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Mississippi WHEAT & OAT VARIETY TRIALS 2001

Experiment Station
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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 19-20 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 19-20.

Mississippi Wheat and Oat Variety Trials, 2001

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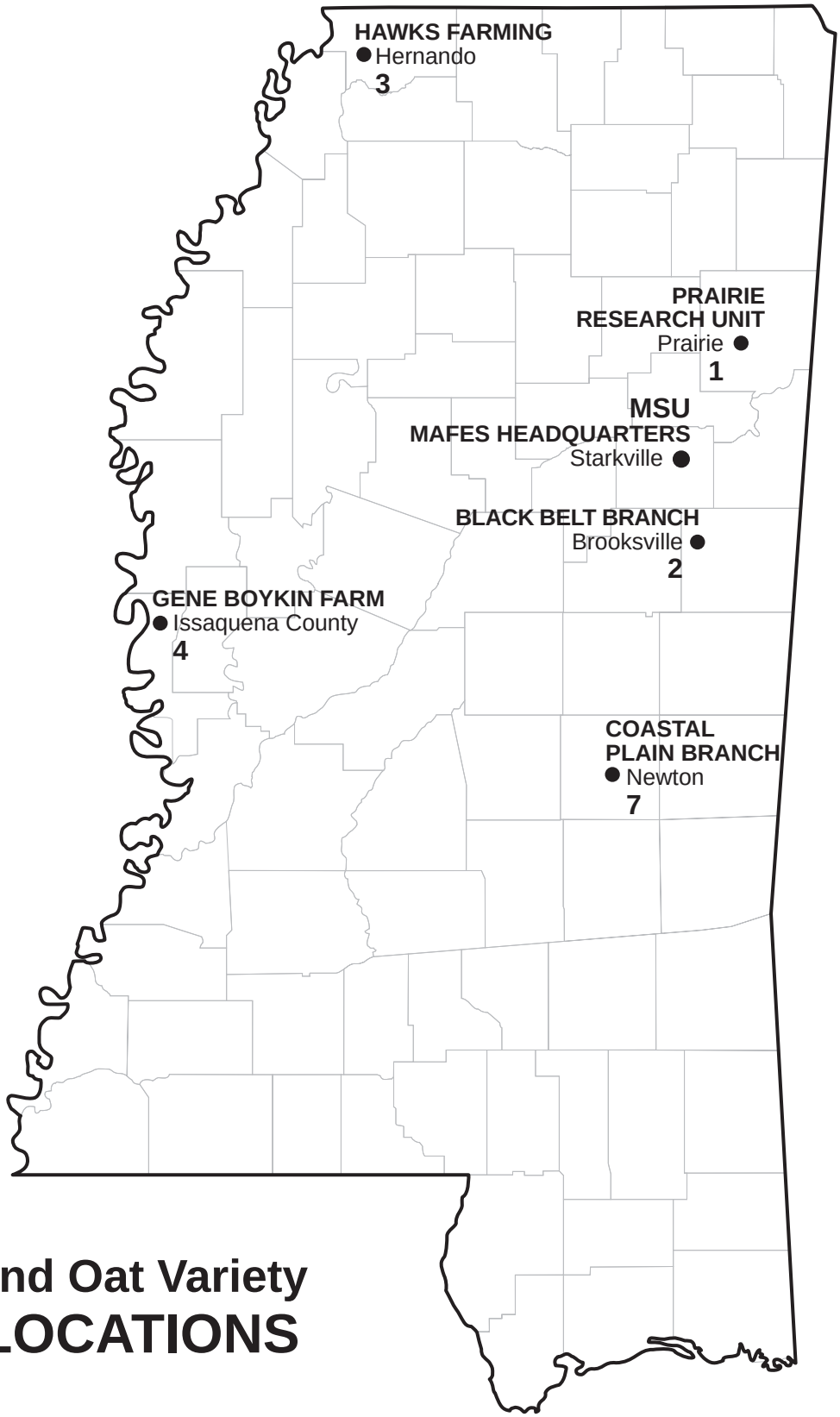

Wheat and Oat Variety
TEST LOCATIONS

Mississippi Wheat and Oat Variety Trials, 2001

Introduction

Small grains are grown throughout Mississippi. Wheat is the primary crop, followed by oats. Wheat and oat variety trials were conducted at five locations in Mississippi in 2000-2001. Wheat yields in the range of 30 to 50 bushels per acre were common, and yields in the 60- to 80-bushel range were produced under good management and favorable weather conditions. Oat yields from 50 to 80 bushels per acre were 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 20-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 maximum 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 panicle.

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 technique ensures 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 discing. 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 overseeding 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 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 20 plants per square foot.

Cold Requirements. Winter varieties of small grains require a period of cold weather (less than 40°F) before the plants will form seed heads. The time varies with variety, but approximately 4 to 9 weeks are required. This process is called vernalization. Most of the wheat varieties planted in the state 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 and Disease Resistance. Several diseases may attack wheat and oat plants in Mississippi. Leaf rust, stem rust, and several head diseases are very common. Planting disease-resistant varieties is the most practical and economical control; however, chemical control may be required to control severe outbreaks. For more specific information, refer to *Extension Plant Disease Dispatch* M-123.

Fertilization. Keep soil pH 6 or higher. Have soil tested and apply lime, phosphate, and potash according to 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 requires approximately 2 pounds of nitrogen for each bushel of grain produced. Apply approximately 25% of the nitrogen in the fall. Apply the remainder 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 seen 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 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. 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 - Prairie Research Unit, Prairie. Sufficient rainfall after planting resulted in a good stand of wheat and oats. Rainfall was adequate to heavy during the growing season. Colder-than-normal temperatures did not adversely affect the wheat; however, the oats suffered severe winterkill.

Location 2 - Black Belt Branch, Brooksville. Wheat and oats were planted into moist soil followed by rain, ensuring a good stand. Winter weather was cold and wet, but wheat and oats sustained the adverse conditions. Harvest was slightly delayed by rain in early June.

Location 3 - Hawks Farming, Hernando. This location experienced timely stand establishment and good growing conditions to heading. Armyworms were controlled in May. Although there was some concern about rainfall negatively affecting seed quality and test weight, the impact was not visible. The crop finished under hot and dry conditions.

Location 4 - Gene Boykin Farm, Issaquena County. The wheat trials were planted in late October 2000. Wheat emergence occurred in early November. Cold, wet conditions persisted during the winter. April and May were considerably drier than normal. Replication 1 was not harvested because the test suffered considerable damage from a neighboring cornfield when an early burn down herbicide application was made before planting.

Location 7 - Coastal Plain Branch, Newton. Dry soil conditions initially delayed planting, but once rains did come they further delayed planting until the first week in December. An adequate stand was achieved in almost all plots. Abundant rainfall and the coldest winter in years followed planting; however, this did not appear to affect stand or plant growth. In February, temperatures normalized, and adequate moisture allowed plant growth to flourish. Disease pressure was not significant, but birds did cause some damage to oats. Harvest was delayed about 10 days by rainfall, which caused some yield loss.

Table 1. 2000-2001 wheat yields at location 1, MAFES Prairie Research Unit in Prairie (Houston clay).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Pioneer variety XW586	106.5	–	–	59	38.3	04/18	32	2
USG 3209	97.7	84.6	81.9	59	37.9	04/19	34	2
Pioneer variety 26R38	96.7	81.7	–	60	41.2	04/21	36	2
Pioneer variety 26R46	95.4	80.8	76.7	60	42.3	04/22	32	1
GA901146E15	94.2	83.4	–	57	30.9	04/23	32	1
Genesis M86	94.0	–	–	58	33.6	04/20	37	2
Genesis 9939	93.5	85.3	81.5	60	35.8	04/23	35	2
USG 3709	91.6	81.2	–	59	39.4	04/23	34	2
AgriPro Mason	91.4	–	–	57	38.0	04/18	34	1
Terral LA422	91.3	80.2	75.9	58	34.6	04/21	35	3
VA98W-593	91.3	–	–	61	34.7	04/22	33	2
Delta King 9216	90.8	–	–	59	37.2	04/26	35	1
Terral TVX8450	90.6	–	–	58	32.9	04/23	40	2
Pioneer variety 26R61	90.5	–	–	61	41.1	04/22	37	1
AgriPro Patton	90.2	84.8	80.1	58	35.4	04/20	34	1
Dixie 922	90.0	–	–	58	34.1	04/23	34	1
Delta King XTJ 7531	90.0	–	–	59	32.1	04/22	35	2

[1]Planted November 7, 2000 Harvested June 19, 2001 Soil fertility: pH=7.7; P=M; K=H.
Fertilizer added: 120 lb/A N Herbicide: Hoelon @ 1.5 pt/A Previous crop: Canola
[2]See "Procedures" for a description of lodging scores.

