80.9	81.2	76.8					
LSD (.10)	11.4	7.1	4.5					
Error degrees of freedom	252	330	324					
CV (%)	12.0	10.6	8.8					
R ² (%)	84	80	82					
¹ Planted November 10, 2004			Harvested June 9, 2005		Soil fertility: pH=6.4; P=H; K=H			
Fertilizer added: 0-20-20 @ 200 lb/A (12/2/04); Topdress - 34-0-0 @ 295 lb/A (2/11/05)					Herbicide: None		Previous Crop: Wheat	
² See "Procedures" for a description of lodging scores.								

Table 6. 2004-05 wheat yields at MAFES Brown Loam Branch, Raymond (Loring silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield ²	Test weight	Seed weight	Date headed ³	Plant height	Lodging score ⁴
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
DK XTJ322	102.6	-	-	53	32	-	38	2
Pioneer variety 26R15	91.8	77.2	-	54	34	-	37	1
AR Pat	90.7	80.4	-	55	43	-	33	2
Delta King 1551	89.6	75.4	-	53	31	-	28	1
AgriPro Beretta	83.8	78.2	-	56	33	-	39	2
Pioneer variety XW03X	83.3	-	-	54	35	-	37	1
USG 3350	80.9	71.0	-	53	27	-	38	1
LA95135D54-2-3-C	80.8	-	-	52	28	-	28	3
Vigoro V9513	78.5	-	-	55	33	-	40	2
DK 7710	76.0	69.8	-	56	33	-	39	2
Terral LA841	75.7	54.5	-	59	31	-	30	1
HBK 3266	74.8	65.9	-	53	33	-	34	2
Progeny 145	74.7	68.9	-	53	32	-	35	2
Armor 3035	74.4	69.0	-	51	32	-	32	1
Progeny 166	74.1	69.8	-	56	36	-	32	1
AgriPro APW749	73.3	-	-	54	25	-	26	1
LA96140BUA70-2	72.2	-	-	53	28	-	35	1
LA9560CA22-1	71.5	66.1	-	54	31	-	34	1
Terral TV8466	71.0	65.7	-	54	34	-	31	1
AgriPro Panola	69.7	70.1	-	55	40	-	32	1
Terral TV8565	69.6	68.9	-	55	30	-	26	1
Pioneer variety 26R61	69.4	61.4	-	55	32	-	30	1
AgriPro APW742	69.3	-	-	53	33	-	29	1
Delta Grow 5200	68.8	-	-	56	40	-	32	1
Delta King 7900	68.6	67.1	-	57	39	-	31	1
Delta King 9216	68.5	69.3	-	53	30	-	27	1
Armor AXR 5109	67.8	63.4	-	53	34	-	35	2
Delta Grow 4100	67.6	-	-	54	32	-	27	1
Delta King 9410	67.5	65.5	-	50	29	-	35	1
Dixie Bell DB2150	66.7	73.7	-	55	29	-	25	1
Delta Grow 4500	63.5	63.3	-	53	32	-	27	1
Dixie Bell DB1170	63.5	71.0	-	54	35	-	26	1
Dixie 9512	63.1	64.7	-	55	38	-	30	1
Dixie 900	62.9	71.4	-	56	31	-	39	1
Dixie Bell DB2125	62.4	70.4	-	55	31	-	31	1
Progeny 133	62.1	74.2	-	54	36	-	31	1
AgriPro Natchez	61.7	62.1	-	54	33	-	33	1
Armor AXR 5667	61.2	-	-	56	34	-	31	1
Dixie 9812	60.7	63.3	-	55	32	-	35	2
Armor AXR 5099	59.9	-	-	55	33	-	37	2
DK 7830	59.9	65.5	-	54	30	-	25	1
Pioneer variety 26R12	59.9	64.1	-	56	38	-	28	1
Progeny 156	59.2	66.4	-	50	26	-	28	4
LA95283CA78-1-2-B	59.1	-	-	55	32	-	29	2
DK 9577	58.7	66.3	-	54	37	-	38	2
Delta Grow 4200	58.0	66.3	-	55	32	-	38	1
AgriPro Savage	57.7	64.1	-	51	27	-	29	1

Continued.

Table 6 (continued). 2004-05 wheat yields at MAFES Brown Loam Branch, Raymond (Loring silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield ²	Test weight	Seed weight	Date headed ³	Plant height	Lodging score ⁴
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>	<i>g/1000</i>		<i>in</i>	
Armor 3330	57.4	63.3	-	55	31	-	41	3
TV8502	56.7	65.6	-	55	36	-	36	2
Progeny EK EXP 155	56.0	-	-	55	31	-	35	2
VA00W-526	54.3	-	-	56	37	-	33	1
Terral TV8450	53.9	63.8	-	53	33	-	31	3
UGA 96229-3A41	53.5	-	-	55	33	-	38	2
Progeny 110	53.2	66.9	-	54	26	-	34	2
USG 3430	53.2	62.0	-	53	32	-	31	1
LA97113UC-124-3-B	51.8	-	-	54	33	-	28	1
USG Exp 910	51.5	-	-	49	25	-	32	4
USG 3592	51.4	51.6	-	54	35	-	43	3
Progeny EK EXP 185	50.2	-	-	53	36	-	31	2
AGS 2000	50.0	59.9	-	56	36	-	38	1
DK XTJ323	48.8	-	-	53	36	-	30	1
USG 3209	47.1	50.9	-	53	32	-	36	3
Armor 2010	46.8	-	-	50	29	-	27	1
Pioneer variety 26R58	46.0	61.2	-	54	32	-	35	2
Armor AXR 5299	44.8	-	-	54	36	-	34	1
NK Coker 9375	43.9	55.5	-	55	34	-	36	2
Terral TVX84W451	41.8	-	-	56	34	-	33	1
Terral TVX83W479	41.1	-	-	53	30	-	24	1
Vigoro McIntosh	40.2	48.1	-	50	29	-	29	2
NK Coker 9152	38.6	43.5	-	53	35	-	40	1
VA McCormick	38.3	49.9	-	56	35	-	37	2
LA952D3-1-3-C	38.2	-	-	54	34	-	31	1
Dixie Bell DB1224	38.0	44.1	-	55	33	-	36	1
DK 9650	37.9	65.2	-	53	24	-	28	1
LA95181BUB40-1	36.3	48.6	-	55	34	-	39	3
UGA 951216-2E26	33.9	-	-	55	39	-	34	2
NK Coker 9663	33.3	44.6	-	55	35	-	30	1
UGA 951079-2E31	30.7	-	-	55	30	-	30	1
Progeny EK EXP 125	29.9	-	-	55	33	-	37	1
Delta King GR9108	28.4	46.8	-	54	27	-	29	1
DK XTJ321	26.6	-	-	52	29	-	33	2
AGS 2485	21.0	56.0	-	52	30	-	24	1
Overall Mean	59.5	63.8	-					
LSD (.10)	17.0	8.6	-					
Error degrees of freedom	81	217	-					
CV (%)	16.9	14.0	-					
R ² (%)	84	74	-					

