

University of Arkansas, Fayetteville

ScholarWorks@UARK

Arkansas Agricultural Experiment Station
Research Series

Arkansas Agricultural Experiment Station

7-1-2003

Arkansas Small-Grain Cultivar Performance Tests 2002-2003

J. T. Kelly

University of Arkansas, Fayetteville

C. E. Parsons

University of Arkansas, Fayetteville

R. K. Bacon

University of Arkansas, Fayetteville

Follow this and additional works at: <https://scholarworks.uark.edu/aaesser>



Part of the [Agricultural Science Commons](#), [Agronomy and Crop Sciences Commons](#), [Botany Commons](#), and the [Horticulture Commons](#)

Citation

Kelly, J. T., Parsons, C. E., & Bacon, R. K. (2003). Arkansas Small-Grain Cultivar Performance Tests 2002-2003. *Arkansas Agricultural Experiment Station Research Series*. Retrieved from <https://scholarworks.uark.edu/aaesser/120>

This Report is brought to you for free and open access by the Arkansas Agricultural Experiment Station at ScholarWorks@UARK. It has been accepted for inclusion in Arkansas Agricultural Experiment Station Research Series by an authorized administrator of ScholarWorks@UARK. For more information, please contact scholar@uark.edu.

**Arkansas
Small-Grain Cultivar
Performance Tests
2002-2003**



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

ARKANSAS AGRICULTURAL EXPERIMENT STATION

Division of Agriculture

University of Arkansas

July 2003

Research Series 505

This publication is available on the Internet at www.uark.edu/depts/agripub/publications

Additional printed copies of this publication can be obtained free of charge from Communication Services, 110 Agriculture Building, University of Arkansas, Fayetteville, AR 72701.

Technical editing and cover design by Cam Romund

Arkansas Agricultural Experiment Station, University of Arkansas Division of Agriculture, Fayetteville. Milo J. Shult, Vice President for Agriculture and Director; Gregory J. Weidemann, Dean, Dale Bumpers College of Agricultural, Food and Life Sciences and Associate Vice President for Agriculture–Research, University of Arkansas Division of Agriculture. SG900QX5. The University of Arkansas Division of Agriculture follows a nondiscriminatory policy in programs and employment.
ISSN:1051-3140 CODEN:AKAMA6

ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

2002-2003

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
Mr. Harold Parker, Research Assistant
Mr. Nathan Fortner, Graduate Assistant
Mr. Keith King, Graduate Assistant
Mr. Juan Carlos Paz, Undergraduate Assistant

Department of Plant Pathology, University of Arkansas, Fayetteville
Dr. Gene Milus, Associate Professor
Mr. Peter Rohman, Research Specialist
Mr. Sam Markell, 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. Christopher Deren, 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

CONTENTS

	Page
Introduction	1
Methods	1
Weather Summary	2
Results	2
Map of Testing Sites	3
Table 1. Wheat Yields at Five Locations in 2002-03	4
Table 2. Performance of Wheat Cultivars in Standard Input Test, Kibler	6
Table 3. Performance of Wheat Cultivars in Standard Input Test, Marianna	9
Table 4. Performance of Wheat Cultivars in Standard Input Test, Rohwer	12
Table 5. Performance of Wheat Cultivars in Standard Input Test, Stuttgart	15
Table 6. Performance of Wheat Cultivars in High Input Test, Stuttgart	18
Table 7. Performance of Wheat Cultivars in Standard Input Test, Lewisville	21
Table 8. Performance of Oat Cultivars at Marianna	24
Table 9. Performance of Oat Cultivars at Stuttgart	25
Participants and Entries (companies)	26
Participants and Entries (public institutions)	28

ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS¹ 2002-2003

J.T. Kelly², C.E. Parsons³, and R.K. Bacon²

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 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. This dual approach is utilized to give information on cultivar performance under conventional and high input production strategies employed by Arkansas farmers. Specific location and cultural practice information accompanies each table.

METHODS

Each wheat test contained 89 entries (plus one filler) and each oat test contained 16 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). All 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.

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

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.

¹ 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.

² Senior Research Associate and Professor, respectively, Department of Crop, Soil and Environmental Sciences, University of Arkansas, Fayetteville, AR 72701

³ Senior Research Associate, Lonoke Extension Office, P.O. Box 357, Lonoke, AR 72086.

WEATHER SUMMARY

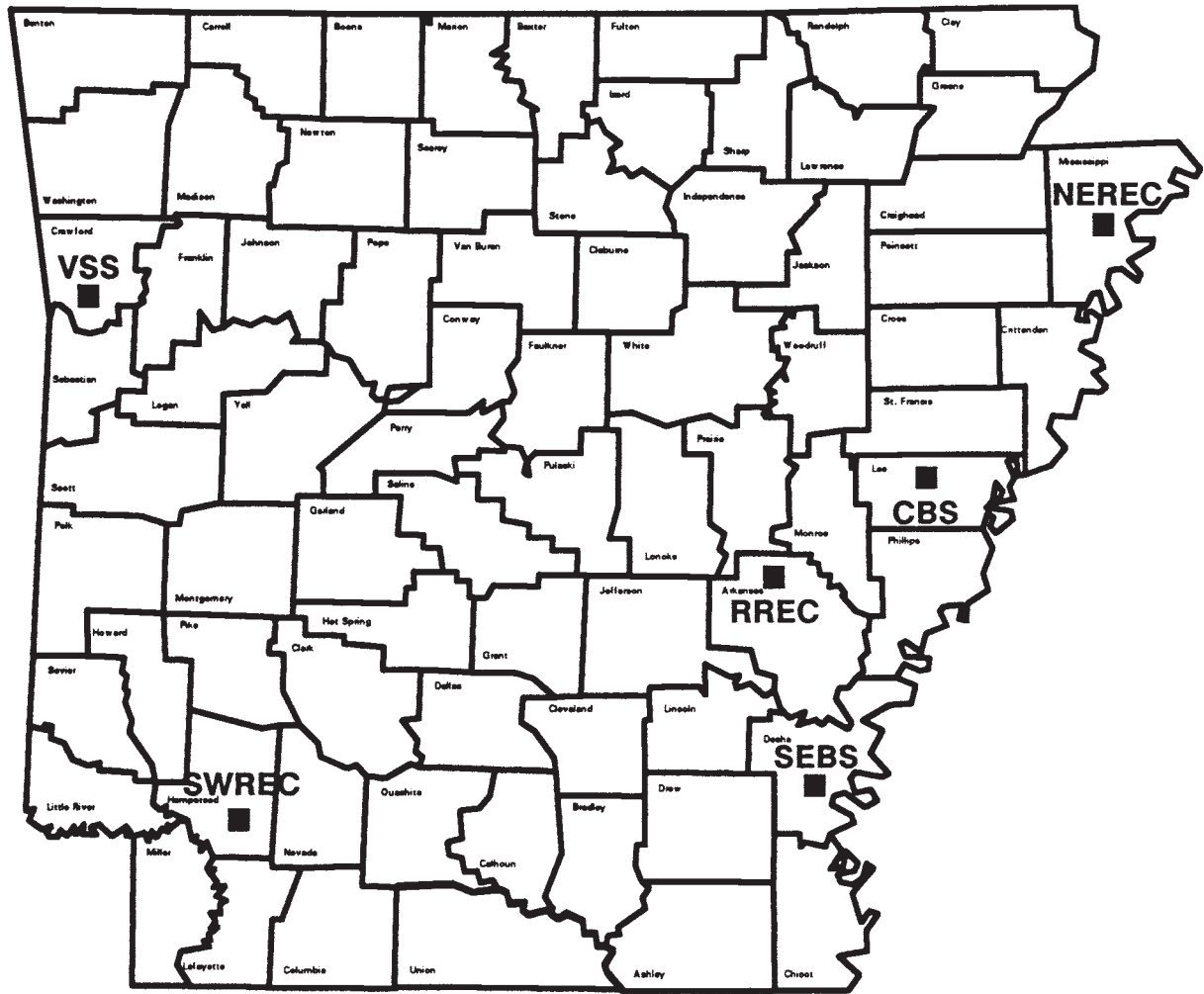
Rainfall was high in the fall, making it difficult to get the tests planted during the optimal time. Due to wet conditions, the test at Keiser was not planted until mid-November. Because of the late planting date followed by cool, wet conditions, stand establishment at Keiser was very poor and the test was abandoned in the spring. Stand establishment was good at all other locations.

Seasonal rainfall was higher than normal at Stuttgart and Lewisville, near normal at Marianna and Rohwer, and below normal at Kibler. Conditions were dry during March and April across all locations. Monthly rainfall totals from October through May and the departure from normal (30-year average) are given for each test. Due to frequent rains in June, there was a delay of about one to two weeks in harvesting the tests at Kibler and Marianna.

RESULTS

Grain yields were good for all the wheat tests. Stripe rust became prevalent in many trials. Yields of susceptible cultivars were adversely affected at Lewisville, Rohwer, Kibler, and possibly at Stuttgart. Leaf rust was observed in the tests at Marianna and Stuttgart but did not appear until late and probably had little impact on yield. Disease ratings for stripe rust at Kibler and Lewisville 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 2-7 along with cultural practice and site information including precipitation summaries. The results from the oat tests are presented in Tables 8-9.

SMALL-GRAIN TEST LOCATIONS



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

Table 1. Summary of wheat yields in the Standard and High Input Tests at five locations.