Table 1 (continued). 2000-2001 wheat yields at location 1, MAFES Prairie Research Unit in Prairie (Houston clay).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Dixie 900	89.4	–	–	59	33.6	04/24	37	2
SS 522	88.8	81.1	76.3	62	34.9	04/23	34	3
VA96W-270	88.7	82.6	–	58	37.3	04/17	35	2
Delta King 1551W	88.5	83.7	78.4	58	32.5	04/26	32	1
AgriPro Shelby	87.8	78.9	74.4	60	36.2	04/24	40	3
SC952746	87.6	–	–	58	44.3	04/19	41	3
Pioneer variety 2684	86.8	83.4	83.9	59	40.3	04/21	33	2
NK BL940812	86.7	–	–	62	34.1	04/21	34	2
GA 91426E39	86.3	–	–	59	35.9	04/24	33	1
Terral TVX8565	86.3	–	–	57	34.3	04/24	36	1
Delta King XTJ 7357	86.3	–	–	57	32.6	04/22	34	2
FFR 522W	86.0	79.7	–	60	34.8	04/21	33	3
AGS 2000	85.5	78.8	–	61	41.7	04/20	33	2
AR839-27-1-3	85.3	–	–	60	34.6	04/21	38	2
Delta King 9410	85.0	–	–	57	32.4	04/23	39	2
SS 516	84.7	81.0	–	58	35.9	04/23	32	2
Terral TV 8555	84.4	80.5	75.1	59	34.4	04/25	33	2
Genesis 9953	84.2	–	–	57	37.1	04/21	35	2
Terral TV8910	83.8	82.7	–	58	34.9	04/25	36	2
Delta King XTJ 7900	83.6	–	–	58	33.3	04/23	35	2
Delta King XTJ 7599	83.3	–	–	59	34.8	04/23	33	1
LA90518PB43-3-1-4	83.1	–	–	59	37.1	04/22	34	1
Delta King XTJ 3333	82.2	–	–	59	29.5	04/23	35	3
Delta King XTJ 7777	81.7	–	–	60	32.4	04/20	37	2
NK Coker 9663	81.6	78.3	74.4	60	38.2	04/24	38	2
Delta King 9027	80.8	79.5	73.9	60	30.2	04/23	36	3
Roane	80.6	79.3	74.4	59	30.5	04/22	31	2
Dixie 911	80.6	81.5	–	60	30.6	04/25	34	2
Croplan Genetics SR218	79.6	74.2	–	60	36.9	04/24	38	2
Delta King 9121	79.4	76.3	69.6	60	28.8	04/24	32	2
NK BL940582	79.0	–	–	57	35.6	04/24	36	2
AgriPro Natchez	78.8	–	–	58	36.1	04/28	39	4
FFR 510	78.8	73.6	–	57	34.3	04/19	38	2
AR LA85411	78.7	76.9	73.0	60	34.7	04/20	34	2
AgriPro Mallard	78.6	85.9	79.5	60	34.8	04/22	32	2
VA97W-206	78.5	–	–	59	38.1	04/23	31	4
Sabbe	77.9	76.6	–	58	38.2	04/22	38	2
AgriPro M96*4403	77.7	–	–	60	38.1	04/23	36	1
AR584A-3-1	76.6	78.4	–	59	36.1	04/23	39	3
AR494B-2-2	76.5	75.2	–	60	37.4	04/25	38	2
SS 518	75.2	73.9	–	59	34.1	04/20	30	2
Dixie 2000	75.0	76.1	–	60	30.5	04/23	35	2
Delta King XTJ 9333	74.3	–	–	60	35.9	04/23	36	1
Croplan Genetics SR204	72.0	79.1	–	61	30.8	04/25	36	2
SS 535	71.4	73.9	–	59	32.3	04/24	30	1
AgriPro Shiloh	69.8	65.6	65.0	58	36.8	04/23	33	1
SC960057	68.4	–	–	56	30.3	04/28	40	1
Overall Mean	84.5	79.4	75.9					
LSD (.10)	10.7	7.6	5.3					
Error degrees of freedom	189	192	135					
CV (%)	10.8	11.6	10.3					
R^2 (%)	47	53	69					

[1]Planted November 7, 2000 Harvested June 19, 2001 Soil fertility: pH=7.7; P=M; K=H.
Fertilizer added: 120 lb/A N Herbicide: Hoelon @ 1.5 pt/A Previous crop: Canola
[2]See “Procedures” for a description of lodging scores.

Table 2. 2000-2001 wheat yields at location 2, MAFES Black Belt Branch in Brooksville (Brooksville silty clay).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
AgriPro Shelby	111.4	98.1	75.5	58	30.8	04/18	37	3
Pioneer variety 26R46	109.7	101.5	80.2	59	37.2	04/10	35	1
Pioneer variety XW586	108.8	–	–	59	35.6	04/16	30	1
Genesis M86	107.4	–	–	58	30.3	04/13	37	2
Delta King 9410	105.0	–	–	57	30.1	04/15	38	2
Dixie 900	103.6	–	–	57	30.4	04/12	36	1
NK BL940812	103.2	–	–	60	30.2	04/11	36	1
NK BL940582	103.1	–	–	58	34.8	04/11	39	1
Pioneer variety 26R38	102.3	106.5	–	58	36.0	04/09	40	1
Dixie 922	100.5	–	–	58	30.0	04/11	35	1
Delta King XTJ 7357	96.7	–	–	58	28.5	04/17	36	2
Delta King 9216	96.4	–	–	56	29.5	04/10	36	1
Terral TVX8565	96.2	–	–	57	29.1	04/10	38	2
Delta King 1551W	96.2	95.4	71.9	58	28.1	04/14	30	1
AgriPro Natchez	95.8	–	–	57	31.3	04/11	35	3
Terral TVX8450	95.6	–	–	57	29.4	04/13	36	1
Delta King XTJ 9333	95.5	–	–	57	32.7	04/14	41	2
Delta King XTJ 7599	95.2	–	–	58	31.1	04/12	38	1
Delta King XTJ 7777	95.0	–	–	58	30.1	04/10	38	2
Delta King XTJ 7531	94.9	–	–	57	27.8	04/13	39	3
Pioneer variety 2684	94.9	98.4	76.8	59	34.9	04/13	35	3
AR839-27-1-3	94.8	–	–	59	30.9	04/14	37	1
Genesis 9939	94.7	93.8	70.8	56	25.8	04/11	33	1
LA90518PB43-3-1-4	94.6	–	–	56	29.9	04/09	38	2
VA96W-270	94.4	99.1	–	57	31.9	04/10	29	1
AgriPro M96*4403	94.1	–	–	60	29.9	04/11	36	2
Pioneer variety 26R61	93.6	–	–	60	36.7	04/11	35	1
USG 3209	93.5	93.0	70.0	57	32.6	04/07	30	2
USG 3709	93.3	95.4	–	56	35.1	04/11	34	1
NK Coker 9663	92.9	92.3	71.9	60	36.5	04/11	38	1
Delta King XTJ 7900	92.5	–	–	57	32.3	04/11	38	2
SC952746	92.3	–	–	59	43.0	04/13	42	1
AR494B-2-2	91.8	88.0	–	57	28.0	04/15	42	3
Terral TV8910	91.4	87.3	–	57	27.6	04/09	33	1
SS 535	91.3	89.9	–	59	30.0	04/10	34	3
SS 522	89.9	88.9	79.4	59	30.7	04/14	32	1
Dixie 2000	89.7	87.8	–	58	22.4	04/12	38	2
AgriPro Shiloh	89.3	74.8	57.9	59	35.1	04/14	32	1
Delta King 9121	89.0	85.3	63.8	58	27.1	04/14	32	1
Terral TV 8555	89.0	79.5	62.1	60	30.5	04/13	29	1
Croplan Genetics SR204	88.8	84.8	–	60	27.6	04/12	33	1
VA98W-593	88.8	–	–	61	31.9	04/12	29	1
Dixie 911	88.6	88.2	–	58	24.8	04/13	34	1
AgriPro Mason	88.3	–	–	57	35.2	04/13	37	3
AgriPro Patton	87.3	88.1	67.5	56	32.1	04/11	35	1
VA97W-206	87.0	–	–	57	27.5	04/10	35	3
Croplan Genetics SR218	86.2	88.9	–	58	30.7	04/13	39	1
FFR 510	85.7	93.4	–	57	30.6	04/15	32	2
AgriPro Mallard	85.7	82.0	66.2	55	24.5	04/13	38	2
GA 91426E39	84.9	–	–	60	31.6	04/11	43	1
Sabbe	84.8	85.8	–	58	31.7	04/18	37	1
AGS 2000	83.5	94.8	–	58	35.6	04/11	36	2
FFR 522W	82.3	85.1	–	60	31.1	04/12	32	1

[1]Planted November 7, 2000 Harvested June 18, 2001 Soil fertility: pH=6.9; P=H; K=M
Fertilizer added: Preplant - 200 lb 13-13-13; Topdress - 300 lb 34-0-0 Previous crop: Soybeans
Herbicide: Hoelon @ 2.66 pt/A at seedling stage; Hoelon @ 2.66 pt/A + Harmony @ 0.5 oz/A
[2]See “Procedures” for a description of lodging scores.