¹Planted November 15, 2004 Harvested June 13, 2005 Soil fertility: pH=6.5; P=H; K=M Fertilizer added: Topdress - N @ 105 lb/A
Herbicide: None Previous Crop: Corn
²No 3-year averages.
³Heading dates not taken.
⁴See "Procedures" for a description of lodging scores.

Table 7. Yield summary of 2004-05 wheat variety trials in Mississippi.

Brand/Variety	Brookville	North avg.	Newton	Raymond	South avg.	Cleveland	Issaquena	Minter City	Delta avg.	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriPro APW 742 (Exp.)	81.7	81.7	102.8	69.3	91.6	107.0	60.7	102.6	90.1	89.0
AgriPro APW 749 (Exp.)	74.9	74.9	107.1	73.3	95.8	101.0	56.8	90.4	82.7	84.8
AgriPro Beretta	95.5	95.5	91.1	83.8	88.7	93.2	85.0	88.4	88.9	90.0
AgriPro Natchez	94.0	94.0	95.6	61.7	84.3	86.4	91.9	97.2	91.9	90.2
AgriPro Panola	51.7	51.7	97.6	69.7	88.3	105.5	77.7	87.1	90.1	88.1
AgriPro Savage	88.0	88.0	83.7	57.7	75.0	90.5	79.1	92.3	87.3	84.1
AGS 2000	50.8	50.8	57.9	50.0	55.3	62.1	43.3	89.8	65.0	59.8
AGS 2485	37.9	37.9	13.1	21.0	14.7	27.0	22.5	49.3	33.0	29.5
AR Pat	70.8	70.8	89.6	90.7	90.0	91.3	70.5	84.3	82.0	82.2
Armor 2010	82.4	82.4	73.5	46.8	64.6	97.0	67.2	90.9	85.1	79.0
Armor 3035	79.3	79.3	85.7	74.4	81.9	87.9	67.8	95.2	83.7	82.4
Armor 3330	90.0	90.0	83.6	57.4	74.9	91.6	65.5	95.6	84.2	82.7
Armor AXR 5099 (Exp.)	97.0	97.0	90.5	59.9	80.3	103.0	76.9	88.6	89.5	88.4
Armor AXR 5109 (Exp.)	85.2	85.2	84.7	67.8	79.1	98.5	71.1	92.2	87.3	84.7
Armor AXR 5299 (Exp.)	52.7	52.7	67.3	44.8	59.8	69.9	58.2	80.5	69.5	69.3
Armor AXR 5667 (Exp.)	84.9	84.9	91.0	61.2	81.1	91.9	67.9	88.1	82.7	82.6
Delta Grow 4100	88.9	88.9	89.1	67.6	81.9	98.3	67.3	98.6	88.1	86.6
Delta Grow 4200	86.5	86.5	82.5	58.0	74.3	89.6	55.5	87.0	77.4	78.2

Continued.

Table 7 (continued). Yield summary of 2004-05 wheat variety trials in Mississippi.

