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Arkansas Small-Grain Cultivar Performance tests 2008-2009

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J.T. Kelly, T.S. Rainey, R.K. Bacon and E.A. Milus

ARKANSAS AGRICULTURAL EXPERIMENT STATION

Division of Agriculture

University of Arkansas System

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ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

2008-2009

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R.K. Bacon

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**Arkansas Agricultural Experiment Station
Division of Agriculture
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ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS¹ 2008-2009

J.T. Kelly², T.S. Rainey², R.K. Bacon² and E.A. Milus³

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 Lon Mann Cotton Research Station near Marianna, the Southeast Branch Station near Rohwer, and the Rice Research and Extension Center near Stuttgart. This year the Newport test was conducted on DID Farms in Jackson County. We appreciate the cooperation of DID Farms for the use of their land and resources. Wheat tests were planted at all locations; oat tests were planted at Marianna and Stuttgart.

Two wheat tests were planted 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 92 entries and each oat test contained 10 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 test at Keiser was planted using a grain drill with nine rows, seven inches apart. Due to the larger area planted (plot width), the effective seeding rate was reduced to 82 lb/A. All sites used conventional seed-bed preparation. Plots were end-trimmed and harvested with a plot combine. Bird feeding affected the yield on a number of plots at Kibler. Those plots with significant visual damage were discarded and not used in the yield calculation.

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.

¹Use 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.

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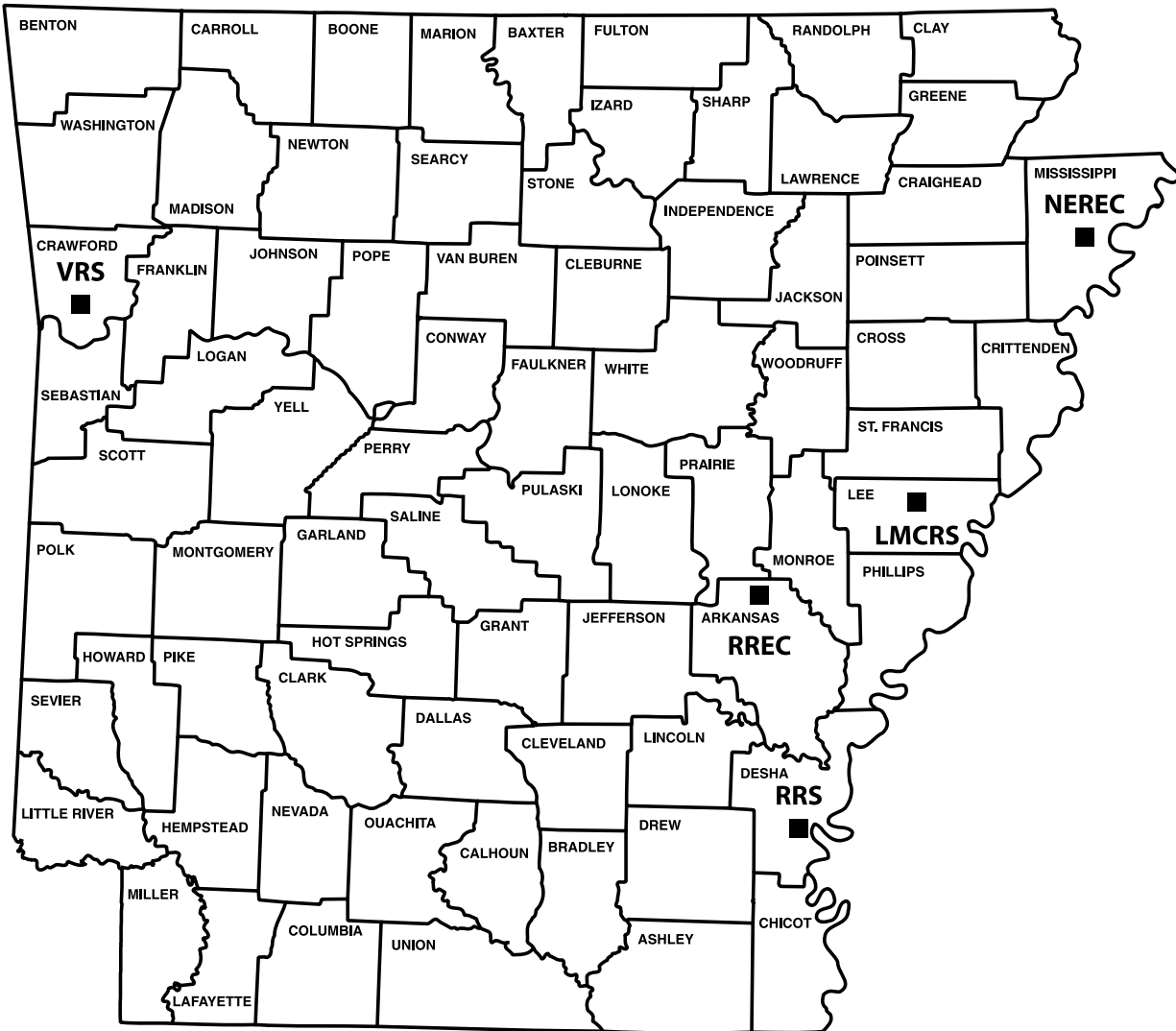
WEATHER SUMMARY

Prior to the planting season, most locations were near normal for soil moisture level. Rainfall was generally above or near normal at all locations throughout the growing season. Several locations did record above normal rainfalls for various months, while other locations recorded a near normal total rainfall for the growing season. Average temperature in late winter allowed for normal spring growth and development at all locations. Monthly rainfall totals from October through May and the departure from normal (30-year average) are given for each test.

RESULTS

Grain yields were poor to average for all locations. The growing season was wet, with most locations having above normal rainfall during the spring. The plots at Kibler and Stuttgart experienced heavy rainfall, hail and high winds from tornadic storms in early May. Due to the results of the 2007 tests, which reflected the consequence of a late freeze, no three year averages are reported with the exception of Rohwer. Fusarium head blight reaction ratings are presented in Table 9 and were compiled by Dr. Gene Milus, David Moon and Peter Rohman. Yields of wheat cultivars at all locations are summarized in Table 1. Grain yields and other agronomic measurements are given in Tables 2-8, along with cultural practice and site information including precipitation summaries. The results from the oat tests are presented in Tables 10-11.

SMALL-GRAIN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna
- NEREC** - Northeast Research and Extension Center, Keiser
- RREC** - Rice Research and Extension Center, Stuttgart
- RRS** - Rohwer Research Station, Rohwer
- VRS** - Vegetable Research Station, Kibler

Table 1. Summary of 2008-09 wheat yields in the Standard and High Input Tests at six Arkansas locations.

Entry Name	Keiser	Kibler	Standard Input			Stuttgart	High Input
			Marianna	Newport	Rohwer		
-----bu/A-----							
AG ALUMNI 1370	61.5	39.1	81.8	40.6	58.1	54.4	51.9
AG ALUMNI 3080	56.6	35.8	86.8	40.7	57.5	56.2	54.4
AGRIPRO/COKER 9804	65.4	37.4	70.8	25.2	51.0	52.3	51.0
AGRIPRO/COKER OAKES	62.7	42.9	81.2	41.3	58.7	54.3	52.4
AGRIPRO/COKER BERETTA	62.0	45.9	87.9	40.6	50.3	55.2	51.0
AGRIPRO/COKER COKER9553	60.8	46.3	82.9	32.5	58.0	50.1	54.3
AGRIPRO/COKER COKER9700	58.1	20.6	87.4	40.1	49.6	52.0	54.3
AGRIPRO/COKER MAGNOLIA	61.4	55.9	76.4	34.6	61.4	54.9	49.8
AGRIPRO/COKER W1377	57.7	48.7	85.9	38.5	50.1	61.4	57.0
AGS 2026	57.7	22.1	89.1	29.5	72.2	69.0	59.4
AGS 2031	55.7	50.5	81.9	43.7	56.6	46.9	51.6
AGS 2050	62.7	39.7	79.3	39.5	65.3	49.4	48.5
AGS 2055	65.5	35.6	86.8	33.6	60.7	50.7	61.8
AGS 2060	62.5	49.3	89.8	42.2	64.7	45.7	48.6
AR97044-10-1	50.8	28.5	87.3	36.6	54.2	52.3	47.7
AR99110W-13-1	61.9	43.7	85.6	46.3	56.0	54.2	58.6
AR99174-5-1	62.0	41.0	82.4	30.1	69.1	45.4	49.4
ARLA1008-12-2-C	69.6	34.7	84.9	29.7	56.9	43.6	60.8
ARLA1120-56-7-C	59.8	39.8	90.5	39.9	57.6	57.3	53.4
ARMOR 360Z	59.8	41.2	80.4	42.8	52.2	54.5	55.0
ARMOR ARX 6202	60.8	43.6	87.2	42.9	53.3	52.9	61.0
ARMOR ARX840	61.8	37.5	84.5	41.5	65.4	66.9	59.8
ARMOR GOLD	62.3	34.6	95.1	34.9	60.1	52.7	54.0
ARMOR RENEGADE	61.6	41.7	88.4	42.1	51.5	58.0	57.5
CROPLAN GENET. 554W	68.5	32.6	77.2	45.7	51.4	49.3	51.9
CROPLAN GENET. 8302	56.4	47.9	83.0	42.2	54.3	50.4	56.7
CROPLAN GENETICS 8868	61.1	31.3	93.9	39.4	60.9	58.2	50.6
DELTA GROW 1600	63.1	40.2	85.0	37.9	58.4	58.8	55.4
DELTA GROW 4500	57.0	34.0	88.6	42.5	65.4	60.7	56.6
DELTA GROW 5200	60.0	42.3	88.1	39.7	54.3	57.3	56.0
DELTA KING DK 9108	65.4	35.4	77.3	42.9	54.8	56.0	56.2
DELTA KING DK 9577	55.0	33.8	83.7	46.0	55.8	55.1	58.5
DIXIE 427	58.2	30.7	91.5	39.6	59.3	56.3	59.7
DIXIE 454	54.1	51.4	84.4	45.6	61.0	53.3	49.1
DIXIE 900	60.7	37.0	83.6	43.7	56.5	62.2	51.9
DIXIE 907	58.4	40.9	81.1	42.3	58.3	61.8	57.3
DIXIE 940	58.3	28.3	88.1	35.5	65.7	56.7	51.3
DIXIE 989	59.8	38.0	81.5	42.1	51.3	56.1	53.1
DIXIE BELL DB2100	55.3	36.6	75.1	39.2	62.3	61.7	50.4
DIXIE BELL DB2125	66.0	44.1	79.1	38.3	56.1	63.8	53.4
DIXIE BELL DB2150	58.9	34.3	84.7	36.0	59.0	62.3	51.6
DIXIE BELL DB7440	63.1	26.9	75.8	40.4	61.5	60.2	56.4
DYNA-GRO 9922	55.4	42.4	88.3	42.6	61.9	58.1	53.9
DYNA-GRO SHIRLEY	61.1	40.7	70.8	41.4	63.4	43.1	47.5
DYNA-GRO BALDWIN	63.1	38.6	85.8	36.7	53.4	41.5	48.7
AGS 2035	63.3	44.3	73.3	45.1	63.8	41.8	54.8
GA 991209-6E33	58.7	36.9	84.1	40.4	62.5	53.3	54.6

Table 1. Continued.