	Standard Input					High Input
	Kibler	Marianna	Rohwer	Stuttgart	Lewis.	Stuttgart
AGRIPRO D98*9762	67.9	60.1	77.9	93.9	56.5	96.7
AGRIPRO D99-5261	76.2	66.6	79.1	99.3	59.4	94.7
AGRIPRO M98-1661	67.7	73.5	55.8	92.6	50.9	93.7
AGRIPRO NATCHEZ	67.3	72.2	73.2	78.7	61.6	91.8
AGRIPRO SAVAGE	74.5	65.6	74.9	87.9	65.3	89.4
AGRIPRO SHELBY	65.3	68.3	71.8	91.5	61.9	90.5
AGS 2000	70.1	74.4	60.7	89.0	50.2	100.9
AGS 2485	60.9	68.9	55.3	88.3	47.3	103.6
AR 839	68.8	70.4	73.4	79.9	56.0	86.9
AR 910-9-1	62.8	75.1	63.0	88.6	50.4	94.0
ARMOR 3035	63.6	70.5	63.1	85.3	71.6	96.3
ARMOR 4045	66.7	71.7	55.9	85.9	64.2	89.5
ARMOR X5111	72.1	68.5	67.9	89.0	63.4	97.4
ARMOR X5222	66.8	69.5	57.7	88.1	59.1	97.9
ARMOR X5333	62.8	68.8	57.6	89.1	56.8	95.4
ARMOR X5777	66.1	66.8	69.9	87.1	64.9	96.8
ARMOR X5888	70.6	72.7	77.3	91.5	56.7	91.5
COYOTE	74.8	63.4	77.1	83.5	61.0	97.8
CROPLAN GENET. 514W	37.4	70.5	64.7	94.9	54.9	96.4
CROPLAN GENET. 554W	69.1	73.5	73.9	99.4	48.3	103.1
DELTA GROW 4200	61.2	73.9	69.7	88.9	52.4	93.6
DELTA GROW 4500	66.3	72.2	78.8	90.0	65.1	93.8
DELTA GROW 4888	58.3	68.9	70.0	92.6	54.4	100.1
DELTA GROW 5300	56.8	66.5	77.7	89.3	55.3	93.1
DELTA KING 155W	62.4	71.3	74.3	86.4	57.6	93.0
DELTA KING 7777	71.0	72.3	70.5	91.5	54.3	95.8
DELTA KING 7900	66.3	64.5	70.9	89.3	66.0	97.7
DELTA KING 9027	62.7	68.1	75.5	89.7	54.9	94.0
DELTA KING 9121	68.4	68.1	67.6	94.4	52.6	95.4
DELTA KING 9216	59.7	69.5	77.8	90.4	55.2	98.4
DELTA KING 9410	68.6	69.3	77.0	91.3	66.1	98.6
DIXIE 900	69.5	72.3	72.8	92.1	67.2	94.3
DIXIE 922	60.2	68.8	63.5	89.1	66.6	92.2
DIXIE 933	64.9	68.1	63.3	80.6	57.2	97.5
DIXIE X9013	60.9	65.3	66.3	88.8	68.3	90.9
DIXIE X9113	70.5	72.9	56.7	85.4	57.3	91.3
DIXIE X9512	72.1	69.3	56.2	95.0	63.6	94.7
DIXIE X9712	61.7	63.8	65.6	87.8	59.5	93.3
DIXIE X9812	69.0	70.8	56.0	90.2	63.8	97.6
EK EXP110	60.4	68.5	57.1	91.0	54.5	88.3
EK EXP138	59.1	72.4	63.1	86.6	71.8	94.3
EK EXP180	69.7	64.9	67.3	85.4	65.6	90.5
FFR 510	55.7	73.8	57.0	81.8	64.4	95.1
FFR 556	72.3	68.0	68.2	102.4	51.0	100.1
GA 931241E16	65.7	64.5	67.9	86.5	60.2	92.8
GENESIS M86	68.3	71.9	61.0	93.9	73.1	98.0
GENESIS R023	74.3	71.6	64.4	93.3	55.5	94.8
GENESIS R024	76.6	66.2	70.6	94.7	57.5	94.0
GENESIS R033	72.6	68.7	69.4	93.1	59.5	93.9

Table 1. Summary of wheat yields in the Standard and High Input Tests at five locations (continued).

	Standard Input					High Input
	Kibler	Marianna	Rohwer	Stuttgart	Lewis.	Stuttgart
GENESIS R043	71.3	66.9	73.6	85.1	67.5	88.2
GENESIS VENTURE	52.2	70.4	61.7	86.2	51.1	84.1
HBK 3030	59.4	69.3	62.0	88.9	58.4	81.4
HBK X3106	64.0	69.2	62.9	87.0	56.3	96.2
LA 90185G3-1-3-4-2	67.4	68.1	75.5	87.8	61.5	90.0
McCORMICK	65.6	66.6	66.8	87.3	52.7	101.1
NC96-13156	56.7	66.7	69.1	70.3	53.9	92.6
NK B960457	62.8	70.7	88.8	92.9	60.8	94.6
NK COKER 9152	64.5	76.9	66.1	85.0	57.8	97.1
NK COKER 9663	65.1	71.7	65.6	86.2	54.8	96.2
PAT	71.0	64.0	65.9	81.5	54.3	92.6
PIONEER 26R12	67.0	69.7	60.9	82.2	54.7	92.5
PIONEER 26R58	63.3	66.3	68.8	87.2	59.5	92.6
PIONEER BRAND 26R24	66.5	68.8	54.3	88.2	57.6	91.1
PIONEER BRAND 26R38	62.0	70.4	70.6	82.6	55.7	89.3
PIONEER BRAND 26R46	54.0	66.4	63.3	76.5	64.1	90.4
PROGENY 145	66.3	68.2	66.4	90.5	69.8	85.3
PROGENY 156	62.8	74.8	64.6	85.5	65.1	96.9
PROGENY 166	63.0	72.1	68.3	85.3	63.0	97.7
ROANE	69.0	74.2	66.0	91.7	55.7	91.2
SABBE	63.4	71.1	74.1	90.6	55.9	103.6
SOUTH. STATES SS 522	57.5	69.8	66.1	89.4	60.1	102.5
SOUTH. STATES SS 535	63.7	69.7	56.2	81.8	57.6	92.7
SOUTH. STATES SS520	48.0	68.5	59.7	90.8	49.7	97.5
SOUTH. STATES SS524	63.0	67.1	66.2	102.2	57.9	96.3
SOUTH. STATES SS560	69.5	72.9	57.6	94.8	56.8	94.8
TERRAL LA841	59.1	69.5	77.1	82.1	60.6	92.1
TERRAL TV 8555	68.9	64.4	64.4	82.0	55.3	97.7
TERRAL TV8450	62.2	71.5	70.3	95.3	65.3	96.1
TERRAL TV8466	67.4	80.8	70.0	91.2	67.8	92.4
TERRAL TV8565	60.4	64.8	66.5	89.6	59.5	98.9
TERRAL TVX81H04	64.3	66.8	77.0	91.1	64.5	96.5
TERRAL TVX82H01	66.1	80.1	56.1	89.9	59.8	98.1
TERRAL TVX82H02	63.3	68.7	72.3	93.1	64.7	95.1
USG 3209	73.5	71.6	70.3	87.1	57.6	89.6
USG 3350	70.1	75.0	74.6	86.9	63.1	95.8
USG 3430	64.8	73.2	64.6	90.8	64.1	91.3
USG 3709	59.6	69.5	77.2	69.1	56.9	85.9
VA 98W-706	66.5	69.1	71.7	89.4	63.4	97.2
VIGORO TRIBUTE	68.0	71.6	58.1	86.0	59.5	89.8
Grand mean	65.1	69.8	67.3	88.4	59.4	94.3
LSD (5%)	9.3	9.8	18.9	8.7	12.4	12.9
C.V. (%)	10.3	10.2	20.3	7.1	15.1	9.9

**STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, AR**

SOIL SERIES....Roxanna silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 17, 2002
 FERTILIZER....80 lb N/A + 18 lb S/A on March 6, 2003
 HERBICIDE APPLICATION....None
 FUNGICIDE APPLICATION....None
 HARVEST DATE....June 17, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2002-2003	2.1	1.4	5.2	0.1	2.9	2.0	2.6	2.4	18.7
Normal	3.3	3.2	2.8	2.4	2.7	3.5	4.2	4.6	27.1
Departure	-1.2	-1.8	+2.4	-2.3	+0.2	-1.5	-1.6	-2.2	-8.4

Table 2. Performance of Wheat Cultivars in Standard Performance Test, Kibler.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Strp rust	2-Yr avg
	bu/A	lb/bu	%	in			%	bu/A
GENESIS R024	76.6	53.0	1	38	4-22	5-26	0	69.9
AGRIPRO D99-5261	76.2	51.9	0	33	4-23	5-27	0	
COYOTE	74.8	54.8	0	34	4-20	5-25	0	
AGRIPRO SAVAGE	74.5	55.7	2	35	4-21	5-25	1	81.1
GENESIS R023	74.3	53.6	1	41	4-21	5-26	0	79.5
USG 3209	73.5	52.9	4	31	4-17	5-23	4	69.1
GENESIS R033	72.6	53.2	3	39	4-22	5-26	0	
FFR 556	72.3	53.2	3	35	4-23	5-26	18	64.0
ARMOR X5111	72.1	54.2	3	39	4-21	5-25	0	
DIXIE X9512	72.1	53.8	2	39	4-22	5-26	0	71.2
GENESIS R043	71.3	52.7	3	39	4-21	5-25	0	
DELTA KING 7777	71.0	52.5	2	39	4-22	5-27	0	76.3
PAT	71.0	53.0	0	40	4-24	5-27	0	74.3
ARMOR X5888	70.6	54.3	2	40	4-21	5-25	0	
DIXIE X9113	70.5	56.3	0	36	4-23	5-26	0	
USG 3350	70.1	54.5	2	38	4-23	5-26	0	
AGS 2000	70.1	53.7	0	35	4-18	5-23	2	69.3
EK EXP180	69.7	55.9	0	36	4-24	5-27	0	
DIXIE 900	69.5	54.1	3	39	4-23	5-25	0	73.4
SOUTH. STATES SS560	69.5	51.4	1	34	4-21	5-24	10	
CROPLAN GENET. 554W	69.1	52.6	1	35	4-22	5-25	45	68.1
ROANE	69.0	55.9	3	33	4-24	5-27	3	66.7
DIXIE X9812	69.0	54.7	2	39	4-22	5-24	0	
TERRAL TV 8555	68.9	51.9	0	32	4-23	5-25	0	66.2
AR 839	68.8	52.6	0	37	4-22	5-24	0	71.6
DELTA KING 9410	68.6	53.2	2	40	4-22	5-24	0	73.4
DELTA KING 9121	68.4	52.4	1	35	4-22	5-27	2	65.1
GENESIS M86	68.3	52.9	1	39	4-22	5-26	0	

Table 2. (continued).