Brand/Variety	Brookville	North avg.	Newton	Raymond	South avg.	Cleveland	Issaquena	Minter City	Delta avg.	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Delta Grow 4500	87.6	87.6	78.7	63.5	73.6	88.5	58.3	89.8	78.9	79.0
Delta Grow 5200	82.4	82.4	86.8	68.8	80.8	99.2	77.8	105.7	94.2	88.4
Delta King 1551W	76.0	76.0	95.9	89.6	93.8	90.5	74.3	87.6	84.1	85.3
Delta King 7710	83.5	83.5	86.4	76.0	82.9	101.2	66.1	91.5	86.3	84.9
Delta King 7830	84.1	84.1	85.4	59.9	76.9	89.5	62.3	106.5	86.1	83.3
Delta King 7900	92.6	92.6	88.0	68.6	81.5	102.3	68.9	102.0	91.1	88.7
Delta King 9216	83.5	83.5	76.6	68.5	73.9	74.7	70.2	94.6	79.8	78.9
Delta King 9410	85.5	85.5	84.6	67.5	78.9	97.3	75.1	99.0	90.5	86.4
Delta King 9577	92.5	92.5	85.2	58.7	76.4	99.4	71.3	95.5	88.7	86.0
Delta King 9650	77.6	77.6	43.0	37.9	41.3	50.5	56.2	74.6	60.5	58.4
Delta King GR9108	75.9	75.9	90.7	28.4	78.2	89.6	51.5	88.4	76.5	76.8
Delta King XTJ321 (Exp.)	61.9	61.9	72.7	26.6	57.3	78.3	35.4	73.5	62.4	60.9
Delta King XTJ322 (Exp.)	98.0	98.0	85.4	102.6	91.2	105.7	76.5	93.6	91.9	92.8
Delta King XTJ323 (Exp.)	79.3	79.3	45.9	48.8	46.9	56.9	39.6	81.0	59.2	59.5
Dixie 900	99.7	99.7	89.2	62.9	80.4	94.3	71.6	104.6	90.2	89.2
Dixie 9512	90.7	90.7	88.0	63.1	79.7	97.2	64.4	97.2	86.3	85.3
Dixie 9812	85.6	85.6	84.0	60.7	76.3	88.9	53.0	98.5	80.1	80.1
Dixie Bell DB1170	82.4	82.4	83.7	63.5	77.0	84.1	67.4	99.4	83.6	81.6
Dixie Bell DB2125	88.1	88.1	80.5	62.4	74.4	94.8	68.6	101.9	88.4	84.6
Dixie Bell DB2150	86.5	86.5	75.4	66.7	72.5	93.2	59.9	99.4	84.2	81.4
Dixie Bell DB1224	75.2	75.2	96.4	38.0	77.0	83.5	59.8	99.0	80.7	78.7
HBK 3266	82.7	82.7	65.3	74.8	68.5	58.4	63.8	87.2	69.8	71.8
LA95135D54-2-3-C	90.7	90.7	100.9	80.8	94.2	94.6	87.7	93.5	92.0	92.3
LA95181BUB40-1 (Exp.)	56.5	56.5	97.5	36.3	77.1	111.3	48.9	104.3	88.2	79.4
LA952D3-1-3-C	45.4	45.4	74.1	38.2	62.2	99.7	44.3	89.5	77.8	67.7
LA95283CA78-1-2-B	52.7	52.7	94.2	59.1	82.5	100.1	12.4	94.5	69.0	69.7
LA9560CA22-1 (Exp.)	65.8	65.8	103.4	71.5	92.8	104.1	80.2	108.3	97.6	90.5
LA96140BUA70-2	68.8	68.8	80.3	72.2	77.6	93.4	63.3	89.7	82.2	78.5
LA97113UC-124-3-B	54.7	54.7	95.2	51.8	80.7	101.2	80.0	87.7	89.7	80.9
NK Coker 9152	57.2	57.2	43.6	38.6	41.9	61.7	51.6	83.7	65.7	57.7
NK Coker 9375	76.1	76.1	63.6	43.9	57.1	81.2	66.0	87.1	78.1	72.0
NK Coker 9663	61.4	61.4	51.8	33.3	48.1	65.1	46.6	97.8	69.8	63.0
Pioneer variety 26R12	89.8	89.8	72.4	59.9	68.2	82.1	58.2	89.7	76.7	76.8
Pioneer variety 26R15	94.8	94.8	72.9	91.8	79.2	86.3	66.3	88.2	80.3	82.6
Pioneer variety 26R58	78.6	78.6	60.4	46.0	55.7	74.2	58.2	85.8	72.7	61.1
Pioneer variety 26R61	69.8	69.8	99.1	69.4	89.2	95.2	77.8	92.7	88.6	85.3
Pioneer variety XW03X (Exp.)	87.5	87.5	100.7	83.3	94.9	113.7	58.5	120.1	97.5	94.9
Progeny 110	100.7	100.7	79.4	53.2	70.7	89.3	60.6	101.1	83.6	83.2
Progeny 133	106.7	106.7	83.7	62.1	76.5	96.2	69.2	97.4	87.6	88.1
Progeny 145	95.9	95.9	88.5	74.7	83.9	89.7	68.6	96.2	84.9	86.6
Progeny 156	90.5	90.5	76.4	59.2	70.7	80.4	67.8	83.5	77.2	77.8
Progeny 166	94.8	94.8	85.8	74.1	81.9	94.3	67.7	92.0	84.7	85.8
Progeny EK Exp 125 (Exp.)	76.2	76.2	44.4	29.9	40.0	48.0	41.8	90.8	60.2	57.5
Progeny EK Exp 155 (Exp.)	71.1	71.1	39.1	56.0	44.8	53.7	42.0	67.6	54.4	54.8
Progeny EK Exp 185 (Exp.)	84.2	84.2	68.6	50.2	62.5	80.5	63.8	91.2	78.5	75.2
Terral LA841	74.0	74.0	104.0	75.7	94.6	112.9	66.4	101.7	93.7	90.4
Terral TV8450	86.2	86.2	76.4	53.9	68.9	94.1	53.8	93.4	80.4	78.3
Terral TV8466	89.1	89.1	91.6	71.0	84.7	101.0	75.9	101.9	93.0	90.0
Terral TV8502	96.9	96.9	86.6	56.7	76.6	98.2	71.0	100.3	89.8	87.5
Terral TV8565	102.6	102.6	85.4	69.6	80.2	95.9	66.5	97.1	86.5	87.7
Terral TVX83W479 (Exp.)	87.1	87.1	95.5	41.1	77.4	94.9	76.5	102.9	91.5	86.8
Terral TVX84W451 (Exp.)	74.8	74.8	46.8	41.8	45.1	48.3	56.3	81.2	61.9	59.7
UGA 951079-2E31 (Exp.)	78.5	78.5	98.0	30.7	75.6	109.9	65.5	110.0	95.1	86.8
UGA 951216-2E26 (Exp.)	85.7	85.7	106.0	33.9	81.9	117.2	77.2	97.1	97.2	90.9
UGA 96229-3A41 (Exp.)	95.0	95.0	107.7	53.5	89.6	114.4	84.1	104.2	100.9	96.8
USG 3209	72.2	72.2	82.8	47.1	70.9	79.3	61.3	94.1	78.2	75.1
USG 3350	105.0	105.0	88.5	80.9	86.0	96.7	69.5	100.2	88.8	91.0
USG 3430	85.6	85.6	84.2	53.2	73.9	92.5	62.7	100.4	85.2	82.2
USG 3592	86.4	86.4	64.7	51.4	60.2	71.8	54.2	89.6	71.9	71.3
USG Exp. 910 (Exp.)	79.2	79.2	49.2	51.5	50.0	53.4	41.0	82.3	58.9	60.2
VA McCormick	77.2	77.2	35.5	38.3	36.4	53.7	57.0	72.0	60.9	57.2
VA00W-526 (Exp.)	79.4	79.4	90.3	54.3	78.3	87.7	74.3	108.7	90.2	85.0
Vigoro McIntosh	70.5	70.5	98.1	40.2	78.8	92.7	71.4	101.4	88.5	82.6
Vigoro V9513	95.1	95.1	90.6	78.5	86.6	98.3	66.3	91.8	85.5	87.5
Overall Mean	81.8	81.8	80.9	59.5	73.9	88.1	63.6	93.3	81.7	79.6
LSD (.10)	19.0	19.0	11.4	17.0	9.4	12.8	13.1	12.0	7.3	5.9
Error degrees of freedom	252	252	252	81	333	252	252	252	756	1341
CV (%)	19.9	19.9	12.0	16.9	13.3	12.4	17.6	11.1	13.2	14.8
R ² (%)	56	56	84	84	87	79	71	58	82	80

Table 8. 2-Year yield summary of 2003-04 and 2004-05 wheat variety trials in Mississippi.