Table 2 (continued). 2000-2001 wheat yields at location 2, MAFES Black Belt Branch in Brooksville (Brooksville silty clay).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Genesis 9953	82.3	–	–	57	32.4	04/15	39	2
Terral LA422	81.9	83.8	66.2	58	29.7	04/13	37	2
SS 516	81.2	86.2	–	58	35.6	04/13	35	1
SS 518	80.5	81.6	–	58	29.0	04/14	29	2
AR584A-3-1	78.0	77.4	–	57	34.7	04/03	33	1
GA901146E15	77.1	86.4	–	56	23.8	04/15	30	1
Delta King 9027	73.9	77.8	60.0	58	25.1	04/23	28	1
AR LA85411	73.8	76.3	59.8	57	32.1	04/18	25	1
Roane	73.4	79.0	60.5	59	27.8	04/13	30	1
Delta King XTJ 3333	71.7	–	–	58	23.8	04/12	34	2
SC960057	63.8	–	–	52	28.0	04/18	40	3
Overall Mean	90.9	88.2	66.8					
LSD (.10)	13.6	9.8	7.3					
Error degrees of freedom	189	192	135					
CV (%)	12.8	13.5	16.1					
R^2 (%)	49	46	91					

[1]Planted November 7, 2000 Harvested June 18, 2001 Soil fertility: pH=6.9; P=H; K=M
Fertilizer added: Preplant - 200 lb 13-13-13; Topdress - 300 lb 34-0-0 Previous crop: Soybeans
Herbicide: Hoelon @ 2.66 pt/A at seedling stage; Hoelon @ 2.66 pt/A + Harmony @ 0.5 oz/A
[2]See "Procedures" for a description of lodging scores.

Table 3. 2000-2001 wheat yields at location 3, Hawks Farming in Hernando (Collins silt loam).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Delta King XTJ 7531	87.8	–	–	56	28.4	04/26	38	1
Terral TVX8450	85.6	–	–	57	27.9	04/24	36	2
AR839-27-1-3	85.0	–	–	58	31.0	04/22	38	1
VA96W-270	82.9	75.5	–	58	34.1	04/20	35	2
Genesis M86	82.8	–	–	56	29.0	04/24	38	3
USG 3709	82.4	80.8	–	54	30.6	04/20	34	2
Pioneer variety 26R46	82.4	83.1	70.6	58	36.5	04/26	33	2
NK BL940582	82.1	–	–	56	30.7	04/24	36	2
Pioneer variety XW586	81.9	–	–	53	31.2	04/18	33	1
NK Coker 9663	81.3	89.8	77.6	58	32.2	04/22	39	2
AR494B-2-2	81.0	80.7	–	57	30.9	04/23	39	3
Delta King XTJ 7900	80.4	–	–	56	26.7	04/24	40	2
Terral TVX8565	80.0	–	–	57	27.6	04/24	38	3
VA97W-206	79.8	–	–	56	24.6	04/22	33	4
Pioneer variety 26R38	78.9	82.3	–	53	29.6	04/24	36	2
AgriPro Patton	78.0	78.3	71.2	54	26.6	04/22	37	4
Genesis 9953	77.5	–	–	54	29.2	04/25	36	2

[1]Planted October 26, 2000 Harvested June 19, 2001 Soil fertility: pH=6.2; P=H; K=H
Fertilizer added: Preplant - 25-40-60; Sidedress - N @ 84 lb/A Herbicide: None Previous crop: Corn
[2]See "Procedures" for a description of lodging scores.

Table 3 (continued). 2000-01 wheat yields at location 3, Hawks Farming in Hernando (Collins silt loam).[1]

Brand/Variety	2000-2001 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
VA98W-593	77.4	–	–	59	29.8	04/25	32	2
AgriPro Natchez	77.0	–	–	57	31.1	04/26	35	3
Delta King 9121	77.0	74.2	68.5	52	25.8	04/24	37	5
Pioneer variety 26R61	76.9	–	–	62	39.9	04/24	35	2
Terral TV 8555	76.7	86.5	74.4	56	28.7	04/28	33	1
Croplan Genetics SR204	76.4	81.3	–	58	25.4	04/26	40	3
Delta King XTJ 7777	75.8	–	–	56	25.9	04/22	34	3
AR584A-3-1	75.3	86.3	–	56	28.6	04/22	36	3
Croplan Genetics SR218	74.7	75.0	–	59	29.7	04/30	36	2
USG 3209	74.5	78.5	68.2	57	33.7	04/22	29	3
SC952746	73.7	–	–	56	31.1	04/24	41	2
Dixie 900	72.8	–	–	55	27.6	04/23	35	3
Delta King XTJ 7357	72.3	–	–	57	27.6	04/22	36	4
Terral TV8910	72.2	77.2	–	52	24.6	04/20	36	2
AgriPro Shiloh	72.2	83.0	73.7	55	30.8	04/24	35	3
AgriPro M96*4403	72.1	–	–	58	33.5	04/26	36	2
Delta King 9410	72.0	–	–	57	28.8	04/26	40	3
Sabbe	71.6	76.3	–	56	29.3	04/23	40	1
FFR 510	70.1	78.9	–	54	27.2	04/22	32	5
Dixie 922	70.0	–	–	55	26.1	04/24	36	2
Delta King 1551W	70.0	76.8	70.1	56	26.7	04/25	37	2
Dixie 911	69.8	72.4	–	57	25.7	04/27	36	2
AgriPro Mason	69.6	–	–	57	33.9	04/26	35	3
LA90518PB43-3-1-4	69.3	–	–	54	26.6	04/28	34	2
SS 535	69.0	79.9	–	58	27.7	04/26	32	4
Genesis 9939	69.0	81.7	73.3	54	27.8	04/26	35	3
SS 516	68.9	67.3	–	57	29.4	04/26	33	2
NK BL940812	68.9	–	–	58	27.2	04/26	29	2
SS 522	68.3	84.4	82.2	57	25.3	04/24	34	3
GA 91426E39	68.1	–	–	57	31.0	04/23	38	3
Delta King XTJ 9333	67.7	–	–	57	31.0	04/24	40	2
Pioneer variety 2684	67.2	73.1	65.2	58	33.3	04/25	33	3
AgriPro Shelby	66.8	78.5	67.3	56	27.9	04/25	37	4
AGS 2000	66.7	79.0	–	50	23.3	04/24	35	3
Delta King 9027	65.8	72.7	64.9	55	22.6	04/26	36	2
GA901146E15	65.4	70.2	–	56	25.8	04/25	33	2
Dixie 2000	65.3	72.9	–	56	23.5	04/22	34	2
FFR 522W	65.3	82.9	–	58	27.6	04/24	34	2
Delta King 9216	65.2	–	–	54	26.4	04/22	37	2
AR LA85411	64.6	76.7	65.0	58	30.4	04/26	34	1
Terral LA422	64.1	71.0	58.8	56	27.4	04/23	33	3
Roane	64.0	77.4	73.0	56	22.5	04/26	32	4
SC960057	63.3	–	–	53	27.9	04/30	38	2
AgriPro Mallard	60.1	72.5	66.7	53	23.3	04/22	34	3
Delta King XTJ 3333	59.9	–	–	54	20.7	04/26	35	3
Delta King XTJ 7599	58.3	–	–	58	30.1	04/24	36	3
SS 518	55.7	67.7	–	54	26.1	04/26	32	3
Overall Mean	72.6	77.6	69.5					
LSD (.10)	11.8	7.0	4.8					
Error degrees of freedom	189	192	135					
CV (%)	14.0	10.9	10.2					
R^2 (%)	43	67	88					

[1]Planted October 26, 2000
Fertilizer added: Preplant - 25-40-60; Sidedress - N @ 84 lb/A
[2]See "Procedures" for a description of lodging scores.