Entry Name	Keiser	Kibler	Standard Input				Stuttgart	High Input
			-----bu/A-----					
GA 991336-6E9	66.1	45.8	84.6	38.3	61.6	48.9	59.1	
GA 991371-6E12	52.1	44.1	86.9	37.8	62.8	49.2	51.4	
HBK 3266	59.7	40.3	84.9	39.4	56.0	50.0	49.7	
HBK 3443	57.9	36.3	81.6	39.5	63.8	52.7	52.2	
HBKX3546	61.4	42.3	87.4	46.3	51.0	31.1	57.9	
JAMESTOWN	66.3	44.3	81.5	43.0	61.4	63.3	63.8	
LA01110D-150	61.5	49.3	88.8	49.6	66.3	54.4	56.5	
LA01110D-181-6-B	59.6	39.9	87.3	37.6	68.4	50.0	51.2	
LA01110D-84-1-C	56.0	34.9	76.8	43.0	59.4	48.4	53.0	
LA01140D-70	58.4	40.3	85.8	37.0	64.8	48.7	50.5	
LA01158D-55-8-B	61.1	33.5	96.0	38.1	58.8	40.0	52.6	
LEGACY LW-117	59.2	41.9	90.9	34.5	60.7	58.0	47.0	
LEGACY LW-262	55.0	39.4	90.9	38.2	50.5	57.1	56.3	
LEGACY LW303	54.4	38.9	80.2	44.8	57.5	59.1	53.9	
LEGACY LW410	58.5	37.0	85.0	42.6	60.5	64.8	57.1	
MERL	58.3	38.3	77.2	31.7	52.5	55.3	55.3	
PAT	52.2	49.3	93.1	41.1	60.4	48.0	49.5	
PIONEER VARIETY 25R63	60.3	42.3	88.0	41.1	59.8	54.7	51.1	
PIONEER VARIETY 26R15	52.6	49.6	85.7	44.4	50.7	55.5	55.4	
PIONEER VARIETY 26R22	63.3	43.8	78.5	45.4	57.8	46.9	55.5	
PIONEER VARIETY 26R87	65.2	47.6	77.5	41.9	58.2	51.9	52.2	
PIONEER VARIETY XW07B	59.7	41.3	82.2	41.9	70.8	62.8	61.1	
PROGENY 117	60.6	38.5	74.4	38.0	58.2	44.4	48.1	
PROGENY 119	58.7	49.6	93.5	46.7	65.0	59.2	54.1	
PROGENY 130	54.6	36.9	81.3	36.7	65.2	44.1	57.7	
PROGENY 136	60.0	35.4	88.3	32.7	63.3	65.5	55.0	
PROGENY 166	64.5	40.0	81.4	38.9	68.1	62.1	48.5	
PROGENY 185	62.5	47.9	90.7	35.9	70.3	63.7	57.1	
ROANE	70.3	37.6	87.4	31.7	40.4	48.2	51.0	
SABBE	59.8	37.8	88.9	42.5	54.7	58.9	57.1	
TAMsoft 700	54.7	27.0	85.8	32.2	60.3	40.1	50.0	
TERRAL LA841	65.4	41.9	75.0	34.3	58.5	58.1	57.0	
TERRAL TV8170	57.3	31.6	86.1	39.5	62.6	56.5	57.0	
TERRAL TV8558	56.8	41.6	85.2	34.3	53.2	54.5	55.7	
TERRAL TV8589	62.8	41.1	90.2	41.4	62.8	55.4	65.5	
USG 3209	58.3	34.9	87.4	45.1	56.6	45.5	55.2	
USG 3295	63.8	48.4	77.7	45.4	61.3	51.2	57.6	
USG 3409	57.6	39.0	91.6	28.9	55.7	60.1	49.9	
USG 3555	64.9	55.0	79.2	45.1	59.0	58.7	57.9	
USG 3665	63.0	38.1	80.0	38.7	58.1	58.3	61.1	
USG 3770	65.3	40.7	83.0	41.8	61.2	43.7	56.8	
VA04W-259	62.4	40.5	85.3	38.3	62.5	48.9	48.6	
VA04W-90	62.5	41.1	70.8	48.7	66.1	63.6	55.3	
Grand mean	60.3	39.9	84.2	39.7	59.1	54.0	54.3	
LSD (5%)	13.1	8.8	14.7	12.0	9.1	6.7	11.1	
C.V. (%)	15.6	16.0	12.6	21.8	11.1	8.9	14.7	

**STANDARD INPUT WHEAT TEST
NORTHEAST RESEARCH & EXTENSION CENTER, KEISER, ARK.**

SOIL SERIES....Sharkey silty clay
 PREVIOUS CROP...Fallow
 PLANTING DATE....October 20, 2008
 FERTILIZER....70 lb N/A on March 10, 2009; 70 lb N/A on March 30, 2009
 HERBICIDE....0.5 oz Finesse 75 DF + 32 oz/A glyphosate was applied immediately following planting. 16.4 oz Axil +
 0.75 oz/A Harmony Extra on March 16, 2009
 INSECTICIDE....None
 HARVEST DATE....June 22, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	3.1	2.1	4.0	3.9	2.4	4.4	6.2	7.1	33.2
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	+0.7	-2.0	-0.7	+0.5	-0.6	-0.4	+1.1	+1.8	+0.4

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

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
ROANE	70.3	54.5	31	4-25	66.6
ARLA1008-12-2-C	69.6	55.4	33	4-23	
CROPLAN GENET. 554W	68.5	57.1	31	4-24	71.8
JAMESTOWN	66.3	58.5	33	4-21	71.1
GA 991336-6E9	66.1	56.5	32	4-24	
DIXIE BELL DB2125	66.0	56.4	34	4-23	59.3
AGS 2055	65.5	54.9	35	4-25	70.0
DELTA KING DK 9108	65.4	55.9	35	4-20	63.1
TERRAL LA841	65.4	54.5	30	4-22	66.5
AGRIPRO/COKER 9804	65.4	54.5	34	4-21	67.1
USG 3770	65.3	56.1	36	4-23	
PIONEER VAR. 26R87	65.2	56.3	32	4-19	63.4
USG 3555	64.9	54.9	30	4-21	68.4
PROGENY 166	64.5	56.0	33	4-24	65.9
USG 3295	63.8	56.3	31	4-22	69.4
AGS 2035	63.3	56.4	36	4-20	67.2
PIONEER VAR. 26R22	63.3	59.1	34	4-24	64.0
DELTA GROW 1600	63.1	57.0	33	4-24	65.6
DIXIE BELL DB7440	63.1	55.3	35	4-21	63.3
DYNA-GRO BALDWIN	63.1	56.9	37	4-26	66.4
USG 3665	63.0	55.0	36	4-25	63.9
TERRAL TV8589	62.8	56.3	33	4-25	73.2
AGRIPRO/COKER OAKES	62.7	56.1	31	4-20	
AGS 2050	62.7	57.4	27	4-25	65.7
VA04W-90	62.5	55.8	33	4-21	
PROGENY 185	62.5	55.9	34	4-21	66.1
AGS 2060	62.5	56.2	31	4-25	65.4
VA04W-259	62.4	54.6	31	4-24	
ARMOR GOLD	62.3	54.4	29	4-22	67.7
AGRIPRO/COKER BERETTA	62.0	54.8	33	4-25	66.9
AR99174-5-1	62.0	55.5	31	4-25	
AR99110W-13-1	61.9	58.2	33	4-27	
ARMOR ARX840	61.8	55.5	34	4-25	