Brand/Variety	Brooksville	North avg.	Newton	Raymond	South avg.	Cleveland	Issaquena	Minter City	Delta avg.	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriPro Beretta	95.4	95.4	91.0	78.2	85.5	86.0	82.6	77.3	82.4	85.7
AgriPro Natchez	87.5	87.5	92.2	62.1	79.3	81.6	84.0	82.2	82.6	82.4
AgriPro Panola	90.0	90.0	94.4	70.1	84.0	91.8	75.1	72.5	80.1	83.1
AgriPro Savage	84.9	84.9	85.6	64.1	76.4	83.1	72.5	83.3	79.3	79.4
AGS 2000	76.1	76.1	75.0	59.9	68.5	63.8	59.4	81.1	67.5	69.4
AGS 2485	69.2	69.2	53.5	56.0	54.5	34.0	42.9	63.6	46.1	52.8
AR Pat	77.9	77.9	85.3	80.4	83.2	87.9	70.0	77.3	78.4	79.8
Armor 3035	80.1	80.1	76.2	69.0	73.1	81.6	67.3	82.0	76.7	76.2
Armor 3330	86.7	86.7	78.7	63.3	72.1	87.8	65.8	86.9	79.6	78.5
Armor AXR 5109 (Exp.)	83.7	83.7	87.7	63.4	77.3	86.0	68.6	83.8	79.1	79.3
Delta Grow 4200	88.5	88.5	79.0	66.3	73.5	87.4	61.1	83.7	77.9	78.4
Delta Grow 4500	89.2	89.2	73.5	63.3	69.2	85.4	63.7	79.2	75.9	76.2
Delta King 1551W	80.6	80.6	89.9	75.4	83.7	80.0	72.7	80.6	77.6	80.0
Delta King 7710	81.3	81.3	83.2	69.8	77.5	87.3	69.8	84.6	80.0	79.1
Delta King 7830	79.4	79.4	74.9	65.5	70.9	84.5	66.6	91.3	83.0	77.5
Delta King 7900	82.9	82.9	81.3	67.1	75.2	95.8	70.1	85.2	83.6	80.9
Delta King 9216	82.6	82.6	78.1	69.3	74.3	74.3	67.7	84.1	74.5	75.9
Delta King 9410	82.1	82.1	77.7	65.5	72.4	90.2	72.6	76.2	79.7	77.9
Delta King 9577	93.2	93.2	89.5	66.3	79.5	95.1	71.7	88.5	84.9	84.7
Delta King 9650	86.4	86.4	63.8	65.2	64.4	52.8	-	70.0	61.4	66.8
Delta King GR9108	73.8	73.8	90.7	46.8	73.8	86.1	60.0	74.3	73.4	73.6
Dixie 900	96.5	96.5	84.5	71.4	78.9	93.1	71.9	86.3	83.5	84.5
Dixie 9512	96.0	96.0	85.2	64.7	76.4	91.3	67.9	88.6	81.7	82.7
Dixie 9812	88.2	88.2	83.2	63.3	74.7	88.2	62.1	85.6	78.3	78.9
HBK 3266	92.3	92.3	79.4	65.9	73.6	64.2	67.0	75.6	68.9	74.4
LA95181BUB40-1 (Exp.)	75.1	75.1	98.3	48.6	77.0	103.6	63.5	85.2	84.1	80.3
LA9560CA22-1 (Exp.)	76.1	76.1	96.1	66.1	83.2	94.5	73.7	87.1	85.1	83.0
NK Coker 9152	68.9	68.9	66.7	43.5	56.8	73.5	57.3	75.8	68.6	65.0
NK Coker 9375	74.5	74.5	70.4	55.5	64.0	82.8	68.2	78.6	76.5	72.2
NK Coker 9663	72.9	72.9	65.0	44.6	57.1	70.7	60.2	93.3	72.1	67.6
Pioneer variety 26R12	91.9	91.9	81.7	64.1	74.2	81.6	65.0	83.7	76.8	78.6
Pioneer variety 26R15	95.1	95.1	87.3	77.2	83.0	84.9	66.8	74.4	75.4	81.1
Pioneer variety 26R58	89.6	89.6	72.5	61.2	67.6	75.7	65.6	69.2	70.2	72.8
Pioneer variety 26R61	77.9	77.9	87.9	61.4	76.5	92.0	74.8	77.7	81.7	79.4
Progeny 110	91.1	91.1	72.5	66.9	70.1	87.4	64.6	93.0	80.6	79.2
Progeny 133	90.9	90.9	75.8	74.2	75.1	88.8	71.3	87.5	82.3	81.6
Progeny 145	92.0	92.0	80.3	68.9	75.4	85.7	74.0	85.9	81.5	81.5
Progeny 156	81.2	81.2	74.1	66.4	70.8	77.5	69.1	76.7	74.3	74.4
Progeny 166	88.6	88.6	78.2	69.8	74.6	90.8	69.2	82.7	80.7	80.2
Terral LA841	80.7	80.7	94.9	54.5	77.6	102.5	69.5	97.1	89.0	83.9
Terral TV8450	83.0	83.0	75.0	63.8	70.2	88.4	61.5	83.6	77.6	76.2
Terral TV8466	88.3	88.3	87.5	65.7	78.1	87.0	74.3	92.9	84.4	83.1
Terral TV8502	88.9	88.9	79.9	65.6	73.8	91.4	69.2	90.1	83.3	81.3
Terral TV8565	93.2	93.2	80.1	68.9	75.3	88.8	71.6	84.0	81.4	81.6
USG 3209	84.9	84.9	89.4	50.9	72.9	79.2	64.8	81.5	74.6	75.9
USG 3350	90.4	90.4	76.3	71.0	74.0	92.8	70.3	87.1	83.1	81.5
USG 3430	85.7	85.7	76.9	62.0	70.5	88.6	61.6	88.9	79.3	77.7
USG 3592	88.3	88.3	80.8	51.6	68.3	67.3	60.6	78.9	68.5	71.9
VA McCormick	89.3	89.3	62.5	49.9	57.1	61.3	62.6	66.4	63.4	66.0
Vigoro McIntosh	77.8	77.8	99.2	48.1	77.3	85.5	71.6	87.5	81.3	79.4
Overall Mean	85.1	84.8	81.2	63.8	73.5	83.9	67.8	82.3	78.7	77.7
LSD (.10)	11.9	11.2	7.1	8.6	5.3	7.9	8.3	9.5	4.9	3.6
Error degrees of freedom	329	293	330	217	487	330	323	264	804	1568
CV (%)	17.0	16.0	10.6	14.0	11.6	11.4	14.9	12.8	13.0	13.3
R ² (%)	54	57	80	74	84	75	59	78	77	77

Table 9. 3-Year yield summary of 2002-03, 2003-04, and 2004-05 wheat variety trials in Mississippi.

