

# ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

2001-2002

J.T. Kelly  
C.E. Parsons  
R.K. Bacon



**Arkansas Agricultural Experiment Station  
Fayetteville, Arkansas 72701**

# ACKNOWLEDGMENTS

This research was funded in part by participating companies. The assistance of the following individuals in conducting these experiments is gratefully acknowledged.

**Department of Crop, Soil and Environmental Sciences  
University of Arkansas, Fayetteville**

Ms. Betty Maeda, Graduate Assistant  
Mr. Luke Rogers, Undergraduate Assistant  
Mr. Juan Mayta, Undergraduate Assistant  
Ms. Rose Were Undergraduate Assistant

**Department of Plant Pathology, University of Arkansas, Fayetteville**

Dr. Gene Milus, Associate Professor  
Mr. Peter Rohman, Research Specialist

**Cooperative Extension Service, Little Rock**

Dr. Rick Cartwright, Extension Plant Pathologist

**Northeast Research and Extension Center, Keiser**

Dr. Fred Bourland, Center Director  
Mr. Bobby Glover, Research Specialist

**Vegetable Substation, Kibler**

Mr. Dennis Motes, Resident Director  
Mr. Steven Eaton, Research Specialist

**Cotton Branch Station, Marianna**

Mr. Claude Kennedy, Resident Director  
Mr. James Hornbeck, Research Specialist

**Southeast Branch Station, Rohwer**

Mr. Larry Earnest, Resident Director  
Mr. Scott Hayes, Research Specialist

**Rice Research and Extension Center, Stuttgart**

Dr. Karen Moldenhauer, Center Director  
Mr. Jamie Branson, Research Specialist  
Dr. John Bernhardt, Research Associate

**Southwest Research and Extension Center, Hope**

Dr. Mike Phillips, Center Director  
Mr. John Barham, Research Specialist

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J.T. Kelly, C.E. Parsons, and R.K. Bacon<sup>2</sup>

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## INTRODUCTION

Small-grain cultivar performance tests are conducted each year in Arkansas by the Arkansas Agricultural Experiment Station, Department of Crop, Soil and Environmental Sciences. The tests provide information to companies developing cultivars and/or marketing seed within the state and aid the Arkansas Cooperative Extension Service in formulating cultivar recommendations for small-grain producers.

The tests are conducted at the Northeast Research and Extension Center at Keiser, the Vegetable Substation near Kibler, the Cotton Branch Station near Marianna, the Southeast Branch Station near Rohwer, the Rice Research and Extension Center near Stuttgart, and the Southwest Research and Extension Center at Hope. Wheat tests were planted at all locations; oat tests were planted at Marianna and Stuttgart. This year the test conducted by the personnel of the Southwest Research and Extension Center was located at Lewisville, 23 miles south of Hope.

Two wheat tests were conducted at Keiser, Marianna, Rohwer, and Stuttgart. The STANDARD INPUT WHEAT TEST and the HIGH INPUT WHEAT TEST contained the same entries and were treated identically with respect to cultural practices except the High Input Test received more topdress nitrogen and a foliar fungicide application. Specific location and cultural practice information accompanies each table. This dual approach is utilized to give information on cultivar performance under conventional and high-input production strategies employed by Arkansas farmers.

## METHODS

Each wheat test contained 92 entries and each oat test contained 12 entries. A randomized complete block experimental design with four replications was used for all tests. Seeding rates of 105 lb/A for wheat and 64 lb/A for oat were used to establish plots 20 feet in length and 49 inches in width (seven rows, seven inches apart). The wheat tests at Keiser used a no-till drill (eight rows, seven inches apart) to plant into a stale seedbed. The tests at all other sites used conventional seedbed preparation. Plots were end-trimmed and harvested with a plot combine.

### Characters evaluated

**Yield:** Yields were calculated from the weight of seed from each plot as measured by the Harvest Master Pro 4100 and are expressed as bushels per acre (bu/A) at 13% moisture content.

**Test weight:** Test weights, expressed in pounds per bushel (lb/bu), were determined using the Harvest Master Pro 4100.

**Lodging:** Lodging is reported as an estimated percentage of plants prostrate at maturity: 10 = 10% lodged; 100 = 100% lodged. The lodging ratings are usually taken at harvest, so many of the earlier maturing lines may have higher ratings resulting from a delay in harvest. Also, high lodging scores are sometimes directly associated with more seeds per head or high grain yields. This year at Hope much of the reported lodging was 'brackling', a form of lodging where the stem breaks at the top node.

**Heading Date:** Heading dates are reported as the day an estimated 50% of the heads had emerged.

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<sup>1</sup> Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

<sup>2</sup> J.T. Kelly is a research associate and R.K. Bacon is a professor in the Department of Crop, Soil and Environmental Sciences, University of Arkansas, Fayetteville, AR 72701; C.E. Parsons is a senior research associate, Lonoke Extension Office, P.O. Box 357, Lonoke, AR 72086.

Maturity Date: Maturity dates are reported as the day an estimated 90% of the culms were yellow.

Disease Ratings: Disease infections are rated visually based on the percentage of leaf or glume area displaying symptoms.

### **WEATHER SUMMARY**

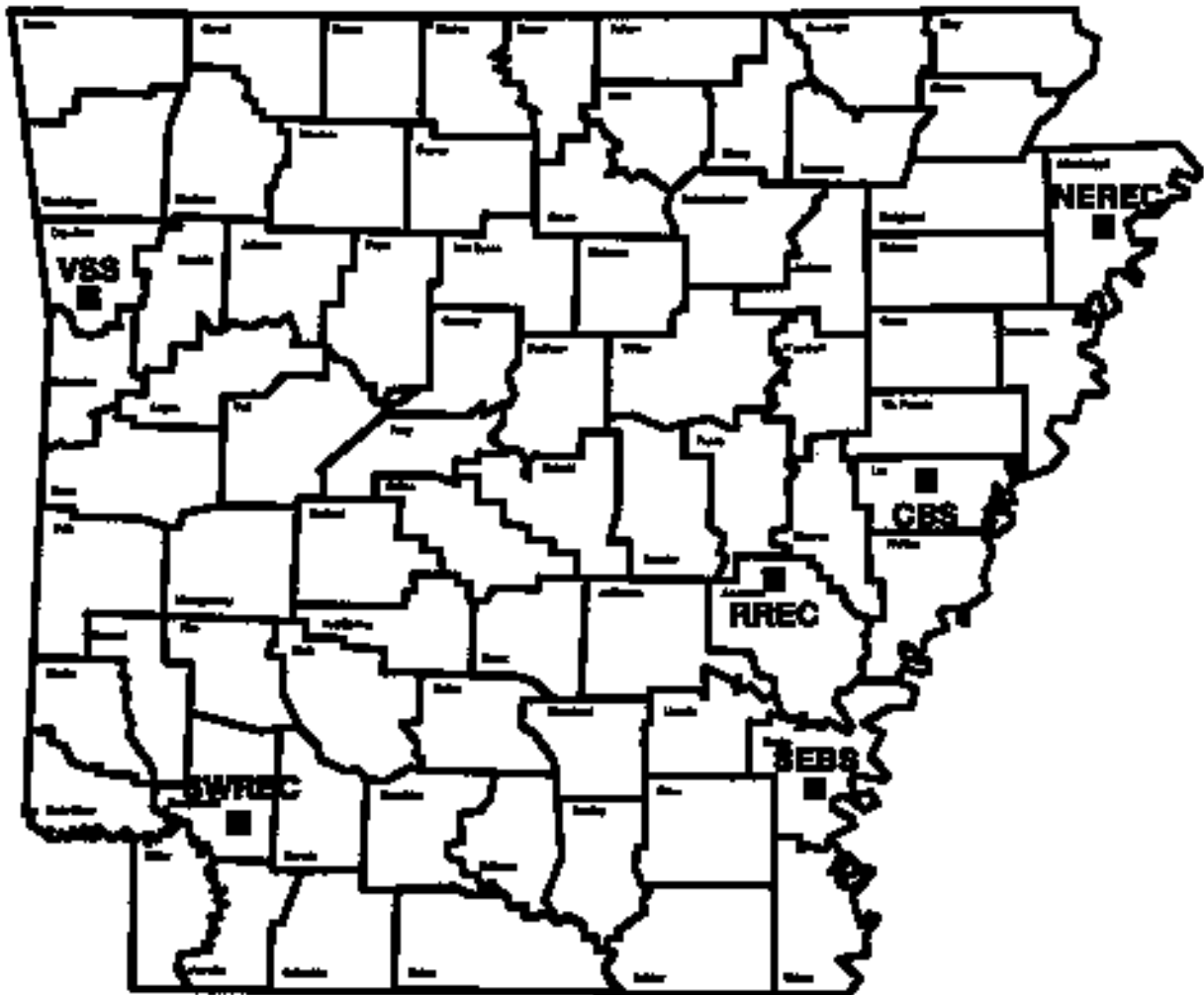
Although rainfall was very high in the fall, all tests were planted by the end of October. Soil conditions were wet at Keiser during the optimal planting period. It was decided to forego seedbed preparation and use a no-till drill to plant at the end of October rather than risk not getting the test established. Even with the wet conditions, fall stands were good at all locations.

Seasonal rainfall was higher than normal at all locations. All locations except Kibler followed the same pattern with higher than normal rainfall during the season except for the months of February and April. Monthly rainfall totals from October through May and the departure from normal (30-year average) are given for each test.

### **RESULTS**

Grain yields were good for all the wheat tests. Although wet years tend to give lower yields, conditions were favorable during the grain-filling period (April) with very little rain and cool evenings. During the cool, wet month of March, stripe rust became prevalent. Yields of susceptible cultivars were adversely affected at Hope (Lewisville), Stuttgart, and possibly at Rohwer. Leaf rust was observed in the tests but did not appear until late and probably had little impact on yield. Disease ratings for stripe rust at Stuttgart and Hope, for leaf rust at Marianna, and for powdery mildew at Hope were provided by Dr. Gene Milus, Department of Plant Pathology. Yields of wheat cultivars at all locations are summarized in Table 1. Yields and other agronomic measurements are given in Tables 2-11 along with cultural practice and site information including precipitation summaries. The results from the oat tests are presented in Tables 12-13.

## SMALL-GRAIN TEST LOCATIONS



- VSS** - Vegetable Substation, Kibler, Arkansas
- NEREC** - Northeast Research and Extension Center, Kelsor, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- SEBS** - Southeast Branch Station, Rohwer, Arkansas
- SWREC** - Southwest Research and Extension Center, Hope, Arkansas
- CBS** - Cotton Branch Station, Marianna, Arkansas

SIX locations.

	Standard Input					High Input				
	Keiser	Kibler	Mar.	Rohwer	Stutt. Lewis.	Keiser	Mar.	Rohwer	Stutt.	
	-----bu/A-----									
AGRIPRO SAVAGE	70.4	87.7	86.1	73.8	91.4	54.7	66.7	91.5	91.3	85.4
AGRIPRO D97-6075-1	66.9	85.4	94.1	68.3	91.7	58.5	67.5	90.8	87.5	89.4
AGRIPRO NATCHEZ	54.4	77.9	94.7	79.2	86.6	66.1	58.1	69.0	81.6	86.0
AGRIPRO PATTON	61.4	57.6	69.2	61.3	70.1	47.6	63.3	72.2	81.2	75.3
AGRIPRO SHELBY	69.5	72.5	77.9	70.8	87.4	47.8	67.7	76.0	87.2	86.0
AGS 2000	68.2	68.4	76.9	69.0	83.6	56.8	77.1	70.8	87.3	85.3
AR 839-25-8-2	64.0	74.5	75.4	77.7	83.4	72.5	62.1	76.7	86.5	85.2
AR 839-28-1-2	62.9	80.6	77.1	79.3	83.6	67.0	63.8	77.3	83.2	94.8
AR 850-1-1	61.1	75.7	78.1	72.3	81.5	59.7	64.1	82.2	93.4	85.9
AR 910-9-1	64.7	61.8	69.5	71.0	85.3	56.7	59.6	74.5	84.4	89.0
AR 910-9-2	60.1	57.7	70.3	71.5	85.1	54.3	63.8	64.3	76.9	73.7
AR LA85411	58.2	66.9	68.2	72.9	82.1	52.1	60.1	60.0	80.6	80.8
ARMOR 2025	60.0	75.6	73.5	81.6	87.9	72.3	68.4	69.8	91.1	87.1
ARMOR 3035	58.2	66.8	73.4	79.6	84.4	62.9	62.6	66.2	91.9	84.6
ARMOR 3235	61.2	67.7	63.8	73.1	75.8	54.1	62.8	63.2	78.5	75.1
ARMOR 4045	59.3	72.4	72.1	67.2	83.5	54.2	61.3	68.1	80.2	84.3
ARMOR X5212	52.8	58.2	60.6	61.6	70.8	34.7	50.5	64.8	78.3	71.8
ARMOR X5222	61.8	75.6	72.6	74.2	92.0	70.0	65.5	80.4	82.5	89.5
ARMOR X5333	60.9	72.6	74.8	70.2	84.3	68.0	66.1	70.5	84.4	78.7
CROPLAN GENET. 517W	63.4	61.0	64.9	78.7	80.5	54.2	64.0	61.8	77.1	76.7
CROPLAN GENET. 554W	67.1	67.1	84.8	64.3	78.8	39.5	74.9	85.2	89.8	94.7
DELTA GROW 4200	65.0	74.2	84.5	81.6	91.6	72.3	70.4	78.7	86.5	87.1
DELTA GROW 4888	58.0	71.4	74.6	78.1	85.6	59.5	65.1	75.1	84.2	86.9
DELTA GROW 5300	64.8	64.1	71.9	79.6	81.5	47.0	64.3	66.2	84.7	79.1
DELTA GROW 7100	60.1	63.2	74.1	66.6	84.6	63.2	59.4	74.7	75.8	78.1
DELTA KING 1551W	64.2	60.4	70.7	66.4	82.0	72.4	62.6	68.8	82.3	83.7
DELTA KING 7777	70.1	81.7	80.2	66.7	83.9	51.7	74.0	79.8	90.1	90.1
DELTA KING 7900	63.4	73.3	77.6	72.1	87.7	74.1	70.3	81.0	90.8	91.7
DELTA KING 9027	62.0	60.6	72.8	65.8	72.6	48.3	68.9	67.9	73.7	71.1
DELTA KING 9121	66.6	61.7	62.0	47.8	69.3	44.2	61.5	62.3	65.8	72.6
DELTA KING 9216	62.1	64.5	68.1	61.8	84.5	60.6	63.9	66.8	88.5	84.3
DELTA KING 9333	64.7	79.2	80.8	73.9	85.8	67.0	61.5	78.6	82.8	88.4
DELTA KING 9410	88.8	78.3	84.7	73.7	89.8	70.0	70.7	71.6	87.1	85.8
DIXIE 900	63.0	77.2	85.6	77.4	87.6	71.6	65.7	75.3	87.8	85.5
DIXIE 922	67.5	71.5	81.3	75.0	84.6	61.1	64.1	67.4	82.2	84.6
DIXIE X9112	56.6	62.8	64.9	68.3	71.0	49.2	55.5	61.0	72.7	78.7
DIXIE X9212	59.2	69.5	82.6	78.6	80.4	66.0	68.3	71.6	91.9	91.3
DIXIE X9312	64.1	75.6	74.7	70.8	84.1	65.8	65.2	77.2	91.7	89.5
DIXIE X9412	65.7	75.8	70.0	80.1	84.4	64.9	65.0	72.4	102.5	84.1
DIXIE X9512	73.8	70.3	74.0	79.8	85.8	71.1	66.4	67.9	92.7	80.7
DIXIE X9611	77.8	66.7	67.6	72.1	76.1	53.1	63.2	63.2	81.6	66.6
F 334W	60.8	68.6	68.6	69.3	75.8	70.5	57.9	70.2	69.5	82.8
FFR 510	64.9	62.3	74.0	67.3	63.6	28.1	62.4	78.3	75.3	76.9
FFR 521	63.5	51.5	71.7	77.8	79.3	57.6	61.5	61.0	83.0	80.5
FFR 522	60.7	62.4	67.8	67.7	75.6	45.8	64.5	69.7	83.6	74.7
FFR 556	59.0	55.7	87.4	73.4	77.7	41.1	71.6	96.3	92.6	87.7
GENESIS R023	64.7	84.7	86.3	84.1	92.6	75.9	69.0	82.3	83.0	95.1
GENESIS R024	55.0	63.2	72.9	66.7	76.9	56.5	63.0	75.1	77.5	84.8
HBK 3030	60.2	56.9	73.1	70.1	87.9	50.7	64.8	82.4	87.0	83.7