Entry Name	Yield	Test		Pt ht	Head date	Mat. date	Strp rust	2-Yr avg
		wt	Ldg					
	bu/A	lb/bu	%	in			%	bu/A
VIGORO TRIBUTE	68.0	55.5	0	34	4-20	5-26	2	70.4
AGRIPRO D98*9762	67.9	53.6	1	35	4-18	5-25	17	
AGRIPRO M98-1661	67.7	50.0	1	35	4-24	5-27	0	
TERRAL TV8466	67.4	52.1	1	37	4-23	5-26	0	65.0
LA 90185G3-1-3-4-2	67.4	53.1	8	36	4-20	5-27	5	63.3
AGRIPRO NATCHEZ	67.3	51.3	7	39	4-22	5-27	0	72.6
PIONEER 26R12	67.0	53.4	0	34	4-22	5-24	1	
ARMOR X5222	66.8	53.7	3	39	4-23	5-26	0	71.2
ARMOR 4045	66.7	53.5	1	39	4-23	5-27	0	69.6
PIONEER BRAND 26R24	66.5	51.4	1	34	4-18	5-23	4	63.8
VA 98W-706	66.5	54.3	0	32	4-18	5-22	0	
DELTA KING 7900	66.3	54.0	2	39	4-23	5-25	0	69.8
DELTA GROW 4500	66.3	53.5	3	39	4-21	5-25	0	
PROGENY 145	66.3	54.0	1	38	4-22	5-24	0	68.5
ARMOR X5777	66.1	54.0	4	38	4-22	5-25	0	
TERRAL TVX82H01	66.1	54.3	3	38	4-21	5-23	0	
GA 931241E16	65.7	53.1	2	36	4-21	5-24	0	
McCORMICK	65.6	55.2	13	31	4-21	5-26	0	70.0
AGRIPRO SHELBY	65.3	53.7	7	39	4-23	5-26	4	68.9
NK COKER 9663	65.1	53.4	4	38	4-21	5-26	5	67.6
DIXIE 933	64.9	55.7	2	41	4-24	5-25	0	
USG 3430	64.8	53.0	2	38	4-22	5-25	0	
NK COKER 9152	64.5	53.5	2	40	4-18	5-23	13	71.9
TERRAL TVX81H04	64.3	53.6	1	38	4-22	5-23	0	
HBK X3106	64.0	54.7	1	36	4-19	5-25	8	
SOUTH. STATES SS 535	63.7	53.8	0	32	4-20	5-25	1	63.3
ARMOR 3035	63.6	52.7	1	39	4-22	5-26	0	65.2
SABBE	63.4	52.3	0	36	4-23	5-27	0	66.0
TERRAL TVX82H02	63.3	53.6	2	38	4-23	5-26	0	
PIONEER 26R58	63.3	53.6	0	33	4-21	5-24	3	65.5
SOUTH. STATES SS524	63.0	50.4	2	34	4-17	5-26	10	59.6
PROGENY 166	63.0	54.1	2	39	4-23	5-25	0	71.5
PROGENY 156	62.8	52.8	2	37	4-23	5-26	0	60.8
AR 910-9-1	62.8	52.9	1	38	4-20	5-23	0	62.3
ARMOR X5333	62.8	52.2	1	39	4-22	5-25	0	67.7
NK B960457	62.8	49.1	1	38	4-22	5-24	0	
DELTA KING 9027	62.7	51.7	3	34	4-23	5-27	0	61.7
DELTA KING 155W	62.4	49.2	2	35	4-22	5-26	0	61.4
TERRAL TV8450	62.2	52.9	1	39	4-22	5-24	0	67.2
PIONEER BRAND 26R38	62.0	52.1	3	36	4-20	5-23	13	60.8
DIXIE X9712	61.7	52.8	1	39	4-21	5-23	0	
DELTA GROW 4200	61.2	54.0	1	37	4-23	5-25	0	67.7
DIXIE X9013	60.9	53.7	2	38	4-23	5-25	0	
AGS 2485	60.9	54.4	0	37	4-20	5-25	55	63.5
EK EXP110	60.4	53.3	1	37	4-23	5-25	0	
TERRAL TV8565	60.4	52.0	2	39	4-23	5-27	0	63.8

Table 2. (continued).

Entry Name	Test		Ldg	Pt ht	Head date	Mat. date	Strp rust	2-Yr avg
	Yield	wt						
	bu/A	lb/bu	%	in			%	bu/A
DIXIE 922	60.2	52.2	2	40	4-22	5-26	0	65.9
DELTA KING 9216	59.7	50.8	4	37	4-23	5-26	0	62.1
USG 3709	59.6	50.4	0	36	4-21	5-26	4	58.3
HBK 3030	59.4	53.0	0	31	4-20	5-25	0	58.2
EK EXP138	59.1	53.5	1	39	4-21	5-26	0	
TERRAL LA841	59.1	51.1	1	32	4-20	5-23	0	60.8
DELTA GROW 4888	58.3	52.4	2	39	4-21	5-25	0	64.8
SOUTH. STATES SS 522	57.5	52.2	0	36	4-23	5-27	1	59.9
DELTA GROW 5300	56.8	49.9	7	37	4-20	5-25	0	60.4
NC96-13156	56.7	55.4	1	34	4-25	5-27	9	
FFR 510	55.7	53.3	1	36	4-16	5-21	83	59.0
PIONEER BRAND 26R46	54.0	51.5	0	34	4-20	5-22	0	60.9
GENESIS VENTURE	52.2	50.9	2	35	4-21	5-26	14	
SOUTH. STATES SS520	48.0	51.4	0	37	4-16	5-21	91	51.5
CROPLAN GENET. 514W	37.4	51.0	2	35	4-16	5-21	91	
Grand mean	65.1	53.0	2	37	4-21	5-25	6	66.6
LSD (5%)	9.3	1.8	5	2	1	2	9	10.7
C.V. (%)	10.3	2.5	206	4	2	2	114	10.7

Ldg = Lodging

Pt ht = Plant height

Strp rust = stripe rust

**STANDARD INPUT WHEAT TEST
COTTON BRANCH STATION, MARIANNA, AR**

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 23, 2002
 FERTILIZER.... 90 lb N/A + 18 lb S/A on Feb. 13, 2003; 60 lb N/A on March 10, 2003
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....June 23, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2002-2003	4.2	3.3	8.9	0.4	7.1	1.7	2.3	7.4	35.3
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+1.2	-1.1	+4.1	-4.0	+3.0	-3.7	-3.2	+2.2	-1.5

Table 3. Performance of Wheat Cultivars in Standard Performance Test, Marianna.

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---	
TERRAL TV8466	80.8	54.6	1	32	4-19	5-21	75.6	
TERRAL TVX82H01	80.1	54.9	1	37	4-17	5-20		
NK COKER 9152	76.9	54.0	6	35	4-16	5-20	76.6	79.0
AR 910-9-1	75.1	53.3	6	35	4-16	5-20	72.3	
USG 3350	75.0	53.9	4	37	4-18	5-21		
PROGENY 156	74.8	54.7	3	35	4-20	5-23	71.8	72.5
AGS 2000	74.4	53.5	14	33	4-15	5-21	75.7	76.7
ROANE	74.2	55.1	0	31	4-20	5-22	73.8	70.7
DELTA GROW 4200	73.9	52.9	10	37	4-19	5-22	79.2	
FFR 510	73.8	54.0	1	35	4-14	5-20	73.9	74.0
AGRIPRO M98-1661	73.5	54.3	4	31	4-20	5-22		
CROPLAN GENET. 554W	73.5	53.9	6	33	4-18	5-19	79.1	76.9
USG 3430	73.2	54.4	3	36	4-17	5-20		
DIXIE X9113	72.9	53.6	0	33	4-21	5-25		
SOUTH. STATES SS560	72.9	54.3	0	33	4-18	5-19		
ARMOR X5888	72.7	55.3	0	37	4-19	5-20		
EK EXP138	72.4	52.7	1	36	4-17	5-20		
DELTA KING 7777	72.3	54.6	4	36	4-20	5-24	76.2	79.5
DIXIE 900	72.3	53.6	1	37	4-18	5-21	78.9	80.4
AGRIPRO NATCHEZ	72.2	53.1	13	37	4-20	5-24	83.4	81.4
DELTA GROW 4500	72.2	52.2	6	36	4-19	5-21		
PROGENY 166	72.1	51.7	0	37	4-19	5-22	77.9	
GENESIS M86	71.9	54.8	1	37	4-19	5-23		
ARMOR 4045	71.7	52.1	0	38	4-18	5-22	71.9	73.4
NK COKER 9663	71.7	52.8	24	36	4-16	5-22	72.8	74.5
USG 3209	71.6	53.5	33	28	4-15	5-17	77.2	77.0
GENESIS R023	71.6	53.9	1	36	4-17	5-20	79.0	
VIGORO TRIBUTE	71.6	54.1	1	31	4-18	5-22	69.8	73.0