Brand/Variety	Brooksville	North avg.	Newton	South avg.	Cleveland	Issaquena	Minter City	Delta avg.	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgriPro Natchez	72.5	72.5	86.2	86.2	79.8	81.6	82.0	81.1	80.4
AgriPro Savage	70.2	70.2	83.2	83.2	78.1	72.9	87.8	79.1	78.1
AGS 2000	64.0	64.0	73.6	73.6	64.7	64.0	86.3	71.3	70.3
AGS 2485	56.5	56.5	59.8	59.8	40.9	51.0	71.2	53.9	55.6
AR Pat	62.1	62.1	80.6	80.6	81.9	69.0	82.2	77.7	75.2
Armor 3035	67.0	67.0	74.1	74.1	76.8	66.6	79.7	74.2	72.7
Delta Grow 4200	73.7	73.7	77.7	77.7	82.8	63.4	80.1	75.6	75.7
Delta Grow 4500	74.1	74.1	72.6	72.6	80.3	65.6	79.4	75.0	74.3
Delta King 1551W	65.3	65.3	85.8	85.8	74.6	73.7	81.5	76.4	76.1
Delta King 7900	70.0	70.0	79.5	79.5	88.4	71.5	82.0	80.6	78.2
Delta King 9216	67.4	67.4	75.3	75.3	73.6	67.5	80.3	73.4	72.6
Delta King 9410	69.5	69.5	75.6	75.6	84.0	72.2	78.3	78.1	75.9
Dixie 900	79.4	79.4	82.2	82.2	89.5	70.9	85.3	81.7	81.3
Dixie 9512	77.9	77.9	82.1	82.1	87.6	67.2	87.1	80.0	80.0
NK Coker 9152	59.2	59.2	70.6	70.6	74.5	64.7	82.9	74.0	70.2
NK Coker 9375	62.6	62.6	69.5	69.5	76.0	66.8	81.3	74.5	71.1
NK Coker 9663	64.4	64.4	65.6	65.6	67.9	65.7	85.8	72.0	69.1
Pioneer variety 26R12	76.0	76.0	76.9	76.9	77.5	67.1	82.8	75.8	76.0
Pioneer variety 26R58	73.3	73.3	73.6	73.6	73.3	67.1	77.6	72.7	73.0
Pioneer variety 26R61	62.6	62.6	82.5	82.5	80.7	75.7	79.0	78.4	76.0
Progeny 110	75.1	75.1	72.9	72.9	83.5	66.8	88.4	79.1	77.0
Progeny 145	75.0	75.0	76.3	76.3	82.1	72.2	88.6	80.5	78.5
Progeny 156	69.1	69.1	73.0	73.0	75.5	69.0	76.5	73.6	72.5
Progeny 166	71.4	71.4	76.6	76.6	85.1	69.5	77.1	77.2	75.9
Terral LA841	64.0	64.0	86.2	86.2	90.7	72.1	91.6	84.4	80.6
Terral TV8450	70.0	70.0	75.0	75.0	83.8	64.5	80.0	76.0	74.6
Terral TV8466	73.1	73.1	82.7	82.7	79.6	69.5	87.7	78.7	78.4
Terral TV8502	73.1	73.1	77.9	77.9	87.7	71.5	88.9	82.5	79.7
Terral TV8565	76.1	76.1	77.7	77.7	83.0	71.4	82.3	78.8	78.0
USG 3209	70.6	70.6	85.0	85.0	75.0	66.3	82.1	74.0	75.6
USG 3350	77.0	77.0	75.7	75.7	86.3	69.8	79.8	78.5	77.7
USG 3430	71.4	71.4	75.5	75.5	83.5	64.4	89.8	78.9	76.7
VA McCormick	72.6	72.6	67.3	67.3	62.2	66.9	70.5	66.6	67.9
Overall Mean	70.2	69.9	76.8	76.6	79.3	68.7	82.5	76.2	75.0
LSD (.10)	8.3	7.7	4.5	4.6	5.5	5.7	6.7	3.4	2.7
Error degrees of freedom	321	285	324	288	324	322	279	821	1394
CV (%)	17.6	16.3	8.8	8.9	10.2	12.2	11.5	11.4	12.0
R ² (%)	84	86	82	83	79	63	75	77	82

Table 10. Wheat varietal reactions to disease in Mississippi.^{1,2}

Brand/Variety	Stripe rust ²	Brand/Variety	Stripe rust ²
AgriPro APW 742 (Exp.)	MR	LA95181BUB40-1 (Exp.)	R
AgriPro APW 749 (Exp.)	MR	LA952D3-1-3-C	MR
AgriPro Beretta	MR	LA95283CA78-1-2-B	-
AgriPro Natchez	MR	LA9560CA22-1 (Exp.)	MS
AgriPro Panola	MR	LA96140BUA70-2	R
AgriPro Savage	MS	LA97113UC-124-3-B	MR
AGS 2000	S	NK Coker 9152	S
AGS 2485	VS	NK Coker 9375	MR
AR Pat	R	NK Coker 9663	S
Armor 2010	MR	Pioneer variety 26R12	MR
Armor 3035	R	Pioneer variety 26R15	R
Armor 3330	MR	Pioneer variety 26R58	S
Armor AXR 5099 (Exp.)	MR	Pioneer variety 26R61	R
Armor AXR 5109 (Exp.)	MR	Pioneer variety XW03X (Exp.)	R
Armor AXR 5299 (Exp.)	MS	Progeny 110	MR
Armor AXR 5667 (Exp.)	MS	Progeny 133	MR
Delta Grow 4100	MS	Progeny 145	MR
Delta Grow 4200	R	Progeny 156	MR
Delta Grow 4500	R	Progeny 166	R
Delta Grow 5200	MR	Progeny EK Exp 125 (Exp.)	MS
Delta King 1551W	MR	Progeny EK Exp 155 (Exp.)	MR
Delta King 7710	MR	Progeny EK Exp 185 (Exp.)	MR
Delta King 7830	MR	Terral LA841	R
Delta King 7900	MR	Terral TV8450	MS
Delta King 9216	MS	Terral TV8466	MR
Delta King 9410	MR	Terral TV8502	MS
Delta King 9577	MS	Terral TV8565	MR
Delta King 9650	MR	Terral TVX83W479 (Exp.)	MS
Delta King GR9108	MR	Terral TVX84W451 (Exp.)	MS
Delta King XTJ321 (Exp.)	MS	UGA 951079-2E31 (Exp.)	MR
Delta King XTJ322 (Exp.)	MR	UGA 951216-2E26 (Exp.)	MR
Delta King XTJ323 (Exp.)	S	UGA 96229-3A41 (Exp.)	R
Dixie 900	R	USG 3209	MR
Dixie 9512	MR	USG 3350	MR
Dixie 9812	MR	USG 3430	MR
Dixie Bell DB1170	R	USG 3592	MS
Dixie Bell DB2125	MR	USG Exp. 910 (Exp.)	MS
Dixie Bell DB2150	MR	VA McCormick	MS
Dixie Bell DB1224	MR	VA00W-526 (Exp.)	MR
HBK 3266	MR	Vigoro McIntosh	R
LA95135D54-2-3-C	MR	Vigoro V9513	MR