**SIX locations (continued).**

	Standard Input				High Input					
	Keiser	Kibler	Mar. Rohwer	Stutt. Lewis.	Keiser	Mar. Rohwer	Stutt.			
	-----bu/A-----									
HBK X3004	56.6	75.6	79.8	79.8	91.9	70.9	63.5	86.9	93.3	85.7
HBK X3006	59.3	65.2	71.9	63.2	84.4	64.4	60.7	78.4	81.2	84.9
LA 90185G3-1-3-4-2	67.8	59.2	70.2	69.6	66.9	40.6	60.0	61.9	83.6	79.7
LA 90518PB43-3-1-4	60.7	62.5	63.4	72.9	70.8	49.5	53.0	53.9	69.1	70.1
LA 9389C37-1	55.6	54.1	54.9	59.2	59.4	45.6	50.9	48.9	70.6	66.8
LA 94242D4-2	48.9	51.6	42.8	45.1	42.0	33.7	43.5	41.9	59.0	45.7
LA 94242D4-4	61.0	53.8	43.8	50.6	43.8	33.6	46.7	45.6	61.4	50.8
McCORMICK	64.2	74.4	79.3	75.1	79.8	63.6	64.8	77.0	89.1	77.9
NK COKER 9152	59.1	79.4	76.3	76.6	83.9	63.2	58.1	67.1	71.5	74.2
NK COKER 9543	67.4	55.0	63.0	66.7	63.8	52.6	59.3	59.2	74.9	73.2
NK COKER 9663	59.5	70.1	73.8	73.7	72.3	51.1	65.1	72.6	81.9	76.7
PAT	55.5	77.5	73.1	82.6	86.5	65.0	62.0	80.0	88.9	86.3
PIONEER 2552	58.7	84.4	74.0	71.5	86.9	56.4	63.2	79.7	88.1	87.2
PIONEER BRAND 26R24	70.0	61.0	73.1	64.6	78.2	54.8	72.7	69.8	86.2	79.9
PIONEER BRAND 26R38	70.0	59.6	69.8	65.2	63.2	51.3	65.6	54.9	85.9	77.3
PIONEER BRAND 26R46	61.7	67.7	74.5	82.0	77.1	57.3	59.1	65.0	91.5	74.1
PIONEER XW00B	75.1	67.8	74.1	74.7	90.7	64.8	69.2	74.9	91.9	91.9
PROGENY 103	60.9	62.5	72.8	75.9	83.1	52.6	63.1	67.0	79.7	86.1
PROGENY 118	59.3	71.5	67.8	67.4	77.8	61.4	62.1	70.2	80.7	74.4
PROGENY 133	63.4	66.2	71.8	76.9	82.4	61.9	64.6	73.8	89.5	92.3
PROGENY 156	66.0	58.9	68.8	64.7	67.6	50.3	58.5	65.1	80.7	83.1
PROGENY 145	64.6	70.8	74.3	80.5	89.4	65.8	60.9	67.2	84.2	88.4
PROGENY 166	56.9	80.0	83.7	81.3	93.4	67.0	70.3	78.2	91.8	86.0
PROGENY 188	68.0	62.3	68.5	68.4	77.4	67.4	58.7	74.2	87.6	82.3
ROANE	69.7	64.4	73.4	61.3	72.3	42.5	66.6	71.4	80.4	83.6
SABBE	63.8	68.6	71.6	74.3	81.3	52.2	65.5	73.3	86.3	93.3
SISSON	65.8	46.8	67.1	51.1	66.4	29.7	66.4	69.6	76.0	72.8
SOUTH. STATES SS 518	54.7	51.6	63.0	76.8	61.0	39.4	58.1	53.4	68.8	67.1
SOUTH. STATES SS 522	60.5	62.2	66.5	67.7	73.9	45.2	61.4	65.5	75.1	73.8
SOUTH. STATES SS 535	68.1	62.9	80.0	74.9	79.7	46.3	62.5	71.2	79.9	80.8
SOUTH. STATES SS520	64.3	55.0	78.3	63.0	64.5	34.5	62.8	82.7	73.7	77.1
SOUTH. STATES SS524	67.7	56.1	67.4	75.8	79.5	56.2	68.4	62.7	92.4	86.5
TERRAL LA422	66.2	50.5	65.0	56.8	70.3	40.5	61.3	59.0	68.3	73.9
TERRAL TV 8555	57.1	63.6	72.7	59.7	78.9	55.9	58.8	72.1	76.6	82.2
TERRAL TV8450	67.0	72.3	70.3	83.5	86.7	64.5	62.9	68.5	85.6	82.6
TERRAL TV8565	70.8	67.2	70.4	69.6	87.6	65.0	64.6	66.3	82.9	87.4
TERRAL TVX81466	77.2	62.5	70.4	73.8	84.6	64.0	62.2	74.7	83.5	80.2
UGA 90552AE33	61.1	66.4	70.0	71.2	73.6	45.1	61.2	68.6	95.5	81.2
UGA 92485E15	67.2	66.2	78.3	70.1	72.1	43.3	65.2	73.0	84.3	82.0
USG 3209	72.2	64.6	82.8	67.8	75.4	54.0	72.9	67.0	75.9	72.0
USG 3650	65.8	62.6	71.9	71.6	82.6	65.1	65.4	73.4	87.3	79.6
USG 3709	68.5	57.1	67.7	70.3	72.0	52.3	73.4	63.5	70.6	74.4
VA98W-593	62.8	72.9	67.8	70.9	74.6	48.9	67.0	68.0	82.1	81.9
Grand mean	63.6	66.9	72.9	71.0	79.1	56.0	63.6	70.6	82.7	81.2
LSD (5%)	10.6	9.6	7.9	11.8	8.8	9.6	7.2	10.2	11.6	7.9
C.V. (%)	12.0	10.3	7.8	12.0	8.0	12.4	8.1	10.4	10.1	7.0



NORTHEAST RESEARCH AND EXTENSION CENTER, KEISER, AR

SOIL SERIES....Sharkey silty clay  
 PREVIOUS CROP....Soybean  
 PLANTING DATE....October 24, 2001  
 FERTILIZER....100 lb/A N on February 28, 2002; 75 lb/A N on March 21, 2002  
 HERBICIDE....None  
 FUNGICIDE....None  
 INSECTICIDE....None  
 HARVEST DATE....June 20, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2001-2002	8.6	6.5	9.0	4.2	3.3	9.8	0.1	5.7	47.2
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	+6.2	+2.4	+4.3	+0.8	+0.3	+5.0	-5.0	+0.4	+14.4

**Table 2. Performance of Wheat Cultivars in Standard Performance Test, Keiser.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			-----bu/A-----	
DELTA KING 9410	88.8	54.5	0	33	4-23	5-29		
DIXIE X9611	77.8	51.0	0	32	4-27	5-28		
TERRAL TVX81466	77.2	55.5	1	29	4-25	5-28		
PIONEER XW00B	75.1	54.8	0	31	4-25	5-28		
DIXIE X9512	73.8	56.8	1	35	4-22	5-27		
USG 3209	72.2	53.8	1	26	4-22	5-30	64.1	73.6
TERRAL TV8565	70.8	54.8	0	34	4-24	5-27		
AGRIPRO SAVAGE	70.4	55.3	0	31	4-26	5-28		
DELTA KING 7777	70.1	56.5	1	33	4-25	5-28	66.5	
PIONEER BRAND 26R24	70.0	54.8	1	31	4-23	5-27	63.0	72.4
PIONEER BRAND 26R38	70.0	55.5	0	30	4-22	5-28	67.9	78.2
ROANE	69.7	54.5	0	30	4-27	5-30	58.3	66.7
AGRIPRO SHELBY	69.5	55.3	1	30	4-23	5-27	58.1	64.6
USG 3709	68.5	54.5	0	32	4-25	5-29	64.2	74.5
AGS 2000	68.2	57.5	0	31	4-21	5-28	63.8	76.5
SOUTH. STATES SS 535	68.1	56.3	0	28	4-24	5-27	60.2	70.7
PROGENY 188	68.0	54.0	0	30	4-25	5-29		
LA 90185G3-1-3-4-2	67.8	51.8	2	31	4-22	5-29	58.5	
SOUTH. STATES SS524	67.7	55.8	0	30	4-22	5-30		
DIXIE 922	67.5	54.3	1	33	4-24	5-27	59.9	70.2
NK COKER 9543	67.4	54.0	1	30	4-23	5-28	62.6	68.1
UGA 92485E15	67.2	54.5	0	30	4-22	5-27		
CROPLAN GENET. 554W	67.1	56.5	0	30	4-23	5-29	62.0	
TERRAL TV8450	67.0	55.3	0	33	4-23	5-28		
AGRIPRO D97-6075-1	66.9	55.8	0	29	4-25	5-28		
DELTA KING 9121	66.6	52.5	0	30	4-26	5-31	69.3	74.3
TERRAL LA422	66.2	53.3	2	30	4-23	5-29		
PROGENY 156	66.0	54.7	1	34	4-25	5-28	61.5	69.8
SISSON	65.8	56.0	1	31	4-23	5-29		
USG 3650	65.8	54.5	1	31	4-25	5-29		
DIXIE X9412	65.7	53.5	1	34	4-23	5-27		
DELTA GROW 4200	65.0	52.5	1	34	4-24	5-27		

Table 4. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			-----bu/A-----	
FFR 510	64.9	54.5	2	30	4-21	5-27	62.5	71.3
DELTA GROW 5300	64.8	54.0	1	32	4-26	5-27	63.2	
DELTA KING 9333	64.7	55.8	0	34	4-25	5-29	64.6	
AR 910-9-1	64.7	54.5	1	32	4-22	5-27		
GENESIS R023	64.7	55.5	1	34	4-23	5-27		
PROGENY 145	64.6	54.7	1	34	4-23	5-27		
SOUTH. STATES SS520	64.3	55.0	2	31	4-21	5-26		
McCORMICK	64.2	55.0	0	29	4-25	5-29		
DELTA KING 1551W	64.2	54.0	0	29	4-26	5-29	64.5	69.7
DIXIE X9312	64.1	52.5	1	34	4-24	5-28		
AR 839-25-8-2	64.0	53.5	0	30	4-25	5-29	63.9	
SABBE	63.8	52.8	0	30	4-26	5-30	55.2	65.3
FFR 521	63.5	54.0	0	31	4-22	5-29		
PROGENY 133	63.4	54.7	0	33	4-23	5-28		
CROPLAN GENET. 517W	63.4	53.0	1	29	4-22	5-30		
DELTA KING 7900	63.4	53.8	1	33	4-23	5-27	61.2	
DIXIE 900	63.0	55.7	0	34	4-24	5-27	61.8	70.9
AR 839-28-1-2	62.9	53.3	0	31	4-25	5-31	62.3	
VA98W-593	62.8	56.5	0	27	4-24	5-30	61.7	
DELTA KING 9216	62.1	55.5	1	32	4-26	5-27	65.3	
DELTA KING 9027	62.0	54.0	0	33	4-25	5-29	58.6	66.5
ARMOR X5222	61.8	55.7	0	34	4-24	5-27		
PIONEER BRAND 26R46	61.7	55.8	1	30	4-21	5-26	59.0	
AGRIPRO PATTON	61.4	52.8	0	31	4-24	5-29	63.3	69.9
ARMOR 3235	61.2	55.8	1	33	4-24	5-26	55.7	64.9
UGA 90552AE33	61.1	57.5	0	29	4-22	5-28		
AR 850-1-1	61.1	54.8	0	31	4-24	5-28		
LA 94242D4-4	61.0	53.0	0	30	4-23	5-29		
ARMOR X5333	60.9	54.5	1	32	4-24	5-28		
PROGENY 103	60.9	51.3	1	31	4-25	5-28	58.3	63.2
F 334W	60.8	54.5	0	34	4-27	5-29	60.2	
FFR 522	60.7	55.5	1	29	4-22	5-28	57.4	
LA 90518PB43-3-1-4	60.7	54.0	1	27	4-22	5-27	60.7	
SOUTH. STATES SS 522	60.5	56.7	1	30	4-23	5-27	60.1	67.3
HBK 3030	60.2	54.3	0	29	4-23	5-27	59.9	
DELTA GROW 7100	60.1	53.5	1	30	4-25	5-28		
AR 910-9-2	60.1	54.0	1	32	4-22	5-27		
ARMOR 2025	60.0	55.0	1	33	4-23	5-28	58.6	69.6
NK COKER 9663	59.5	54.3	2	31	4-23	5-27	51.0	64.2
PROGENY 118	59.3	52.3	1	31	4-25	5-28		
HBK X3006	59.3	52.8	1	29	4-25	5-27		
ARMOR 4045	59.3	53.8	1	33	4-24	5-27	55.6	64.3
DIXIE X9212	59.2	51.3	2	35	4-22	5-27		
NK COKER 9152	59.1	54.3	0	33	4-22	5-28	54.3	
FFR 556	59.0	55.5	1	30	4-24	5-29		
PIONEER 2552	58.7	51.0	0	30	4-26	5-30		
AR LA85411	58.2	49.5	0	29	4-23	5-29	55.6	67.4
ARMOR 3035	58.2	53.3	0	33	4-24	5-27	58.1	69.0
DELTA GROW 4888	58.0	55.3	0	33	4-23	5-27	61.1	62.3
TERRAL TV 8555	57.1	54.8	0	27	4-25	5-29	51.3	64.6
PROGENY 166	56.9	52.3	0	35	4-24	5-27		