Table 2. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
ARMOR RENEGADE	61.6	55.2	32	4-23	65.0
LA01110D-150	61.5	55.0	31	4-21	
AG ALUMNI 1370	61.5	56.1	32	4-24	
AGRIPRO/COKER MAGNOLIA	61.4	56.8	34	4-24	70.4
HBKX3546	61.4	57.3	28	4-26	
LA01158D-55-8-B	61.1	56.5	26	4-20	
DYNA-GRO SHIRLEY	61.1	55.1	31	4-24	66.4
CROPLAN GENET. 8868	61.1	56.3	31	4-25	
ARMOR ARX 6202	60.8	55.2	31	4-27	65.4
AGRIPRO/COKER COKER9553	60.8	57.0	35	4-19	66.0
DIXIE 900	60.7	56.8	33	4-23	57.0
PROGENY 117	60.6	54.8	34	4-23	69.1
PIONEER VAR. 25R63	60.3	55.7	31	4-23	
DELTA GROW 5200	60.0	55.2	35	4-24	63.1
PROGENY 136	60.0	56.1	32	4-24	
ARLA1120-56-7-C	59.8	55.5	30	4-21	
DIXIE 989	59.8	55.6	32	4-25	65.0
SABBE	59.8	54.4	32	4-26	61.6
ARMOR 360Z	59.8	54.3	33	4-25	64.0
PIONEER VARIETY XW07B	59.7	53.4	34	4-25	
HBK 3266	59.7	56.3	33	4-21	65.5
LA01110D-181-6-B	59.6	57.1	35	4-20	
LEGACY LW-117	59.2	55.1	31	4-27	57.2
DIXIE BELL DB2150	58.9	54.6	34	4-21	62.0
GA 991209-6E33	58.7	55.8	30	4-21	
PROGENY 119	58.7	56.4	33	4-26	
LEGACY LW410	58.5	57.0	33	4-24	
DIXIE 907	58.4	56.1	35	4-25	62.4
LA01140D-70	58.4	57.8	37	4-18	
USG 3209	58.3	56.0	29	4-19	60.9
MERL	58.3	57.7	32	4-23	
DIXIE 940	58.3	54.7	37	4-23	65.0
DIXIE 427	58.2	52.6	35	4-23	67.2
AGRIPRO/COKER COKER9700	58.1	54.4	32	4-19	62.5
HBK 3443	57.9	53.1	32	4-23	66.0
AGRIPRO/COKER W1377	57.7	55.9	35	4-27	69.0
AGS 2026	57.7	55.3	30	4-20	63.3
USG 3409	57.6	56.3	34	4-25	
TERRAL TV8170	57.3	53.9	34	4-23	63.0
DELTA GROW 4500	57.0	56.0	36	4-23	
TERRAL TV8558	56.8	55.7	35	4-24	63.1
AG ALUMNI 3080	56.6	54.9	30	4-23	
CROPLAN GENET. 8302	56.4	56.7	32	4-25	68.6
LA01110D-84-1-C	56.0	56.2	36	4-18	
AGS 2031	55.7	55.6	32	4-22	63.7
DYNA-GRO 9922	55.4	56.7	32	4-24	
DIXIE BELL DB2100	55.3	57.2	32	4-26	66.4
DELTA KING DK 9577	55.0	54.2	33	4-23	60.1
LEGACY LW-262	55.0	54.2	32	4-26	59.2
TAMsoft 700	54.7	55.8	29	4-20	61.8
PROGENY 130	54.6	55.6	36	4-21	

Table 2. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
LEGACY LW303	54.4	54.5	32	4-25	
DIXIE 454	54.1	54.9	30	4-25	62.8
PIONEER VAR. 26R15	52.6	55.7	35	4-24	66.0
PAT	52.2	55.7	32	4-27	56.0
GA 991371-6E12	52.1	55.2	32	4-25	
AR97044-10-1	50.8	55.2	34	4-24	
Grand mean	60.3	55.7	33	4-23	
LSD (5%)	13.1	3.1	3	2	
C.V. (%)	15.6	4.0	7	7	

Pt ht = Plant height.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

**STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, ARK.**

SOIL SERIES....Roxanna silt loam

PREVIOUS CROP...Fallow

PLANTING DATE....October 31, 2008

FERTILIZER...21 lb N/A + 24 lb S/A on Feb. 20, 2009; 69 lb N/A on March 5, 2009

HERBICIDE....None

INSECTICIDE....None

HARVEST DATE....June 19, 2009

PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	3.7	2.0	3.1	3.5	1.8	3.5	4.9	8.9	31.4
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	+0.4	-1.2	+0.3	+1.1	-0.9	-0.4	+0.5	+4.3	+4.3

Table 3. Performance of Wheat Cultivars in the Standard Input Test, Kibler.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
AGRIPRO/COKER MAGNOLIA	55.9	54.0	1	36	4-21	64.8
USG 3555	55.0	55.0	11	39	4-22	63.7
DIXIE 454	51.4	54.8	3	40	4-21	57.1
AGS 2031	50.5	53.2	10	40	4-22	61.6
PROGENY 119	49.6	53.4	0	37	4-22	
PIONEER VAR 26R15	49.6	50.6	0	38	4-22	62.9
LA01110D-150	49.3	54.1	5	37	4-24	
AGS 2060	49.3	54.8	0	38	4-22	61.0
PAT	49.3	53.9	0	38	4-21	57.9
AGRIPRO/COKER W1377	48.7	52.2	16	35	4-22	61.5
USG 3295	48.4	53.0	29	39	4-21	65.0
PROGENY 185	47.9	51.9	3	39	4-21	58.9
CROPLAN GENET. 8302	47.9	53.1	1	38	4-23	59.3
PIONEER VAR 26R87	47.6	56.0	1	36	4-22	54.2
AGRIPRO/ COKER9553	46.3	56.5	0	38	4-21	52.1
AGRIPRO/COKER BERETTA	45.9	50.1	10	37	4-22	62.5
GA 991336-6E9	45.8	53.5	0	38	4-20	
JAMESTOWN	44.3	54.5	15	36	4-22	56.9
AGS 2035	44.3	54.6	15	38	4-21	54.1
DIXIE BELL DB2125	44.1	52.0	33	36	4-22	46.4
GA 991371-6E12	44.1	54.4	1	37	4-22	
PIONEER VAR 26R22	43.8	52.8	31	39	4-24	58.4
AR99110W-13-1	43.7	50.0	1	37	4-23	
ARMOR ARX 6202	43.6	52.7	26	37	4-22	59.0
AGRIPRO/COKER OAKES	42.9	54.3	34	35	4-19	
DYNA-GRO 9922	42.4	53.6	8	39	4-23	
HBKX3546	42.3	55.4	0	40	4-22	
DELTA GROW 5200	42.3	51.2	30	36	4-21	53.0
PIONEER VAR 25R63	42.3	52.5	43	37	4-25	
TERRAL LA841	41.9	52.3	3	37	4-23	54.0
LEGACY LW-117	41.9	51.2	9	38	4-23	47.0
ARMOR RENEGADE	41.7	51.8	33	37	4-23	58.4
TERRAL TV8558	41.6	52.8	5	38	4-21	52.2
PIONEER VAR XW07B	41.3	52.8	41	39	4-23	

Table 3. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
ARMOR 360Z	41.2	51.4	5	37	4-21	58.0
VA04W-90	41.1	54.9	1	38	4-22	
TERRAL TV8589	41.1	53.5	16	37	4-22	57.4
AR99174-5-1	41.0	55.1	1	41	4-22	
DIXIE 907	40.9	52.0	38	39	4-25	51.3
USG 3770	40.7	53.8	6	36	4-23	
DYNA-GRO SHIRLEY	40.7	52.5	16	36	4-22	60.4
VA04W-259	40.5	51.8	60	36	4-22	
HBK 3266	40.3	54.8	26	36	4-21	54.2
LA01140D-70	40.3	55.2	16	36	4-21	
DELTA GROW 1600	40.2	52.7	24	36	4-22	55.8
PROGENY 166	40.0	52.6	3	36	4-22	46.4
LA01110D-181-6-B	39.9	54.1	8	36	4-22	
ARLA1120-56-7-C	39.8	53.9	17	37	4-24	
AGS 2050	39.7	53.8	3	38	4-24	55.3
LEGACY LW-262	39.4	53.6	23	36	4-22	49.4
AG ALUMNI 1370	39.1	52.3	29	37	4-22	
USG 3409	39.0	53.9	6	38	4-24	
LEGACY LW303	38.9	54.6	3	38	4-25	
DYNA-GRO BALDWIN	38.6	55.4	5	36	4-22	58.4
PROGENY 117	38.5	54.9	16	38	4-26	45.7
MERL	38.3	55.5	20	36	4-24	
USG 3665	38.1	55.0	0	35	4-22	55.0
DIXIE 989	38.0	52.8	1	37	4-23	55.4
SABBE	37.8	53.2	23	37	4-22	44.3
ROANE	37.6	55.6	44	37	4-21	57.3
ARMOR ARX840	37.5	53.6	9	37	4-20	
AGRIPRO/COKER 9804	37.4	54.2	24	38	4-22	49.4
LEGACY LW410	37.0	54.0	19	38	4-23	37.0
DIXIE 900	37.0	54.0	20	38	4-23	46.3
GA 991209-6E33	36.9	53.3	4	36	4-23	
PROGENY 130	36.9	55.5	38	37	4-21	
DIXIE BELL DB2100	36.6	53.5	29	37	4-24	55.8
HBK 3443	36.3	52.8	19	38	4-23	52.6
AG ALUMNI 3080	35.8	51.9	36	35	4-25	
AGS 2055	35.6	53.5	41	37	4-21	53.8
DELTA KING DK 9108	35.4	53.0	19	38	4-21	37.9
PROGENY 136	35.4	54.0	1	35	4-21	
LA01110D-84-1-C	34.9	53.4	9	35	4-22	
USG 3209	34.9	51.8	23	40	4-24	51.6
ARLA1008-12-2-C	34.7	53.6	19	37	4-22	
ARMOR GOLD	34.6	54.8	30	37	4-22	52.4
DIXIE BELL DB2150	34.3	52.8	10	36	4-22	38.2
DELTA GROW 4500	34.0	54.3	25	38	4-24	
DELTA KING DK 9577	33.8	53.7	15	35	4-24	39.1
LA01158D-55-8-B	33.5	55.0	1	38	4-23	
CROPLAN GENET. 554W	32.6	55.0	34	37	4-21	49.0
TERRAL TV8170	31.6	54.7	3	38	4-23	48.8
CROPLAN GENET. 8868	31.3	54.3	0	38	4-22	
DIXIE 427	30.7	53.5	33	37	4-24	52.5
AR97044-10-1	28.5	55.0	18	40	4-24	

Table 3. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
DIXIE 940	28.3	55.0	3	35	4-22	43.5
TAMsoft 700	27.0	55.0	3	36	4-21	44.6
DIXIE BELL DB7440	26.9	55.0	8	36	4-22	32.1
AGS 2026	22.1	53.6	0	35	4-21	38.1
AGRIPRO/COKER9700	20.6	54.1	3	35	4-22	41.8
Grand mean	39.9	53.6	15	37	4-22	
LSD (5%)	8.8	2.8	27	3	3	
C.V. (%)	16.0	3.8	132	7	5	

Ldg = Lodging.

Pt ht = Plant height.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

**STANDARD INPUT WHEAT TEST
LON MANN COTTON RESEARCH STATION, MARIANNA, AR**

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 27, 2008
 FERTILIZER.... 90 lb N/A + 24 lb/S/A on March 2, 2009; 60 lb N/A on March 18, 2009
 HERBICIDE....4.7oz/A Osprey + 0.6 oz/A Harmony Extra on February 16, 2009
 INSECTICIDE....None
 HARVEST DATE....June 2, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	2.9	2.2	7.8	3.4	4.0	5.5	3.8	13.0	42.6
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	-0.1	-2.2	+3.0	-1.0	-0.1	+0.1	-1.7	+7.8	+5.8

Table 4. Performance of Wheat Cultivars In the Standard Input Test, Marianna.