¹Prepared by Dr. David Ingram, Associate Extension/Research Plant Pathologist, Central Mississippi Research & Extension Center, Raymond, MS.

²Stripe rust proved to be a substantial problem in this season's wheat crop. Nearly every trial location had stripe rust infection in susceptible varieties. Stripe rust infection timing was generally earlier in relation to crop maturity in the southern locations. MSU chose to not treat the MAFES variety trials with fungicide applications to control disease development, so that varietal reaction to stripe rust would be reflected in the research data.

³Diseases rated visually using James' Manual of Assessment Keys for Plant Diseases. Each replicated plot was visually rated for percentage of flag leaf area affected. Values were subjected to analysis of variance and means separated by LSD (P=0.05). The values were compared to a set of arbitrary standard values for R=resistant (<1%); MR=moderately resistant (1-5%); MS= moderately susceptible (5-10%); S=susceptible (10-25%); VS=very susceptible (>25%); and - = no disease symptoms observed. Values reflect varietal disease reaction only, and is not intended to be used as the sole criterion for determination of economic losses. It is recommended that several years data be compared as disease incidence and severity vary from location to location and year to year.

Table 11. Average number of wheat seeds per pound for varieties entered in 2005 variety trials.

Brand/Variety	2004-05 average	2-year average	Brand/Variety	2004-05 average	2-year average
	<i>seeds/lb</i>	<i>seeds/lb</i>		<i>seeds/lb</i>	<i>seeds/lb</i>
AgriPro APW 742 (Exp.)	13,816	-	LA95181BUB40-1 (Exp.)	12,788	12,368
AgriPro APW 749 (Exp.)	13,898	-	LA952D3-1-3-C	12,094	-
AgriPro Beretta	12,379	12,225	LA95283CA78-1-2-B	10,629	-
AgriPro Natchez	11,151	11,583	LA9560CA22-1 (Exp.)	12,987	12,003
AgriPro Panola	13,655	13,136	LA96140BUA70-2	12,706	-
AgriPro Savage	13,956	15,534	LA97113UC-124-3-B	10,450	-
AGS 2000	10,265	10,635	NK Coker 9152	12,646	12,617
AGS 2485	12,895	13,069	NK Coker 9375	12,037	11,630
AR Pat	15,751	14,314	NK Coker 9663	12,267	11,925
Armor 2010	11,731	-	Pioneer variety 26R12	12,935	15,080
Armor 3035	16,127	14,758	Pioneer variety 26R15	12,958	13,056
Armor 3330	12,020	12,433	Pioneer variety 26R58	12,166	13,027
Armor AXR 5099 (Exp.)	17,778	-	Pioneer variety 26R61	10,718	10,608
Armor AXR 5109 (Exp.)	13,415	12,946	Pioneer variety XW03X (Exp.)	11,052	-
Armor AXR 5299 (Exp.)	12,736	-	Progeny 110	14,200	14,021
Armor AXR 5667 (Exp.)	13,576	-	Progeny 133	13,470	14,261
Delta Grow 4100	15,151	-	Progeny 145	13,793	13,756
Delta Grow 4200	12,393	13,133	Progeny 156	14,022	14,288
Delta Grow 4500	12,909	13,784	Progeny 166	13,810	13,719
Delta Grow 5200	13,101	-	Progeny EK Exp 125 (Exp.)	11,949	-
Delta King 1551W	14,841	14,802	Progeny EK Exp 155 (Exp.)	13,926	-
Delta King 7710	13,610	-	Progeny EK Exp 185 (Exp.)	14,832	-
Delta King 7830	12,784	-	Terral LA841	12,471	12,628
Delta King 7900	13,948	13,944	Terral TV8450	13,443	14,080
Delta King 9216	13,145	13,215	Terral TV8466	12,331	12,778
Delta King 9410	12,242	12,990	Terral TV8502	13,412	13,454
Delta King 9577	17,587	16,081	Terral TV8565	13,945	13,073
Delta King 9650	15,560	14,083	Terral TVX83W479 (Exp.)	17,731	-
Delta King GR9108	11,015	11,730	Terral TVX84W451 (Exp.)	15,676	-
Delta King XTJ321 (Exp.)	12,052	-	UGA 951079-2E31 (Exp.)	12,255	-
Delta King XTJ322 (Exp.)	11,383	-	UGA 951216-2E26 (Exp.)	12,689	-
Delta King XTJ323 (Exp.)	12,839	-	UGA 96229-3A41 (Exp.)	13,930	-
Dixie 900	11,982	12,808	USG 3209	12,325	11,860
Dixie 9512	13,147	13,757	USG 3350	15,240	14,991
Dixie 9812	11,994	12,336	USG 3430	15,035	13,478
Dixie Bell DB1170	12,001	12,326	USG 3592	13,116	15,677
Dixie Bell DB2125	13,173	13,205	USG Exp. 910 (Exp.)	11,880	-
Dixie Bell DB2150	12,372	12,298	VA McCormick	14,821	15,080
Dixie Bell DB1224	13,853	13,233	VA00W-526 (Exp.)	16,396	-
HBK 3266	12,262	12,978	Vigoro McIntosh	14,326	14,017
LA95135D54-2-3-C	11,867	-	Vigoro V9513	14,127	-

Table 12. Average number of oat seeds per pound for varieties entered in 2005 variety trials.