Table 3. (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---	
TERRAL TV8450	71.5	54.4	1	37	4-18	5-20	70.9	
DELTA KING 155W	71.3	54.3	2	31	4-19	5-20	71.0	70.9
SABBE	71.1	53.8	0	34	4-19	5-19	71.4	70.5
DIXIE X9812	70.8	54.2	1	36	4-17	5-20		
NK B960457	70.7	53.2	3	34	4-19	5-22		
ARMOR 3035	70.5	53.7	1	36	4-19	5-21	71.9	79.2
CROPLAN GENET. 514W	70.5	53.8	3	33	4-15	5-19		
GENESIS VENTURE	70.4	56.2	0	34	4-16	5-20		
PIONEER BRAND 26R38	70.4	54.3	3	34	4-16	5-19	70.1	75.0
AR 839	70.4	54.4	0	34	4-20	5-23	72.9	74.4
SOUTH. STATES SS 522	69.8	52.2	1	33	4-17	5-20	68.2	71.7
SOUTH. STATES SS 535	69.7	54.7	2	31	4-18	5-21	74.8	78.2
PIONEER 26R12	69.7	54.1	1	33	4-18	5-22		
TERRAL LA841	69.5	53.3	11	32	4-13	5-16	66.4	70.3
USG 3709	69.5	52.0	12	35	4-18	5-20	68.6	70.5
DELTA KING 9216	69.5	53.6	3	35	4-20	5-23	68.8	72.9
ARMOR X5222	69.5	54.8	0	35	4-19	5-22	71.1	
DELTA KING 9410	69.3	55.5	5	37	4-19	5-21	77.0	
HBK 3030	69.3	53.0	0	31	4-17	5-20	71.2	70.2
DIXIE X9512	69.3	53.6	0	37	4-17	5-21	71.6	
HBK X3106	69.2	53.1	1	37	4-15	5-20		
VA 98W-706	69.1	53.8	0	29	4-16	5-17		
AGS 2485	68.9	51.8	0	35	4-15	5-20	73.6	
DELTA GROW 4888	68.9	54.1	1	37	4-19	5-23	71.7	73.6
ARMOR X5333	68.8	51.3	0	36	4-19	5-21	71.8	
PIONEER BRAND 26R24	68.8	53.1	7	34	4-16	5-20	70.9	74.8
DIXIE 922	68.8	54.7	1	39	4-19	5-22	75.1	75.5
TERRAL TVX82H02	68.7	54.4	1	38	4-19	5-22		
GENESIS R033	68.7	54.3	1	37	4-19	5-21		
SOUTH. STATES SS520	68.5	54.5	0	34	4-14	5-19	73.4	
ARMOR X5111	68.5	54.1	0	37	4-17	5-20		
EK EXP110	68.5	53.6	2	36	4-17	5-20		
AGRIPRO SHELBY	68.3	54.0	14	35	4-18	5-20	73.1	76.0
PROGENY 145	68.2	52.6	1	37	4-17	5-20	71.3	
DELTA KING 9121	68.1	51.8	4	30	4-19	5-23	65.0	65.9
DIXIE 933	68.1	54.0	1	40	4-21	5-21		
DELTA KING 9027	68.1	52.8	6	33	4-19	5-21	70.5	67.4
LA 90185G3-1-3-4-2	68.1	54.5	20	35	4-16	5-21	69.1	76.4
FFR 556	68.0	54.2	1	33	4-18	5-19	77.7	
SOUTH. STATES SS524	67.1	53.2	1	33	4-15	5-20	67.2	
GENESIS R043	66.9	55.0	1	37	4-17	5-21		
ARMOR X5777	66.8	54.6	2	37	4-18	5-20		
TERRAL TVX81H04	66.8	54.8	1	37	4-17	5-21		
NC96-13156	66.7	51.4	8	32	4-20	5-23		
McCORMICK	66.6	51.9	1	29	4-19	5-19	73.0	
AGRIPRO D99-5261	66.6	54.4	5	32	4-20	5-22		

Table 3. (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----	
DELTA GROW 5300	66.5	53.0	3	33	4-18	5-20	69.2	69.9
PIONEER BRAND 26R46	66.4	54.4	3	33	4-16	5-20	70.5	74.9
PIONEER 26R58	66.3	52.0	1	31	4-19	5-19	70.2	
GENESIS R024	66.2	55.0	0	34	4-20	5-21	69.6	
AGRIPRO SAVAGE	65.6	52.5	8	30	4-19	5-19	75.8	
DIXIE X9013	65.3	54.0	1	35	4-20	5-24		
EK EXP180	64.9	52.7	2	33	4-20	5-25		
TERRAL TV8565	64.8	53.9	1	37	4-19	5-23	67.6	
DELTA KING 7900	64.5	53.3	4	37	4-19	5-22	71.1	73.1
GA 931241E16	64.5	52.3	23	35	4-18	5-20		
TERRAL TV 8555	64.4	52.0	1	32	4-20	5-20	68.6	72.6
PAT	64.0	53.9	0	37	4-22	5-26	68.6	71.5
DIXIE X9712	63.8	54.1	4	37	4-19	5-20		
COYOTE	63.4	52.3	1	31	4-16	5-21		
AGRIPRO D98*9762	60.1	53.2	4	33	4-16	5-20		
Grand mean	69.8	53.7	4	35	4-18	5-21	72.7	74.1
LSD (5%)	9.8	2.6	6	2	1	2	10.0	8.7
C.V. (%)	10.2	3.5	119	4	2	2	9.2	9.5

Ldg = Lodging

Pt ht = Plant height

**STANDARD INPUT WHEAT TEST
SOUTHEAST BRANCH STATION, ROHWER, AR**

SOIL SERIES....McGehee silt loam

PREVIOUS CROP...Fallow

PLANTING DATE....November 11, 2002

FERTILIZER.....200 lb 0-46-60/A on Nov.13, 2002; 50 lb N/A + 58 lb S/A on Feb. 12, 2003; 68 lb N/A on March 17, 2003

HERBICIDE....0.6 oz/A Harmony Extra on March 8, 2003

INSECTICIDE....None

HARVEST DATE....June 2, 2003

PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2002-2003	4.3	3.5	9.6	0.2	7.4	1.4	2.7	9.7	39.2
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	-0.2	-1.7	+2.9	-3.2	+1.9	-3.8	-0.8	+5.0	+0.1

Table 4. Performance of Wheat Cultivars in Standard Input Test, Rohwer.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
NK B960457	88.8	54.0	39	4-22	5-18	
AGRIPRO D99-5261	79.1	55.0	36	4-23	5-20	
DELTA GROW 4500	78.8	53.8	42	4-21	5-20	
AGRIPRO D98*9762	77.9	55.7	37	4-20	5-20	
DELTA KING 9216	77.8	52.7	41	4-23	5-21	69.8
DELTA GROW 5300	77.7	54.7	38	4-22	5-17	78.6
ARMOR X5888	77.3	55.6	40	4-22	5-19	
USG 3709	77.2	54.3	38	4-23	5-21	73.7
COYOTE	77.1	54.5	36	4-19	5-19	
TERRAL LA841	77.1	55.0	34	4-21	5-17	75.0
DELTA KING 9410	77.0	52.7	40	4-23	5-21	75.3
TERRAL TVX81H04	77.0	54.3	41	4-21	5-18	
LA 90185G3-1-3-4-2	75.5	54.6	40	4-22	5-20	72.5
DELTA KING 9027	75.5	53.0	38	4-24	5-23	70.6
AGRIPRO SAVAGE	74.9	57.1	35	4-20	5-18	74.4
USG 3350	74.6	54.8	40	4-23	5-21	
DELTA KING 155W	74.3	54.0	35	4-22	5-21	70.4
SABBE	74.1	53.8	40	4-22	5-23	74.2
CROPLAN GENET. 554W	73.9	54.1	33	4-21	5-18	69.1
GENESIS R043	73.6	54.1	41	4-22	5-20	
AR 839	73.4	54.9	40	4-23	5-20	75.5
AGRIPRO NATCHEZ	73.2	54.4	40	4-23	5-18	76.2
DIXIE 900	72.8	53.4	41	4-22	5-20	75.1
TERRAL TVX82H02	72.3	54.9	40	4-23	5-20	
AGRIPRO SHELBY	71.8	55.0	38	4-22	5-20	71.3
VA 98W-706	71.7	54.1	35	4-19	5-16	

Table 4. (continued).