Table 2. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			-----bu/A-----	
DIXIE X9112	56.6	53.0	2	33	4-21	5-26		
HBK X3004	56.6	54.8	0	33	4-24	5-28		
LA 9389C37-1	55.6	53.3	0	28	4-23	5-31		
PAT	55.5	53.8	0	31	4-28	5-31	57.2	64.4
GENESIS R024	55.0	55.5	0	29	4-25	5-29		
SOUTH. STATES SS 518	54.7	53.3	15	28	4-21	5-27	56.2	66.7
AGRIPRO NATCHEZ	54.4	54.7	2	34	4-24	5-26	51.1	62.9
ARMOR X5212	52.8	51.8	1	31	4-25	5-30		
LA 94242D4-2	48.9	53.3	0	30	4-24	5-30		
Grand mean	63.6	54.3	1	31	4-24	5-28	60.2	68.5
LSD (5%)	10.6	3.2		2	1	2	10.5	10.4
C.V. (%)	12.0	4.3		6	2	1	10.6	10.8

Ldg = Lodging      Pt ht = Plant height

NORTHEAST RESEARCH AND EXTENSION CENTER, KEISER, AK

SOIL SERIES....Sharkey silty clay  
 PREVIOUS CROP....Soybean  
 PLANTING DATE....October 24, 2001  
 FERTILIZER....100 lb/A N on February 28, 2002; 75 lb/A N on March 21, 2002  
 HERBICIDE....None  
 FUNGICIDE....4 oz/A Tilt on April 17, 2002  
 INSECTICIDE....None  
 HARVEST DATE....June 24, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	8.6	6.5	9.0	4.2	3.3	9.8	0.1	5.7	47.2
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	+6.2	+2.4	+4.3	+0.8	+0.3	+5.0	-5.0	+0.4	+14.4

Table 3. Performance of Wheat Cultivars in High Input Performance Test, Keiser.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	in			----bu/A----	
AGS 2000	77.1	58.0	31	4-21	5-28	70.2	83.6
CROPLAN GENET. 554W	74.9	56.5	30	4-24	5-30	65.7	
DELTA KING 7777	74.0	56.8	32	4-26	5-28	73.4	
USG 3709	73.4	55.5	34	4-25	5-28	71.8	82.9
USG 3209	72.9	56.5	27	4-23	5-28	65.7	78.7
PIONEER BRAND 26R24	72.7	56.8	30	4-23	5-28	64.6	76.5
FFR 556	71.6	56.5	30	4-23	5-29		
DELTA KING 9410	70.7	55.3	34	4-24	5-27		
DELTA GROW 4200	70.4	55.0	35	4-24	5-27		
DELTA KING 7900	70.3	55.5	36	4-23	5-26	63.2	
PROGENY 166	70.3	55.3	34	4-24	5-26		
PIONEER XW00B	69.2	55.3	29	4-24	5-28		
GENESIS R023	69.0	55.8	34	4-23	5-26		
DELTA KING 9027	68.9	56.0	34	4-25	5-31	65.5	77.9
SOUTH. STATES SS524	68.4	55.5	31	4-22	5-30		
ARMOR 2025	68.4	56.0	35	4-23	5-27	62.3	75.8
DIXIE X9212	68.3	55.5	33	4-23	5-26		
AGRIPRO SHELBY	67.7	58.3	31	4-22	5-27	63.8	73.3
AGRIPRO D97-6075-1	67.5	57.3	30	4-25	5-27		
VA98W-593	67.0	58.0	28	4-25	5-31	65.4	
AGRIPRO SAVAGE	66.7	57.5	30	4-26	5-27		
ROANE	66.6	57.3	29	4-27	5-30	60.5	73.1
DIXIE X9512	66.4	56.0	34	4-23	5-27		
SISSON	66.4	56.3	31	4-23	5-27		
ARMOR X5333	66.1	56.3	34	4-23	5-27		
DIXIE 900	65.7	55.8	33	4-23	5-27	63.3	
PIONEER BRAND 26R38	65.6	55.8	32	4-22	5-28	68.3	78.5
ARMOR X5222	65.5	56.0	34	4-24	5-27		
SABBE	65.5	53.0	30	4-26	5-30	62.9	73.2
USG 3650	65.4	56.3	29	4-25	5-28		
DIXIE X9312	65.2	55.8	35	4-25	5-27		
UGA 92485E15	65.2	58.8	29	4-22	5-26		

Table 5. (continued).

Entry Name	Yield bu/A	Test wt lb/bu	Pt ht in	Head date	Mat. date	2-Yr avg	3-Yr avg
DELTA GROW 4888	65.1	55.5	34	4-24	5-27	62.0	64.7
NK COKER 9663	65.1	56.8	30	4-23	5-26	64.8	76.1
DIXIE X9412	65.0	56.3	34	4-24	5-26		
McCORMICK	64.8	57.5	29	4-25	5-30		
HBK 3030	64.8	55.3	32	4-23	5-27	62.5	
TERRAL TV8565	64.6	56.0	35	4-24	5-27		
PROGENY 133	64.6	54.5	34	4-24	5-27		
FFR 522	64.5	57.5	30	4-23	5-28	61.9	
DELTA GROW 5300	64.3	54.7	31	4-25	5-27	61.9	
DIXIE 922	64.1	56.3	35	4-24	5-27	59.8	74.9
AR 850-1-1	64.1	57.8	30	4-25	5-28		
CROPLAN GENET. 517W	64.0	54.8	31	4-22	5-29		
DELTA KING 9216	63.9	54.8	34	4-25	5-26	68.1	
AR 839-28-1-2	63.8	56.3	31	4-27	5-29	62.4	
AR 910-9-2	63.8	54.3	32	4-21	5-26		
HBK X3004	63.5	56.0	35	4-24	5-27		
AGRIPRO PATTON	63.3	55.3	32	4-24	5-29	61.8	73.1
DIXIE X9611	63.2	54.8	34	4-27	5-29		
PIONEER 2552	63.2	57.0	31	4-26	5-29		
PROGENY 103	63.1	54.8	31	4-26	5-27	60.6	69.7
GENESIS R024	63.0	56.3	29	4-25	5-27		
TERRAL TV8450	62.9	56.5	32	4-23	5-27		
ARMOR 3235	62.8	56.5	33	4-26	5-26	58.8	68.8
SOUTH. STATES SS520	62.8	57.0	32	4-21	5-26		
ARMOR 3035	62.6	55.5	33	4-24	5-27	63.9	73.6
DELTA KING 1551W	62.6	55.3	29	4-27	5-28	65.6	74.3
SOUTH. STATES SS 535	62.5	57.0	30	4-25	5-27	60.4	70.2
FFR 510	62.4	56.8	32	4-21	5-25	57.7	71.8
TERRAL TVX81466	62.2	56.3	30	4-25	5-28		
PROGENY 118	62.1	56.8	33	4-26	5-29		
AR 839-25-8-2	62.1	55.3	30	4-27	5-28	63.9	
PAT	62.0	55.8	31	4-28	5-30	65.6	74.3
FFR 521	61.5	55.3	30	4-22	5-29		
DELTA KING 9333	61.5	56.3	34	4-26	5-29	61.9	
DELTA KING 9121	61.5	53.0	31	4-26	5-31	67.0	75.2
SOUTH. STATES SS 522	61.4	57.5	30	4-23	5-27	59.7	72.5
TERRAL LA422	61.3	57.0	30	4-24	5-27		
ARMOR 4045	61.3	55.8	33	4-24	5-27	58.7	72.5
UGA 90552AE33	61.2	57.0	30	4-22	5-26		
PROGENY 145	60.9	56.3	35	4-23	5-28		
HBK X3006	60.7	55.5	30	4-25	5-28		
AR LA85411	60.1	55.5	30	4-24	5-28	57.8	74.3
LA 90185G3-1-3-4-2	60.0	55.8	30	4-22	5-30	59.0	
AR 910-9-1	59.6	54.5	33	4-22	5-27		
DELTA GROW 7100	59.4	55.5	29	4-26	5-28		
NK COKER 9543	59.3	56.5	29	4-23	5-28	54.6	62.9
PIONEER BRAND 26R46	59.1	55.5	29	4-22	5-25	58.5	72.0
TERRAL TV 8555	58.8	56.0	28	4-26	5-29	54.2	68.2
PROGENY 188	58.7	56.5	31	4-26	5-28		
PROGENY 156	58.5	54.3	33	4-25	5-27	58.7	69.3
NK COKER 9152	58.1	54.5	33	4-23	5-27	54.4	

Table 5. (continued).

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	in			----bu/A----	
AGRIPRO NATCHEZ	58.1	55.0	34	4-24	5-26	56.7	70.0
SOUTH. STATES SS 518	58.1	54.8	29	4-21	5-27	53.9	66.7
F 334W	57.9	56.3	33	4-28	5-31	62.7	
DIXIE X9112	55.5	54.8	33	4-22	5-26		
LA 90518PB43-3-1-4	53.0	53.8	29	4-22	5-27	55.8	
LA 9389C37-1	50.9	54.0	28	4-23	5-29		
ARMOR X5212	50.5	55.0	31	4-25	5-29		
LA 94242D4-4	46.7	54.8	31	4-23	5-29		
LA 94242D4-2	43.5	54.5	30	4-23	5-30		
Grand mean	63.6	55.9	32	4-24	5-28	62.2	73.2
LSD (5%)	7.2	1.3	2	1	2	9.6	9.0
C.V. (%)	8.1	1.7	5	1	1	10.6	10.5

Pt ht = Plant height

**VEGETABLE SUBSTATION, KIBLER, AR**

SOIL SERIES....Roxanna silt loam  
 PREVIOUS CROP....Fallow  
 PLANTING DATE....October 29, 2001  
 FERTILIZER....60 lb N/A + 18 lb S/A on March 14, 2002  
 HERBICIDE APPLICATION....None  
 FUNGICIDE APPLICATION....None  
 HARVEST DATE....June 25, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	3.2	2.6	6.3	2.9	1.7	9.8	6.6	3.2	36.2
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	-0.1	-0.6	+3.5	+0.5	-1.0	+5.9	+2.4	-1.4	+9.2

**Table 4. Performance of Wheat Cultivars in Standard Performance Test, Kibler.**

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu	in		
AGRIPRO SAVAGE	87.7	55.5	35	4-25	6-02
AGRIPRO D97-6075-1	85.4	55.5	36	4-24	5-31
GENESIS R023	84.7	53.5	41	4-26	6-04
PIONEER 2552	84.4	53.3	36	4-24	6-04
DELTA KING 7777	81.7	53.8	40	4-27	6-03
AR 839-28-1-2	80.6	53.5	38	4-27	6-03
PROGENY 166	80.0	55.0	40	4-28	6-04
NK COKER 9152	79.4	52.8	39	4-23	6-02
DELTA KING 9333	79.2	53.3	40	4-26	6-03
DELTA KING 9410	78.3	53.3	39	4-25	6-03
AGRIPRO NATCHEZ	77.9	52.3	39	4-28	6-02
PAT	77.5	54.3	40	4-29	6-04
DIXIE 900	77.2	54.0	39	4-28	6-04
DIXIE X9412	75.8	53.8	40	4-27	6-04
AR 850-1-1	75.7	54.5	37	4-25	5-30
DIXIE X9312	75.6	53.5	40	4-28	6-04
HBK X3004	75.6	54.3	40	4-28	6-04
ARMOR 2025	75.6	53.0	41	4-26	6-04
ARMOR X5222	75.6	55.0	39	4-26	6-04
AR 839-25-8-2	74.5	54.0	37	4-26	6-01
McCORMICK	74.4	54.3	35	4-27	6-02
DELTA GROW 4200	74.2	54.8	39	4-26	6-03
DELTA KING 7900	73.3	53.3	40	4-26	6-03
VA98W-593	72.9	54.5	35	4-27	6-04
ARMOR X5333	72.6	51.5	41	4-27	6-04
AGRIPRO SHELBY	72.5	54.3	40	4-26	6-04
ARMOR 4045	72.4	51.5	40	4-26	6-04
TERRAL TV8450	72.3	52.5	39	4-26	6-03
PROGENY 118	71.5	54.5	40	4-25	6-03
DIXIE 922	71.5	53.8	40	4-27	6-03
DELTA GROW 4888	71.4	52.5	40	4-26	6-03
PROGENY 145	70.8	53.0	39	4-26	6-03
DIXIE X9512	70.3	52.0	39	4-25	6-03