Brand/Variety	2004-05 average	2-year average	Brand/Variety	2004-05 average	2-year average
	<i>seeds/lb</i>	<i>seeds/lb</i>		<i>seeds/lb</i>	<i>seeds/lb</i>
ARO 258-7	16,510	16,546	LA97006GBS-22-B-S2	15,366	15,340
Horizon 321	14,456	15,096	LA98002SBS-26-B-S1	12,440	12,624
Horizon 474	16,487	16,449	LA98009SBS-49-B-S1	16,136	15,813
LA95033D63-1-C-S3	15,652	-	LA98010SBS-58	13,003	13,059
LA966BSB119-1	12,803	-	LA9825SBSB-59-C	14,193	-
LA966BSB-270-S-C	13,785	-	Terral Secretariat LA495	16,157	16,624

Table 13. 2004-05 oat yields at location 2, MAFES Black Belt Branch, Brooksville (Brooksville silt clay soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>		<i>in</i>	
ARO258-7	130.0	119.7	-	37	04/17	36	1
LA97006GBS-22-B-S2	122.6	99.3	94.8	35	04/19	45	1
Secretariat LA495	115.9	111.3	106.9	35	04/11	39	1
LA98002SBS-26-B-S1	112.4	93.1	-	37	04/17	48	1
LA95033D63-1-C-S3	111.1	-	-	33	04/17	40	1
LA966BSB119-1	110.4	-	-	35	04/17	46	1
LA98010SBS-58	109.9	107.8	-	36	04/11	39	1
LA9825SBSB-59-C	108.1	-	-	35	04/17	42	1
LA966BSB-270-S2-C	107.2	-	-	34	04/17	41	1
Horizon 321	106.1	100.2	88.5	35	04/11	37	1
LA98009SBS-49-B-S1	105.5	82.7	82.6	35	04/19	42	1
Horizon 474	88.2	68.8	70.1	35	04/11	43	1
Overall mean	110.6	97.9	88.6				
LSD (.10)	29.0	19.6	15.8				
Error degrees of freedom	33	42	36				
CV (%)	21.9	23.8	26.0				
R ² (%)	80	78	77				

¹Planted November 1, 2004

Harvested June 8, 2005

Soil fertility: pH=6.4; P=M; K=M

Fertilizer added: Preplant - 13-13-13 @ 250 lb/A; Topdress - 34-0-0 @ 265 lb/A

Previous Crop: Soybeans

²See "Procedures" for a description of lodging scores.

Table 14. 2004-05 oat yields at location 7, MAFES Coastal Plain Branch, Newton (Prentiss very fine sandy loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Date headed	Plant height	Lodging score ²
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>		<i>in</i>	
LA98009SBS-49-B-S1	137.8	105.9	100.3	34	04/18	44	1
ARO258-7	134.5	130.8	-	34	04/18	40	1
Horizon 321	133.9	110.6	107.9	36	04/15	44	1
LA98002SBS-26-B-S1	131.3	109.3	-	35	04/18	48	1
LA98010SBS-58	130.1	112.8	-	35	04/13	48	1
Secretariat LA495	127.4	117.7	113.9	33	04/15	46	1
LA97006GBS-22-B-S2	127.4	88.6	96.9	31	04/15	47	1
LA966BSB-270-S2-C	127.1	-	-	33	04/13	45	1
LA966BSB119-1	122.9	-	-	30	04/15	46	1
LA9825SBSB-59-C	118.7	-	-	32	04/15	48	1
LA95033D63-1-C-S3	99.3	-	-	30	04/15	42	2
Horizon 474	86.2	82.0	84.9	32	04/11	44	1
Overall mean	123.1	107.2	100.8				
LSD (.10)	21.0	14.7	9.2				
Error degrees of freedom	33	42	36				
CV (%)	14.3	16.3	13.2				
R ² (%)	58	81	88				

¹Planted November 10, 2004

Harvested June 9, 2005

Soil fertility: pH=6.4; P=H; K=H

Fertilizer added: Topdress - 34-0-0 @ 235 lb/A (2/11/05)

Herbicide: None

Previous Crop: Oats

²See "Procedures" for a description of lodging scores.

Table 15. 2004-05 oat yields at location 8, MAFES Brown Loam Branch, Raymond (Loring silt loam soil).¹

Brand/Variety	2004-05 yield	2-Year avg. yield	3-Year avg. yield ²	Test weight	Date headed ³	Plant height	Lodging score ⁴
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>lb/bu</i>		<i>in</i>	
LA966BSB-270-S2-C	121.6	-	-	30	-	44	2
LA98002SBS-26-B-S1	115.9	114.1	-	23	-	44	2
LA98010SBS-58	100.8	94.3	-	31	-	43	1
LA966BSB119-1	100.0	-	-	32	-	48	2
LA98009SBS-49-B-S1	96.8	97.5	-	29	-	45	3
LA97006GBS-22-B-S2	95.3	99.8	-	31	-	45	3
LA9825SBSB-59-C	92.8	-	-	30	-	42	1
Horizon 474	90.3	92.4	-	31	-	39	2
Horizon 321	89.6	91.3	-	29	-	37	4
LA95033D63-1-C-S3	86.3	-	-	25	-	42	1
Secretariat LA495	61.6	84.6	-	24	-	45	4
ARO258-7	55.1	66.3	-	28	-	35	3
Overall mean	92.2	92.5	-				
LSD (.10)	18.2	11.6	-				
Error degrees of freedom	33	42	-				
CV (%)	16.5	14.9	-				
R ² (%)	75	72	-				

¹Planted November 15, 2004

Harvested June 13, 2005

Soil fertility: pH=6.5; P=H; K=M

Fertilizer added: Topdress - N @ 105 lb/A

Previous Crop: Corn

²No 3-year averages.

³No heading dates taken.

⁴See "Procedures" for a description of lodging scores.