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
DELTA KING 7900	70.9	52.3	42	4-22	5-20	71.5
PIONEER BRAND 26R38	70.6	53.2	37	4-22	5-19	67.9
GENESIS R024	70.6	53.0	37	4-24	5-21	68.6
DELTA KING 7777	70.5	52.9	41	4-22	5-21	68.6
TERRAL TV8450	70.3	54.0	40	4-22	5-19	76.9
USG 3209	70.3	53.0	31	4-19	5-18	69.0
TERRAL TV8466	70.0	53.1	38	4-23	5-20	71.9
DELTA GROW 4888	70.0	54.1	41	4-22	5-21	74.1
ARMOR X5777	69.9	52.8	38	4-23	5-21	
DELTA GROW 4200	69.7	54.1	41	4-22	5-20	75.7
GENESIS R033	69.4	54.0	40	4-23	5-19	
NC96-13156	69.1	54.5	35	4-23	5-20	
PIONEER 26R58	68.8	52.6	35	4-22	5-19	71.8
PROGENY 166	68.3	54.1	40	4-23	5-21	74.8
FFR 556	68.2	54.9	33	4-22	5-18	70.8
GA 931241E16	67.9	53.4	38	4-21	5-16	
ARMOR X5111	67.9	54.5	40	4-21	5-19	
DELTA KING 9121	67.6	54.3	35	4-23	5-23	57.7
EK EXP180	67.3	53.8	36	4-24	5-22	
McCORMICK	66.8	53.8	33	4-23	5-23	71.0
TERRAL TV8565	66.5	51.1	41	4-22	5-21	68.0
PROGENY 145	66.4	52.6	39	4-21	5-20	73.5
DIXIE X9013	66.3	53.2	40	4-23	5-20	
SOUTH. STATES SS524	66.2	50.5	33	4-18	5-20	71.0
SOUTH. STATES SS 522	66.1	53.9	37	4-23	5-21	66.9
NK COKER 9152	66.1	53.2	40	4-20	5-18	71.3
ROANE	66.0	54.0	34	4-24	5-23	63.7
PAT	65.9	54.5	38	4-24	5-22	74.3
DIXIE X9712	65.6	52.8	40	4-22	5-20	
NK COKER 9663	65.6	53.6	41	4-21	5-20	69.6
CROPLAN GENET. 514W	64.7	52.4	36	4-16	5-15	
PROGENY 156	64.6	52.2	39	4-23	5-20	64.6
USG 3430	64.6	53.4	39	4-20	5-19	
GENESIS R023	64.4	53.5	40	4-21	5-20	74.3
TERRAL TV 8555	64.4	54.6	32	4-23	5-21	62.0
DIXIE 922	63.5	52.2	40	4-22	5-20	69.2
PIONEER BRAND 26R46	63.3	52.2	36	4-21	5-18	72.7
DIXIE 933	63.3	52.8	40	4-23	5-19	
EK EXP138	63.1	52.7	40	4-21	5-20	
ARMOR 3035	63.1	52.3	42	4-23	5-21	71.4
AR 910-9-1	63.0	52.7	40	4-21	5-19	67.0
HBK X3106	62.9	53.6	39	4-18	5-18	
HBK 3030	62.0	52.9	35	4-21	5-18	66.1
GENESIS VENTURE	61.7	52.6	37	4-23	5-20	
GENESIS M86	61.0	52.7	41	4-23	5-21	
PIONEER 26R12	60.9	53.5	34	4-23	5-20	

Table 4. (continued).

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
AGS 2000	60.7	55.5	37	4-20	5-20	64.9
SOUTH. STATES SS520	59.7	51.1	35	4-16	5-14	61.3
VIGORO TRIBUTE	58.1	53.2	35	4-22	5-21	64.5
ARMOR X5222	57.7	51.7	41	4-23	5-21	66.0
ARMOR X5333	57.6	50.9	40	4-23	5-20	63.9
SOUTH. STATES SS560	57.6	51.2	34	4-21	5-18	
EK EXP110	57.1	52.1	39	4-22	5-18	
FFR 510	57.0	51.0	36	4-16	5-13	62.1
DIXIE X9113	56.7	51.9	37	4-24	5-23	
DIXIE X9512	56.2	50.5	39	4-22	5-20	68.0
SOUTH. STATES SS 535	56.2	51.8	34	4-23	5-20	65.6
TERRAL TVX82H01	56.1	52.2	40	4-21	5-19	
DIXIE X9812	56.0	50.8	40	4-21	5-19	
ARMOR 4045	55.9	49.9	42	4-23	5-21	61.5
AGRIPRO M98-1661	55.8	51.2	34	4-24	5-23	
AGS 2485	55.3	50.8	38	4-18	5-20	62.7
PIONEER BRAND 26R24	54.3	51.6	37	4-20	5-16	59.4
Grand mean	67.3	53.2	38	4-22	5-20	69.6
LSD (5%)	18.9	3.8	2	2	2	13.5
C.V. (%)	20.3	5.2	4	2	2	16.3

Pt ht = Plant height

**STANDARD INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 30, 2002
 FERTILIZER....60 lb N/A on Feb. 12, 2003; 40 lb N/A on March 11, 2003;
 HERBICIDE.....2 pt/A Roundup on November 7, 2002
 INSECTICIDE....None
 HARVEST DATE....June 5, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2002-2003	5.8	2.4	11.6	2.0	10.6	2.5	3.5	4.8	43.2
	88								
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	<u>+3.1</u>	<u>-2.0</u>	<u>+7.0</u>	<u>-2.0</u>	<u>+6.6</u>	<u>-2.6</u>	<u>-1.7</u>	<u>+0.1</u>	<u>+8.5</u>

Table 5. Performance of Wheat Cultivars in Standard 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-----	
FFR 556	102.4	52.5	0	32	4-18	5-13	90.1	
SOUTH. STATES SS524	102.2	52.0	0	33	4-16	5-14	90.9	
CROPLAN GENET. 554W	99.4	52.8	0	32	4-18	5-14	89.1	86.8
AGRIPRO D99-5261	99.3	53.3	0	33	4-21	5-19		
TERRAL TV8450	95.3	54.1	0	36	4-17	5-16	91.0	
DIXIE X9512	95.0	54.7	0	38	4-17	5-15	90.4	
CROPLAN GENET. 514W	94.9	55.8	1	34	4-14	5-12		
SOUTH. STATES SS560	94.8	54.0	0	32	4-17	5-12		
GENESIS R024	94.7	52.2	0	35	4-21	5-16	85.8	
DELTA KING 9121	94.4	53.5	0	33	4-20	5-17	81.9	75.7
GENESIS M86	93.9	54.2	0	39	4-20	5-17		
AGRIPRO D98*9762	93.9	55.7	0	36	4-16	5-16		
GENESIS R023	93.3	54.3	0	38	4-19	5-16	92.9	
TERRAL TVX82H02	93.1	54.7	0	37	4-19	5-15		
GENESIS R033	93.1	54.8	0	38	4-21	5-18		
NK B960457	92.9	52.7	0	38	4-20	5-15		
DELTA GROW 4888	92.6	54.1	0	38	4-20	5-16	89.1	86.8
AGRIPRO M98-1661	92.6	53.3	0	34	4-23	5-20		
DIXIE 900	92.1	55.6	0	37	4-19	5-16	89.9	87.5
ROANE	91.7	56.1	0	32	4-20	5-19	82.0	78.6
ARMOR X5888	91.5	51.8	0	37	4-19	5-16		
DELTA KING 7777	91.5	53.7	0	38	4-20	5-17	87.7	85.8
AGRIPRO SHELBY	91.5	56.3	0	36	4-19	5-15	89.4	88.7
DELTA KING 9410	91.3	53.2	0	38	4-20	5-16	90.6	
TERRAL TV8466	91.2	52.6	0	34	4-19	5-17	87.9	
TERRAL TVX81H04	91.1	52.3	0	36	4-19	5-15		
EK EXP110	91.0	55.7	0	38	4-19	5-15		
USG 3430	90.8	54.2	0	39	4-19	5-15		

Table 5. (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-----	
SOUTH. STATES SS520	90.8	54.9	3	34	4-16	5-12	77.6	
SABBE	90.6	54.0	0	36	4-20	5-20	85.9	84.6
PROGENY 145	90.5	54.8	0	38	4-19	5-15	90.0	
DELTA KING 9216	90.4	52.2	0	36	4-21	5-17	87.5	86.8
DIXIE X9812	90.2	54.5	0	37	4-19	5-16		
DELTA GROW 4500	90.0	53.8	0	37	4-17	5-14		
TERRAL TVX82H01	89.9	53.5	0	37	4-19	5-15		
DELTA KING 9027	89.7	54.0	1	37	4-20	5-18	81.2	
TERRAL TV8565	89.6	52.7	0	39	4-18	5-17	88.6	
SOUTH. STATES SS 522	89.4	55.9	0	33	4-19	5-14	81.7	
VA 98W-706	89.4	54.9	1	30	4-19	5-15		
DELTA GROW 5300	89.3	51.6	0	35	4-19	5-14	85.4	79.3
DELTA KING 7900	89.3	54.9	0	39	4-19	5-17	88.5	85.1
ARMOR X5333	89.1	52.1	0	38	4-20	5-16	86.7	
DIXIE 922	89.1	54.0	0	38	4-18	5-16	86.8	84.4
ARMOR X5111	89.0	54.4	0	37	4-19	5-14		
AGS 2000	89.0	55.4	0	35	4-16	5-16	86.3	85.4
HBK 3030	88.9	54.3	0	31	4-21	5-17	88.4	83.0
DELTA GROW 4200	88.9	53.2	0	37	4-19	5-15	90.3	
DIXIE X9013	88.8	52.1	0	37	4-22	5-19		
AR 910-9-1	88.6	54.1	0	36	4-19	5-15	87.0	
AGS 2485	88.3	58.3	0	35	4-17	5-15	80.2	
PIONEER BRAND 26R24	88.2	55.4	0	34	4-18	5-16	83.2	85.5
ARMOR X5222	88.1	53.5	0	37	4-20	5-17	90.0	
AGRIPRO SAVAGE	87.9	56.4	1	32	4-18	5-13	89.7	
DIXIE X9712	87.8	53.4	0	37	4-18	5-15		
LA 90185G3-1-3-4-2	87.8	55.7	0	34	4-19	5-19	77.3	81.0
McCORMICK	87.3	54.5	0	30	4-20	5-15	83.5	
PIONEER 26R58	87.2	54.5	0	33	4-20	5-15	89.0	
ARMOR X5777	87.1	54.6	0	38	4-19	5-15		
USG 3209	87.1	54.4	0	30	4-19	5-13	81.3	79.4
HBK X3106	87.0	56.0	0	39	4-18	5-15		
USG 3350	86.9	52.5	0	36	4-19	5-17		
EK EXP138	86.6	56.5	0	38	4-18	5-14		
GA 931241E16	86.5	55.7	0	37	4-19	5-14		
DELTA KING 155W	86.4	55.4	0	34	4-19	5-16	84.2	83.1
GENESIS VENTURE	86.2	53.0	0	35	4-19	5-16		
NK COKER 9663	86.2	54.5	4	38	4-20	5-18	79.2	77.7
VIGORO TRIBUTE	86.0	55.1	0	31	4-18	5-18	80.3	82.0
ARMOR 4045	85.9	55.3	0	37	4-20	5-18	84.7	81.7
PROGENY 156	85.5	53.1	0	36	4-21	5-17	76.5	79.2
DIXIE X9113	85.4	55.8	0	36	4-24	5-21		
EK EXP180	85.4	55.1	0	35	4-23	5-20		
PROGENY 166	85.3	54.8	0	37	4-19	5-17	89.3	
ARMOR 3035	85.3	53.3	0	38	4-20	5-17	84.8	84.1
GENESIS R043	85.1	55.0	0	39	4-20	5-17		