Entry Name	Yield	Test wt	Ldg	Head date	2-yr avg
	bu/A	lb/bu	%		bu/A
LA01158D-55-8-B	96.0	55.5	0	4-04	
ARMOR GOLD	95.1	57.5	0	4-08	89.2
CROPLAN GENET. 8868	93.9	55.5	0	4-15	
PROGENY 119	93.5	58.9	1	4-16	
PAT	93.1	53.5	0	4-19	89.0
USG 3409	91.6	57.0	1	4-13	
DIXIE 427	91.5	55.9	3	4-13	85.1
LEGACY LW-262	90.9	56.9	0	4-18	86.4
LEGACY LW-117	90.9	57.6	2	4-16	86.1
PROGENY 185	90.7	56.1	1	4-12	90.5
ARLA1120-56-7-C	90.5	56.4	0	4-09	
TERRAL TV8589	90.2	52.5	1	4-15	85.8
AGS 2060	89.8	59.0	1	4-11	90.6
AGS 2026	89.1	55.7	1	4-06	90.9
SABBE	88.9	55.9	2	4-15	82.5
LA01110D-150	88.8	55.2	0	4-05	
DELTA GROW 4500	88.6	54.5	2	4-15	
ARMOR RENEGADE	88.4	55.1	0	4-13	83.5
DYNA-GRO 9922	88.3	57.2	0	4-13	
PROGENY 136	88.3	55.7	1	4-14	
DELTA GROW 5200	88.1	56.2	2	4-15	84.0
DIXIE 940	88.1	54.1	0	4-14	89.7
PIONEER VAR. 25R63	88.0	55.9	0	4-13	
AGRIPRO/COKER BERETTA	87.9	57.9	2	4-16	84.0
ROANE	87.4	55.4	22	4-17	84.2
AGRIPRO/COKER 9700	87.4	56.7	0	4-07	86.8
HBKX3546	87.4	56.3	0	4-15	
USG 3209	87.4	56.9	0	4-07	88.0
AR97044-10-1	87.3	55.9	2	4-12	
LA01110D-181-6-B	87.3	56.2	0	4-06	
ARMOR ARX 6202	87.2	56.1	1	4-18	89.4
GA 991371-6E12	86.9	55.9	0	4-12	

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	2-yr avg
	bu/A	lb/bu	%		bu/A
AG ALUMNI 3080	86.8	53.8	0	4-13	
AGS 2055	86.8	56.8	1	4-14	81.5
TERRAL TV8170	86.1	54.7	1	4-12	85.0
AGRIPRO/COKER W1377	85.9	56.7	5	4-18	79.2
LA01140D-70	85.8	53.6	0	4-05	
TAMsoft 700	85.8	56.5	1	4-06	80.0
DYNA-GRO BALDWIN	85.8	55.2	0	4-15	91.0
PIONEER VAR. 26R15	85.7	57.7	0	4-16	87.8
AR99110W-13-1	85.6	55.7	0	4-18	
VA04W-259	85.3	56.5	4	4-14	
TERRAL TV8558	85.2	57.3	1	4-14	88.0
DELTA GROW 1600	85.0	54.5	3	4-15	81.7
LEGACY LW410	85.0	55.1	1	4-14	
HBK 3266	84.9	53.7	0	4-09	87.0
ARLA1008-12-2-C	84.9	54.8	0	4-11	
DIXIE BELL DB2150	84.7	53.4	2	4-13	80.8
GA 991336-6E9	84.6	52.3	0	4-11	
ARMOR ARX840	84.5	54.8	3	4-15	
DIXIE 454	84.4	55.3	0	4-15	90.7
GA 991209-6E33	84.1	53.1	0	4-05	
DELTA KING DK 9577	83.7	55.1	1	4-13	82.5
DIXIE 900	83.6	54.2	1	4-14	81.6
CROPLAN GENET. 8302	83.0	54.3	0	4-14	85.2
USG 3770	83.0	55.2	2	4-11	
AGRIPRO/COKER 9553	82.9	53.2	0	4-07	86.1
AR99174-5-1	82.4	55.0	0	4-15	
PIONEER VAR. XW07B	82.2	54.7	0	4-12	
AGS 2031	81.9	54.1	0	4-08	89.4
AG ALUMNI 1370	81.8	53.3	1	4-16	
HBK 3443	81.6	56.3	1	4-14	85.5
DIXIE 989	81.5	56.0	1	4-16	79.3
JAMESTOWN	81.5	56.8	0	4-05	85.4
PROGENY 166	81.4	57.5	2	4-14	86.4
PROGENY 130	81.3	53.3	3	4-12	
AGRIPRO/COKER OAKES	81.2	56.8	0	4-13	
DIXIE 907	81.1	55.1	3	4-16	80.9
ARMOR 360Z	80.4	52.5	0	4-14	84.7
LEGACY LW303	80.2	52.9	0	4-14	
USG 3665	80.0	57.0	0	4-15	86.5
AGS 2050	79.3	54.9	1	4-11	81.0
USG 3555	79.2	51.5	1	4-10	88.0
DIXIE BELL DB2125	79.1	55.4	5	4-15	75.9
PIONEER VAR. 26R22	78.5	56.6	0	4-13	79.9
USG 3295	77.7	56.6	0	4-09	86.3
PIONEER VAR. 26R87	77.5	52.7	0	4-03	83.0
DELTA KING DK 9108	77.3	57.0	4	4-10	80.3
AGS 2035	77.3	51.9	0	4-09	86.0
MERL	77.2	51.9	0	4-12	
CROPLAN GENET. 554W	77.2	53.3	1	4-13	80.4
LA01110D-84-1-C	76.8	55.4	0	4-03	

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	2-yr avg
	bu/A	lb/bu	%		bu/A
AGRIPRO/COKER MAGNOLIA	76.4	53.7	0	4-14	80.9
DIXIE BELL DB7440	75.8	54.6	4	4-12	77.5
DIXIE BELL DB2100	75.1	52.3	0	4-15	82.7
TERRAL LA841	75.0	52.0	0	4-05	72.0
PROGENY 117	74.4	53.8	2	4-10	81.1
VA04W-90	70.8	55.2	1	4-10	
AGRIPRO/COKER 9804	70.8	54.5	1	4-10	74.3
DYNA-GRO SHIRLEY	70.8	55.2	1	4-15	86.0
Grand mean	84.2	55.2	1	4-12	
LSD (5%)	14.7	4.5	4	2	
C.V. (%)	12.6	5.9	231	4	

Ldg = Lodging.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

**STANDARD INPUT WHEAT TEST
NEWPORT, ARK.**

SOIL SERIES....Beulah fine sandy loam
 PREVIOUS CROP...Soybean
 PLANTING DATE....November 5, 2008
 FERTILIZER....65 lb N/A+ 24 lb/A Sulfur Feb. 16, 2009; 56 lb N/A on March 19, 2009
 HERBICIDE.... 1 qt/A Prowl on December 1, 2008
 INSECTICIDE....None
 HARVEST DATE....June 24, 2009
 PRECIPITATION....

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	3.5	1.8	3.5	3.3	3.4	6.0	7.1	8.8	37.4
Normal	3.7	5.5	4.7	3.5	3.4	4.9	5.0	4.8	35.5
Departure	-0.2	-3.7	-1.2	-0.2	0.0	+1.1	+2.1	+4.0	+1.9

Table 5. Performance of Wheat Cultivars In the Standard Input Test, Newport.

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
LA01110D-150	49.6	55.7	37	4-26	
VA04W-90	48.7	54.3	33	4-27	
PROGENY 119	46.7	54.8	35	4-27	
HBKX3546	46.3	60.1	34	4-27	
AR99110W-13-1	46.3	50.2	34	4-30	
DELTA KING DK 9577	46.0	51.1	35	4-24	63.3
CROPLAN GENET. 554W	45.7	52.9	31	4-26	
DIXIE 454	45.6	54.1	34	4-28	63.6
USG 3295	45.4	52.7	33	4-27	64.3
PIONEER VAR. 26R22	45.4	53.3	35	4-23	64.3
USG 3555	45.1	53.2	31	4-25	67.0
USG 3209	45.1	55.0	32	4-28	63.6
AGS 2035	45.1	55.2	37	4-27	63.6
LEGACY LW303	44.8	54.8	33	4-26	
PIONEER VAR. 26R15	44.4	55.4	35	4-27	65.0
DIXIE 900	43.7	52.3	39	4-27	56.5
AGS 2031	43.7	55.2	32	4-25	63.4
LA01110D-84-1-C	43.0	54.1	37	4-23	
JAMESTOWN	43.0	58.3	32	4-23	59.3
DELTA KING DK 9108	42.9	56.9	37	4-25	52.9
ARMOR ARX 6202	42.9	59.3	34	4-29	59.0
ARMOR 360Z	42.8	53.6	35	4-26	61.0
DYNA-GRO 9922	42.6	52.7	34	4-26	
LEGACY LW410	42.6	56.3	35	4-25	
SABBE	42.5	54.1	35	4-30	52.5
DELTA GROW 4500	42.5	60.8	38	4-28	
DIXIE 907	42.3	49.9	38	4-28	57.2
AGS 2060	42.2	56.8	38	4-27	55.6
CROPLAN GENET. 8302	42.2	52.8	35	4-27	64.0
ARMOR RENEGADE	42.1	53.6	34	4-25	55.0
DIXIE 989	42.1	58.3	35	4-27	60.5
PIONEER VAR. XW07B	41.9	55.3	35	4-26	
PIONEER VAR. 26R87	41.9	57.7	33	4-22	59.9