Harvested June 19, 2001
Herbicide: None

Soil fertility: pH=6.2; P=H; K=H
Previous crop: Corn

Table 4. 2000-01 wheat yields at location 4, Gene Boykin Farm in Issaquena County (silty loam clay).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Pioneer variety 26R38	82.4	85.1	–	57	38.2	04/30	34	1
Pioneer variety 26R61	82.2	–	–	60	38.5	04/22	34	1
Croplan Genetics SR218	80.4	71.4	–	59	30.9	04/23	37	1
GA901146E15	77.9	71.9	–	57	29.4	04/17	31	1
Delta King XTJ 7777	76.2	–	–	58	29.5	04/21	37	2
Delta King XTJ 9333	76.1	–	–	58	29.4	04/23	36	2
Terral TV8910	75.4	66.8	–	57	31.7	04/18	36	1
Pioneer variety 26R46	74.0	78.4	61.9	57	33.6	04/18	33	1
Delta King 1551W	73.6	78.2	64.2	57	27.6	04/22	34	2
Delta King XTJ 7531	73.5	–	–	55	29.8	04/24	35	1
AR839-27-1-3	72.8	–	–	59	27.8	04/21	33	2
LA90518PB43-3-1-4	72.0	–	–	57	32.4	04/18	31	3
FFR 522W	71.6	63.9	–	59	28.5	04/17	30	2
SS 522	71.6	64.0	57.4	60	33.4	04/18	31	2
Delta King 9216	70.4	–	–	56	30.8	04/22	30	2
Delta King 9410	70.2	–	–	57	28.3	04/23	33	1
Delta King 9027	69.7	76.2	61.5	58	24.8	04/21	35	2
Dixie 900	69.6	–	–	59	29.3	04/21	38	1
AgriPro Mallard	69.6	74.8	58.6	55	28.9	04/22	32	3
Pioneer variety XW586	69.5	–	–	57	34.6	04/17	30	2
AgriPro Shelby	69.0	71.8	54.0	60	33.5	04/22	38	2
USG 3709	68.8	70.9	–	55	30.9	04/20	28	2
Genesis 9953	68.6	–	–	56	30.1	04/20	36	3
SS 535	67.8	72.3	–	59	29.1	04/21	30	4
Genesis 9939	67.4	77.0	63.4	56	25.5	04/23	31	1
Terral TVX8565	67.1	–	–	58	27.7	04/22	37	1
AR LA85411	66.4	62.8	52.4	58	30.0	04/21	33	1
Genesis M86	66.3	–	–	56	27.4	04/22	35	1
VA98W-593	66.1	–	–	60	30.0	04/22	32	2
USG 3209	65.6	71.8	60.7	58	30.5	04/17	27	3
Sabbe	65.5	67.2	–	58	36.0	04/25	37	1
Delta King XTJ 7599	65.4	–	–	58	28.9	04/20	33	2
Dixie 922	65.3	–	–	57	27.8	04/22	38	2
AgriPro Mason	65.3	–	–	56	29.7	04/19	31	3
AgriPro Patton	65.1	73.5	59.1	57	29.9	04/20	33	3
Delta King XTJ 3333	64.9	–	–	58	24.2	04/21	33	2
Terral LA422	64.8	70.0	57.8	58	25.9	04/22	26	3
AGS 2000	64.5	72.2	–	57	30.8	04/22	29	2
VA97W-206	64.2	–	–	58	28.5	04/18	29	3
Terral TVX8450	63.8	–	–	56	27.8	04/21	33	2
GA 91426E39	63.0	–	–	58	30.5	04/17	31	2
NK BL940812	63.0	–	–	60	27.9	04/20	33	2
AR584A-3-1	62.9	72.3	–	58	33.0	04/20	36	4
Delta King 9121	62.8	68.8	56.9	57	27.1	04/18	31	2
Delta King XTJ 7900	61.9	–	–	56	25.8	04/22	33	2
AR494B-2-2	61.3	62.7	–	60	35.3	04/25	37	2
SC952746	60.5	–	–	57	40.4	04/23	37	2
Dixie 911	59.8	67.1	–	55	25.6	04/22	32	2
Croplan Genetics SR204	58.7	51.8	–	57	22.0	04/25	32	1
Dixie 2000	58.7	66.3	–	55	24.3	04/22	32	2
VA96W-270	58.1	72.0	–	57	31.4	04/15	33	2
Terral TV 8555	57.9	65.0	50.9	57	30.8	04/20	31	5
AgriPro Shiloh	57.4	61.4	53.2	56	34.1	04/20	34	2

[1]Planted October 19, 2000 Harvested June 14, 2001 Soil fertility: pH=6.8; P=H+; K=H
Fertilizer added: 100 lb/A N Herbicide: 2,4-D @ 1 qt/A Previous crop: Soybeans
[2]See “Procedures” for a description of lodging scores.

Table 4 (continued). 2000-01 wheat yields at location 4, Gene Boykin Farm in Issaquena County (silty loam clay).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
AgriPro M96*4403	57.3	–	–	57	28.1	04/21	32	3
Roane	56.7	60.6	52.3	58	22.8	04/20	26	2
NK BL940582	54.0	–	–	56	28.9	04/19	30	3
Delta King XTJ 7357	52.4	–	–	57	32.3	04/21	35	4
Pioneer variety 2684	51.1	67.7	58.9	58	35.2	04/19	34	4
SC960057	49.5	–	–	51	30.7	05/01	35	2
SS 516	49.1	68.5	–	56	27.6	04/17	22	1
AgriPro Natchez	45.4	–	–	58	31.3	04/24	34	3
SS 518	44.8	–	–	56	28.8	04/15	28	3
NK Coker 9663	43.9	–	–	59	33.7	04/20	35	2
FFR 510	43.1	–	–	54	23.1	04/17	28	3
Overall Mean	64.6	70.2	56.5					
LSD (.10)	14.4	11.1	8.1					
Error degrees of freedom	126	145	112					
CV (%)	16.5	17.9	20.4					
R^2 (%)	54	53	82					

[1]Planted October 19, 2000 Harvested June 14, 2001 Soil fertility: pH=6.8; P=H+; K=H
Fertilizer added: 100 lb/A N Herbicide: 2,4-D @ 1 qt/A Previous crop: Soybeans
[2]See "Procedures" for a description of lodging scores.

Table 5. 2000-01 wheat yields at location 7, MAFES Coastal Plain Branch Station in Newton (Prentiss very fine sandy loam).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
Pioneer variety XW586	76.9	–	–	52	35.4	04/13	37	1
USG 3209	75.3	80.2	72.2	51	33.5	04/16	35	4
AR839-27-1-3	74.6	–	–	54	29.5	04/17	37	1
Pioneer variety 26R38	73.9	80.7	–	53	34.3	04/12	38	3
NK BL940812	73.4	–	–	57	30.0	04/13	35	2
SS 535	71.8	63.0	–	54	29.4	04/17	37	4
NK BL940582	70.9	–	–	52	30.8	04/16	38	3
FFR 522W	70.1	73.6	–	55	27.5	04/17	34	4
AGS 2000	69.9	76.5	–	52	29.8	04/16	35	4
Dixie 900	69.7	–	–	51	29.0	04/16	42	2
Pioneer variety 26R61	69.2	–	–	56	33.8	04/13	38	2
Delta King XTJ 7599	69.1	–	–	50	25.8	04/13	41	4
SS 522	69.0	73.1	70.2	54	26.3	04/13	36	4
NK Coker 9663	68.6	73.1	68.3	54	33.9	04/16	39	3
Pioneer variety 26R46	68.1	72.1	65.4	52	32.0	04/13	37	3
GA901146E15	68.0	72.2	–	52	23.9	04/16	35	3
Terral LA422	68.0	68.6	59.1	51	26.2	04/16	34	4

[1]Planted December 5, 2000 Harvested June 20, 2001 Soil fertility: pH=6.7; P=H; K=H
Fertilizer added: Preplant - 200 lb 0-20-20; Topdress - 295 lb 34-0-0 Herbicide: Harmony @ 0.5 oz/A Previous crop: Fallow
[2]See "Procedures" for a description of lodging scores.