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu	in		
NK COKER 9663	70.1	54.5	40	4-26	6-05
DIXIE X9212	69.5	53.8	41	4-26	6-04
F 334W	68.6	55.5	40	4-28	6-05
SABBE	68.6	52.3	37	4-30	6-05
AGS 2000	68.4	51.8	38	4-24	6-03
PIONEER XW00B	67.8	51.3	36	4-25	6-02
PIONEER BRAND 26R46	67.7	51.5	35	4-24	6-02
ARMOR 3235	67.7	52.3	40	4-26	6-04
TERRAL TV8565	67.2	52.7	40	4-27	6-04
CROPLAN GENET. 554W	67.1	48.8	36	4-26	6-03
AR LA85411	66.9	53.0	36	4-24	6-01
ARMOR 3035	66.8	52.8	38	4-27	6-04
DIXIE X9611	66.7	50.0	39	4-27	6-02
UGA 90552AE33	66.4	51.8	37	4-25	6-02
PROGENY 133	66.2	52.8	38	4-26	6-03
UGA 92485E15	66.2	51.3	38	4-25	6-03
HBK X3006	65.2	50.8	35	4-30	6-03
USG 3209	64.6	51.5	34	4-24	6-02
DELTA KING 9216	64.5	52.0	39	4-28	6-04
ROANE	64.4	53.8	36	4-26	6-02
DELTA GROW 5300	64.1	49.8	39	4-26	6-03
TERRAL TV 8555	63.6	52.0	32	4-28	6-04
GENESIS R024	63.2	52.0	34	4-28	6-03
DELTA GROW 7100	63.2	51.5	37	4-28	6-04
SOUTH. STATES SS 535	62.9	51.5	36	4-28	6-03
DIXIE X9112	62.8	49.0	41	4-26	6-04
USG 3650	62.6	50.8	37	4-27	6-03
LA 90518PB43-3-1-4	62.5	51.0	35	4-26	6-03
PROGENY 103	62.5	49.3	36	4-28	6-03
TERRAL TVX81466	62.5	51.8	37	4-29	6-04
FFR 522	62.4	50.5	34	4-26	6-02
FFR 510	62.3	48.5	38	4-23	5-31
PROGENY 188	62.3	51.5	35	4-26	6-02
SOUTH. STATES SS 522	62.2	51.5	35	4-26	6-04
AR 910-9-1	61.8	52.0	38	4-25	6-02
DELTA KING 9121	61.7	50.5	36	4-25	6-04
CROPLAN GENET. 517W	61.0	50.3	33	4-22	6-02
PIONEER BRAND 26R24	61.0	51.0	35	4-26	6-03
DELTA KING 9027	60.6	50.8	36	4-27	6-03
DELTA KING 1551W	60.4	51.7	35	4-25	6-04
PIONEER BRAND 26R38	59.6	51.3	37	4-26	6-02
LA 90185G3-1-3-4-2	59.2	50.7	38	4-27	6-05
PROGENY 156	58.9	50.8	36	4-28	6-05
ARMOR X5212	58.2	52.5	37	4-26	6-03
AR 910-9-2	57.7	51.3	38	4-26	6-05
AGRIPRO PATTON	57.6	49.0	37	4-26	6-05
USG 3709	57.1	49.8	38	4-23	6-05
HBK 3030	56.9	51.5	36	4-23	6-03
SOUTH. STATES SS524	56.1	49.0	34	4-24	6-03
FFR 556	55.7	50.8	36	4-25	6-01



Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu	in		
SOUTH. STATES SS520	55.0	47.7	37	4-23	6-01
NK COKER 9543	55.0	49.0	36	4-24	6-01
LA 9389C37-1	54.1	52.5	34	4-27	6-05
LA 94242D4-4	53.8	51.8	38	4-26	6-04
LA 94242D4-2	51.6	52.8	38	4-25	6-03
SOUTH. STATES SS 518	51.6	49.7	36	4-24	6-01
FFR 521	51.5	50.3	33	4-24	6-04
TERRAL LA422	50.5	49.8	37	4-26	6-03
SISSON	46.8	48.5	35	4-23	6-03
Grand mean	66.9	52.1	37	4-26	6-03
LSD (5%)	9.6	2.4	3	2	2
C.V. (%)	10.3	3.4	6	3	2

Pt ht = Plant height

COTTON BRANCH STATION, MARIANNA, AR

SOIL SERIES...Loring silt loam

PREVIOUS CROP...Fallow

PLANTING DATE...October 17, 2001

FERTILIZER... 60 lb/A N on Feb. 13, 2002; 40 lb/A N on March 5, 2002; 150 lb/A 0-0-60 on Feb. 12, 2002; 150 lb/A 0-46-0 on Feb. 14, 2002; and 18 lb S/A on March 5, 2002

HERBICIDE...1\_ pt/A Hoelon on November 16, 2002

INSECTICIDE...None

HARVEST DATE...June 4, 2002

PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	6.2	7.7	10.2	2.8	2.3	11.4	0.8	4.5	45.9
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+3.2	+3.3	+5.4	-1.6	-1.8	+6.0	-4.7	-0.7	+9.1

Table 5. Performance of Wheat Cultivars in Standard Performance Test, Marianna.

Entry Name	Yield	Test wt	Pt Ldg	Head ht	Mat. date	Wint kill	Leaf rust	2-Yr avg	3-Yr avg	
	bu/A	lb/bu	%	in		%	%	bu/A		
--										
AGRIPRO NATCHEZ	94.7	53.5	2	38	4-18	5-24	0	0	86.0	87.9
AGRIPRO D97-6075-1	94.1	57.5	0	34	4-18	5-23	0	3		
FFR 556	87.4	53.3	0	35	4-17	5-23	0	2		
GENESIS R023	86.3	56.3	0	39	4-17	5-23	0	1		
AGRIPRO SAVAGE	86.1	57.5	0	34	4-18	5-23	0	4		
DIXIE 900	85.6	54.5	0	39	4-17	5-24	0	0	84.4	91.3
CROPLAN GENET. 554W	84.8	53.3	0	34	4-18	5-23	0	1	78.7	
DELTA KING 9410	84.7	56.0	1	36	4-17	5-24	0	2		
DELTA GROW 4200	84.5	53.7	1	38	4-17	5-24	0	4		
PROGENY 166	83.7	54.5	0	36	4-16	5-23	0	1		
USG 3209	82.8	54.0	0	32	4-17	5-23	0	0	79.6	82.9
DIXIE X9212	82.6	53.5	1	38	4-17	5-23	0	2		
DIXIE 922	81.3	53.7	0	38	4-17	5-24	0	1	78.8	86.7
DELTA KING 9333	80.8	56.0	0	41	4-18	5-23	0	1	80.7	
DELTA KING 7777	80.2	55.0	0	38	4-18	5-24	0	30	83.1	
SOUTH. STATES SS 535	80.0	57.3	0	33	4-18	5-23	0	2	82.4	85.2
HBK X3004	79.8	56.0	0	38	4-17	5-23	0	4		
McCORMICK	79.3	54.0	0	32	4-18	5-23	0	4		
SOUTH. STATES SS520	78.3	51.5	1	37	4-16	5-23	0	2		
UGA 92485E15	78.3	55.3	1	37	4-18	5-23	0	1		
AR 850-1-1	78.1	57.5	0	34	4-18	5-24	1	0		
AGRIPRO SHELBY	77.9	55.3	1	39	4-16	5-24	0	4	79.9	86.9
DELTA KING 7900	77.6	53.3	0	38	4-17	5-24	0	3	77.4	
AR 839-28-1-2	77.1	55.5	0	37	4-18	5-24	0	2	77.8	
AGS 2000	76.9	56.0	0	36	4-12	5-24	1	0	77.9	83.8
NK COKER 9152	76.3	55.5	1	36	4-17	5-24	0	0	80.1	
AR 839-25-8-2	75.4	55.8	0	35	4-18	5-24	0	2	76.3	
ARMOR X5333	74.8	52.3	0	39	4-18	5-24	0	3		
DIXIE X9312	74.7	52.7	1	39	4-18	5-23	0	6		
DELTA GROW 4888	74.6	51.3	0	39	4-18	5-23	0	2	76.0	76.0
PIONEER BRAND 26R46	74.5	54.5	1	35	4-16	5-24	3	1	79.2	83.8
PROGENY 145	74.3	54.0	0	38	4-17	5-23	0	1		

Table 5. (continued).

Entry Name	Yield	Test wt	Pt Ldg	Head ht	Mat. date	Wint kill	Leaf rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in		%	%	---bu/A---	
PIONEER XW00B	74.1	51.3	0	34	4-16	5-24	0	0	
DELTA GROW 7100	74.1	53.8	0	33	4-18	5-23	0	4	
DIXIE X9512	74.0	55.8	1	38	4-17	5-23	0	7	
FFR 510	74.0	51.5	0	37	4-16	5-23	0	1	74.1 79.8
PIONEER 2552	74.0	53.8	0	34	4-20	5-24	0	12	
NK COKER 9663	73.8	55.5	2	38	4-17	5-23	0	2	75.9 81.0
ARMOR 2025	73.5	54.8	0	37	4-17	5-23	0	1	77.4 85.0
ROANE	73.4	58.3	0	33	4-19	5-23	0	0	69.0 77.9
ARMOR 3035	73.4	52.8	0	38	4-18	5-23	0	1	83.6 85.9
PIONEER BRAND 26R24	73.1	53.3	1	37	4-17	5-23	0	1	77.9 80.1
PAT	73.1	56.5	0	36	4-22	5-24	0	2	75.2 81.0
HBK 3030	73.1	53.3	0	33	4-17	5-23	0	1	70.6
GENESIS R024	72.9	55.3	0	32	4-18	5-23	0	1	
DELTA KING 9027	72.8	51.8	0	36	4-19	5-24	0	1	67.1 74.3
PROGENY 103	72.8	53.3	1	38	4-18	5-24	0	2	71.1 78.9
TERRAL TV 8555	72.7	51.8	0	33	4-19	5-24	0	0	76.7 83.8
ARMOR X5222	72.6	52.3	0	38	4-18	5-24	0	1	
ARMOR 4045	72.1	54.5	1	38	4-16	5-23	0	4	74.3 81.3
HBK X3006	71.9	51.8	0	35	4-21	5-23	0	1	
DELTA GROW 5300	71.9	53.8	0	35	4-17	5-23	0	3	71.6
USG 3650	71.9	54.8	0	34	4-18	5-23	0	4	
PROGENY 133	71.8	53.7	0	37	4-17	5-23	0	3	
FFR 521	71.7	48.3	0	34	4-16	5-23	0	1	
SABBE	71.6	54.3	0	36	4-18	5-23	0	12	70.1 75.0
DELTA KING 1551W	70.7	54.0	0	35	4-19	5-23	0	4	70.6 80.5
TERRAL TVX81466	70.4	54.0	0	33	4-18	5-24	0	1	
TERRAL TV8565	70.4	52.8	0	38	4-18	5-23	0	1	
TERRAL TV8450	70.3	51.0	0	38	4-17	5-23	0	5	
AR 910-9-2	70.3	51.8	2	38	4-15	5-23	0	0	
LA 90185G3-1-3-4-2	70.2	50.5	1	36	4-15	5-23	1	2	80.5
UGA 90552AE33	70.0	54.0	0	36	4-14	5-23	1	1	
DIXIE X9412	70.0	53.8	0	38	4-17	5-23	0	2	
PIONEER BRAND 26R38	69.8	53.5	1	37	4-17	5-23	1	6	77.4 79.8
AR 910-9-1	69.5	51.7	3	38	4-14	5-23	0	1	
AGRIPRO PATTON	69.2	52.0	0	37	4-18	5-23	0	0	72.2 77.0
PROGENY 156	68.8	52.5	1	38	4-18	5-23	0	1	71.3 78.4
F 334W	68.6	56.3	0	39	4-20	5-24	0	1	71.6
PROGENY 188	68.5	53.5	0	36	4-18	5-23	0	1	
AR LA85411	68.2	56.5	0	34	4-17	5-23	0	0	71.9 77.8
DELTA KING 9216	68.1	51.3	0	38	4-18	5-23	0	2	74.7
PROGENY 118	67.8	51.0	1	39	4-17	5-23	0	13	
FFR 522	67.8	53.8	0	37	4-17	5-23	0	0	75.3
VA98W-593	67.8	54.3	0	33	4-18	5-23	0	5	73.6
USG 3709	67.7	49.3	0	37	4-18	5-24	0	30	71.1 75.9
DIXIE X9611	67.6	51.7	0	38	4-19	5-23	0	1	
SOUTH. STATES SS524	67.4	51.0	0	34	4-16	5-23	0	1	
SISSON	67.1	52.3	1	34	4-16	5-23	0	2	
SOUTH. STATES SS 522	66.5	53.8	1	35	4-18	5-23	0	0	72.7 76.6
TERRAL LA422	65.0	52.8	0	34	4-17	5-23	3	0	
DIXIE X9112	64.9	48.3	0	38	4-17	5-23	0	5	
CROPLAN GENET. 517W	64.9	48.3	0	34	4-17	5-23	0	1	

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Wint kill	Leaf rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			%	%	---bu/A---	
ARMOR 3235	63.8	50.0	1	36	4-18	5-24	8	5	67.4	75.0
LA 90518PB43-3-1-4	63.4	53.8	0	34	4-17	5-23	1	0	70.8	
SOUTH. STATES SS 518	63.0	47.5	3	34	4-12	5-23	1	0	69.9	74.5
NK COKER 9543	63.0	50.5	0	34	4-17	5-24	0	0	67.7	71.7
DELTA KING 9121	62.0	52.5	0	32	4-19	5-23	0	0	64.8	70.6
ARMOR X5212	60.6	55.5	0	35	4-18	5-24	0	1		
LA 9389C37-1	54.9	54.5	0	32	4-16	5-24	3	0		
LA 94242D4-4	43.8	51.8	0	34	4-17	5-25	23	0		
LA 94242D4-2	42.8	52.3	0	34	4-18	5-25	30	0		
Grand mean	72.9	53.5	0	36	4-17	5-23	1	3	75.2	80.2
LSD (5%)	7.9	3.5		2	2	1	3		11.5	8.9
C.V. (%)	7.8	4.7		4	2	1	285		8.9	8.2

Ldg = Lodging

Pt ht = Plant height

**COTTON BRANCH STATION, MARIANNA, AR**

SOIL SERIES...Loring silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE...October 17, 2001  
 FERTILIZER... 90 lb/A N on Feb. 13, 2002; 60 lb/A N on March 5, 2002; 150 lb/A 0-0-60 on Feb. 12, 2002; 150 lb/A 0-46-0 on Feb. 14, 2002; and 18 lb S/A on March 5, 2002  
 HERBICIDE...1\_ pt/A Hoelon on November 16, 2002  
 FUNGICIDE...4 oz/A Tilt on April 11, 2002  
 INSECTICIDE...None  
 HARVEST DATE...June 3, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2001-2002	6.2	7.7	10.2	2.8	2.3	11.4	0.8	4.5	45.9
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+3.2	+3.3	+5.4	-1.6	-1.8	+6.0	-4.7	-0.7	+9.1

**Table 6. Performance of Wheat Cultivars in High Input Performance Test, Marianna.**

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	Wint kill	2-Yr avg	3-Yr avg
	bu/A	lb/bu	in			%	----bu/A----	
FFR 556	96.3	52.3	35	4-17	5-23	0		
AGRIPRO SAVAGE	91.5	55.0	34	4-19	5-24	0		
AGRIPRO D97-6075-1	90.8	55.5	34	4-19	5-24	0		
HBK X3004	86.9	52.8	39	4-18	5-23	0		
CROPLAN GENET. 554W	85.2	52.3	35	4-17	5-24	0	84.7	
SOUTH. STATES SS520	82.7	52.0	37	4-16	5-23	0		
HBK 3030	82.4	54.0	34	4-17	5-23	0	79.2	
GENESIS R023	82.3	52.8	39	4-17	5-24	0		
AR 850-1-1	82.2	57.3	34	4-19	5-25	13		
DELTA KING 7900	81.0	53.8	39	4-18	5-25	0	84.8	
ARMOR X5222	80.4	53.3	38	4-17	5-24	0		
PAT	80.0	55.5	38	4-22	5-26	0	81.7	87.0
DELTA KING 7777	79.8	53.3	39	4-18	5-25	0	84.7	
PIONEER 2552	79.7	53.3	36	4-19	5-25	0		
DELTA GROW 4200	78.7	53.8	39	4-17	5-24	0		
DELTA KING 9333	78.6	55.5	40	4-19	5-24	0	79.9	
HBK X3006	78.4	52.3	35	4-19	5-23	0		
FFR 510	78.3	51.8	36	4-17	5-23	0	80.5	87.5
PROGENY 166	78.2	54.5	38	4-18	5-24	0		
AR 839-28-1-2	77.3	53.5	37	4-18	5-24	0	81.1	
DIXIE X9312	77.2	53.8	37	4-18	5-25	0		
McCORMICK	77.0	54.8	32	4-19	5-24	0		
AR 839-25-8-2	76.7	54.0	37	4-18	5-24	0	80.5	
AGRIPRO SHELBY	76.0	56.0	37	4-17	5-24	1	83.9	88.1
DIXIE 900	75.3	54.5	39	4-17	5-25	0	82.6	87.1
GENESIS R024	75.1	53.8	34	4-19	5-24	0		
DELTA GROW 4888	75.1	52.3	38	4-18	5-23	0	83.9	83.8
PIONEER XW00B	74.9	51.5	35	4-18	5-23	0		
DELTA GROW 7100	74.7	52.8	35	4-18	5-24	0		
TERRAL TVX81466	74.7	53.0	34	4-19	5-24	0		
AR 910-9-1	74.5	50.0	38	4-16	5-23	0		

Table 6. (continued).