Table 5. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
USG 3770	41.8	54.4	35	4-23	
ARMOR ARX840	41.5	55.1	36	4-25	
DYNA-GRO SHIRLEY	41.4	53.0	31	4-27	66.1
TERRAL TV8589	41.4	52.9	35	4-28	54.7
AGRIPRO/COKER OAKES PAT	41.3	53.7	34	4-26	
PAT	41.1	52.1	35	5-1	54.5
PIONEER VAR. 25R63	41.1	53.0	34	4-26	
AG ALUMNI 3080	40.7	55.8	31	4-25	
AGRIPRO/COKER BERETTA	40.6	52.8	33	4-27	57.1
AG ALUMNI 1370	40.6	49.9	34	4-27	
GA 991209-6E33	40.4	54.5	35	4-23	
DIXIE BELL DB7440	40.4	51.7	39	4-26	53.1
AGRIPRO/COKER 9700	40.1	56.2	33	4-23	56.8
ARLA1120-56-7-C	39.9	55.8	29	4-28	
DELTA GROW 5200	39.7	53.4	36	4-29	52.2
DIXIE 427	39.6	58.3	34	4-24	55.5
TERRAL TV8170	39.5	52.6	37	4-26	60.8
HBK 3443	39.5	58.6	34	4-27	57.1
AGS 2050	39.5	59.3	33	4-25	57.0
CROPLAN GENET. 8868	39.4	53.7	34	4-25	
HBK 3266	39.4	57.3	36	4-26	54.9
DIXIE BELL DB2100	39.2	52.1	36	4-27	61.9
PROGENY 166	38.9	51.0	38	4-26	51.9
USG 3665	38.7	53.5	35	4-26	58.2
AGRIPRO/COKER W1377	38.5	57.0	33	4-29	56.0
GA 991336-6E9	38.3	56.6	34	4-27	
VA04W-259	38.3	54.7	32	4-27	
DIXIE BELL DB2125	38.3	51.8	38	4-27	54.3
LEGACY LW-262	38.2	53.6	36	4-29	55.0
LA01158D-55-8-B	38.1	58.3	32	4-24	
PROGENY 117	38.0	54.7	37	4-23	59.0
DELTA GROW 1600	37.9	55.4	38	4-29	58.1
GA 991371-6E12	37.8	57.7	34	4-26	
LA01110D-181-6-B	37.6	50.7	37	4-26	
LA01140D-70	37.0	56.2	39	4-26	
DYNA-GRO BALDWIN	36.7	54.9	39	5-1	54.0
PROGENY 130	36.7	56.0	34	4-23	
AR97044-10-1	36.6	57.8	34	4-27	
DIXIE BELL DB2150	36.0	50.9	39	4-26	52.1
PROGENY 185	35.9	54.9	32	4-23	56.0
DIXIE 940	35.5	56.9	36	4-25	54.1
ARMOR GOLD	34.9	56.5	33	4-24	53.0
AGRIPRO/COKER MAGNOLIA	34.6	57.9	36	4-29	52.7
LEGACY LW-117	34.5	57.6	36	4-27	44.9
TERRAL TV8558	34.3	50.3	35	4-26	56.1
TERRAL LA841	34.3	57.5	32	4-25	49.3
AGS 2055	33.6	57.0	36	4-26	52.2
PROGENY 136	32.7	53.6	34	4-26	
AGRIPRO/COKER 9553	32.5	55.0	34	4-26	53.2
TAMsoft 700	32.2	58.0	33	4-23	51.4
ROANE	31.7	55.6	31	4-28	50.1

Table 5. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	in		bu/A
MERL	31.7	54.4	33	4-24	
AR99174-5-1	30.1	54.8	34	4-29	
ARLA1008-12-2-C	29.7	57.0	34	4-27	
AGS 2026	29.5	54.5	32	4-23	51.0
USG 3409	28.9	53.9	34	4-25	
AGRIPRO/COKER 9804	25.2	57.0	35	4-27	47.1
Grand mean	39.7	54.9	35		
LSD (5%)	12.0	5.3	2		
C.V. (%)	21.8	7.0	4		

Pt ht = Plant height.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

**STANDARD INPUT WHEAT TEST
SOUTHEAST BRANCH STATION, ROHWER, ARK.**

SOIL SERIES....Sharkey/Desha silt loam
 PREVIOUS CROP...Corn
 PLANTING DATE....October 22, 2008
 FERTILIZER.... 60 lb N/A + 24 lb S/A on Feb. 16, 2009; 70 lb N/A on March 23, 2009.
 HERBICIDE....0.6 oz/A Harmony Extra + 16 oz/A Axial XL on Feb. 26, 2009
 INSECTICIDE....None
 HARVEST DATE....June 11, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	2.0	1.5	8.1	2.5	2.5	5.0	4.0	11.4	37.0
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	-2.5	-4.1	+1.4	-0.9	-3.0	-0.2	+0.5	+6.7	+-2.1

Table 6. Performance of Wheat Cultivars in the Standard Input Test, Rohwer.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg	3-yr avg
	bu/A	lb/bu	%	in		bu/A	
AGS 2026	72.2	54.0	0	40	4-09	85.5	72.2
PIONEER VAR. XW07B	70.8	53.2	1	41	4-15		
PROGENY 185	70.3	52.5	0	40	4-10	84.5	89.1
AR99174-5-1	69.1	52.6	0	40	4-12		
LA01110D-181-6-B	68.4	51.8	0	40	4-07		
PROGENY 166	68.1	52.0	2	43	4-10	80.3	83.6
LA01110D-150	66.3	54.3	1	40	4-05		
VA04W-90	66.1	54.1	0	40	4-09		
DIXIE 940	65.7	52.0	1	43	4-10	88.6	
DELTA GROW 4500	65.4	50.1	1	43	4-11	79.5	
ARMOR ARX840	65.4	50.0	0	41	4-10		
AGS 2050	65.3	52.5	1	39	4-10	79.7	83.9
PROGENY 130	65.2	53.5	1	41	4-12		
PROGENY 119	65.0	53.6	0	40	4-12		
LA01140D-70	64.8	53.7	0	41	4-05		
AGS 2060	64.7	54.8	0	41	4-09	87.0	78.3
HBK 3443	63.8	54.0	1	39	4-10	78.8	
AGS 2035	63.8	53.3	0	41	4-07	84.2	
DYNA-GRO SHIRLEY	63.4	49.6	0	36	4-11	73.4	
PROGENY 136	63.3	49.3	1	41	4-11		
GA 991371-6E12	62.8	54.7	0	39	4-08		
TERRAL TV8589	62.8	51.8	1	41	4-11	83.5	
TERRAL TV8170	62.6	51.4	1	42	4-10	83.5	90.1
GA 991209-6E33	62.5	54.6	0	41	4-06		
VA04W-259	62.5	52.5	0	39	4-12		
DIXIE BELL DB2100	62.3	52.9	0	41	4-12	82.0	
DYNA-GRO 9922	61.9	51.9	0	42	4-12		
GA 991336-6E9	61.6	52.6	0	40	4-09		
DIXIE BELL DB7440	61.5	51.2	1	43	4-10	79.0	81.7
JAMESTOWN	61.4	56.2	0	36	4-06	78.5	68.1
AGRIPRO/COKER MAGNOLIA	61.4	52.6	0	41	4-10	79.8	68.4
USG 3295	61.3	52.7	0	39	4-10	80.8	81.1

Table 6. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg	3-yr avg
	bu/A	lb/bu	%	in		bu/A	
USG 3770	61.2	52.4	0	41	4-09		
DIXIE 454	61.0	53.8	1	39	4-13	80.3	89.3
CROPLAN GENET. 8868	60.9	49.4	0	38	4-11		
AGS 2055	60.7	50.8	1	42	4-12	78.9	86.4
LEGACY LW-117	60.7	51.8	1	42	4-14	76.4	
LEGACY LW410	60.5	49.1	1	41	4-12		
PAT	60.4	53.1	0	42	4-14	73.0	76.4
TAMsoft 700	60.3	50.8	1	39	4-08	79.4	
ARMOR GOLD	60.1	53.8	0	41	4-09	79.0	
PIONEER VAR. 25R63	59.8	50.0	0	39	4-10		
LA01110D-84-1-C	59.4	53.5	0	41	4-05		
DIXIE 427	59.3	50.0	2	40	4-10		
USG 3555	59.0	51.5	1	37	4-10	76.1	
DIXIE BELL DB2150	59.0	50.9	1	44	4-10	78.0	
LA01158D-55-8-B	58.8	55.1	1	37	4-07		
AGRIPRO/COKER OAKES	58.7	53.8	1	39	4-12		
TERRAL LA841	58.5	51.9	0	39	4-09	76.4	65.1
DELTA GROW 1600	58.4	50.3	1	42	4-12	79.8	89.2
DIXIE 907	58.3	50.0	2	42	4-13	77.0	
PIONEER VAR. 26R87	58.2	55.3	0	38	4-07	80.0	
PROGENY 117	58.2	51.9	1	42	4-10	79.3	
AG ALUMNI 1370	58.1	51.3	0	39	4-13		
USG 3665	58.1	48.5	0	39	4-12	74.7	82.5
AGRIPRO/COKER 9553	58.0	54.6	0	41	4-09	74.3	66.5
PIONEER VAR. 26R22	57.8	49.3	1	40	4-11	77.5	
ARLA1120-56-7-C	57.6	52.6	0	35	4-09		
AG ALUMNI 3080	57.5	48.9	0	36	4-11		
LEGACY LW303	57.5	52.0	0	39	4-11		
ARLA1008-12-2-C	56.9	52.8	0	41	4-10		
AGS 2031	56.6	53.6	0	37	4-09	81.0	
USG 3209	56.6	51.8	1	36	4-07	73.1	71.0
DIXIE 900	56.5	51.7	1	42	4-12	82.3	87.9
DIXIE BELL DB2125	56.1	51.5	2	42	4-13	77.0	
AR99110W-13-1	56.0	48.1	0	41	4-15		
HBK 3266	56.0	52.8	1	41	4-09	79.6	78.8
DELTA KING DK 9577	55.8	49.5	1	39	4-11	76.1	83.8
USG 3409	55.7	49.5	1	39	4-11		
DELTA KING DK 9108	54.8	51.7	1	41	4-08	75.9	70.5
SABBE	54.7	50.9	0	41	4-15	71.7	76.6
DELTA GROW 5200	54.3	50.8	1	41	4-11	75.0	83.5
CROPLAN GENET. 8302	54.3	52.7	0	39	4-11	80.0	83.8
AR97044-10-1	54.2	51.7	0	41	4-10		
DYNA-GRO BALDWIN	53.4	52.1	0	44	4-14	79.4	
ARMOR ARX 6202	53.3	50.3	1	39	4-15	75.0	82.8
TERRAL TV8558	53.2	48.0	1	40	4-10	69.3	78.5
MERL	52.5	54.0	1	38	4-10		
ARMOR 360Z	52.2	49.2	0	38	4-11	79.3	89.0
ARMOR RENEGADE	51.5	51.2	0	41	4-12	73.3	83.8
CROPLAN GENET. 554W	51.4	51.7	1	39	4-11	71.4	72.4
DIXIE 989	51.3	48.5	0	38	4-13	71.3	81.9
AGRIPRO/COKER 9804	51.0	50.2	1	39	4-10		

Table 6. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg	3-yr avg
	bu/A	lb/bu	%	in		bu/A	
HBKX3546	51.0	52.0	0	38	4-11		
PIONEER VAR. 26R15	50.7	49.9	0	39	4-12	76.0	
LEGACY LW-262	50.5	50.0	1	43	4-14	74.1	
AGRIPRO/COKER BERETTA	50.3	47.8	1	42	4-13	73.5	81.3
AGRIPRO/COKER W1377	50.1	50.8	1	40	4-13	76.4	
AGRIPRO/COKER 9700	49.6	53.5	1	37	4-05	68.3	50.4
ROANE	40.4	51.9	3	37	4-15	64.1	75.6
Grand mean	59.1	51.8	1	40	4-11		
LSD (5%)	9.1	1.0	1	2	2		
C.V. (%)	11.1	1.4	104	4	4		

Ldg = Lodging.