Table 5 (continued). 2000-01 wheat yields at location 7, MAFES Coastal Plain Branch Station in Newton (Prentiss very fine sandy loam).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Seed weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*	*g/1000*		*in*	
AgriPro Shiloh	67.3	66.7	62.0	52	33.0	04/23	36	2
FFR 510	66.8	77.0	–	52	33.0	04/13	37	2
SS 518	66.7	71.8	–	52	39.9	04/25	33	4
Delta King XTJ 7900	66.3	–	–	48	24.2	04/13	38	3
LA90518PB43-3-1-4	66.1	–	–	49	27.1	04/16	35	3
Croplan Genetics SR204	66.0	63.7	–	56	28.5	04/23	41	2
Delta King 9216	65.6	–	–	48	22.4	04/16	36	4
Delta King XTJ 7357	65.4	–	–	51	26.7	04/16	36	4
VA96W-270	65.4	71.7	–	52	33.9	04/12	38	1
Terral TV 8555	64.8	67.6	61.4	52	30.1	04/16	36	3
Sabbe	64.5	69.1	–	50	29.7	04/17	39	2
AgriPro Mason	64.5	–	–	52	34.9	04/13	40	2
Pioneer variety 2684	63.2	66.6	64.5	52	32.4	04/13	37	4
Delta King 1551W	62.9	69.6	61.5	52	27.1	04/16	36	3
VA97W-206	62.7	–	–	53	24.4	04/16	33	4
USG 3709	62.7	67.5	–	50	32.2	04/12	39	3
VA98W-593	62.3	–	–	56	33.7	04/12	34	2
Delta King 9121	61.4	63.4	54.3	53	24.4	04/10	36	1
Genesis 9953	61.2	–	–	49	26.4	04/13	39	4
Delta King 9410	61.2	–	–	48	23.9	04/13	40	3
AR584A-3-1	61.0	68.4	–	52	32.6	04/16	39	4
Delta King XTJ 9333	60.8	–	–	52	30.4	04/17	43	2
Delta King XTJ 7531	60.4	–	–	52	26.3	04/18	40	4
Terral TVX8565	59.6	–	–	49	24.7	04/16	39	3
Terral TVX8450	59.4	–	–	46	23.5	04/13	39	3
AR494B-2-2	59.1	63.5	–	52	25.9	04/15	40	4
AgriPro Shelby	59.0	68.3	62.9	53	29.9	04/16	38	4
AgriPro Natchez	58.5	–	–	54	29.1	04/17	41	4
Delta King XTJ 7777	58.5	–	–	53	25.1	04/13	40	3
Genesis M86	57.8	–	–	49	23.6	04/16	42	3
Dixie 2000	57.7	62.6	–	51	21.4	04/17	36	3
AgriPro Mallard	57.2	60.1	55.3	51	25.8	04/20	34	2
SS 516	57.0	59.8	–	50	28.8	04/18	36	3
GA 91426E39	56.9	–	–	52	27.8	04/17	36	4
Croplan Genetics SR218	56.9	64.3	–	55	28.9	04/23	41	3
Genesis 9939	55.7	60.4	55.6	47	22.8	04/13	40	4
Terral TV8910	55.5	64.5	–	49	24.6	04/17	37	3
SC952746	54.9	–	–	50	38.0	04/14	42	4
Roane	54.8	61.7	55.8	53	25.9	04/17	34	3
Dixie 922	54.6	–	–	51	26.5	04/16	42	3
AgriPro M96*4403	54.0	–	–	51	26.8	04/16	37	4
Delta King XTJ 3333	53.8	–	–	51	23.1	04/17	38	3
AgriPro Patton	52.1	64.8	61.0	47	24.7	04/16	35	3
Delta King 9027	50.8	61.4	54.7	49	21.2	04/17	39	4
AR LA85411	48.8	63.4	60.8	54	31.8	04/16	32	2
SC960057	46.9	–	–	41	21.7	04/25	40	4
Dixie 911	38.5	55.1	–	51	22.6	04/23	38	3
Overall Mean	62.4	67.2	61.0					
LSD (.10)	10.7	7.7	5.9					
Error degrees of freedom	189	192	135					
CV (%)	14.6	13.8	14.3					
R^2 (%)	54	60	73					

[1]Planted December 5, 2000
Fertilizer added: Preplant - 200 lb 0-20-20; Topdress - 295 lb 34-0-0
Harvested June 20, 2001
Herbicide: Harmony @ 0.5 oz/A
Soil fertility: pH=6.7; P=H; K=H
Previous crop: Fallow

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

Table 6. Summary of 2000-01 yields for wheat variety trials in Mississippi.

Brand/Variety	Brooksville	Hernando	Prairie	North avg.	Newton	South avg.	Issaquena	Delta avg.	Overall avg.
	bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriPro Mallard	85.7	60.1	78.6	74.8	57.2	57.2	69.6	69.6	70.2
AgriPro Mason	88.3	69.6	91.4	83.1	64.5	64.5	65.3	65.3	75.8
AgriPro Natchez	95.9	77.0	78.8	83.9	58.5	58.5	45.4	45.4	71.1
AgriPro Patton	87.4	78.0	90.2	85.2	52.1	52.1	65.1	65.1	74.6
AgriPro Shelby	111.5	66.8	87.8	88.7	59.0	59.0	69.0	69.0	78.8
AgriPro Shiloh	89.3	72.2	69.8	77.1	67.3	67.3	57.4	57.4	71.2
AgriPro M96*4403 (Exp.)	94.2	72.1	77.7	81.3	54.0	54.0	57.3	57.3	71.0
AGS 2000	83.6	66.7	85.5	78.6	69.9	69.9	64.5	64.5	74.0
AR LA 85411 (Exp.)	73.8	64.6	78.7	72.3	48.8	48.8	66.4	66.4	66.5
AR 584A-3-1	78.0	75.3	76.6	76.7	61.0	61.0	62.9	62.9	70.8
AR 494B-2-2	91.9	81.0	76.5	83.1	59.1	59.1	61.3	61.3	73.9
AR 839-27-1-3 (Exp.)	94.9	85.0	85.3	88.4	74.6	74.6	72.8	72.8	82.5
AR Sabbe	84.8	71.6	77.9	78.1	64.5	64.5	65.5	65.5	72.9
Croplan Genetics SR 204	88.9	76.4	72.0	79.1	66.0	66.0	58.7	58.7	72.4
Croplan Genetics SR 218	86.2	74.7	79.6	80.2	56.9	56.9	80.4	80.4	75.5
Delta King 9027	73.9	65.8	80.8	73.5	50.8	50.8	69.7	69.7	68.2
Delta King 9121	89.0	77.0	79.4	81.8	61.4	61.4	62.8	62.8	73.9
Delta King 9216	96.5	65.2	90.8	84.1	65.6	65.6	70.4	70.4	77.7
Delta King 1551W	96.2	70.0	88.5	84.9	62.9	62.9	73.6	73.6	78.2
Delta King 9410	105.1	72.0	85.0	87.3	61.2	61.2	70.2	70.2	78.7
Delta King XTJ 3333 (Exp.)	71.7	59.9	82.2	71.3	53.8	53.8	64.9	64.9	66.5
Delta King XTJ 7357 (Exp.)	96.8	72.3	86.3	85.1	65.4	65.4	52.4	52.4	74.6
Delta King XTJ 7531 (Exp.)	95.0	87.8	90.0	90.9	60.4	60.4	73.5	73.5	81.3
Delta King XTJ 7599 (Exp.)	95.2	58.3	83.3	78.9	69.1	69.1	65.4	65.4	74.3
Delta King XTJ 7777 (Exp.)	95.0	75.8	81.7	84.1	58.5	58.5	76.2	76.2	77.4
Delta King XTJ 7900 (Exp.)	92.5	80.4	83.6	85.5	66.3	66.3	61.9	61.9	76.9
Delta King XTJ 9333 (Exp.)	95.5	67.7	74.3	79.2	60.8	60.8	76.1	76.1	74.9
Dixie 900	103.6	72.8	89.4	88.6	69.7	69.7	69.6	69.6	81.0
Dixie 911	88.6	69.8	80.6	79.7	38.5	38.5	59.8	59.8	67.5
Dixie 922	100.5	70.0	90.0	86.9	54.6	54.6	65.3	65.3	76.1
Dixie 2000	89.7	65.3	75.0	76.7	57.7	57.7	58.7	58.7	69.3
FFR 510	85.7	70.1	78.8	78.2	66.8	66.8	43.1	43.1	68.9
FFR 522W	82.3	65.3	86.0	77.9	70.1	70.1	71.6	71.6	75.0
GA 901146E15 (Exp.)	77.1	65.4	94.2	78.9	68.0	68.0	77.9	77.9	76.5
GA 91426E39 (Exp.)	85.0	68.1	86.3	79.8	56.9	56.9	63.0	63.0	71.9
Genesis 9939	94.7	69.0	93.5	85.8	55.7	55.7	67.4	67.4	76.1
Genesis 9953	82.3	77.5	84.2	81.3	61.2	61.2	68.6	68.6	74.8
Genesis M86	107.4	82.8	94.0	94.7	57.8	57.8	66.3	66.3	81.6
LA90518PB43-3-1-4 (Exp.)	94.6	69.3	83.1	82.3	66.1	66.1	72.0	72.0	77.0
NK Coker 9663	92.9	81.3	81.6	85.3	68.6	68.6	43.9	43.9	73.7
NK BL940582 (Exp.)	103.1	82.1	79.0	88.1	70.9	70.9	54.0	54.0	77.8
NK BL940812 (Exp.)	103.2	68.9	86.7	86.3	73.4	73.4	63.0	63.0	79.0
Pioneer variety XW586 (Exp.)	108.8	81.9	106.5	99.1	76.9	76.9	69.5	69.5	88.7
Pioneer variety 2684	94.9	67.2	86.8	83.0	63.2	63.2	51.1	51.1	72.6
Pioneer variety 26R46	109.8	82.4	95.4	95.9	68.1	68.1	74.0	74.0	85.9
Pioneer variety 26R61	93.6	76.9	90.5	87.0	69.2	69.2	82.2	82.2	82.5
Pioneer variety 26R38	102.3	78.9	96.7	92.6	73.9	73.9	82.4	82.4	86.8
SC 952746 (Exp.)	92.3	73.7	87.6	84.5	54.9	54.9	60.5	60.5	73.8
SC 960057 (Exp.)	63.8	63.3	68.4	65.2	46.9	46.9	49.5	49.5	58.4
SS 516	81.2	68.9	84.7	78.3	57.0	57.0	49.1	49.1	68.2
SS 518	80.5	55.7	75.2	70.5	66.7	66.7	44.8	44.8	64.6
SS 522	89.9	68.3	88.8	82.4	69.0	69.0	71.6	71.6	77.5
SS 535	91.3	69.0	71.4	77.2	71.8	71.8	67.8	67.8	74.3
Terral TV8555	89.0	76.7	84.4	83.4	64.8	64.8	57.9	57.9	74.6
Terral TV8910 (Exp.)	91.4	72.2	83.8	82.5	55.5	55.5	75.4	75.4	75.7
Terral LA422	82.0	64.1	91.3	79.1	68.0	68.0	64.8	64.8	74.0
Terral TVX8450 (Exp.)	95.7	85.6	90.6	90.6	59.4	59.4	63.8	63.8	79.0
Terral TVX8565 (Exp.)	96.3	80.0	86.3	87.5	59.6	59.6	67.1	67.1	77.8
USG 3209	93.5	74.5	97.7	88.6	75.3	75.3	65.6	65.6	81.3
USG 3709	93.3	82.4	91.6	89.1	62.7	62.7	68.8	68.8	79.7