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	Wint kill	2-Yr avg	3-Yr avg
	bu/A	lb/bu	in			%	----bu/A----	
PROGENY 188	74.2	53.5	33	4-19	5-24	0		
PROGENY 133	73.8	53.5	37	4-18	5-23	0		
USG 3650	73.4	54.0	34	4-19	5-23	0		
SABBE	73.3	55.5	36	4-19	5-24	0	74.8	82.7
UGA 92485E15	73.0	50.5	35	4-15	5-23	4		
NK COKER 9663	72.6	58.0	39	4-17	5-24	0	78.4	88.0
DIXIE X9412	72.4	50.8	37	4-18	5-24	0		
AGRIPRO PATTON	72.2	50.3	37	4-18	5-24	0	75.1	81.3
TERRAL TV 8555	72.1	50.3	34	4-19	5-24	0	79.5	83.1
DELTA KING 9410	71.6	52.8	37	4-18	5-24	0		
DIXIE X9212	71.6	48.3	38	4-17	5-23	0		
ROANE	71.4	53.5	34	4-19	5-24	0	74.3	82.0
SOUTH. STATES SS 535	71.2	53.8	33	4-18	5-23	0	79.4	86.0
AGS 2000	70.8	47.0	35	4-13	5-23	0	80.2	88.2
ARMOR X5333	70.5	51.5	37	4-17	5-23	0		
F 334W	70.2	53.0	39	4-22	5-26	0	78.4	
PROGENY 118	70.2	53.3	39	4-18	5-24	0		
PIONEER BRAND 26R24	69.8	49.0	36	4-17	5-23	0	81.4	87.9
ARMOR 2025	69.8	49.8	38	4-17	5-24	0	78.7	86.1
FFR 522	69.7	54.0	35	4-17	5-23	0	81.3	
SISSON	69.6	52.8	35	4-18	5-23	0		
AGRIPRO NATCHEZ	69.0	48.8	37	4-19	5-26	0	77.7	86.2
DELTA KING 1551W	68.8	54.3	35	4-18	5-23	0	75.8	85.9
UGA 90552AE33	68.6	51.5	34	4-14	5-23	5		
TERRAL TV8450	68.5	48.5	38	4-17	5-23	0		
ARMOR 4045	68.1	51.8	38	4-18	5-25	0	76.8	85.6
VA98W-593	68.0	56.0	32	4-18	5-24	0	79.5	
DELTA KING 9027	67.9	49.8	36	4-18	5-23	0	70.8	80.5
DIXIE X9512	67.9	50.5	38	4-17	5-23	0		
DIXIE 922	67.4	51.0	38	4-17	5-24	0	76.6	84.6
PROGENY 145	67.2	50.3	37	4-17	5-23	0		
NK COKER 9152	67.1	50.3	37	4-18	5-23	0	75.8	
PROGENY 103	67.0	50.3	36	4-18	5-23	0	74.7	83.5
USG 3209	67.0	50.8	31	4-17	5-23	0	78.8	79.0
DELTA KING 9216	66.8	51.0	37	4-19	5-24	0	77.1	
TERRAL TV8565	66.3	52.0	38	4-18	5-23	0		
ARMOR 3035	66.2	51.0	38	4-18	5-24	0	76.9	88.1
DELTA GROW 5300	66.2	51.3	36	4-18	5-23	0	74.6	
SOUTH. STATES SS 522	65.5	53.8	36	4-18	5-23	0	77.1	83.2
PROGENY 156	65.1	49.8	36	4-18	5-23	0	76.5	86.0
PIONEER BRAND 26R46	65.0	51.8	34	4-15	5-24	8	79.5	86.0
ARMOR X5212	64.8	54.3	35	4-18	5-23	0		
AR 910-9-2	64.3	47.3	37	4-15	5-24	0		
USG 3709	63.5	50.5	36	4-18	5-24	0	74.3	80.1
ARMOR 3235	63.2	47.8	38	4-17	5-24	0	73.7	80.8
DIXIE X9611	63.2	48.8	37	4-21	5-24	0		
SOUTH. STATES SS524	62.7	44.5	34	4-16	5-23	0		
DELTA KING 9121	62.3	51.5	32	4-19	5-25	0	67.5	78.7
LA 90185G3-1-3-4-2	61.9	47.3	34	4-18	5-25	19	76.8	
CROPLAN GENET. 517W	61.8	44.5	34	4-16	5-24	0		
DIXIE X9112	61.0	48.0	39	4-17	5-23	0		

Table 6. (continued).

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	Wint kill	2-Yr avg	3-Yr avg
	bu/A	lb/bu	in			%	----bu/A----	
FFR 521	61.0	45.8	32	4-16	5-23	0		
AR LA85411	60.0	53.3	35	4-18	5-23	0	72.5	80.3
NK COKER 9543	59.2	42.3	32	4-18	5-22	0	70.7	76.6
TERRAL LA422	59.0	50.3	34	4-16	5-23	1		
PIONEER BRAND 26R38	54.9	48.5	36	4-17	5-24	13	75.2	80.2
LA 90518PB43-3-1-4	53.9	52.3	33	4-17	5-23	0	68.7	
SOUTH. STATES SS 518	53.4	46.3	32	4-14	5-23	5	70.2	76.8
LA 9389C37-1	48.9	53.3	30	4-18	5-25	1		
LA 94242D4-4	45.6	50.0	35	4-18	5-26	30		
LA 94242D4-2	41.9	49.3	32	4-19	5-27	30		
Grand mean	70.6	51.7	36	4-18	5-24	1	77.6	83.8
LSD (5%)	10.2	2.8	2	1	1	4	13.4	10.1
C.V. (%)	10.4	3.9	4	2	1	199	7.9	9.6

Pt ht = Plant height

**SOUTHEAST BRANCH STATION, ROHWER, AR**

SOIL SERIES....McGehee silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE....October 30, 2001  
 FERTILIZER.... 90 lb/A N on Feb. 18, 2002; 60 lb/A N on April 2, 2002  
 HERBICIDE....None  
 INSECTICIDE....None  
 HARVEST DATE....June 4, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2001-2002	10.4	10.3	12.0	6.0	2.4	9.5	1.2	10.4	62.2
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	+5.9	+4.7	+5.3	+2.6	-3.1	+4.3	-2.3	+5.7	+23.1

**Table 7. Performance of Wheat Cultivars in Standard Input Test, Rohwer.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
GENESIS R023	84.1	51.8	1	42	4-17	5-16
TERRAL TV8450	83.5	53.4	2	43	4-17	5-17
PAT	82.6	55.3	0	41	4-21	5-21
PIONEER BRAND 26R46	82.0	55.0	0	39	4-15	5-14
ARMOR 2025	81.6	51.6	2	42	4-18	5-16
DELTA GROW 4200	81.6	52.8	6	43	4-19	5-18
PROGENY 166	81.3	52.3	2	41	4-19	5-19
PROGENY 145	80.5	53.1	3	41	4-17	5-17
DIXIE X9412	80.1	51.6	2	42	4-19	5-18
HBK X3004	79.8	53.3	1	42	4-19	5-18
DIXIE X9512	79.8	54.2	7	42	4-17	5-18
DELTA GROW 5300	79.6	51.6	25	41	4-19	5-17
ARMOR 3035	79.6	51.5	1	41	4-19	5-19
AR 839-28-1-2	79.3	53.7	0	43	4-19	5-20
AGRIPRO NATCHEZ	79.2	49.7	6	41	4-19	5-19
CROPLAN GENET. 517W	78.7	50.2	2	38	4-15	5-16
DIXIE X9212	78.6	54.1	4	42	4-17	5-17
DELTA GROW 4888	78.1	53.1	1	42	4-19	5-18
FFR 521	77.8	50.0	1	37	4-15	5-16
AR 839-25-8-2	77.7	54.3	3	40	4-20	5-19
DIXIE 900	77.4	53.2	3	42	4-20	5-19
PROGENY 133	76.9	52.5	17	43	4-19	5-18
SOUTH. STATES SS 518	76.8	48.5	18	38	4-15	5-13
NK COKER 9152	76.6	52.7	31	42	4-16	5-15
PROGENY 103	75.9	51.3	3	40	4-18	5-17
SOUTH. STATES SS524	75.8	50.5	2	37	4-15	5-15
McCORMICK	75.1	53.0	20	36	4-19	5-19
DIXIE 922	75.0	52.9	2	42	4-19	5-18
SOUTH. STATES SS 535	74.9	53.8	25	38	4-18	5-17
PIONEER XW00B	74.7	53.6	1	38	4-18	5-18
SABBE	74.3	51.1	0	38	4-20	5-20
ARMOR X5222	74.2	54.1	14	42	4-18	5-18
DELTA KING 9333	73.9	51.7	1	42	4-21	5-19



Table 7. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
AGRIPRO SAVAGE	73.8	55.0	1	36	4-19	5-18
TERRAL TVX81466	73.8	48.6	6	39	4-19	5-18
NK COKER 9663	73.7	54.1	40	42	4-15	5-16
DELTA KING 9410	73.7	52.0	4	42	4-18	5-19
FFR 556	73.4	49.5	8	35	4-19	5-17
ARMOR 3235	73.1	51.8	4	41	4-19	5-19
AR LA85411	72.9	54.9	6	37	4-17	5-15
LA 90518PB43-3-1-4	72.9	53.8	6	38	4-15	5-14
AR 850-1-1	72.3	55.6	0	38	4-18	5-16
DIXIE X9611	72.1	48.7	21	42	4-21	5-19
DELTA KING 7900	72.1	51.4	1	42	4-19	5-18
USG 3650	71.6	47.8	6	38	4-20	5-19
AR 910-9-2	71.5	52.4	1	41	4-15	5-16
PIONEER 2552	71.5	52.1	2	39	4-20	5-19
UGA 90552AE33	71.2	53.5	4	41	4-15	5-15
AR 910-9-1	71.0	53.3	3	40	4-15	5-15
VA98W-593	70.9	52.1	35	36	4-18	5-19
DIXIE X9312	70.8	51.7	2	42	4-19	5-18
AGRIPRO SHELBY	70.8	52.2	8	41	4-15	5-14
USG 3709	70.3	50.4	2	40	4-19	5-18
ARMOR X5333	70.2	51.7	4	41	4-19	5-18
HBK 3030	70.1	52.8	1	37	4-19	5-19
UGA 92485E15	70.1	55.7	4	41	4-15	5-14
TERRAL TV8565	69.6	51.9	2	40	4-19	5-19
LA 90185G3-1-3-4-2	69.6	52.9	23	40	4-15	5-17
F 334W	69.3	52.0	0	40	4-21	5-22
AGS 2000	69.0	55.4	13	40	4-15	5-16
PROGENY 188	68.4	50.2	2	40	4-19	5-18
AGRIPRO D97-6075-1	68.3	54.8	35	38	4-20	5-19
DIXIE X9112	68.3	49.1	10	42	4-18	5-17
USG 3209	67.8	51.8	21	37	4-15	5-16
FFR 522	67.7	53.5	25	39	4-18	5-17
SOUTH. STATES SS 522	67.7	54.0	10	40	4-18	5-18
PROGENY 118	67.4	51.2	6	42	4-19	5-19
FFR 510	67.3	52.5	7	40	4-15	5-12
ARMOR 4045	67.2	50.2	13	43	4-19	5-19
NK COKER 9543	66.7	49.0	7	36	4-17	5-16
DELTA KING 7777	66.7	49.6	9	42	4-19	5-19
GENESIS R024	66.7	51.9	1	39	4-19	5-17
DELTA GROW 7100	66.6	49.6	4	37	4-20	5-19
DELTA KING 1551W	66.4	51.2	4	39	4-19	5-19
DELTA KING 9027	65.8	46.9	40	39	4-19	5-19
PIONEER BRAND 26R38	65.2	54.7	4	41	4-15	5-14
PROGENY 156	64.7	48.7	11	41	4-20	5-19
PIONEER BRAND 26R24	64.6	49.8	6	40	4-17	5-14
CROPLAN GENET. 554W	64.3	50.8	13	35	4-19	5-16
HBK X3006	63.2	47.9	24	38	4-19	5-19
SOUTH. STATES SS520	63.0	50.9	37	40	4-15	5-12
DELTA KING 9216	61.8	45.5	14	41	4-20	5-19
ARMOR X5212	61.6	52.4	9	39	4-20	5-19

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
AGRIPRO PATTON	61.3	47.6	4	40	4-19	5-20
ROANE	61.3	52.2	37	35	4-21	5-19
TERRAL TV 8555	59.7	48.7	1	35	4-20	5-19
LA 9389C37-1	59.2	54.8	1	36	4-16	5-19
TERRAL LA422	56.8	51.3	45	40	4-15	5-16
SISSON	51.1	50.4	40	37	4-19	5-18
LA 94242D4-4	50.6	49.8	1	39	4-15	5-17
DELTA KING 9121	47.8	46.0	16	37	4-20	5-19
LA 94242D4-2	45.1	49.3	9	38	4-16	5-18
Grand mean	71.0	51.8	10	40	4-18	5-17
LSD (5%)	11.8	2.6		2	1	1
C.V. (%)	12.0	3.6		4	2	1