Pt ht = Plant height.

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

SOIL SERIES....Crowley silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....October 29, 2008
FERTILIZER.... 70 lb N/A on March 6, 2009; 50 lb N/A on March 20, 2009
HERBICIDE....None
INSECTICIDE....None
HARVEST DATE....June 8, 2009
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	3.7	2.1	3.9	3.4	4.8	5.4	4.6	11.5	39.4
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+0.4	-2.3	-0.7	-0.4	+1.0	+0.8	-1.0	+6.1	+3.9

Table 7. Performance of Wheat Cultivars in the Standard Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
AGS 2026	69.0	51.9	11	31	4-08	73.1
ARMOR ARX840	66.9	48.7	5	35	4-16	
PROGENY 136	65.5	48.4	5	34	4-16	
LEGACY LW410	64.8	48.5	5	35	4-15	
DIXIE BELL DB2125	63.8	51.4	8	34	4-16	75.3
PROGENY 185	63.7	49.8	4	34	4-14	77.0
VA04W-90	63.6	53.7	6	33	4-15	
JAMESTOWN	63.3	54.7	4	30	4-08	70.8
PIONEER VAR. XW07B	62.8	52.1	21	33	4-14	
DIXIE BELL DB2150	62.3	50.9	11	36	4-14	73.4
DIXIE 900	62.2	51.6	6	35	4-16	75.1
PROGENY 166	62.1	51.7	3	37	4-16	73.7
DIXIE 907	61.8	50.7	6	35	4-19	69.3
DIXIE BELL DB2100	61.7	47.7	3	34	4-17	74.0
AGRIPRO/COCKER W1377	61.4	51.2	4	34	4-18	71.7
DELTA GROW 4500	60.7	49.0	13	37	4-17	60.7
DIXIE BELL DB7440	60.2	52.1	1	34	4-15	75.0
USG 3409	60.1	47.2	6	32	4-15	60.1
PROGENY 119	59.2	52.8	2	33	4-18	
LEGACY LW303	59.1	51.4	3	35	4-16	
SABBE	58.9	53.4	8	33	4-20	65.5
DELTA GROW 1600	58.8	50.0	6	35	4-16	70.0
USG 3555	58.7	51.2	9	30	4-12	70.1
USG 3665	58.3	45.2	2	33	4-15	73.3
CROPLAN GENET. 8868	58.2	47.1	6	31	4-15	
DYNA-GRO 9922	58.1	51.8	0	34	4-13	58.1
TERRAL LA841	58.1	50.1	4	33	4-11	67.5
LEGACY LW-117	58.0	50.3	11	36	4-19	68.8
ARMOR RENEGADE	58.0	50.8	4	35	4-14	71.8
ARLA1120-56-7-C	57.3	52.0	2	31	4-14	
DELTA GROW 5200	57.3	49.9	8	37	4-17	66.7

Table 7. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
LEGACY LW-262	57.1	47.6	6	33	4-17	60.2
DIXIE 940	56.7	50.9	3	35	4-14	72.5
TERRAL TV8170	56.5	50.8	11	34	4-15	68.6
DIXIE 427	56.3	48.0	18	32	4-14	66.3
AG ALUMNI 3080	56.2	48.4	0	29	4-16	
DIXIE 989	56.1	47.2	2	33	4-16	69.7
DELTA KING DK 9108	56.0	48.6	11	34	4-14	64.3
PIONEER VAR. 26R15	55.5	51.0	1	33	4-16	69.7
TERRAL TV8589	55.4	48.2	9	34	4-16	70.4
MERL	55.3	51.2	8	29	4-15	
AGRIPRO/COKER BERETTA	55.2	48.5	4	32	4-20	69.4
DELTA KING DK 9577	55.1	46.6	6	33	4-14	67.3
AGRIPRO/COKER MAGNOLIA	54.9	51.3	0	35	4-15	70.3
PIONEER VAR. 25R63	54.7	49.9	1	33	4-12	
TERRAL TV8558	54.5	47.7	5	33	4-14	67.8
ARMOR 360Z	54.5	45.4	4	33	4-16	70.8
AG ALUMNI 1370	54.4	50.2	1	33	4-17	
LA01110D-150	54.4	54.3	7	33	4-13	
AGRIPRO/COKER OAKES	54.3	49.5	11	30	4-14	
AR99110W-13-1	54.2	51.1	1	33	4-21	
GA 991209-6E33	53.3	51.2	4	33	4-12	
DIXIE 454	53.3	52.7	0	31	4-15	70.0
ARMOR ARX 6202	52.9	49.7	7	33	4-18	68.2
ARMOR GOLD	52.7	53.0	8	33	4-11	65.5
HBK 3443	52.7	49.9	5	33	4-16	67.3
AGRIPRO/COKER 9804	52.3	50.5	8	32	4-12	65.0
AR97044-10-1	52.3	47.7	5	32	4-16	
AGRIPRO/COKER 9700	52.0	49.8	6	31	4-10	63.1
PIONEER VAR. 26R87	51.9	53.6	4	32	4-10	63.1
USG 3295	51.2	49.6	1	30	4-11	65.6
AGS 2055	50.7	47.0	7	35	4-15	69.0
CROPLAN GENET. 8302	50.4	52.2	1	32	4-16	66.5
AGRIPRO/COKER 9553	50.1	54.1	0	32	4-12	65.6
LA01110D-181-6-B	50.0	49.3	1	34	4-12	
HBK 3266	50.0	53.5	1	32	4-11	62.2
AGS 2050	49.4	46.0	14	33	4-14	65.1
CROPLAN GENET. 554W	49.3	49.6	23	33	4-15	64.3
GA 991371-6E12	49.2	51.3	2	33	4-15	
VA04W-259	48.9	48.3	26	29	4-17	
GA 991336-6E9	48.9	50.5	1	33	4-15	
LA01140D-70	48.7	51.6	3	36	4-10	
LA01110D-84-1-C	48.4	50.2	6	31	4-09	
ROANE	48.2	53.0	35	30	4-19	57.3
PAT	48.0	53.6	0	33	4-20	63.5
AGS 2031	46.9	47.5	6	32	4-10	61.1
PIONEER VAR. 26R22	46.9	48.9	7	34	4-15	60.1
AGS 2060	45.7	50.0	18	35	4-12	65.2
USG 3209	45.4	45.9	23	30	4-12	55.1
AR99174-5-1	45.4	53.6	0	30	4-17	
PROGENY 117	44.4	50.6	4	35	4-15	62.1

Table 7. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
PROGENY 130	44.1	51.5	17	34	4-15	
USG 3770	43.7	51.1	8	35	4-15	
ARLA1008-12-2-C	43.6	51.9	6	33	4-15	
DYNA-GRO SHIRLEY	43.1	45.8	0	29	4-17	60.3
AGS 2035	41.8	50.3	1	33	4-14	59.6
DYNA-GRO BALDWIN	41.5	52.2	0	36	4-19	57.0
TAMsoft 700	40.1	40.9	66	31	4-09	46.6
LA01158D-55-8-B	40.0	51.3	30	32	4-10	
HBKX3546	31.1	51.3	0	35	4-18	
Grand mean	54.0	50.2	7	33	4-15	
LSD (5%)	6.7	1.9	12	3	2	
C.V. (%)	8.9	2.8	120	6	4	

Ldg = Lodging.

Pt ht = Plant height.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

HIGH INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, ARK.

