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Arkansas Wheat Cultivar Performance Tests 2011-2012

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DIVISION OF AGRICULTURE
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ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS[1] 2011-2012

R.E. Mason[2], R.G. Miller[2], J.P. Kelley[2], and E.A. Milus[3]

INTRODUCTION

Wheat 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 at the Newport Research Station. 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. 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 83 entries. A randomized complete block experimental design with four replications was used for all tests. A seeding rate of 105 lb/A was used to establish plots 20 feet in length and 49 inches in width (7 rows, 7 inches apart). The tests at Keiser and Rohwer were planted using a grain drill with 9 rows, 7 inches apart. Due to the larger area planted (plot width) the effective seeding rate was reduced to 82 lb/A. All sites used conventional seedbed preparation, with the exception of Rohwer where raised beds were used. 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 13.0% 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 of year that 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 on a whole plot basis.

Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, and soybean can be found at **ArkansasVarietyTesting.com**. Disease ratings that do not appear in this or other reports may also be found on this Website.

[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.

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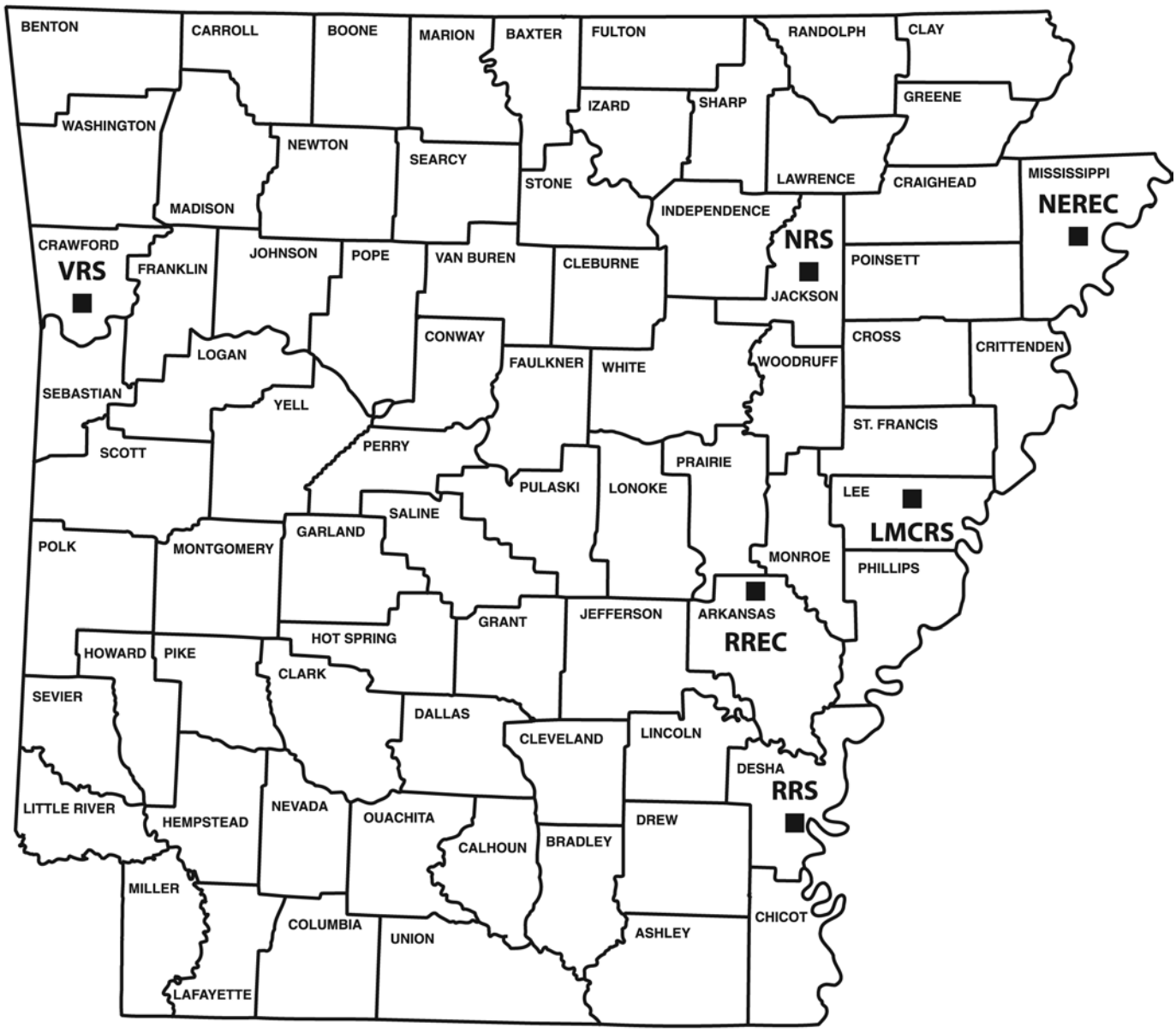
WEATHER SUMMARY