Ldg = Lodging

Pt ht = Plant height

**SOUTHEAST BRANCH STATION, ROHWER, AK**

SOIL SERIES....McGehee silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE....October 30, 2001  
 FERTILIZER.... 90 lb/A N on Feb. 18, 2002; 60 lb/A N on April 2, 2002  
 HERBICIDE....None  
 FUNGICIDE....4 oz/A Tilt on April 15, 2002  
 INSECTICIDE....None  
 HARVEST DATE....June 4, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2001-2002	10.4	10.3	12.0	6.0	2.4	9.5	1.2	10.4	62.2
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	+5.9	+4.7	+5.3	+2.6	-3.1	+4.3	-2.3	+5.7	+23.1

**Table 8. Performance of Wheat Cultivars in High Input Performance Test, Rohwer.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Wint kill
	bu/A	lb/bu	%	in			%
DIXIE X9412	102.5	55.4	3	42	4-18	5-18	0
UGA 90552AE33	95.5	55.8	9	41	4-15	5-14	0
AR 850-1-1	93.4	56.3	0	37	4-17	5-15	0
HBK X3004	93.3	55.9	4	42	4-18	5-18	0
DIXIE X9512	92.7	55.6	25	42	4-16	5-18	0
FFR 556	92.6	51.9	7	35	4-18	5-18	0
SOUTH. STATES SS524	92.4	51.8	26	37	4-15	5-17	0
DIXIE X9212	91.9	54.8	4	42	4-17	5-17	0
ARMOR 3035	91.9	53.2	4	41	4-17	5-19	0
PIONEER XW00B	91.9	54.9	1	38	4-19	5-19	0
PROGENY 166	91.8	56.3	2	42	4-18	5-18	0
DIXIE X9312	91.7	55.1	10	41	4-19	5-18	0
PIONEER BRAND 26R46	91.5	56.1	0	38	4-15	5-14	0
AGRIPRO SAVAGE	91.3	56.9	12	37	4-19	5-19	0
ARMOR 2025	91.1	52.6	10	42	4-17	5-18	0
DELTA KING 7900	90.8	53.2	2	42	4-18	5-18	0
DELTA KING 7777	90.1	54.5	16	40	4-18	5-20	0
CROPLAN GENET. 554W	89.8	55.1	31	35	4-18	5-17	0
PROGENY 133	89.5	53.8	10	42	4-18	5-18	0
McCORMICK	89.1	54.3	17	36	4-17	5-18	0
PAT	88.9	55.7	0	42	4-21	5-22	0
DELTA KING 9216	88.5	53.9	30	40	4-19	5-19	0
PIONEER 2552	88.1	56.0	1	39	4-19	5-20	0
DIXIE 900	87.8	55.7	3	41	4-19	5-19	0
PROGENY 188	87.6	52.3	2	39	4-19	5-18	0
AGRIPRO D97-6075-1	87.5	56.0	3	36	4-19	5-19	0
USG 3650	87.3	52.0	2	40	4-19	5-19	0
AGS 2000	87.3	56.5	14	39	4-15	5-16	0
AGRIPRO SHELBY	87.2	56.9	43	41	4-15	5-16	0
DELTA KING 9410	87.1	55.5	6	42	4-18	5-17	0
HBK 3030	87.0	55.5	6	37	4-18	5-19	0
AR 839-25-8-2	86.5	55.2	35	38	4-19	5-20	0

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Wint kill
	bu/A	lb/bu	%	in			%
DELTA GROW 4200	86.5	56.1	1	42	4-18	5-18	0
SABBE	86.3	53.7	0	37	4-19	5-20	0
PIONEER BRAND 26R24	86.2	51.5	80	39	4-17	5-16	0
PIONEER BRAND 26R38	85.9	55.7	8	41	4-15	5-15	0
TERRAL TV8450	85.6	54.2	21	41	4-18	5-17	0
DELTA GROW 5300	84.7	53.5	33	40	4-18	5-16	0
ARMOR X5333	84.4	54.7	20	42	4-18	5-19	0
AR 910-9-1	84.4	55.8	5	39	4-15	5-15	0
UGA 92485E15	84.3	56.2	48	41	4-15	5-14	0
DELTA GROW 4888	84.2	54.8	16	41	4-18	5-19	0
PROGENY 145	84.2	55.3	2	42	4-17	5-17	0
LA 90185G3-1-3-4-2	83.6	54.3	43	41	4-15	5-18	0
FFR 522	83.6	54.7	41	39	4-17	5-19	0
TERRAL TVX81466	83.5	53.7	1	38	4-19	5-18	0
AR 839-28-1-2	83.2	55.9	8	40	4-19	5-21	0
FFR 521	83.0	50.9	15	39	4-15	5-17	0
GENESIS R023	83.0	52.8	11	42	4-17	5-17	0
TERRAL TV8565	82.9	55.0	6	42	4-19	5-19	0
DELTA KING 9333	82.8	53.9	3	42	4-19	5-20	0
ARMOR X5222	82.5	54.5	13	42	4-18	5-19	0
DELTA KING 1551W	82.3	53.9	9	40	4-19	5-19	0
DIXIE 922	82.2	50.9	23	42	4-18	5-18	0
VA98W-593	82.1	56.8	6	36	4-18	5-19	0
NK COKER 9663	81.9	57.1	58	42	4-15	5-17	0
DIXIE X9611	81.6	52.3	3	41	4-21	5-19	0
AGRIPRO NATCHEZ	81.6	52.1	48	40	4-18	5-19	0
HBK X3006	81.2	53.0	3	38	4-19	5-19	0
AGRIPRO PATTON	81.2	53.1	35	41	4-18	5-19	0
PROGENY 156	80.7	53.0	24	39	4-19	5-19	0
PROGENY 118	80.7	52.3	55	42	4-18	5-19	0
AR LA85411	80.6	54.7	21	38	4-17	5-15	0
ROANE	80.4	56.5	25	35	4-20	5-20	0
ARMOR 4045	80.2	54.4	22	41	4-18	5-18	0
SOUTH. STATES SS 535	79.9	57.2	2	37	4-18	5-18	0
PROGENY 103	79.7	54.1	63	40	4-18	5-16	0
ARMOR 3235	78.5	53.4	1	39	4-18	5-18	0
ARMOR X5212	78.3	55.7	33	40	4-19	5-19	0
GENESIS R024	77.5	52.7	5	38	4-19	5-18	0
CROPLAN GENET. 517W	77.1	51.8	3	37	4-15	5-18	0
AR 910-9-2	76.9	50.9	43	40	4-15	5-17	0
TERRAL TV 8555	76.6	52.5	11	36	4-19	5-19	0
SISSON	76.0	53.9	30	36	4-18	5-17	0
USG 3209	75.9	53.2	10	36	4-16	5-17	0
DELTA GROW 7100	75.8	50.1	4	38	4-20	5-19	0
FFR 510	75.3	54.6	41	41	4-16	5-12	0
SOUTH. STATES SS 522	75.1	53.0	20	39	4-18	5-19	0
NK COKER 9543	74.9	52.8	1	36	4-17	5-19	0
SOUTH. STATES SS520	73.7	53.4	38	40	4-17	5-13	0
DELTA KING 9027	73.7	50.3	23	38	4-20	5-20	0
DIXIE X9112	72.7	53.7	15	43	4-17	5-18	0
NK COKER 9152	71.5	55.2	43	42	4-16	5-15	0

Table 6. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Wint kill
	bu/A	lb/bu	%	in			%
USG 3709	70.6	50.3	3	41	4-18	5-20	0
LA 9389C37-1	70.6	55.3	0	36	4-16	5-21	0
F 334W	69.5	52.3	1	41	4-21	5-21	0
LA 90518PB43-3-1-4	69.1	52.7	48	38	4-16	5-15	5
SOUTH. STATES SS 518	68.8	50.6	20	38	4-14	5-13	0
TERRAL LA422	68.3	54.2	60	39	4-15	5-16	0
DELTA KING 9121	65.8	48.7	45	36	4-19	5-20	0
LA 94242D4-4	61.4	52.9	2	38	4-15	5-18	0
LA 94242D4-2	59.0	53.3	4	40	4-15	5-19	0
Grand mean	82.7	54.0	18	40	4-18	5-18	0
LSD (5%)	11.6	2.9		2	1	1	
C.V. (%)	10.1	3.9		4	2	1	

Ldg = Lodging

Pt ht = Plant height

KICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES...Crowley silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE...October 18, 2001  
 FERTILIZER...60 lb/A N on Feb. 14, 2002; 40 lb/A N on March 6, 2002; 150 lb/A 0-46-0 on October 25, 2001  
 HERBICIDE....2 oz/A Sencor on November 16, 2001  
 INSECTICIDE....None  
 HARVEST DATE....June 11, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	8.5	7.6	6.9	2.5	2.4	12.4	1.0	10.5	51.8
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	+5.8	+3.2	+2.3	-1.5	-1.6	+7.3	-4.2	+5.8	17.1

Table 9. Performance of Wheat Cultivars in Standard Performance Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			%	----bu/A----	
PROGENY 166	93.4	56.8	0	45	4-18	5-15	0		
GENESIS R023	92.6	55.8	0	44	4-15	5-15	0		
ARMOR X5222	92.0	56.8	1	42	4-18	5-16	0		
HBK X3004	91.9	56.0	0	42	4-17	5-16	0		
AGRIPRO D97-6075-1	91.7	59.0	3	39	4-19	5-16	0		
DELTA GROW 4200	91.6	56.5	0	44	4-17	5-15	0		
AGRIPRO SAVAGE	91.4	59.3	0	37	4-19	5-16	0		
PIONEER XW00B	90.7	55.0	0	37	4-15	5-13	0		
DELTA KING 9410	89.8	55.5	0	43	4-17	5-15	0		
PROGENY 145	89.4	55.3	1	43	4-16	5-14	0		
ARMOR 2025	87.9	55.3	0	44	4-15	5-15	0	84.6	87.9
HBK 3030	87.9	55.0	0	39	4-17	5-18	0	80.0	
DELTA KING 7900	87.7	54.5	0	44	4-18	5-16	0	83.1	
DIXIE 900	87.6	56.3	0	43	4-18	5-16	0	85.2	86.4
TERRAL TV8565	87.6	56.0	0	44	4-18	5-16	0		
AGRIPRO SHELBY	87.4	56.5	4	40	4-15	5-12	1	87.3	83.7
PIONEER 2552	86.9	57.3	0	41	4-18	5-17	0		
TERRAL TV8450	86.7	54.8	0	42	4-16	5-15	1		
AGRIPRO NATCHEZ	86.6	53.3	6	43	4-17	5-15	0	85.8	82.2
PAT	86.5	56.5	0	43	4-16	5-19	0	84.0	81.3
DELTA KING 9333	85.8	54.3	0	44	4-18	5-16	0	81.6	
DIXIE X9512	85.8	55.8	1	44	4-15	5-15	0		
DELTA GROW 4888	85.6	55.3	0	43	4-17	5-16	0	84.0	78.5
AR 910-9-1	85.3	54.0	1	43	4-13	5-12	0		
AR 910-9-2	85.1	54.0	0	40	4-13	5-13	0		
DIXIE 922	84.6	54.5	1	43	4-18	5-17	0	82.2	83.8
TERRAL TVX81466	84.6	53.5	0	41	4-18	5-15	0		
DELTA GROW 7100	84.6	53.8	0	39	4-18	5-14	1		
DELTA KING 9216	84.5	53.5	0	42	4-19	5-18	1	85.0	
HBK X3006	84.4	54.5	0	42	4-18	5-14	0		
ARMOR 3035	84.4	55.0	0	42	4-18	5-15	0	83.5	84.6
DIXIE X9412	84.4	54.0	1	42	4-17	5-16	0		
ARMOR X5333	84.3	54.0	1	43	4-17	5-16	0		

Table 9. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			%	----bu/A----	
DIXIE X9312	84.1	54.0	0	43	4-18	5-17	0		
NK COKER 9152	83.9	54.5	11	43	4-15	5-13	0	73.1	
DELTA KING 7777	83.9	55.3	1	44	4-18	5-18	0	82.9	
AGS 2000	83.6	55.0	4	40	4-14	5-15	0	83.7	83.8
AR 839-28-1-2	83.6	56.5	0	42	4-18	5-15	0	82.4	
ARMOR 4045	83.5	54.0	0	45	4-18	5-17	0	79.7	82.5
AR 839-25-8-2	83.4	56.0	0	42	4-18	5-17	0	84.3	
PROGENY 103	83.1	52.8	8	41	4-16	5-12	0	78.2	78.4
USG 3650	82.6	54.0	0	37	4-18	5-16	0		
PROGENY 133	82.4	54.3	1	43	4-18	5-17	0		
AR LA85411	82.1	56.5	8	37	4-15	5-13	0	77.5	80.7
DELTA KING 1551W	82.0	54.3	4	39	4-18	5-15	0	81.5	81.2
DELTA GROW 5300	81.5	53.8	11	41	4-16	5-13	0	74.3	
AR 850-1-1	81.5	56.5	0	37	4-17	5-17	19		
SABBE	81.3	55.3	0	40	4-18	5-19	0	81.6	73.5
CROPLAN GENET. 517W	80.5	49.8	0	38	4-14	5-13	0		
DIXIE X9212	80.4	55.3	0	43	4-15	5-14	0		
McCORMICK	79.8	56.3	10	34	4-16	5-16	0		
SOUTH. STATES SS 535	79.7	56.3	1	38	4-17	5-14	1	79.1	76.8
SOUTH. STATES SS524	79.5	50.5	3	37	4-13	5-13	8		
FFR 521	79.3	50.8	0	37	4-13	5-13	0		
TERRAL TV 8555	78.9	54.8	0	39	4-18	5-14	0	81.7	83.1
CROPLAN GENET. 554W	78.8	54.0	1	38	4-18	5-13	0	80.4	
PIONEER BRAND 26R24	78.2	51.8	11	42	4-16	5-13	0	84.2	82.1
PROGENY 118	77.8	54.5	3	43	4-16	5-16	0		
FFR 556	77.7	54.0	4	37	4-17	5-14	0		
PROGENY 188	77.4	53.3	0	40	4-17	5-16	0		
PIONEER BRAND 26R46	77.1	53.3	0	40	4-14	5-13	0	83.8	77.4
GENESIS R024	76.9	53.5	0	40	4-17	5-15	0		
DIXIE X9611	76.1	54.0	3	42	4-21	5-17	0		
F 334W	75.8	58.0	0	42	4-22	5-23	0	72.3	
ARMOR 3235	75.8	51.3	1	43	4-17	5-16	0	77.7	77.6
FFR 522	75.6	56.3	1	42	4-16	5-14	0	76.5	
USG 3209	75.4	53.0	5	35	4-15	5-14	2	75.6	83.5
VA98W-593	74.6	56.3	13	36	4-16	5-16	2	80.1	
SOUTH. STATES SS 522	73.9	55.8	1	40	4-15	5-15	0	75.4	74.0
UGA 90552AE33	73.6	55.5	1	40	4-14	5-13	1		
DELTA KING 9027	72.6	52.5	9	40	4-19	5-18	0	71.3	74.5
NK COKER 9663	72.3	56.0	16	42	4-13	5-14	0	73.4	75.6
ROANE	72.3	57.0	0	36	4-20	5-19	0	72.1	74.2
UGA 92485E15	72.1	55.3	1	40	4-14	5-13	0		
USG 3709	72.0	51.5	0	40	4-17	5-16	8	73.7	72.3
DIXIE X9112	71.0	52.8	3	44	4-18	5-15	0		
LA 90518PB43-3-1-4	70.8	53.0	5	36	4-15	5-12	0	75.4	
ARMOR X5212	70.8	56.0	0	40	4-18	5-16	0		
TERRAL LA422	70.3	53.7	10	40	4-15	5-15	1		
AGRIPRO PATTON	70.1	53.3	0	42	4-17	5-18	0	67.1	67.6
DELTA KING 9121	69.3	55.3	0	36	4-18	5-15	0	66.4	65.4
PROGENY 156	67.6	52.8	1	40	4-19	5-18	1	76.0	75.2
LA 90185G3-1-3-4-2	66.9	52.7	4	37	4-15	5-17	6	77.6	
SISSON	66.4	54.3	5	38	4-16	5-14	0		