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 29, 2008
 FERTILIZER.... 90 lb N/A on March 6, 2009; 60 lb N/A on March 20, 2009
 FUNGICIDE.... 4 oz/A Tilt
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....June 9, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2008-2009	3.7	2.1	3.9	3.4	4.8	5.4	4.6	11.5	39.4
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+0.4	-2.3	-0.7	-0.4	+1.0	+0.8	-1.0	+6.1	+3.9

Table 8. Performance of Wheat Cultivars in the High Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
TERRAL TV8589	65.5	50.1	2	36	4-14	77.3
JAMESTOWN	63.8	50.7	2	33	4-13	75.0
AGS 2055	61.8	50.8	2	36	4-14	79.9
USG 3665	61.1	51.0	2	34	4-13	79.0
PIONEER VAR. XW07B	61.1	51.4	18	34	4-15	
ARMOR ARX 6202	61.0	48.8	1	35	4-15	78.0
ARLA1008-12-2-C	60.8	49.8	4	33	4-14	
ARMOR ARX840	59.8	48.4	4	34	4-13	
DIXIE 427	59.7	49.4	15	33	4-14	80.4
AGS 2026	59.4	52.7	8	32	4-12	70.4
GA 991336-6E9	59.1	51.1	3	33	4-14	
AR99110W-13-1	58.6	51.8	1	35	4-17	
DELTA KING DK 9577	58.5	48.9	2	33	4-14	76.1
USG 3555	57.9	49.6	0	32	4-14	76.2
HBKX3546	57.9	50.7	0	35	4-18	
PROGENY 130	57.7	51.2	4	35	4-14	
USG 3295	57.6	49.1	1	32	4-14	74.0
ARMOR RENEGADE	57.5	48.2	4	35	4-11	81.7
DIXIE 907	57.3	50.0	18	36	4-15	74.5
SABBE	57.1	51.2	2	33	4-17	67.5
PROGENY 185	57.1	51.9	2	35	4-14	79.2
LEGACY LW410	57.1	49.3	4	34	4-14	
TERRAL TV8170	57.0	51.0	4	35	4-14	79.0
TERRAL LA841	57.0	51.6	6	32	4-14	70.3
AGRIPRO/COKER W1377	57.0	48.4	4	35	4-15	76.5
USG 3770	56.8	51.5	2	35	4-15	
CROPLAN GENET. 8302	56.7	50.8	3	32	4-16	79.0
DELTA GROW 4500	56.6	50.9	13	36	4-15	
LA01110D-150	56.5	51.1	8	34	4-11	
DIXIE BELL DB7440	56.4	51.0	2	35	4-12	76.2
LEGACY LW-262	56.3	49.0	0	33	4-15	70.6

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
DELTA KING DK 9108	56.2	51.2	1	34	4-15	70.5
DELTA GROW 5200	56.0	49.8	10	34	4-16	74.2
TERRAL TV8558	55.7	49.2	3	35	4-14	74.4
PIONEER VAR. 26R22	55.5	50.5	5	37	4-15	74.3
DELTA GROW 1600	55.4	50.6	5	35	4-14	74.4
PIONEER VAR. 26R15	55.4	49.0	0	34	4-14	72.8
MERL	55.3	50.1	10	34	4-15	
VA04W-90	55.3	52.1	13	33	4-14	
USG 3209	55.2	48.7	5	30	4-14	70.8
PROGENY 136	55.0	48.9	4	34	4-12	
ARMOR 360Z	55.0	48.4	4	32	4-15	77.2
AGS 2035	54.8	51.4	0	34	4-15	74.6
GA 991209-6E33	54.6	50.5	2	32	4-12	
AG ALUMNI 3080	54.4	48.4	4	32	4-15	
AGRIPRO/COKER 9700	54.3	51.2	1	31	4-11	65.9
AGRIPRO/COKER 9553	54.3	50.4	3	34	4-13	69.7
PROGENY 119	54.1	52.0	1	34	4-15	
ARMOR GOLD	54.0	51.2	4	33	4-14	73.2
DYNA-GRO 9922	53.9	49.8	0	35	4-14	
LEGACY LW303	53.9	51.6	1	34	4-12	
DIXIE BELL DB2125	53.4	47.3	3	35	4-13	75.0
ARLA1120-56-7-C	53.4	51.0	1	30	4-14	
DIXIE 989	53.1	49.4	10	32	4-15	75.3
LA01110D-84-1-C	53.0	52.2	6	34	4-11	
LA01158D-55-8-B	52.6	52.2	40	32	4-11	
AGRIPRO/COKER OAKES	52.4	49.3	3	35	4-14	
HBK 3443	52.2	50.1	9	33	4-13	74.0
PIONEER VAR. 26R87	52.2	51.4	3	33	4-12	64.5
AG ALUMNI 1370	51.9	48.8	1	34	4-15	
DIXIE 900	51.9	48.3	2	36	4-14	74.7
CROPLAN GENET. 554W	51.9	50.6	26	33	4-13	72.0
AGS 2031	51.6	48.3	3	32	4-13	71.0
DIXIE BELL DB2150	51.6	51.4	4	36	4-15	75.0
GA 991371-6E12	51.4	50.8	3	34	4-13	
DIXIE 940	51.3	51.6	3	35	4-14	78.0
LA01110D-181-6-B	51.2	47.3	3	36	4-12	
PIONEER VAR. 25R63	51.1	51.0	1	35	4-15	
AGRIPRO/COKER BERETTA	51.0	48.7	2	31	4-15	72.0
ROANE	51.0	50.3	14	31	4-15	67.1
AGRIPRO/COKER 9804	51.0	50.6	4	34	4-14	73.1
CROPLAN GENET. 8868	50.6	49.6	4	34	4-14	
LA01140D-70	50.5	51.6	4	34	4-12	
DIXIE BELL DB2100	50.4	48.5	0	33	4-15	74.8
TAMsoft 700	50.0	50.3	33	32	4-15	67.8
USG 3409	49.9	50.8	3	32	4-15	
AGRIPRO/COKER MAGNOLIA	49.8	52.0	0	37	4-14	74.8
HBK 3266	49.7	52.5	0	34	4-13	65.0
PAT	49.5	51.9	0	34	4-19	68.7
AR99174-5-1	49.4	50.1	1	33	4-16	
DIXIE 454	49.1	48.9	1	34	4-14	68.9

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg
	bu/A	lb/bu	%	in		bu/A
DYNA-GRO BALDWIN	48.7	50.9	1	35	4-17	73.4
VA04W-259	48.6	50.6	21	33	4-15	
AGS 2060	48.6	49.7	8	34	4-16	72.0
AGS 2050	48.5	50.0	3	30	4-13	69.0
PROGENY 166	48.5	47.9	6	37	4-13	72.7
PROGENY 117	48.1	51.9	1	36	4-13	73.8
AR97044-10-1	47.7	47.9	0	35	4-14	
DYNA-GRO SHIRLEY	47.5	49.7	1	34	4-14	66.0
LEGACY LW-117	47.0	49.0	1	37	4-15	67.9
Grand mean	54.3	50.2	5	34	4-14	
LSD (5%)	11.1	3.7	10	3	4	
C.V. (%)	14.7	5.3	150	6	6	

Ldg = Lodging.

Pt ht = Plant height.

Due to the high variability of the 2006-2007 test, no three year averages were reported.

Table 9. 2008-09 Fusarium head blight reactions based on the percentage of scabby seed from natural infection at Keiser, Marianna, Newport, and Stuttgart.

Entry Name	Rating
AG ALUMNI 1370	S
AG ALUMNI 3080	S
AGRIPRO/COKER 9804	VS
AGRIPRO/COKER OAKES	MS
AGRIPRO/COKER BERETTA	MS
AGRIPRO/COKER COKER9553	S
AGRIPRO/COKER COKER9700	S
AGRIPRO/COKER MAGNOLIA	S
AGRIPRO/COKER W1377	S
AGS 2026	S
AGS 2031	S
AGS 2050	S
AGS 2055	S
AGS 2060	S
AR97044-10-1	S
AR99110W-13-1	VS
AR99174-5-1	S
ARLA1008-12-2-C	VS
ARLA1120-56-7-C	S
ARMOR 360Z	S
ARMOR ARX 6202	S
ARMOR ARX840	VS
ARMOR GOLD	S
ARMOR RENEGADE	S
CROPLAN GENET. 554W	S
CROPLAN GENET. 8302	S
CROPLAN GENETICS 8868	S
DELTA GROW 1600	S
DELTA GROW 4500	MS
DELTA GROW 5200	MS
DELTA KING DK 9108	S
DELTA KING DK 9577	S
DIXIE 427	S
DIXIE 454	MS
DIXIE 900	MS
DIXIE 907	MS
DIXIE 940	S
DIXIE 989	S
DIXIE BELL DB2100	MS
DIXIE BELL DB2125	MS
DIXIE BELL DB2150	S
DIXIE BELL DB7440	S
DYNA-GRO 9922	S
DYNA-GRO SHIRLEY	S
DYNA-GRO BALDWIN	VS
AGS 2035	VS
GA 991209-6E33	S
GA 991336-6E9	VS
GA 991371-6E12	VS
HBK 3266	S
HBK 3443	S

Table 9. Continued.

Entry Name	Rating
HBKX3546	VS
JAMESTOWN	S
LA01110D-150	S
LA01110D-181-6-B	VS
LA01110D-84-1-C	S
LA01140D-70	S
LA01158D-55-8-B	S
LEGACY LW-117	S
LEGACY LW-262	S
LEGACY LW303	MS
LEGACY LW410	S
MERL	S
PAT	S
PIONEER VARIETY 25R63	S
PIONEER VARIETY 26R15	S
PIONEER VARIETY 26R22	S
PIONEER VARIETY 26R87	S
PIONEER VARIETY XW07B	S
PROGENY 117	S
PROGENY 119	MS
PROGENY 130	MS
PROGENY 136	S
PROGENY 166	MS
PROGENY 185	S
ROANE	MS
SABBE	S
TAMsoft 700	VS
TERRAL LA841	VS
TERRAL TV8170	S
TERRAL TV8558	S
TERRAL TV8589	S
USG 3209	S
USG 3295	S
USG 3409	S
USG 3555	S
USG 3665	S
USG 3770	S
VA04W-259	S
VA04W-90	MS

OAT TEST
COTTON BRANCH STATION, MARIANNA, AR

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 27, 2009
 FERTILIZER.... 60 lb N/A + 24 lb S/A on March 2, 2009; 40 lb N/A on March 18, 2009
 HERBICIDE.... None
 INSECTICIDE....None
 HARVEST DATE....June 2, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	2.9	2.2	7.8	3.4	4.0	5.5	3.8	13.0	42.6
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	-0.1	-2.2	+3.0	-1.0	-0.1	+0.1	-1.7	+7.8	+5.8

Table 10. Performance of Oat Cultivars, Marianna.

Entry Name	Yield	Test wt	Ldg	Head date	2-yr avg	3-yr avg
	bu/A	lb/bu	%			
OZARK	126.0	32.4	0	4-22	122.9	121.5
LA99016 Forage Oat	123.1	30.8	0	4-16	116.7	110.4
BOB	122.7	33.0	5	4-16	115.6	111.1
ARO 336-12	113.7	31.1	0	4-24	116.7	116.0
FL99153-45-S1	110.6	32.2	0	4-17		
PLOT SPIKE LA9339	96.4	30.5	0	4-20	102.9	
LA976-59-S1	96.1	28.0	8	4-22		
HORIZON LA976	95.2	29.6	0	4-22	100.7	
LA03046-7-S1	94.1	27.2	0	4-20		
TERRAL TROPHY	93.9	29.8	0	4-15	98.9	97.1
Grand mean	107.2	30.5	1	4-19		
LSD (5%)	11.6	1.0	8	2		
C.V. (%)	7.5	2.3	4.6	2		

Ldg = Lodging.

OAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, ARK.

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 30, 2008
 FERTILIZER....60 lb N/A on March 6, 2009; 40 lb N/A on March 20, 2009
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....June 8, 2009
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches -----								
2008-2009	3.7	2.1	3.9	3.4	4.8	5.4	4.6	11.5	39.4
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+0.4	-2.3	-0.7	-0.4	+1.0	+0.8	-1.0	+6.1	+3.9

Table 11. Performance of Oat Cultivars, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	2-yr avg	3-yr avg
	bu/A	lb/bu	%	in		bu/A	
FL99153-45-S1	86.4	32.2	91	31	4-19		
LA976-59-S1	80.9	27.9	69	27	4-22		
OZARK	80.8	32.4	59	27	4-22	95.1	115.0
LA99016 Forage Oat	80.3	31.0	89	35	4-22	103.6	124.3
BOB	80.0	33.0	93	29	4-20	102.8	122.3
LA03046-7-S1	77.5	27.2	58	27	4-22		
ARO 336-12	72.9	31.3	61	32	4-19	97.4	118.1
HORIZON LA976	63.9	29.6	76	34	4-19	94.2	
TERRAL TROPHY	62.3	29.8	93	36	4-22	87.1	109.2
PLOT SPIKE LA9339	58.1	30.3	84	33	4-19	88.9	
Grand mean	74.3	30.5	77	31	4-21		
LSD (5%)	12.4	1.0	20	4	4		
C.V. (%)	11.5	2.3	18	8	5		

Ldg = Lodging.

Pt ht = Plant height.

PARTICIPANTS AND ENTRIES
2008 - 2009 ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

Companies

Ag Alumni Seed
702 State Rd. 28E
P.O. Box 158
Romney, IN 47981
800-822-7134

Ag Alumni 1370
Ag Alumni 3080

AGSouth Genetics
P.O. Box 72246
Albany, GA 31708-2246
229-881-7455

AGS 2031
AGS 2050
AGS 2035

AGS 2060
AGS 2055

AGS 2026
Horizon LA976 (oat)

B & S Seed Company, Inc.
1283 Hwy 444
Duncan, MS 38740
662-627-2521

Dixie Bell DB7440
Dixie Bell DB2125

Dixie Bell DB2150
Dixie Bell DB2100

Cache River Valley Seed
12470 Hwy 226
P.O. Box 10
Cash, AR 72421
870-477-5427

Dixie 900
Dixie 989
Dixie 427

Dixie 454
Dixie 907
Dixie 940

Land O'Lakes/Croplan Genetics
4990 No. Co. Rd. 583
Blytheville, AR 72315
870-623-5093

Croplan Genetics 554W
Croplan Genetics 8302

Croplan Genetics 8868

Cullum Seed, LLC
P.O. Box 9
Waldenburg, AR 72475
870-579-2286

Armor 360Z
Armor Gold
Armor ARX840

DK 9108
DK 9577
Armor Renegade

Delta Grow Seed
P.O. Box 219
England, AR 72046
501-842-2572

Delta Grow 5200
Delta Grow 4500
Delta Grow 1600

Dyna-Gro Seed
6221 Riverside Dr. Suite One
Dublin, OH 43017
614-620-5008

Dyna-Gro Shirley
Dyna-Gro Baldwin
Dyna-Gro 9922

Hornbeck Seed Co., Inc.
P.O. Box 472, 210 Drier Rd
DeWitt, AR 72042-0472
870-946-2087

HBK 3266
HBK 3443
HBK X3546

Legacy Seed South, LLC
191 Jackson 136
Newport, AR 72112
870-744-8237

Legacy LW-117
Legacy LW-262

Legacy LW-303
Legacy LW-410

Pioneer, A DuPont Co.
7501 S. Memorial PKWY, STE 205
Huntsville, AL 35802
800-331-2475

Pioneer 26R22
Pioneer 26R15
Pioneer 26R87

Pioneer 25R63
Pioneer XW07B

Progeny Ag Products
1529 Hwy 193
Wynne, AR 72396
888-535-7333

Progeny 185
Progeny 117
Progeny 136
Progeny 166

Progeny 119
Progeny 130

Ragan & Massey, Inc.
100 Ponchatoula Pky.
Ponchatoula, LA 70454
985-386-6042

Plotspike LA9339
LA99016 Forage Oat

Syngenta Seeds, Inc.
P.O. Box 729
778 CR 680
Bay, AR 72411
870-483-7691

AgriPro/COKER Magnolia
AgriPro/COKER 9700
AgriPro/COKER 9804
AgriPro/COKER Oakes

AgriPro/COKER 9553
AgriPro/COKER Beretta
AgriPro/COKER W1377

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

Terral LA841
Terral TV8331
Terral TV8170

Terral TV8558
Terral TV8589
Terral Trophy (oat)

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

USG 3209
USG 3409
USG 3665

USG 3770
USG 3555
USG 3295

Public Institutions

University of Arkansas
Department of CSES
Fayetteville, AR 72701
479-575-5725

Pat
Sabbe
AR97044-10-1

Bob (oat)
Ozark (oat)
AR99110W-13-1

ARO 336-12 (oat)
AR99174-5-1

University of Georgia
UGA-CAES, Griffin Campus
1109 Experiment St.
Griffin, GA 30223
770-228-7321

UGA 991371-6E12
UGA 991209-6E33
UGA 991336-6E9

Louisiana State University
Agronomy Department
Baton Rouge, LA 70803-2110
225-578-1380

ARLA1008-12-2-C
ARLA1120-56-7-C
LA01110D-150
LA01110D-84-1-C

LA01110D-181-6-B
LA011140D-70
LA01158D-55-8-B
FL99153-45-S1 (oat)

LA976-59-S1 (oat)
LA03046-7-S1 (oat)

Texas A&M - Dallas
17360 Coit Rd.
Dallas, TX
972-952-9274

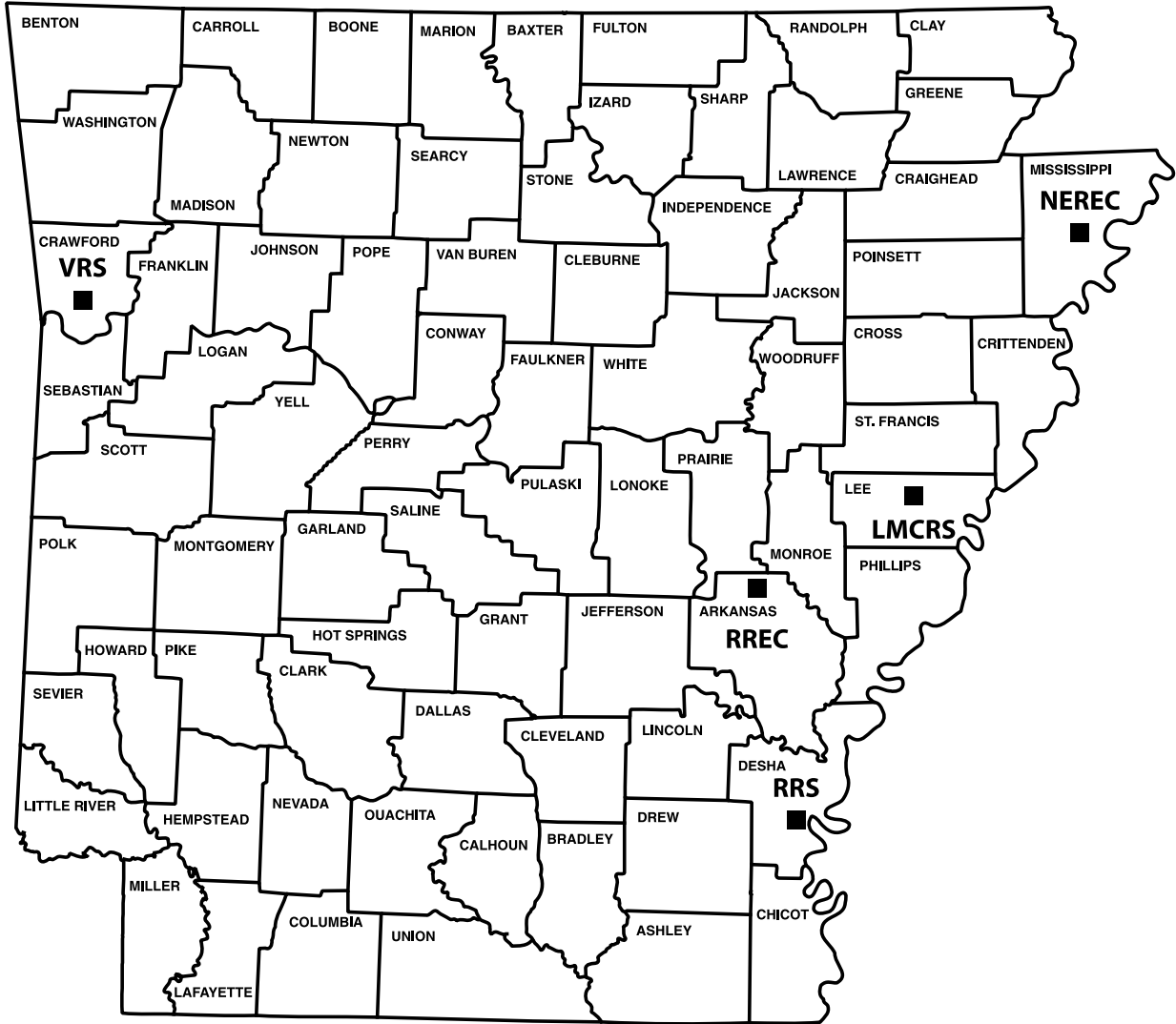
TAMsoft 700

Virginia PI & State University
EVAREC
2229 Menokin Road
Warsaw, VA 22572
840-333-3485

Roane
VA01W-259
VA04W-90

Jamestown
Merl

SMALL-GRAIN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna
- NEREC** - Northeast Research and Extension Center, Keiser
- RREC** - Rice Research and Extension Center, Stuttgart
- RRS** - Rohwer Research Station, Rohwer
- VRS** - Vegetable Research Station, Kibler