Table 6 (continued). Summary of 2000-01 yields for wheat variety trials in Mississippi.

Brand/Variety	Brooksville	Hernando	Prairie	North avg.	Newton	South avg.	Issaquena	Delta avg.	Overall avg.
	bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
VA Roane	73.4	64.0	80.6	72.7	54.8	54.8	56.7	56.7	65.9
VA96W-270 (Exp.)	94.4	82.9	88.7	88.6	65.4	65.4	58.1	58.1	77.9
VA97W-206 (Exp.)	87.1	79.8	78.5	81.8	62.7	62.7	64.2	64.2	74.4
VA98W-593 (Exp.)	88.8	77.4	91.3	85.8	62.3	62.3	66.1	66.1	77.2
Overall Mean	90.9	72.6	84.5	82.7	62.4	62.4	64.6	64.6	75.6
LSD (.10)	13.6	11.8	10.7	7.0	10.7	10.7	14.4	14.4	5.4
Error degrees of freedom	189	189	189	567	189	189	126	126	882
CV (%)	12.8	14.0	10.8	12.5	14.6	14.6	16.5	16.5	13.4
R^2 (%)	49	43	47	61	54	54	54	54	72

Table 7. Two-year summary of 1998-99 and 1999-00 yields for wheat variety trials in Mississippi.

Brand/Variety	Brooksville	Hernando	Prairie	North avg.	Newton	South avg.	Issaquena	Delta avg.	Overall avg.
	bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriPro Mallard	82.0	72.5	85.9	80.2	60.1	60.1	74.8	74.8	75.1
AgriPro Patton	88.1	78.3	84.8	83.7	64.8	64.8	73.5	73.5	77.9
AgriPro Shelby	98.1	67.3	78.9	85.1	68.3	68.3	71.8	71.8	79.1
AgriPro Shiloh	74.8	83.0	65.6	74.5	66.7	66.7	61.4	61.4	70.3
AGS 2000	94.8	79.0	78.8	84.2	76.5	76.5	72.2	72.2	77.6
AR LA 85411 (Exp.)	76.3	76.7	76.9	76.7	63.4	63.4	62.8	62.8	71.2
AR 584A-3-1	77.4	86.3	78.4	80.7	68.4	68.4	72.3	72.3	76.6
AR 494B-2-2	88.0	80.7	75.2	81.3	63.5	63.5	62.7	62.7	74.0
AR Sabbe	85.8	76.3	76.6	79.6	69.1	69.1	67.2	67.2	75.0
Croplan Genetics SR 204	84.8	81.3	79.1	81.7	63.7	63.7	51.8	51.8	72.1
Croplan Genetics SR 218	88.9	75.0	74.2	79.4	64.3	64.3	71.4	71.4	74.8
Delta King 9027	77.8	72.7	79.5	76.7	61.4	61.4	76.2	76.2	73.5
Delta King 9121	85.3	74.2	76.3	78.6	63.4	63.4	68.8	68.8	73.6
Delta King 1551W	95.4	76.8	83.7	85.3	69.6	69.6	78.2	78.2	80.7
Dixie 911	88.2	72.4	81.5	80.7	55.1	55.1	67.1	67.1	72.9
Dixie 2000	87.8	72.9	76.1	79.0	62.6	62.6	66.3	66.3	73.2
FFR 510	93.4	78.9	73.6	82.0	77.0	77.0	–	–	79.5
FFR 522W	85.1	82.9	79.7	82.5	73.6	73.6	63.9	63.9	77.0
GA 901146E15 (Exp.)	86.4	70.2	83.4	80.0	72.2	72.2	71.9	71.9	76.8
Genesis 9939	93.8	81.7	85.3	87.0	60.4	60.4	77.0	77.0	79.7
NK Coker 9663	92.3	89.8	78.3	86.8	73.1	73.1	–	–	80.0
Pioneer variety 2684	98.4	73.1	83.4	85.0	66.6	66.6	67.7	67.7	77.9
Pioneer variety 26R46	101.5	83.1	80.8	88.5	72.1	72.1	78.4	78.4	83.2
Pioneer variety 26R38	106.5	82.3	81.7	90.1	80.7	80.7	85.1	85.1	87.2
SS 516	86.2	67.3	81.0	78.2	59.8	59.8	68.5	68.5	72.6
SS 518	81.6	67.7	73.9	74.4	71.8	71.8	–	–	73.1
SS 522	88.9	84.4	81.1	84.8	73.1	73.1	64.0	64.0	74.0
SS 535	89.9	79.9	73.9	81.2	63.0	63.0	72.3	72.3	75.8
Terral TV8555	79.5	86.5	80.5	82.2	67.6	67.6	65.0	65.0	75.8
Terral TV8910 (Exp.)	87.3	77.2	82.7	82.4	64.5	64.5	66.8	66.8	75.7
Terral LA422	83.8	71.0	80.2	78.3	68.6	68.6	70.0	70.0	74.7
USG 3209	93.0	78.5	84.6	85.3	80.2	80.2	71.8	71.8	81.6
USG 3709	95.4	80.8	81.2	85.8	67.5	67.5	70.9	70.9	79.2
VA Roane	79.0	77.4	79.3	78.6	61.7	61.7	60.6	60.6	71.6
VA96W-270 (Exp.)	99.1	75.5	82.6	85.8	71.7	71.7	72.0	72.0	80.2
Overall Mean	88.2	77.6	79.4	81.7	67.2	67.2	70.2	70.2	76.6
LSD (.10)	9.8	7.0	7.6	4.7	7.7	7.7	11.1	11.1	3.8
Error degrees of freedom	192	192	192	576	192	192	145	145	841
CV (%)	13.5	10.9	11.6	12.2	13.8	13.8	17.9	17.9	13.5
R^2 (%)	46	67	53	60	60	60	53	53	66

Table 8. Three-year summary of 1998-99, 1999-00, and 2000-01 yields for wheat variety trials in Mississippi.