Table 9. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			%	----bu/A----	
SOUTH. STATES SS520	64.5	52.5	3	41	4-13	5-11	8		
NK COKER 9543	63.8	49.8	1	38	4-17	5-15	0	70.6	71.5
FFR 510	63.6	52.0	3	39	4-13	5-12	2	72.8	70.4
PIONEER BRAND 26R38	63.2	52.3	1	41	4-15	5-12	21	74.3	74.2
SOUTH. STATES SS 518	61.0	47.0	14	37	4-13	5-13	2	70.9	76.6
LA 9389C37-1	59.4	54.3	0	36	4-17	5-19	8		
LA 94242D4-4	43.8	52.3	0	41	4-15	5-16	8		
LA 94242D4-2	42.0	51.5	0	36	4-15	5-19	0		
Grand mean	79.1	54.4	2	41	4-17	5-15	1	78.6	78.1
LSD (5%)	8.8	1.5	6	3	2	2	6	13.8	11.7
C.V. (%)	8.0	1.9	196	5	3	2	414	7.4	10.3

Ldg = Lodging

Pt ht = Plant height

Strp

rust = Stripe rust



**RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES...Crowley silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE...October 18, 2001  
 FERTILIZER...90 lb/A N on Feb. 14, 2002; 60 lb/A N on March 6, 2002; 150 lb/A 0-46-0 on October 25, 2001  
 HERBICIDE....2 oz/A Sencor on November 16, 2001  
 FUNGICIDE...4 oz/A Tilt on April 11, 2002  
 INSECTICIDE...None  
 HARVEST DATE...June 11, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	8.5	7.6	6.9	2.5	2.4	12.4	1.0	10.5	51.8
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	+5.8	+3.2	+2.3	-1.5	-1.6	+7.3	-4.2	+5.8	17.1

**Table 10. Performance of Wheat Cultivars in High Input Performance Test, Stuttgart.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			----bu/A----	
GENESIS R023	95.1	57.3	1	44	4-15	5-12		
AR 839-28-1-2	94.8	57.5	1	43	4-17	5-19	89.2	
CROPLAN GENET. 554W	94.7	55.3	3	37	4-17	5-15	88.3	
SABBE	93.3	57.0	1	40	4-17	5-19	84.5	84.9
PROGENY 133	92.3	55.5	3	42	4-18	5-17		
PIONEER XW00B	91.9	55.5	0	39	4-16	5-15		
DELTA KING 7900	91.7	55.8	3	44	4-17	5-17	85.0	
DIXIE X9212	91.3	56.3	2	42	4-16	5-15		
DELTA KING 7777	90.1	56.5	6	40	4-18	5-19	86.7	
ARMOR X5222	89.5	56.0	1	41	4-17	5-16		
DIXIE X9312	89.5	55.3	2	43	4-18	5-17		
AGRIPRO D97-6075-1	89.4	58.3	21	40	4-19	5-19		
AR 910-9-1	89.0	55.5	7	42	4-13	5-14		
DELTA KING 9333	88.4	54.5	2	46	4-18	5-17	81.9	
PROGENY 145	88.4	56.5	1	43	4-16	5-15		
FFR 556	87.7	55.5	7	38	4-17	5-14		
TERRAL TV8565	87.4	56.3	2	44	4-18	5-18		
PIONEER 2552	87.2	56.5	1	40	4-19	5-18		
ARMOR 2025	87.1	55.8	1	43	4-17	5-15	83.4	84.7
DELTA GROW 4200	87.1	55.8	3	43	4-18	5-17		
DELTA GROW 4888	86.9	55.0	1	42	4-18	5-17	83.6	81.6
SOUTH. STATES SS524	86.5	50.5	18	37	4-13	5-14		
PAT	86.3	57.3	0	41	4-20	5-21	84.6	81.7
PROGENY 103	86.1	55.5	30	40	4-15	5-13	78.4	80.5
PROGENY 166	86.0	56.3	3	43	4-18	5-17		
AGRIPRO SHELBY	86.0	57.3	53	39	4-14	5-13	88.1	82.2
AGRIPRO NATCHEZ	86.0	52.0	45	41	4-16	5-17	84.5	84.9
AR 850-1-1	85.9	57.8	1	35	4-17	5-17		
DELTA KING 9410	85.8	55.5	4	42	4-16	5-16		
HBK X3004	85.7	56.8	0	43	4-17	5-16		
DIXIE 900	85.5	55.5	2	44	4-17	5-18	82.1	85.4
AGRIPRO SAVAGE	85.4	58.0	20	42	4-20	5-19		

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			----bu/A----	
AGS 2000	85.3	55.3	43	40	4-13	5-14	86.8	86.5
AR 839-25-8-2	85.2	56.5	0	41	4-17	5-18	83.3	
HBK X3006	84.9	54.0	2	40	4-18	5-16		
GENESIS R024	84.8	54.5	3	42	4-17	5-16		
ARMOR 3035	84.6	55.8	2	43	4-18	5-17	82.2	83.3
DIXIE 922	84.6	55.0	1	43	4-17	5-16	82.9	83.4
DELTA KING 9216	84.3	52.8	3	41	4-19	5-20	83.2	
ARMOR 4045	84.3	54.5	3	42	4-16	5-17	82.8	85.4
DIXIE X9412	84.1	54.8	2	43	4-17	5-16		
HBK 3030	83.7	55.3	0	38	4-18	5-19	80.9	
DELTA KING 1551W	83.7	55.3	10	40	4-17	5-15	81.8	80.1
ROANE	83.6	58.0	4	37	4-20	5-21	79.9	80.2
PROGENY 156	83.1	53.3	4	41	4-19	5-19	82.4	78.9
F 334W	82.8	57.0	0	42	4-22	5-23	79.1	
TERRAL TV8450	82.6	57.0	1	43	4-17	5-17		
PROGENY 188	82.3	54.3	1	39	4-19	5-17		
TERRAL TV 8555	82.2	55.7	0	36	4-18	5-16	83.9	84.9
UGA 92485E15	82.0	57.0	15	39	4-15	5-14		
VA98W-593	81.9	55.8	20	37	4-16	5-19	84.1	
UGA 90552AE33	81.2	57.3	9	40	4-15	5-13		
SOUTH. STATES SS 535	80.8	57.5	34	37	4-17	5-15	79.5	78.1
AR LA85411	80.8	57.8	11	37	4-15	5-14	76.3	76.3
DIXIE X9512	80.7	56.0	1	44	4-16	5-16		
FFR 521	80.5	50.3	12	37	4-14	5-14		
TERRAL TVX81466	80.2	53.3	2	41	4-18	5-16		
PIONEER BRAND 26R24	79.9	51.8	38	41	4-15	5-14	86.4	85.4
LA 90185G3-1-3-4-2	79.7	53.5	35	36	4-15	5-18	83.8	
USG 3650	79.6	53.5	2	39	4-17	5-17		
DELTA GROW 5300	79.1	53.8	25	42	4-15	5-13	76.5	
ARMOR X5333	78.7	55.5	2	42	4-17	5-16		
DIXIE X9112	78.7	53.8	14	40	4-15	5-16		
DELTA GROW 7100	78.1	54.3	2	39	4-18	5-18		
McCORMICK	77.9	55.8	60	33	4-17	5-17		
PIONEER BRAND 26R38	77.3	55.5	20	39	4-16	5-13	82.6	81.8
SOUTH. STATES SS520	77.1	53.5	4	40	4-14	5-12		
FFR 510	76.9	54.5	12	40	4-13	5-12	80.7	79.6
CROPLAN GENET. 517W	76.7	49.3	9	37	4-13	5-15		
NK COKER 9663	76.7	57.5	16	43	4-13	5-15	78.6	78.6
AGRIPRO PATTON	75.3	54.0	1	41	4-16	5-18	69.3	72.5
ARMOR 3235	75.1	52.8	15	40	4-17	5-17	73.9	75.7
FFR 522	74.7	55.8	5	39	4-16	5-16	78.5	
USG 3709	74.4	53.3	1	41	4-17	5-17	76.7	79.1
PROGENY 118	74.4	56.5	13	41	4-16	5-16		
NK COKER 9152	74.2	53.7	35	40	4-15	5-14	71.0	
PIONEER BRAND 26R46	74.1	54.0	14	39	4-14	5-16	78.5	78.0
TERRAL LA422	73.9	54.0	31	37	4-15	5-15		
SOUTH. STATES SS 522	73.8	56.8	4	41	4-16	5-16	79.2	76.7
AR 910-9-2	73.7	53.8	2	40	4-13	5-14		
NK COKER 9543	73.2	52.3	4	37	4-16	5-16	76.3	74.9
SISSON	72.8	55.7	26	38	4-15	5-14		
DELTA KING 9121	72.6	55.5	3	40	4-19	5-23	66.6	69.5

Table 10. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			----bu/A----	
USG 3209	72.0	54.3	3	37	4-15	5-16	75.4	78.7
ARMOR X5212	71.8	57.5	21	38	4-18	5-15		
DELTA KING 9027	71.1	51.0	23	40	4-19	5-20	74.2	74.6
LA 90518PB43-3-1-4	70.1	52.5	13	37	4-15	5-13	73.4	
SOUTH. STATES SS 518	67.1	49.7	46	35	4-13	5-12	75.2	79.9
LA 9389C37-1	66.8	52.7	0	36	4-16	5-20		
DIXIE X9611	66.6	51.3	25	40	4-19	5-20		
LA 94242D4-4	50.8	53.3	1	37	4-16	5-16		
LA 94242D4-2	45.7	52.8	1	38	4-16	5-20		
Grand mean	81.2	55.0	10	40	4-17	5-16	80.6	80.2
LSD (5%)	7.9	2.0	18	3	1	2	11.7	9.5
C.V. (%)	7.0	2.6	124	5	2	2	5.7	8.1

Ldg = Lodging

Pt ht = Plant height

**SOUTHWEST RESEARCH & EXTENSION CENTER, HOPE (Lewisville\*), AR**

SOIL SERIES....Bowie silt loam  
 PREVIOUS CROP....Corn  
 PLANTING DATE....October 29, 2001  
 FERTILIZER....39 lb N/A + 46 lb P<sub>2</sub>O<sub>5</sub> /A + 60 lb K/A + 24 lb S/A on January 22,  
 2002; 34 lb N/A on Feb. 28, 2002; 40 lb N/A on March 28, 2002  
 HERBICIDE....None  
 INSECTICIDE....None  
 HARVEST DATE....June 3, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2001-2002	8.8	5.7	9.0	2.9	1.8	11.0	3.8	9.1	52.1
Normal	3.3	4.4	4.1	3.8	3.8	4.6	5.6	5.4	35.0
Departure	+5.5	+1.3	+4.9	-0.9	-2.0	+6.4	-1.8	+3.7	+17.1

**Table 11. Performance of Wheat Cultivars in Standard Performance Test, Lewisville.**

Entry Name	Yield	Test wt	Ldg <sup>a</sup>	Pt ht	Strp rust	Pwd2-Yr mild	3-Yr avg
	bu/A	lb/bu	%	in	%	%	----bu/A----
GENESIS R023	75.9	50.5	23	44	5	0	
DELTA KING 7900	74.1	49.0	18	45	1	0	68.8
AR 839-25-8-2	72.5	50.3	0	40	0	0	62.2
DELTA KING 1551W	72.4	49.0	21	38	1	0	68.7 68.3
ARMOR 2025	72.3	50.5	11	43	7	2	69.8 65.4
DELTA GROW 4200	72.3	49.5	29	45	2	1	
DIXIE 900	71.6	49.5	10	44	1	4	66.2 65.5
DIXIE X9512	71.1	50.8	28	45	4	1	
HBK X3004	70.9	49.3	28	45	1	1	
F 334W	70.5	52.8	0	42	0	0	66.4
ARMOR X5222	70.0	49.5	20	46	1	1	
DELTA KING 9410	70.0	50.3	25	42	2	0	
ARMOR X5333	68.0	46.8	30	44	6	0	
PROGENY 188	67.4	46.8	14	38	0	0	
PROGENY 166	67.0	49.8	23	44	1	0	
DELTA KING 9333	67.0	47.8	28	44	1	0	62.7
AR 839-28-1-2	67.0	50.5	3	42	0	0	63.2
AGRIPRO NATCHEZ	66.1	45.5	60	42	1	0	62.4 67.3
DIXIE X9212	66.0	48.3	26	42	2	0	
PROGENY 145	65.8	48.5	33	45	3	2	
DIXIE X9312	65.8	46.8	29	44	2	1	
USG 3650	65.1	47.8	6	40	0	0	
PAT	65.0	50.5	4	41	0	0	59.7 61.6
TERRAL TV8565	65.0	48.0	16	44	2	0	
DIXIE X9412	64.9	48.3	15	42	1	0	
PIONEER XW00B	64.8	45.3	18	39	3	0	
TERRAL TV8450	64.5	48.8	35	43	10	0	
HBK X3006	64.4	45.8	4	37	2	0	
TERRAL TVX81466	64.0	47.3	8	40	1	0	
McCORMICK	63.6	50.0	59	37	0	0	
DELTA GROW 7100	63.2	47.0	8	40	0	0	
NK COKER 9152	63.2	49.5	50	44	9	0	61.4