Table 5. (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-----	
NK COKER 9152	85.0	54.2	0	36	4-17	5-13	84.4	77.1
COYOTE	83.5	54.5	0	34	4-19	5-15		
PIONEER BRAND 26R38	82.6	56.2	0	36	4-19	5-14	72.9	77.1
PIONEER 26R12	82.2	56.2	0	35	4-18	5-16		
TERRAL LA841	82.1	55.5	0	33	4-18	5-15	76.4	77.6
TERRAL TV 8555	82.0	54.8	0	32	4-22	5-17	80.8	81.8
FFR 510	81.8	55.5	8	35	4-16	5-12	72.7	75.8
SOUTH. STATES SS 535	81.8	56.9	0	31	4-19	5-16	80.8	80.0
PAT	81.5	53.5	0	38	4-24	5-20	84.0	83.1
DIXIE 933	80.6	56.2	0	39	4-18	5-16		
AR 839	79.9	52.8	0	37	4-20	5-18	81.7	82.8
AGRIPRO NATCHEZ	78.7	52.2	0	37	4-19	5-16	82.6	83.4
PIONEER BRAND 26R46	76.5	51.7	0	35	4-17	5-15	76.8	81.4
NC96-13156	70.3	53.9	0	32	4-21	5-15		
USG 3709	69.1	51.1	0	35	4-17	5-17	70.5	72.2
Grand mean	88.3	54.2	0	36	4-19	5-16	85.5	81.7
LSD (5%)	8.7	2.9	2	2	2	2	12.9	10.7
C.V. (%)	7.1	3.8	531	4	4	2	7.8	7.6

Ldg = Lodging

Pt ht = Plant height

**HIGH INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 30, 2002
 FERTILIZER....90 lb N/A on Feb. 12, 2003; 60 lb N/A on March 11, 2003;
 HERBICIDE.....2 pt/A Roundup on November 7, 2002
 FUNGICIDE....4 oz/A Tilt
 HARVEST DATE....June 5, 2003
 PRECIPITATION

	Oc	Nov	Dec	Jan	Feb	Mar	Apr	May	Tota
	----- Inches -----								
2002-2003	5.8	2.4	11.6	2.0	10.6	2.5	3.5	4.8	43.2
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	+3.1	-2.0	+7.0	-2.0	+6.6	-2.6	-1.7	+0.1	+8.5

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

Entry Name	Yield	wt	Ldg	Pt	Head	Mat.	2-Yr	3-Yr
	bu/A	lb/bu	%	ht	date	date	avg	avg
	bu/A	lb/bu	%	in			-----bu/A-----	
SABBE	103.6	57.3	0	35	4-19	5-19	98.4	90.8
AGS 2485	103.6	57.9	0	35	4-17	5-15	92.8	
CROPLAN GENET. 554W	103.1	56.3	0	34	4-17	5-13	98.9	93.2
SOUTH. STATES SS 522	102.5	57.1	0	35	4-18	5-14	88.2	87.0
McCORMICK	101.1	57.1	0	30	4-20	5-14	89.5	
AGS 2000	100.9	56.3	0	35	4-15	5-14	93.1	91.5
DELTA GROW 4888	100.1	55.2	0	36	4-18	5-16	93.5	89.1
FFR 556	100.1	57.0	0	34	4-18	5-13	93.9	
TERRAL TV8565	98.9	55.1	0	38	4-18	5-15	93.1	
DELTA KING 9410	98.6	54.3	0	38	4-19	5-16	92.2	
DELTA KING 9216	98.4	57.1	1	38	4-19	5-16	91.3	
TERRAL TVX82H01	98.1	56.2	0	38	4-16	5-16		
GENESIS M86	98.0	55.7	0	37	4-18	5-17		
ARMOR X5222	97.9	56.9	0	37	4-19	5-16	93.7	
COYOTE	97.8	56.0	0	34	4-17	5-15		
PROGENY 166	97.7	57.2	0	37	4-19	5-16	91.8	
DELTA KING 7900	97.7	57.7	0	38	4-18	5-15	94.7	89.2
TERRAL TV 8555	97.7	55.5	0	32	4-20	5-16	89.9	88.5
DIXIE X9812	97.6	57.6	1	39	4-17	5-15		
SOUTH. STATES SS520	97.5	57.2	0	34	4-14	5-11	87.3	
DIXIE 933	97.5	55.1	0	39	4-20	5-16		
ARMOR X5111	97.4	56.9	0	39	4-18	5-14		
VA 98W-706	97.2	57.6	0	32	4-17	5-12		
NK COKER 9152	97.1	56.9	0	39	4-15	5-14	85.6	79.7
PROGENY 156	96.9	55.9	0	37	4-21	5-15	90.0	87.2
ARMOR X5777	96.8	57.6	0	38	4-17	5-16		
AGRIPRO D98*9762	96.7	56.3	0	37	4-16	5-15		
TERRAL TVX81H04	96.5	57.0	0	38	4-18	5-15		

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

Entry Name	Test		Pt Ldg	Head ht	Mat. date	2-Yr avg	3-Yr avg
	Yield	wt					
	bu/A	lb/bu	%	in			-----bu/A-----
CROPLAN GENET. 514W	96.4	56.9	25	36	4-14	5-11	
ARMOR 3035	96.3	56.2	0	38	4-19	5-16	90.4 86.9
SOUTH. STATES SS524	96.3	56.6	0	34	4-15	5-13	91.4
NK COKER 9663	96.2	56.7	3	39	4-16	5-16	86.5 84.5
HBK X3106	96.2	57.8	0	39	4-15	5-15	
TERRAL TV8450	96.1	55.6	0	38	4-18	5-17	89.4
USG 3350	95.8	56.7	0	39	4-17	5-15	
DELTA KING 7777	95.8	56.3	0	38	4-19	5-16	92.9 89.7
DELTA KING 9121	95.4	56.0	0	34	4-18	5-18	84.0 76.2
ARMOR X5333	95.4	57.8	0	39	4-17	5-15	87.0
FFR 510	95.1	57.2	19	36	4-13	5-11	86.0 85.5
TERRAL TVX82H02	95.1	57.1	0	37	4-19	5-16	
SOUTH. STATES SS560	94.8	56.0	0	33	4-19	5-13	
GENESIS R023	94.8	56.7	0	39	4-16	5-15	95.0
DIXIE X9512	94.7	57.5	0	37	4-18	5-16	87.7
AGRIPRO D99-5261	94.7	56.7	0	33	4-20	5-16	
NK B960457	94.6	55.1	0	37	4-18	5-14	
DIXIE 900	94.3	55.3	0	40	4-18	5-16	89.9 86.2
EK EXP138	94.3	57.3	0	37	4-16	5-14	
DELTA KING 9027	94.0	56.0	0	36	4-20	5-16	82.6 80.8
GENESIS R024	94.0	55.7	0	33	4-20	5-15	89.4
AR 910-9-1	94.0	56.1	0	36	4-17	5-15	91.5
GENESIS R033	93.9	56.2	0	37	4-20	5-17	
DELTA GROW 4500	93.8	57.0	0	38	4-19	5-15	
AGRIPRO M98-1661	93.7	57.9	0	32	4-22	5-19	
DELTA GROW 4200	93.6	56.1	0	38	4-18	5-15	90.4
DIXIE X9712	93.3	55.7	0	37	4-19	5-16	
DELTA GROW 5300	93.1	56.1	0	38	4-19	5-15	86.1 82.0
DELTA KING 155W	93.0	55.4	0	35	4-16	5-15	88.4 85.5
GA 931241E16	92.8	57.5	1	36	4-18	5-14	
SOUTH. STATES SS 535	92.7	57.3	0	32	4-21	5-14	86.7 83.9
PAT	92.6	56.7	0	38	4-23	5-19	89.5 87.3
NC96-13156	92.6	57.9	0	32	4-20	5-15	
PIONEER 26R58	92.6	56.5	0	33	4-17	5-15	92.3
PIONEER 26R12	92.5	56.9	0	35	4-19	5-14	
TERRAL TV8466	92.4	57.0	0	34	4-20	5-15	86.3
DIXIE 922	92.2	57.1	0	39	4-19	5-15	88.4 86.0
TERRAL LA841	92.1	56.0	0	34	4-15	5-14	81.1 79.7
AGRIPRO NATCHEZ	91.8	56.9	0	37	4-20	5-15	88.9 86.9
ARMOR X5888	91.5	56.5	0	38	4-18	5-16	
DIXIE X9113	91.3	57.3	0	34	4-20	5-18	
USG 3430	91.3	57.8	0	38	4-18	5-15	
ROANE	91.2	56.3	10	31	4-19	5-17	87.4 83.7
PIONEER BRAND 26R24	91.1	57.0	0	36	4-16	5-11	85.5 88.0
DIXIE X9013	90.9	55.9	0	36	4-20	5-16	
AGRIPRO SHELBY	90.5	57.1	0	36	4-17	5-15	88.2 88.9