Soil moisture was generally normal to wet prior to planting with most locations experiencing timely rain following planting. With the exception of Rohwer, fall rainfall totals were above normal for most locations, especially for the months of November and December. A mild winter with above normal temperatures led to early flowering and a dry spring resulted in early maturity. Overall, most locations experienced moderate to severe water deficits across the growing season, resulting in average yields.

RESULTS

Grain yields ranged from average to good across locations (Table 1). The highest average yield was recorded in Rohwer (89.7 bu/A) and the lowest was recorded in Kibler (55.9 bu/A). No difference was observed between the standard and high input tests in Stuttgart likely due to both the low yield potential and low disease pressure in this location. Stripe rust was present in four locations (Keiser, Kibler, Marianna and Rohwer), leaf rust in two locations (Keiser and Rohwer) and *Septoria* Leaf Blotch in three locations (Keiser, Kibler and Stuttgart). Ratings at various locations were taken by Gene Milus, Cliff Coker, and Esten Mason. The standard input test at Newport was not harvested due to stand variability.

WHEAT TEST LOCATIONS



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

Table 1. Summary of 2011-2012 wheat yields at five Arkansas locations[1].

	Keiser	Kibler	Marianna	Rohwer	Stuttgart	Stuttgart
Entry Name	**Standard Input Yield (bu/A)**					**High Input Yield (bu/A)**
AG Exp 05247	67.7	47.5	74.8	98.7	50.8	53.9
AG1189	55.6	43.2	47.1	65.8	58.7	63.1
AgriMAXX 413	66.4	65.9	82.2	95.6	67.6	67.2
AgriMAXX 415	70.8	51.9	74.3	97.4	66.7	66.3
AgriMAXX 424	67.8	56.8	83.7	69.9	67.6	65.1
AGS 2026	59.1	50.1	91.5	91.4	62.0	61.6
AGS 2035	65.7	54.4	75.0	96.1	63.6	60.5
AGS 2038	76.3	65.2	85.4	112.6	67.8	62.6
AGS 2052	61.8	52.9	69.2	68.2	65.3	64.3
AGS 2056	63.1	61.3	78.2	97.0	64.9	62.3
AGS 2060	59.9	62.7	84.0	102.5	58.1	60.3
AGS CL-7	59.4	57.8	71.3	82.8	63.0	59.5
AR00255-16-1	65.7	53.5	72.3	99.3	60.3	62.2
AR01156-2-1	66.2	53.7	69.9	93.9	62.6	64.5
Armor Rampage	58.5	44.5	75.8	83.5	65.5	57.7
Armor Ricochet	69.5	63.4	79.4	97.6	60.0	66.3
ARX1107	64.5	59.4	86.6	78.4	73.2	71.0
ARX1109	57.3	52.8	71.8	89.0	74.4	66.8
ARX1133	57.7	62.8	81.7	97.1	61.5	68.4
Croplan Genetics 8302	66.5	65.2	76.3	79.7	61.7	63.4
Croplan Genetics 8925	64.7	52.9	59.0	81.1	61.7	62.2
Croplan Genetics 9004	58.6	52.1	69.6	71.8	64.5	56.1
DeltaGrow 5000	60.8	59.7	70.9	75.3	61.6	57.5
DeltaGrow 7300	68.6	55.0	67.0	74.9	69.5	68.8
DeltaGrow 7500	67.0	61.9	75.2	101.2	68.5	61.4
DeltaGrow 7900	65.1	52.9	74.5	81.4	62.3	60.9
DeltaGrow 8600	70.8	59.9	86.6	87.9	65.7	64.2
Dixie Bell DB 412	63.7	49.0	74.1	95.4	61.9	65.6
Dixie Bell DB 620	66.3	52.5	80.2	97.9	70.8	66.7
Dixie Bell DB 999	73.7	61.5	77.0	88.2	69.7	66.1
Dixie Exp 1112	61.8	59.0	79.9	95.2	68.9	68.7
Dixie Kelsey	62.1	67.1	77.6	96.5	70.6	66.0
Dixie McAlister	69.1	55.0	75.5	98.5	72.0	63.2
Dyna-Gro 9012	69.6	57.8	74.1	94.5	66.4	65.9
Dyna-Gro 9053	60.4	61.6	71.8	76.6	71.0	66.5
Dyna-Gro 9171	62.1	55.9	80.5	95.8	65.1	62.6
Dyna-Gro Baldwin	67.0	60.4	78.4	97.5	62.1	57.2
GA-021245-9E16	55.9	60.7	75.9	72.2	61.1	58.2
HBK 3266	61.2	54.3	72.6	88.1	69.9	60.6
JGL Exp 32110	72.0	63.4	80.6	110.6	76.5	69.2
JGL Exp 32111	62.8	54.5	71.4	90.9	72.1	70.3
JGL Exp 32112	66.5	59.2	66.3	112.0	54.9	62.4
JGL Exp 32113	63.4	34.6	85.1	81.8	68.6	64.0
LA01110D-150	55.1	56.7	71.4	101.0	64.0	62.4
LA02015E201	50.4	45.3	73.9	78.8	55.7	53.2
LA02015E58	46.8	53.6	78.2	78.4	55.9	51.9
LA02024E12	51.9	48.5	74.5	90.1	55.3	52.2
LA04026D-7	54.7	59.9	74.6	94.8	64.7	59.3
LA04110D-7	58.0	44.5	64.5	78.3	60.6	58.4