Table 16. Yield summary of 2004-05 oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Raymond	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
ARO 258-7	130.0	134.5	55.1	106.6
Horizon 321	106.1	133.9	89.6	110.0
Horizon 474	88.2	86.2	90.3	88.2
LA95033D63-1-C-S3	111.1	99.3	86.3	98.9
LA966BSB119-1	110.4	122.9	100.0	111.1
LA966BSB-270-S-C	107.2	127.1	121.6	118.7
LA97006GBS-22-B-S2	122.6	127.4	95.3	115.1
LA98002SBS-26-B-S1	112.4	131.3	115.9	119.9
LA98009SBS-49-B-S1	105.5	137.8	96.8	113.4
LA98010SBS-58	109.9	130.1	100.8	113.6
LA9825SBSB-59-C	108.1	118.7	92.8	106.5
Terral Secretariat LA495	115.9	127.4	61.6	101.7
Overall Mean	110.6	123.1	92.2	108.6
LSD (.10)	29.0	21.0	18.2	13.1
Error degrees of freedom	33	33	33	99
CV (%)	21.9	14.3	16.5	17.8
R ² (%)	80	58	75	79

Table 17. 2-Year yield summary of 2003-04 and 2004-05 oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Raymond	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	
ARO 258-7	119.7	130.8	66.3	105.6
Horizon 321	100.2	110.6	91.3	100.7
Horizon 474	68.8	82.0	92.4	81.1
LA97006GBS-22-B-S2	99.3	88.6	99.8	95.9
LA98002SBS-26-B-S1	93.1	109.3	114.1	105.5
LA98009SBS-49-B-S1	82.7	105.9	97.5	95.4
LA98010SBS-58	107.8	112.8	94.3	105.0
Terral Secretariat LA495	111.3	117.7	84.6	104.5
Overall Mean	97.9	107.2	92.5	99.2
LSD (.10)	19.6	14.7	11.6	8.9
Error degrees of freedom	42	42	42	126
CV (%)	23.8	16.3	14.9	18.8
R ² (%)	78	81	72	79

Table 18. 3-Year yield summary of 2002-03, 2003-04, and 2004-05 oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Overall avg.
	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Horizon 321	88.5	107.9	98.2
Horizon 474	70.1	84.9	77.5
LA97006GBS-22-B-S2	94.8	96.9	95.8
LA98009SBS-49-B-S1	82.6	100.3	91.5
Terral Secretariat LA495	106.9	113.9	110.4
Overall Mean	88.6	100.8	94.7
LSD (.10)	15.8	9.2	9.0
Error degrees of freedom	36	36	72
CV (%)	26.0	13.2	19.8
R ² (%)	77	88	82

COMMERCIAL WHEAT BRANDS/VARIETIES ENTERED

AgriPro Seeds Inc. P.O. Box 2365 Jonesboro, AR 72402	AgriPro Beretta AgriPro Natchez AgriPro Panola	AgriPro Savage AgriPro APW 742 (Exp.) AgriPro APW 749 (Exp.)
AgSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 2000 AGS 2485	
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor 2010 Armor 3035 Armor 3330 (was AXR5888) Armor AXR 5099 (Exp.)	Armor AXR 5109 (Exp.) Armor AXR 5299 (Exp.) Armor AXR 5667 (Exp.)
B&S Seed Company, Inc. 1283 Hwy. 444 Duncan, MS 38740	Dixie Bell DB1224 Dixie Bell DB1170	Dixie Bell DB2125 Dixie Bell DB2150
Cache River Valley Seed P.O. Box 10 Cash, AR 72421	Dixie 900 Dixie 9512 Dixie 9812	
Delta Grow Seed P.O. Box 219 220 NW 2nd England, AR 72046	Delta Grow 4100 Delta Grow 4200	Delta Grow 4500 Delta Grow 5200
Delta King Seed Company P.O. Box 970 McCrory, AR 72101	DK 1551W DK 7710 DK 7830 DK 7900 DK 9216 DK 9410	DK 9577 DK 9650 DK XTJ 321 (Exp.) DK XTJ 322 (Exp.) DK XTJ 323 (Exp.) DK GR9108
Hornbeck Seed Company P.O. Box 472 DeWitt, AR 72042	HBK 3266	
Pioneer Hi-Bred Intl. 7501 Memorial Pkwy. Ste 205 Huntsville, AL 35802	Pioneer variety 26R12 Pioneer variety 26R15 Pioneer variety 26R58	Pioneer variety 26R61 Pioneer variety XW03X (Exp.)
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 110 Progeny 133 Progeny 145 Progeny 156	Progeny 166 Progeny EK Exp. 125 (Exp.) Progeny EK Exp. 155 (Exp.) Progeny EK Exp. 185 (Exp.)
Royster-Clark, Inc. 717 Robinson Road SE Washington, C.H., OH 43160	Vigoro McIntosh (was UGA 931233-E17) Vigoro V9513	
Syngenta Seeds, Inc. 778 CR 680 Bay, AR 72411	NK Coker 9152 NK Coker 9375 NK Coker 9663	
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral LA841 Terral TV8450 Terral TV8466 Terral TV8502	Terral TV8565 Terral TVX83W479 (Exp.) Terral TVX84W451 (Exp.)
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 3209 USG 3350 USG 3430	USG 3592 USG Exp. 910 (Exp.)

PUBLIC WHEAT VARIETIES ENTERED

University of Arkansas 115 Plant Science Bldg. Fayetteville, AR 72701	AR Pat	
University of Georgia UGA-CAES-Griffin Campus 1109 Experiment St. Griffin, GA 30223	UGA 951079-2E31 (Exp.) UGA 951216-2E26 (Exp.) UGA 96229-3A41 (Exp.)	
Louisiana State University LSU Dept. of Agronomy 221 M. B. Sturgis Hall Baton Rouge, LA 70803	LA95135D54-2-3-C (Exp.) LA95181BUB40-1 (Exp.) LA952D3-1-3-C (Exp.) LA95283CA78-1-2-B (Exp.)	LA9560CA22-1 (Exp.) LA96140BUA70-2 (Exp.) LA97113UC-124-3-B (Exp.)
VPI & SU/VCIA 2229 Menokin Rd. Warsaw, VA 22572	VA McCormick VAOOW-526 (Exp.)	

PUBLIC AND COMMERCIAL OAT BRANDS/VARIETIES ENTERED

University of Arkansas 115 Plant Science Bldg. Fayetteville, AR 72701	ARO 258-7 (Exp.)	
Louisiana State University LSU Dept. of Agronomy 221 M. B. Sturgis Hall Baton Rouge, LA 70803	LA95033D63-1-C-S3 (Exp.) LA966BSB119-1 (Exp.) LA966BSB-270-S2-C (Exp.) LA97006GBS-22-B-S2 (Exp.)	LA98002SBS-26-B-S1 (Exp.) LA98009SBS-49-B-S1 (Exp.) LA98010SBS-58 (Exp.) LA9825SBSB-59-C (Exp.)
Plantation Seed P.O. Box 398 Newton, GA 39870	Horizon 321 Horizon 474	
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral Secretariat LA495	

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