Table 6. (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-----	
EK EXP180	90.5	57.3	0	35	4-22	5-18		
PIONEER BRAND 26R46	90.4	56.2	0	35	4-17	5-14	82.3	82.5
LA 90185G3-1-3-4-2	90.0	55.8	0	36	4-17	5-18	84.8	85.8
VIGORO TRIBUTE	89.8	57.6	0	31	4-19	5-17	85.8	86.0
USG 3209	89.6	57.6	1	31	4-17	5-13	80.8	80.2
ARMOR 4045	89.5	57.7	0	38	4-19	5-15	86.9	85.1
AGRIPRO SAVAGE	89.4	56.5	0	33	4-16	5-13	87.4	
PIONEER BRAND 26R38	89.3	56.3	0	37	4-18	5-13	83.3	84.8
EK EXP110	88.3	57.2	0	38	4-18	5-15		
GENESIS R043	88.2	54.9	0	38	4-18	5-15		
AR 839	86.9	55.9	0	36	4-20	5-17	86.0	84.5
USG 3709	85.9	55.9	0	35	4-18	5-16	80.1	79.8
PROGENY 145	85.3	55.9	0	38	4-18	5-14	86.9	
GENESIS VENTURE	84.1	56.4	0	35	4-18	5-15		
HBK 3030	81.4	55.8	0	33	4-19	5-15	82.5	81.1
Grand mean	94.3	56.6	1	36	4-18	5-15	88.8	85.6
LSD (5%)	12.9	2.1	6	2	2	2	10.1	8.7
C.V. (%)	9.9	2.7	655	4	4	2	9.1	8.2

Ldg = Lodging

Pt ht = Plant height

STANDARD INPUT WHEAT TEST
SOUTHWEST RESEARCH & EXTENSION CENTER, HOPE (Lewisville*), AR

SOIL SERIES....Bowie silt loam
 PREVIOUS CROP....Soybeans
 PLANTING DATE....November 11, 2002
 FERTILIZER....300 lb 13-13-13/A on November 11, 2002; 48 lb N/A + 24 lb S/A on March 4,
 2003; 25 lb N/A on March 25, 2003
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....May 30, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2002-2003	9.7	2.2	7.6	0.5	8.5	1.7	2.5	5.1	37.8
Normal	3.3	4.4	4.1	3.8	3.8	4.6	5.6	5.4	35.0
Departure	+6.4	-2.2	+3.5	-3.3	+4.7	-2.9	-2.1	-0.3	+3.8

Table 7. Performance of Wheat Cultivars in Standard Performance Test, Lewisville.

Entry Name	Yield	Test wt	Ldg	Pt ht	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in	%	-----bu/A-----	
GENESIS M86	73.1	51.1	3	36	0		
EK EXP138	71.8	51.6	15	36	1		
ARMOR 3035	71.6	50.8	13	37	0	67.2	65.5
PROGENY 145	69.8	50.3	13	36	0	67.8	
DIXIE X9013	68.3	50.1	5	35	2		
TERRAL TV8466	67.8	51.1	13	35	1	65.9	
GENESIS R043	67.5	50.8	5	37	0		
DIXIE 900	67.2	50.4	8	36	0	69.4	66.5
DIXIE 922	66.6	51.9	5	36	0	63.9	61.4
DELTA KING 9410	66.1	51.8	5	36	0	68.0	
DELTA KING 7900	66.0	51.0	5	35	0	70.1	67.9
EK EXP180	65.6	54.5	0	33	6		
TERRAL TV8450	65.3	51.8	17	34	1	64.9	
AGRIPRO SAVAGE	65.3	53.7	28	34	0	60.0	
PROGENY 156	65.1	50.4	13	34	1	57.7	59.1
DELTA GROW 4500	65.1	51.1	13	34	0		
ARMOR X5777	64.9	51.7	13	37	1		
TERRAL TVX82H02	64.7	50.8	5	36	0		
TERRAL TVX81H04	64.5	50.9	10	37	0		
FFR 510	64.4	51.3	30	34	75	46.3	52.0
ARMOR 4045	64.2	51.5	8	36	0	59.2	61.0
PIONEER BRAND 26R46	64.1	52.4	18	35	2	60.7	59.9
USG 3430	64.1	51.1	5	35	1		
DIXIE X9812	63.8	51.6	13	36	0		
DIXIE X9512	63.6	50.3	10	38	0	67.3	
ARMOR X5111	63.4	51.0	13	36	1		
VA 98W-706	63.4	52.4	18	32	0		

Table 7. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in	%	-----bu/A-----	
USG 3350	63.1	51.3	5	37	1		
PROGENY 166	63.0	50.8	10	36	0	65.0	
AGRIPRO SHELBY	61.9	51.8	15	38	23	54.9	54.8
AGRIPRO NATCHEZ	61.6	51.5	20	33	1	63.9	62.1
LA 90185G3-1-3-4-2	61.5	50.7	15	36	50	51.1	56.8
COYOTE	61.0	52.0	15	33	7		
NK B960457	60.8	50.1	13	35	1		
TERRAL LA841	60.6	50.5	10	37	0	55.0	58.7
GA 931241E16	60.2	53.3	25	35	8		
SOUTH. STATES SS 522	60.1	51.9	18	33	50	52.6	56.8
TERRAL TVX82H01	59.8	50.8	13	36	0		
GENESIS R033	59.5	51.5	3	36	0		
PIONEER 26R58	59.5	50.8	13	33	4	62.1	
DIXIE X9712	59.5	51.1	13	34	0		
VIGORO TRIBUTE	59.5	52.6	20	29	8	54.2	56.1
TERRAL TV8565	59.5	49.8	8	37	0	62.2	
AGRIPRO D99-5261	59.4	51.3	8	29	1		
ARMOR X5222	59.1	50.6	8	36	0	64.6	
HBK 3030	58.4	52.4	15	32	2	54.5	55.4
SOUTH. STATES SS524	57.9	50.2	23	32	12	57.0	
NK COKER 9152	57.8	51.5	23	35	8	60.5	60.2
PIONEER BRAND 26R24	57.6	50.3	25	33	35	56.2	58.8
USG 3209	57.6	51.6	18	30	2	55.8	57.4
DELTA KING 155W	57.6	50.6	13	32	1	65.0	65.0
SOUTH. STATES SS 535	57.6	51.8	23	30	27	51.9	54.3
GENESIS R024	57.5	49.6	10	32	2	57.9	
DIXIE X9113	57.3	53.4	10	34	10		
DIXIE 933	57.2	51.8	10	35	1		
USG 3709	56.9	49.3	3	37	8	54.6	59.0
SOUTH. STATES SS560	56.8	52.1	13	31	12		
ARMOR X5333	56.8	51.2	18	36	0	62.4	
ARMOR X5888	56.7	52.1	5	36	1		
AGRIPRO D98*9762	56.5	51.9	18	36	8		
HBK X3106	56.3	52.2	15	38	14		
AR 839	56.0	50.3	5	35	0	64.3	60.1
SABBE	55.9	50.8	18	36	0	54.0	56.8
ROANE	55.7	52.3	10	30	3	49.1	53.6
PIONEER BRAND 26R38	55.7	50.7	0	38	28	53.5	55.8
GENESIS R023	55.5	52.2	8	37	1	65.8	
TERRAL TV 8555	55.3	51.8	13	33	2	55.6	60.5
DELTA GROW 5300	55.3	50.1	23	33	0	51.2	53.1
DELTA KING 9216	55.2	50.4	18	34	9	57.9	56.7
CROPLAN GENET. 514W	54.9	50.4	25	35	67		
DELTA KING 9027	54.9	49.9	13	35	1	51.6	54.9
NK COKER 9663	54.8	52.1	28	35	2	52.9	54.3
PIONEER 26R12	54.7	52.9	15	34	4		

Table 7. (continued).