Brand/Variety	Brooksville	Hernando	Prairie	North avg.	Newton	South avg.	Issaquena	Delta avg.	Overall avg.
	bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriPro Mallard	66.2	66.7	79.5	70.8	55.3	55.3	58.6	58.6	65.2
AgriPro Patton	67.5	71.2	80.1	72.9	61.0	61.0	59.1	59.1	67.8
AgriPro Shelby	75.5	67.3	74.4	72.4	62.9	62.9	54.0	54.0	66.8
AgriPro Shiloh	57.9	73.7	65.0	65.5	62.0	62.0	53.2	53.2	62.4
AR-LA 85411	59.8	65.0	73.0	65.9	60.8	60.8	52.4	52.4	62.2
Delta King 9027	60.0	64.9	73.9	66.3	54.7	54.7	61.5	61.5	63.0
Delta King 9121	63.8	68.5	69.6	67.3	54.3	54.3	56.9	56.9	62.6
Delta King 1551W	71.9	70.1	78.4	73.4	61.5	61.5	64.2	64.2	69.2
Genesis 9939	70.8	73.3	81.5	75.2	55.6	55.6	63.4	63.4	68.9
NK Coker 9663	71.9	77.6	74.4	74.7	68.3	68.3	–	–	–
Pioneer variety 2684	76.8	65.2	83.9	75.3	64.5	64.5	58.9	58.9	69.9
Pioneer variety 26R46	80.2	70.6	76.7	75.8	65.4	65.4	61.9	61.9	67.7
SS 522	79.4	82.2	76.3	79.3	70.2	70.2	57.4	57.4	63.8
Terral TV8555	62.1	74.4	75.1	70.5	61.4	61.4	50.9	50.9	64.8
Terral LA422	66.2	58.8	75.9	66.9	59.1	59.1	57.8	57.8	63.5
USG 3209	70.0	68.2	81.9	73.4	72.2	72.2	60.7	60.7	70.6
VA Roane	60.5	73.0	74.4	69.3	55.8	55.8	52.3	52.3	63.2
Overall Mean	66.8	69.5	75.9	70.7	61.0	61.0	56.5	56.5	65.7
LSD (.10)	7.3	4.8	5.3	3.4	5.9	5.9	8.1	8.1	2.8
Error degrees of freedom	135	135	135	405	135	135	112	112	616
CV (%)	16.1	10.2	10.3	12.3	14.3	14.3	20.4	20.4	14.1
R^2 (%)	91	88	69	89	73	73	82	82	87

Table 9. Wheat varietal reactions to disease in Mississippi.[1]

Brand/Variety	Leaf rust[2]	Leaf blotch glume blotch[2]	Other diseases[3]
AgriPro Mallard	MR	R	BYD
AgriPro Mason	MR	MS	SR
AgriPro Natchez	–	–	–
AgriPro Patton	–	R	–
AgriPro Shelby	MR	MS	–
AgriPro Shiloh	MR	MR	–
AgriPro M96*4403 (Exp.)	–	–	–
AGS 2001	–	MR	SR
AR LA 85411 (Exp.)	–	MR	SR
AR 584A-3-1	MR	R	BYD
AR 494B-2-2	S	MR	–
AR 839-27-1-3 (Exp.)	–	MS	SR
AR Sabbe	–	–	–
Croplan Genetics SR 204	–	R	–
Croplan Genetics SR 218	–	MR	–
Delta King 9027	MR	R	–
Delta King 9121	R	MR	–
Delta King 9216	–	–	–
Delta King 1551W	R	MR	–
Delta King 9410	–	–	–
Delta King XTJ 3333 (Exp.)	–	–	–
Delta King XTJ 7357 (Exp.)	–	–	–
Delta King XTJ 7531 (Exp.)	–	–	–
Delta King XTJ 7599 (Exp.)	–	–	–
Delta King XTJ 7777 (Exp.)	–	–	–
Delta King XTJ 7900 (Exp.)	–	–	–
Delta King XTJ 9333 (Exp.)	–	–	–
Dixie 900	–	–	–
Dixie 911	R	R	–
Dixie 922	–	–	–
Dixie 2001	–	MR	–
FFR 522W	R	R	–
GA 901146E15 (Exp.)	–	–	–
GA 91426E39 (Exp.)	–	–	–
Genesis 9939	–	MR	–
Genesis 9953	–	–	–
Genesis M86	–	–	–
LA90518PB43-3-1-4 (Exp.)	–	MR	SR
NK Coker 9663	–	MR	SR
NK BL940582 (Exp.)	–	–	–
NK BL940812 (Exp.)	–	–	–
Pioneer variety XW586 (Exp.)	–	MS	–
Pioneer variety 2684	MS	MS	BYD
Pioneer variety 26R46	S	MS	–
Pioneer variety 26R61	MR	R	BYD
Pioneer variety 26R38	–	–	–
SC 952746 (Exp.)	–	R	SR
SC 960057 (Exp.)	–	MR	SR
SS 516	–	–	–
SS 518	R	MS	BYD
SS 522	R	R	–
SS 535	–	R	–
Terral TV8555	MR	MS	–
Terral TV8910 (Exp.)	–	R	–
Terral LA422	MR	MS	BS
Terral TVX8450 (Exp.)	–	–	–
Terral TVX8565 (Exp.)	–	–	–
USG 3209	R	MS	BS
USG 3709	R	–	–
VA Roane	MR	R	BYD
VA96W-270 (Exp.)	–	R	–
VA96W-158 (Exp.)	–	R	–
VA97W-206 (Exp.)	–	–	–
VA98W-593 (Exp.)	–	MR	SR

[1]Prepared by Dr. Larry Trevathan, plant pathologist, Department of Entomology and Plant Pathology.
[2]R = resistant — little or no disease; MR = moderately resistant — little or no economic loss; MS = moderately susceptible — moderate economic loss possible; S = susceptible — economic loss probable; – = disease symptoms not observed.
[3]BS = Bacterial stripe; BYD = Barley yellow dwarf; SR = stripe rust.

Table 10. Average number of wheat seeds per pound for varieties entered in 2001 variety trials.

Brand/Variety	2000-01 average	2-year average	Brand/Variety	2000-01 average	2-year average
	seeds/lb	*seeds/lb*		*seeds/lb*	*seeds/lb*
AgriPro Mallard	15,279	14,992	GA 901146E15 (Exp.)	15,094	15,712
AgriPro Mason	11,351	–	GA 91426E39 (Exp.)	13,603	–
AgriPro Natchez	12,214	–	Genesis 9939	12,676	13,328
AgriPro Patton	11,673	11,770	Genesis 9953	11,834	–
AgriPro Shelby	11,071	11,304	Genesis M86	12,998	–
AgriPro Shiloh	13,229	12,423	LA90518PB43-3-1-4 (Exp.)	12,518	–
AgriPro M96*4403 (Exp.)	14,719	–	NK Coker 9663	11,767	11,665
AGS 2001	10,360	10,383	NK BL940582 (Exp.)	11,892	–
AR LA 85411 (Exp.)	14,855	14,277	NK BL940812 (Exp.)	13,212	–
AR 584A-3-1	13,714	13,577	Pioneer variety XW586 (Exp.)	11,909	–
AR 494B-2-2	13,185	13,700	Pioneer variety 2684	11,552	11,623
AR 839-27-1-3 (Exp.)	13,386	–	Pioneer variety 26R46	10,694	10,850
AR Sabbe	12,864	15,034	Pioneer variety 26R61	10,524	–
Croplan Genetics SR 204	14,473	15,207	Pioneer variety 26R38	10,551	10,765
Croplan Genetics SR 218	16,628	14,502	SC 952746 (Exp.)	11,526	–
Delta King 9027	15,529	15,757	SC 960057 (Exp.)	16,111	–
Delta King 9121	15,411	16,114	SS 516	12,346	11,763
Delta King 9216	13,911	–	SS 518	15,295	14,027
Delta King 1551W	16,506	16,970	SS 522	15,134	14,096
Delta King 9410	15,156	–	SS 535	13,779	12,806
Delta King XTJ 3333 (Exp.)	16,018	–	Terral TV8555	13,529	12,745
Delta King XTJ 7357 (Exp.)	18,039	–	Terral TV8910 (Exp.)	12,460	12,529
Delta King XTJ 7531 (Exp.)	14,039	–	Terral LA422	13,439	14,723
Delta King XTJ 7599 (Exp.)	13,268	–	Terral TVX8450 (Exp.)	13,278	–
Delta King XTJ 7777 (Exp.)	13,950	–	Terral TVX8565 (Exp.)	13,259	–
Delta King XTJ 7900 (Exp.)	13,920	–	USG 3209	10,841	11,334
Delta King XTJ 9333 (Exp.)	13,040	–	USG 3709	11,114	11,087
Dixie 900	13,139	–	VA Roane	13,604	16,302
Dixie 911	13,988	14,813	VA96W-270 (Exp.)	11,216	11,690
Dixie 922	12,522	–	VA96W-158 (Exp.)	11,473	11,955
Dixie 2001	14,959	15,463	VA97W-206 (Exp.)	12,433	–
FFR 522W	13,652	13,652	VA98W-593 (Exp.)	12,060	–

Table 11. Average number of oat seeds per pound for varieties entered in 2001 variety trials.