Entry Name	Yield	Test wt	Ldg	Pt ht	Strp rust	Pwd mild	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in	%	%	----bu/A----	
ARMOR 3035	62.9	46.5	31	45	2	0	62.4	62.6
PROGENY 133	61.9	47.5	43	44	5	0		
PROGENY 118	61.4	49.3	48	45	2	0		
DIXIE 922	61.1	47.0	40	45	5	0	58.8	60.3
DELTA KING 9216	60.6	41.3	63	42	5	0	57.4	
AR 850-1-1	59.7	48.8	4	37	65	0		
DELTA GROW 4888	59.5	45.5	24	44	2	0	60.6	60.3
AGRIPRO D97-6075-1	58.5	48.5	56	36	1	0		
FFR 521	57.6	42.5	9	36	26	0		
PIONEER BRAND 26R46	57.3	47.3	0	38	10	0	57.8	60.0
AGS 2000	56.8	46.3	8	39	26	0	60.9	70.1
AR 910-9-1	56.7	44.5	19	39	0	0		
GENESIS R024	56.5	45.8	21	40	3	0		
PIONEER 2552	56.4	48.0	4	38	0	0		
SOUTH. STATES SS524	56.2	43.3	6	36	31	0		
TERRAL TV 8555	55.9	47.5	1	35	3	0	63.2	64.8
PIONEER BRAND 26R24	54.8	45.8	15	42	17	0	59.4	66.2
AGRIPRO SAVAGE	54.7	50.0	69	39	2	0		
AR 910-9-2	54.3	43.0	8	40	0	0		
ARMOR 4045	54.2	44.8	43	45	6	9	59.5	58.9
CROPLAN GENET. 517W	54.2	42.3	19	36	54	0		
ARMOR 3235	54.1	44.0	50	41	3	0	58.5	60.2
USG 3209	54.0	47.0	45	35	19	0	57.3	67.9
DIXIE X9611	53.1	46.0	20	40	14	0		
NK COKER 9543	52.6	42.3	24	35	2	0	57.7	56.9
PROGENY 103	52.6	44.3	85	43	0	0	59.5	64.0
USG 3709	52.3	44.5	34	42	36	0	60.0	58.2
SABBE	52.2	45.5	20	42	3	0	57.3	59.8
AR LA85411	52.1	44.0	36	38	0	0	55.9	63.8
DELTA KING 7777	51.7	46.8	55	44	0	1	53.8	
PIONEER BRAND 26R38	51.3	43.3	43	43	55	0	55.8	63.9
NK COKER 9663	51.1	47.3	50	42	33	0	54.1	60.3
HBK 3030	50.7	45.5	21	36	14	0	53.9	
PROGENY 156	50.3	43.5	39	40	2	0	56.2	62.5
LA 90518PB43-3-1-4	49.5	40.8	48	39	0	0	57.7	
DIXIE X9112	49.2	44.0	34	43	5	4		
VA98W-593	48.9	46.5	80	37	9	0	54.3	
DELTA KING 9027	48.3	41.5	70	39	1	0	55.0	60.3
AGRIPRO SHELBY	47.8	47.5	81	40	50	1	51.2	58.5
AGRIPRO PATTON	47.6	44.3	14	39	40	0	53.4	58.3
DELTA GROW 5300	47.0	43.5	78	43	0	0	52.0	
SOUTH. STATES SS 535	46.3	46.5	33	37	26	0	52.6	58.6
FFR 522	45.8	43.8	56	39	16	0	53.7	
LA 9389C37-1	45.6	44.8	0	36	40	0		
SOUTH. STATES SS 522	45.2	45.3	26	39	17	0	55.1	57.1
UGA 90552AE33	45.1	41.8	28	40	51	0		
DELTA KING 9121	44.2	45.5	36	39	11	0	49.2	52.8
UGA 92485E15	43.3	42.3	49	40	68	0		
ROANE	42.5	46.3	68	37	7	0	52.5	64.3
FFR 556	41.1	45.5	90	36	33	0		
LA 90185G3-1-3-4-2	40.6	39.8	43	40	94	0	54.5	

Entry Name	Yield	Test wt	Ldg	Pt ht	Strp rust	Pwd mild	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in	%	%	----bu/A----	
TERRAL LA422	40.5	42.8	69	39	64	0		
CROPLAN GENET. 554W	39.5	45.3	90	38	29	0	49.1	
SOUTH. STATES SS 518	39.4	39.3	44	36	54	0	53.6	57.4
ARMOR X5212	34.7	46.3	24	40	33	0		
SOUTH. STATES SS520	34.5	43.0	60	39	74	0		
LA 94242D4-2	33.7	43.3	16	38	23	0		
LA 94242D4-4	33.6	39.3	29	40	36	0		
SISSON	29.7	44.3	90	37	94	0		
FFR 510	28.1	39.8	91	39	91	0	58.2	45.8
Grand mean	56.0	46.1	34	40	16	0	57.9	61.7
LSD (5%)	9.6	3.2	31	3	15	3	16.4	14.3
C.V. (%)	12.4	5.0	66	5	67	632	12.5	12.2

Ldg = Lodging      Pt ht = Plant height      Strp rust = Stripe rust  
 Pwd mild = Powdery mildew

\* Appreciation to Mr. Shane Kitchens for allowing this test to be conducted on his farm.

<sup>a</sup> Much of the reporting lodging was 'brackling', a form of lodging where the stem breaks at the top node.

**COTTON BRANCH STATION, MARIANNA, AK**

SOIL SERIES...Loring silt loam

PREVIOUS CROP...Fallow

PLANTING DATE...October 17, 2001

FERTILIZER... 60 lb/A N on Feb. 13, 2002; 40 lb/A N on March 5, 2002; 150 lb/A 0-0-60 on Feb. 12, 2002; 150 lb/A 0-46-0 on Feb. 14, 2002; and 18 lb S/A on March 5, 2002

HERBICIDE...None

INSECTICIDE...None

HARVEST DATE...June 4, 2002

PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2001-2002	6.2	7.7	10.2	2.8	2.3	11.4	0.8	4.5	45.9
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+3.2	+3.3	+5.4	-1.6	-1.8	+6.0	-4.7	-0.7	+9.1

**Table 12. Performance of Oat Cultivars, Marianna.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	%	in			bu/A
LA 9213E105-4	108.7	33.2	3	37	4-20	5-23	
LA9339E45	95.0	33.4	7	41	4-21	5-23	93.9
HARRISON	92.9	34.3	29	41	4-18	5-20	93.4
SECRETARIAT LA495	89.0	31.6	8	38	4-21	5-23	81.2
LA 90104C22-7-4-1	85.8	31.6	0	34	4-19	5-25	
LA 9533D6301	80.3	32.3	29	39	4-18	5-22	
ARO289-9	79.7	32.7	8	44	4-17	5-23	
CHAPMAN	78.4	28.5	1	32	4-17	5-21	70.2
FL X474-1-B2-8-W1	78.0	33.5	40	37	4-16	5-17	82.1
LA 9533D36-6	74.5	32.5	6	41	4-22	5-23	
LA604	72.6	32.2	2	37	4-23	5-23	68.0
HORIZON 314	65.2	31.4	10	40	4-21	5-24	77.1
Grand mean	83.3	32.3	12	38	4-19	5-22	80.8
LSD (5%)	14.1	1.9	13	2	2	3	24.8
C.V. (%)	11.8	4.2	78	4	3	2	16.0

Ldg = Lodging

Pt ht = Plant height

**RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES...Crowley silt loam  
 PREVIOUS CROP...Fallow  
 PLANTING DATE...October 18, 2001  
 FERTILIZER...60 lb/A N on Feb. 14, 2002; 40 lb/A N on March 6, 2002; 150 lb/A 0-46-0 on October 25, 2001  
 HERBICIDE....2 oz/A Sencor on November 16, 2001  
 INSECTICIDE....None  
 HARVEST DATE....June 11, 2002  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	Inches								
2001-2002	8.5	7.6	6.9	2.5	2.4	12.4	1.0	10.5	51.8
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	+5.8	+3.2	+2.3	-1.5	-1.6	+7.3	-4.2	+5.8	17.1

**Table 13. Performance of Oat Cultivars, Stuttgart.**

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			-----bu/A-----	
ARO289-9	113.1	32.8	65	43	4-14	5-12		
SECRETARIAT LA495	107.2	29.8	79	36	4-16	5-11	110.2	108.1
HARRISON	106.6	33.3	79	38	4-15	5-12	117.4	117.0
LA 9533D36-6	100.8	33.1	44	39	4-20	5-17		
LA9339E45	99.2	33.6	69	39	4-19	5-12	101.1	100.8
LA604	96.2	31.8	76	39	4-18	5-14	99.4	100.4
LA 9213E105-4	95.2	34.0	71	38	4-17	5-12		
CHAPMAN	94.7	26.9	75	33	4-16	5-11	106.2	102.5
LA 9533D6301	92.6	29.5	81	39	4-18	5-13		
LA 90104C22-7-4-1	87.9	31.3	56	35	4-18	5-14		
HORIZON 314	86.9	28.4	78	40	4-19	5-18	109.8	115.9
FL X474-1-B2-8-W1	80.4	31.9	83	35	4-14	5-14	88.7	
Grand mean	96.7	31.4	71	38	4-17	5-13	104.7	107.5
LSD (5%)	18.4	1.5	13	4	1	3	25.4	18.1
C.V. (%)	13.3	3.3	13	8	2	3	12.5	12.7

Ldg = Lodging

Pt ht = Plant height



2001 - 2002 ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

Companies

Agripro Wheat  
P.O. Box 2365  
Jonesboro, AR 72402  
(870) 935-3941

AGRIPRO Natchez  
AGRIPRO Patton  
AGRIPRO Shelby

AGRIPRO Savage  
AGRIPRO D97-6075-1

AGSouth Genetics LLC  
6830 Lisa Lane  
Dunwoody, GA 30338  
(770) 350-0011

AGS 2000

Arkansas County Seed Co., Inc.  
P.O. Box 43  
Stuttgart, AR 72160  
(870) 673-2706

LA604 (oat)  
Harrison (oat)

Cache River Valley Seed  
12470 Hwy 226  
Cash, AR 72421  
(870) 477-5427

Dixie 900  
Dixie 922  
Dixie X9112  
Dixie X9212

Dixie X9312  
Dixie X9412  
Dixie X9512  
Dixie X9611

Land O'Lakes/Croplan Genetics  
P.O. Box 146  
Blytheville, AR 72315  
(870) 762-1557

Croplan Genetics 517W  
Croplan Genetics 554W

Cullum Seed, LLC  
P.O. Box 178  
Fisher, AR 72429  
(870) 328-7222

Armor 2025  
Armor 3035  
Armor 3235  
Armor 4045

Armor X5212  
Armor X5222  
Armor X5333

Delta Grow Seed  
220 NW 2<sup>nd</sup>  
England, AR 72046  
(501) 842-2572

Delta Grow 4200  
Delta Grow 4888  
Delta Grow 5300  
Delta Grow 7100

Delta King Seed Co.  
P.O. Box 970  
McCrary, AR 72101  
(870) 731-5484

Delta King 1551W  
Delta King 7777  
Delta King 7900  
Delta King 9027

Delta King 9121  
Delta King 9216  
Delta King 9333  
Delta King 9410

FFR Seed  
969 Cloverleaf Dr.  
Southaven, MS 38671  
(662) 349-9851

FFR 510  
FFR 521

FFR 522  
FFR 556

Genesis Brand Seed  
PO Box 21085  
Lansing, MI 48909  
(517) 887-1684

Genesis R023  
Genesis R024

P.O. Box 412, 210 Drier Rd  
DeWitt, AR 72042-0472  
(870) 946-2087

HBK X3004  
HBK X3006

Illinois Foundation Seeds  
Box 722  
Champaign, IL 61824-0722  
(217) 485-6260

F 334W

Pioneer , A DuPont Co.  
6767 Old Madison Pike # 110  
Huntsville, AL 35806  
(256) 971-0760

Pioneer Brand 2552  
Pioneer Brand 26R24  
Pioneer Brand 26R38

Pioneer Brand 26R46  
Pioneer Brand XW00B

Plantation Seed Conditioners, Inc.  
Rt. 1, Box 695  
Newton, GA 31770-9716  
(229) 734-5466

Horizon 314 (oat)  
Horizon 474 (oat)

Progeny Ag Products  
1529 Hwy 193  
Wynne, AR 72396  
(870) 238-2079

Progeny 103  
Progeny 118  
Progeny 133  
Progeny 156

PROGENY 145  
PROGENY 166  
PROGENY 188

Southern States Coop.  
P.O. Box 26234  
Richmond, VA 23260  
(804) 281-1203

Southern States SS 518  
Southern States SS 520  
Southern States SS 522

Southern States SS 524  
Southern States SS 535

Syngenta Seeds, Inc.  
P.O. Box 729  
Bay, AR 72411  
(870) 483-7691

NK Coker 9152  
NK Coker 9543  
NK Coker 9663

Terral Seed, Inc.  
P.O. Box 826  
Lake Providence, LA 71254  
(318) 559-2840

Terral LA422  
Terral TV 8555  
Terral TV8565

Terral TVX81466  
Terral Secretariat LA495 (oat)

UniSouth Genetics  
2640-C Nolensville Rd.  
Nashville, TN 37211  
(800) 505-3133

USG 3209  
USG 3650  
USG 3709

University of Arkansas  
Department of Agronomy  
Fayetteville, AR 72701  
Dr. Robert Bacon  
(479) 575-5725

Pat  
Sabbe  
AR 839-25-8-2  
AR 839-28-1-2  
AR 850-1-1

AR 910-9-1  
AR 910-9-2  
AR LA85411  
AR O289-9 (oat)

University of Florida  
30 Research Road  
Quincy, FL 32351  
Dr. Ron Barnett  
(850) 875-7118

Chapman (oat)

University of Georgia  
UGA-CAES, Griffin Campus  
Griffin, GA 30223  
Dr. Jerry Johnson  
(770) 228-7321

UGA 92485E15  
UGA 90552AE33

Louisiana State University  
Agronomy Department  
Baton Rouge, LA 70803-2110  
Dr. Steve Harrison  
(225) 578-1308

LA 90185G3-1-3-4-2  
LA 90518PB43-3-1-4  
LA 9389C37-1  
LA 94242D4-2  
LA 94242D4-4

LA 90104C22-7-4-1 (oat)  
LA 9213E105-4 (oat)  
LA 9339E45 (oat)  
LA 9533D36-6 (oat)  
LA 9533D63-1 (oat)

Virginia PI & State University  
P.O. Box 338 - EVAREC  
Warsaw, VA 22572  
(840) 333-3485

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