Entry Name	Yield	Test wt	Ldg	Pt ht	Strp rust	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in	%	-----bu/A-----	
EK EXP110	54.5	51.7	10	37	1		
DELTA GROW 4888	54.4	51.2	15	37	0	56.9	58.5
DELTA KING 7777	54.3	51.8	15	37	0	53.0	53.9
PAT	54.3	51.0	5	39	0	59.6	57.9
NC96-13156	53.9	51.0	8	32	78		
McCORMICK	52.7	53.4	30	29	1	58.2	
DELTA KING 9121	52.6	51.2	10	29	7	48.4	50.3
DELTA GROW 4200	52.4	48.2	5	36	0	62.4	
GENESIS VENTURE	51.1	50.5	25	32	19		
FFR 556	51.0	50.4	33	32	12	46.0	
AGRIPRO M98-1661	50.9	48.5	23	31	2		
AR 910-9-1	50.4	51.1	18	34	0	53.5	
AGS 2000	50.2	51.9	18	34	10	53.5	57.3
SOUTH. STATES SS520	49.7	51.5	20	36	75	42.1	
CROPLAN GENET. 554W	48.3	50.3	18	33	20	43.9	48.8
AGS 2485	47.3	50.0	5	35	34	45.3	
Grand mean	59.4	51.2	14	35	9	57.7	57.9
LSD (5%)	12.4	2.3	11	2	14	15.1	11.1
C.V. (%)	15.1	3.2	61	5	121	13.7	12.9

Ldg = Lodging
Pt ht = Plant height
Strp rust = stripe rust

*Appreciation to Mr. Gary Cox for allowing this test to be conducted on his farm.

OAT TEST
COTTON BRANCH STATION, MARIANNA, AR

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 23, 2002
 FERTILIZER.... 90 lb N/A + 18 lb S/A on Feb. 13, 2003; 60 lb N/A on March 10, 2003
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....June 12, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2002-2003	4.2	3.3	8.9	0.4	7.1	1.7	2.3	7.4	35.3
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+1.2	-1.1	+4.1	-4.0	+3.0	-3.7	-3.2	+2.2	-1.5

Table 8. Performance of Oat Cultivars, Marianna.

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----	
ARO 258-7	128.1	35.7	36	30	4-22	5-20		
ARO 258-4	111.3	35.8	25	32	4-24	5-22		
SECRETARIAT LA495	111.3	36.7	28	34	4-21	5-23	100.2	91.2
PLOT SPIKE LA9339	111.0	34.3	55	37	4-21	5-23	103.0	99.6
CHAPMAN	110.5	29.7	28	34	4-17	5-26	94.5	83.6
LA 9533D36-5	110.2	32.3	28	34	4-20	5-23		
LA 966BIB-151-1	108.9	33.4	18	34	4-18	5-25		
ARO 213-3	108.0	29.0	26	33	4-25	5-26		
ARO 213-12	105.1	29.1	14	34	4-25	5-26		
FL 9708-P37	104.0	36.0	39	33	4-21	5-23		
ARO 289-9	104.0	36.0	29	40	4-17	5-28	91.9	
LA 989IBI-49	102.0	32.8	18	35	4-22	5-29		
HARRISON	101.2	35.1	43	38	4-19	5-21	97.0	96.0
HORIZON 474	98.1	36.6	63	33	4-18	5-16	88.0	87.4
LA 982IBI-26	97.6	32.2	54	35	4-22	5-25		
HORIZON 314	89.3	30.0	25	36	4-25	6-04	77.2	81.2
Grand mean	106.3	33.4	33	35	4-21	5-24	93.1	89.8
LSD (5%)	13.6	1.4	27	3	1	4	12.9	18.9
C.V. (%)	9.0	3.0	57	5	1	3	9.1	13.3

Ldg = Lodging
 Pt ht = Plant height

OAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 31, 2002
 FERTILIZER....60 lb N/A on Feb. 12, 2003; 40 lb N/A on March 11, 2003;
 HERBICIDE.....2 pt/A Roundup on November 7, 2002
 INSECTICIDE....None
 HARVEST DATE....June 6, 2003
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2002-2003	5.8	2.4	11.6	2.0	10.6	2.5	3.5	4.8	43.2
Normal	2.7	4.4	4.6	4.0	4.0	5.1	5.2	4.7	34.7
Departure	+3.1	-2.0	+7.0	-2.0	+6.6	-2.6	-1.7	+0.1	+8.5

Table 9. 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-----	
SECRETARIAT LA495	132.1	34.4	4	32	4-22	5-15	119.7	117.5
ARO 289-9	132.1	35.1	5	39	4-17	5-16	122.6	
ARO 258-7	129.2	36.5	6	30	4-24	5-15		
LA 982IBI-26	127.9	34.5	19	35	4-20	5-15		
ARO 213-12	127.0	31.7	3	30	4-25	5-16		
LA 989IBI-49	126.7	34.5	1	34	4-24	5-16		
HARRISON	126.5	35.8	15	37	4-20	5-12	116.5	120.4
ARO 213-3	123.9	32.3	0	30	4-26	5-16		
LA 9533D36-5	121.0	31.5	1	34	4-20	5-15		
PLOT SPIKE LA9339	120.9	35.2	8	37	4-21	5-15	110.1	107.8
ARO 258-4	120.7	35.2	0	31	4-24	5-15		
CHAPMAN	118.5	32.5	0	32	4-21	5-14	106.6	110.3
LA 966BIB-151-1	116.1	34.7	9	33	4-19	5-14		
FL 9708-P37	112.4	35.8	14	31	4-23	5-15		
HORIZON 314	111.2	32.2	0	35	4-27	5-21	99.0	110.3
HORIZON 474	109.5	36.3	38	31	4-17	5-10	94.9	95.6
Grand mean	122.2	34.3	8	33	4-22	5-15	109.9	110.3
LSD (5%)	13.5	1.8	11	2	1	2	5.9	16.2
C.V. (%)	7.8	3.8	103	4	2	2	9.8	10.5

Ldg = Lodging
 Pt ht = Plant height

**ACKNOWLEDGMENTS
PARTICIPANTS AND ENTRIES
2002 - 2003 ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS**

Companies

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

AGRIPRO Natchez
AGRIPRO Savage
AGRIPRO Shelby

AGRIPRO DD99-5261
AGRIPRO D98*9762
AGRIPRO M98-1661

AGSouth Genetics
136 Red Oak Ave.
Albany, GA 31721-6340
(229) 881-2700

AGS 2000
AGS 2485

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

Harrison (oat)

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

Dixie 900
Dixie 922
Dixie 933
Dixie 9512

Dixie X9013
Dixie X9712
Dixie X9113
Dixie X9812

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

Croplan Genetics 514W
Croplan Genetics 554W

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

Armor 3035
Armor 4045
Armor X5111
Armor X5222

Armor X5333
Armor X5777
Armor X5888

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

Delta Grow 4200
Delta Grow 4500
Delta Grow 4888
Delta Grow 5300

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 9410

FFR Seed
969 Cloverleaf Dr.
Southhaven, MS 38671
(731) 394-4679

FFR 510
FFR 556

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

Genesis R023
Genesis R024
Genesis R033
Genesis R043

Genesis M86
Genesis Venture

Hornbeck Seed Co., Inc. P.O. Box 472, 210 Drier Rd DeWitt, AR 72042-0472 (870) 946-2087	HBK 3030 HBK 3106		
JGL, Inc. 3540 South US 231 Greencastle, IN 46135 (765) 653-5402	Coyote		
Pioneer , A DuPont Co. 6767 Old Madison Pike # 110 Huntsville, AL 35806 (800) 331-2475	Pioneer Brand 26R58 Pioneer Brand 26R24 Pioneer Brand 26R38	Pioneer Brand 26R46 Pioneer Brand 26R12	
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 145 Progeny 156 Progeny 166 EK Exp 110	EK Exp 138 EK Exp 180	
Ragan & Massey, Inc. 100 Ponchatoula Parkway Ponchatoula, LA 70454 (985) 386-6042	Plot Spike LA9339 (oat)		
Royster-Clark, Inc. 717 Robinson Rd. SC Washington C.H., OH 43160 (740) 869-2181	Vigoro Tribute		
Southern States Coop. P.O. Box 26234 Richmond, VA 23260 (804) 281-1203	Southern States SS 520 Southern States SS 522 Southern States SS 524	Southern States SS 535 Southern States SS 560	
Syngenta Seeds, Inc. P.O. Box 729 Bay, AR 72411 (870) 483-7691	NK Coker 9152 NK Coker 9663 NK B960457		
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254 (318) 559-2840	Terral LA841 Terral TV 8555 Terral TV8565 Terral TV8466	Terral TV8450 Terral TVX81HO4 Terral TVX82HO1 Terral Secretariat LA495 (oat)	Terral TVX82HO2
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211 (800) 505-3133	USG 3209 USG 3430 USG 3709 USG 3350		

Public Institutions

University of Arkansas Department of Agronomy Fayetteville, AR 72701 Dr. Robert Bacon (479) 575-5725	Pat Sabbe AR 839 AR 910-9-1 ARO 213-3 (oat)	ARO 213-12 (oat) ARO 258-7 (oat) ARO 258-4 (oat) AR O289-9 (oat)
University of Florida 155 Research Road Quincy, FL 32351 Dr. Ron Barnett (850) 875-7118	Chapman (oat) FL 9708-P37 (oat)	
University of Georgia UGA-CAES, Griffin Campus Griffin, GA 30223 Dr. Jerry Johnson (770) 228-7321	GA 931241E16	
Louisiana State University Agronomy Department Baton Rouge, LA 70803-2110 Dr. Steve Harrison (225) 578-1308	LA 90185G3-1-3-4-2 LA 9533D36-5 (oat) LA 966BIB-151-1 (oat) LA 989IBI-49 (oat) LA 982IBI-26 (oat)	
North Carolina Fnd. Seed Producers 8220 Riley Hill Road Zebulon, NC 27597 (919) 269-5592	NC96-13156	
Virginia PI & State University P.O. Box 338 - EVAREC Warsaw, VA 22572 (840) 333-3485	McCormick Roane VA98W706	

UofA

UNIVERSITY OF ARKANSAS

DIVISION OF AGRICULTURE