Brand/Variety	2000-01 average	2-year average	Brand/Variety	2000-01 average	2-year average
	seeds/lb	*seeds/lb*		*seeds/lb*	*seeds/lb*
Chapman	15,738	17,124	LA90151C11-2-1 (Exp.)	16,823	18,987
Horizon	13,060	14,348	SC 910337 (Exp.)	16,192	15,223
LA90113AFL2-1-19-3-1- (Exp.)	16,071	16,380	Terral Secretariat LA495	15,909	16,212
LA9339E45 (Exp.)	16,470	17,413			

Table 12. 2000-01 oat yields at location 2, MAFES Black Belt Branch in Brooksville (Brooksville silty clay).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*		*in*	
FL Horizon 314	136.6	119.2	110.6	36	04/17	38	1
LA90113AFL2-1-19-3-1	131.4	119.6	–	34	04/17	35	2
Secretariat LA495	127.6	113.4	101.0	34	04/15	39	2
LA9339E45	127.0	105.2	–	37	04/17	47	1
Chapman	121.7	106.9	95.5	35	04/17	38	2
SC 910337	115.7	84.1	–	40	04/13	43	4
LA90151C11-2-1	111.9	91.2	–	35	04/21	31	3
Overall mean	124.5	105.6	102.4				
LSD (.10)	16.2	15.0	11.5				
Error degrees of freedom	18	36	16				
CV (%)	10.6	16.8	15.0				
R^2 (%)	58	77	87				

[1]Planted November 7, 2000 Harvested June 18, 2001 Soil fertility: pH=6.9; P=H; K=M
Fertilizer added: Preplant - 200 lb 13-13-13; Topdress - 200 lb 34-0-0 Herbicide: Harmony @ 0.5 oz/A
[2]See "Procedures" for a description of lodging scores.

Table 13. 2000-01 oat yields at location 7, MAFES Coastal Plain Branch in Newton (Prentiss fine sandy loam).[1]

Brand/Variety	2000-01 yield	2-Year avg. yield	3-Year avg. yield	Test weight	Date headed	Plant height	Lodging score[2]
	bu/A	*bu/A*	*bu/A*	*lb/bu*		*in*	
Chapman	62.3	69.7	58.3	29	04/23	40	2
FL Horizon 314	53.9	48.9	52.8	28	04/25	43	2
LA90113AFL2-1-19-3-1	49.4	55.3	–	31	04/23	41	4
LA9339E45	44.8	58.7	–	31	04/27	46	4
LA90151C11-2-1	39.6	45.3	–	31	04/23	39	4
Secretariat LA495	37.5	56.6	62.5	30	04/23	43	2
SC 910337	36.3	44.5	–	37	04/23	43	4
Overall mean	46.3	54.2	57.9				
LSD (.10)	15.6	9.3	8.2				
Error degrees of freedom	18	36	18				
CV (%)	27.4	20.4	20.0				
R^2 (%)	64	79	84				

[1]Planted December 5, 2000 Harvested June 20, 2001 Soil fertility: pH=6.7; P=H; K=H
Fertilizer added: Preplant - 200 lb 0-20-20; Topdress - 190 lb 34-0-0 Herbicide: Harmony @ 0.5 oz/A
[2]See "Procedures" for a description of lodging scores.

Table 14. Summary of 2000-01 yields for oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Overall avg.
	bu/A	*bu/A*	*bu/A*
Chapman	121.7	62.4	92.0
Horizon 314	136.6	54.0	95.3
LA90113AFL2-1-19-3-1 (Exp.)	131.4	49.4	90.4
LA9339E45 (Exp.)	127.0	44.9	85.9
LA90151C11-2-1 (Exp.)	111.9	39.6	75.7
SC 910337 (Exp.)	115.7	36.3	76.0
Terral Secretariat LA495	127.6	37.5	82.5
Overall Mean	124.5	46.3	85.4
LSD (.10)	16.2	15.6	10.9
Error degrees of freedom	18	18	36
CV (%)	10.6	27.4	15.2
R^2 (%)	58	64	94

Table 15. Two-year summary of 1999-00 and 2000-01 yields for oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Overall avg.
	bu/A	*bu/A*	*bu/A*
Chapman	106.9	69.7	88.3
Horizon 314	119.2	48.9	84.0
LA90113AFL2-1-19-3-1 (Exp.)	119.6	55.3	87.5
LA9339E45 (Exp.)	105.2	58.7	81.9
LA90151C11-2-1 (Exp.)	91.2	45.3	68.3
SC 910337 (Exp.)	84.1	44.5	64.3
Terral Secretariat LA495	113.4	56.6	85.0
Overall Mean	105.6	54.2	79.9
LSD (.10)	15.0	9.3	8.7
Error degrees of freedom	36	36	72
CV (%)	16.8	20.4	18.5
R^2 (%)	77	79	89

Table 16. Three-year summary of 1998-99, 1999-00, and 2000-01 yields for oat variety trials in Mississippi.

Brand/Variety	Brooksville	Newton	Overall avg.
	bu/A	*bu/A*	*bu/A*
Chapman	95.5	58.3	75.6
FL Horizon 314	110.6	52.8	80.4
Terral Secretariat LA495	101.0	62.5	80.8
Overall Mean	102.4	57.9	79.1
LSD (.10)	11.5	8.2	6.7
Error degrees of freedom	16	18	34
CV (%)	15.0	20.0	17.1
R^2 (%)	87	84	92

Commercial Wheat Brands/Varieties Entered

AgriPro Seeds, Incorporated **P.O. Box 2365** **Jonesboro, AR 72402**	**AgriPro Mallard** **AgriPro Mason** **AgriPro Natchez** **AgriPro Patton** **AgriPro Shelby** **AgriPro Shiloh** **AgriPro M96*4403 (Exp.)**
AgSouth Genetics **P.O. Box 88823** **Dunwoody, GA 30356**	**AGS 2001**
Cache River Valley Seed **P.O. Box 10** **Cash, AR 72421**	**Dixie 900** **Dixie 911** **Dixie 922** **Dixie 2001**
Croplan Genetics **Box 146** **Blytheville, AR 72315**	**Croplan Genetics SR 204** **Croplan Genetics SR 218**
Delta King Seed Co. **P.O. Box 970** **McCrory, AR 72101**	**Delta King 9027** **Delta King 9121** **Delta King 9216** **Delta King 1551W** **Delta King 9410** **Delta King XTJ 9333 (Exp.)** **Delta King XTJ 3333 (Exp.)** **Delta King XTJ 7777 (Exp.)** **Delta King XTJ 7531 (Exp.)** **Delta King XTJ 7900 (Exp.)** **Delta King XTJ 7357 (Exp.)** **Delta King XTJ 7599 (Exp.)**
FFR Seed **969 Cloverleaf Drive** **Southaven, MS 38671**	**FFR 510 (was VA96W-158)** **FFR 522W**
Genesis Brand Seed **P.O. Box 21085** **Lansing, MI 48909**	**Genesis 9939** **Genesis 9953** **Genesis M86**
Novartis Seeds, Inc. **P.O. Box 729** **Bay, AR 72411**	**NK Coker 9663** **NK BL940582 (Exp.)** **NK BL940812 (Exp.)**
Pioneer Hi-Bred International **6767 Old Madison Pike, Suite 110** **Huntsville, AL 35806**	**Pioneer variety XW586 (Exp.)** **Pioneer variety 2684** **Pioneer variety 26R46** **Pioneer variety 26R61** **Pioneer variety 26R38 (was XW682)**
Southern States Coop **P.O. Box 26234** **Richmond, VA 23260**	**SS 516** **SS 518** **SS 522** **SS 535**
Terral Seed Company, Inc. **P.O. Box 826** **Lake Providence, LA 71254**	**Terral TV8555** **Terral TV8910 (Exp.)** **Terral LA422** **Terral TVX8450 (Exp.)** **Terral TVX8565 (Exp.)**
UniSouth Genetics, Inc. **2640-C Nolensville Rd.** **Nashville, TN 37211**	**USG 3209** **USG 3709**

Public Wheat Varieties Entered

University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	AR LA 85411 (Exp.) AR 584A-3-1 AR 494B-2-2 AR 839-27-1-3 (Exp.) Sabbe (was AR 656-5-1)
Clemson University 277 Poole Agricultural Center Clemson, SC 29634	SC 952746 (Exp.) SC 960057 (Exp.)
University of Georgia Georgia Station Griffin, GA 30223	901146E15 (Exp.) 91426E39 (Exp.)
Louisiana State University Agronomy Department Baton Rouge, LA 70803	LA90518PB43-3-1-4 (Exp.)
VCIA & EVAREC P.O. Box 338 Warsaw, VA 22572	Roane VA96W-270 (Exp.) VA97W-206 (Exp.) VA98W-593 (Exp.)

Public and Commercial Oat Brands/Varieties Entered

Clemson University Crop & Soil Environmental Science Box 340359 Clemson, SC 29634-0359	SC 910337 (Exp.)
North Florida Research and Education Center University of Florida Route 3, Box 4320 Quincy, FL 32351	Chapman Horizon 314 (was FL920HR31,314)
Louisiana State University Agronomy Department Baton Rouge, LA 70803	LA90113AFL2-1-19-3-1 (Exp.) LA9339E45 (Exp.) LA90151C11-2-1 (Exp.)
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral Secretariat LA495

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