Table 1. Continued.

	Keiser	Kibler	Marianna	Rohwer	Stuttgart	Stuttgart
Entry Name	**Standard Input Yield bu/A)**					**High Input Yield (bu/A)**
Pioneer 25R32	63.2	47.8	76.0	83.3	60.5	58.9
Pioneer 26R10	69.2	49.7	82.6	89.7	66.4	65.0
Pioneer 26R15	74.6	60.8	66.8	97.2	54.2	60.9
Pioneer 26R20	80.5	55.9	75.4	108.2	66.0	62.5
Pioneer 26R22	69.3	51.1	81.2	97.5	60.1	65.8
Pioneer 26R87	64.2	52.5	81.0	101.8	60.8	59.5
Pioneer XW10T	73.1	64.6	84.7	93.0	64.2	67.6
Pioneer XW10V	67.1	59.5	84.0	100.3	70.6	66.1
Progeny 117	58.2	54.8	59.7	59.4	61.6	60.1
Progeny 125	65.3	60.1	81.0	72.9	59.1	59.6
Progeny 185	59.6	52.8	69.7	80.1	66.5	65.2
Progeny 357	61.7	59.8	72.6	84.0	63.8	66.6
Progeny 870	65.5	56.2	81.3	99.6	70.3	66.3
Progeny PGX 11-14	57.3	67.5	70.3	90.5	69.3	63.8
Progeny 308	69.8	56.3	73.2	87.8	68.2	63.8
Syngenta Arcadia	57.7	55.5	66.9	77.1	58.1	52.0
Syngenta Coker 9553	59.5	56.5	76.1	85.3	64.8	57.6
Syngenta Magnolia	60.9	56.2	79.7	88.7	64.5	64.2
Syngenta Oakes	68.7	53.1	76.4	94.7	61.2	59.4
Syngenta SY Harrison	69.7	53.2	80.5	101.8	72.9	71.7
Terral LA841	56.5	53.5	80.0	89.1	59.4	59.8
Terral TV8525	75.9	53.5	84.1	91.0	75.7	65.4
Terral TV8535	69.5	56.6	77.2	103.6	69.1	65.7
Terral TV8626	63.6	58.2	68.2	81.7	68.3	65.6
Terral TV8848	62.6	51.3	86.1	90.4	67.9	64.1
Terral TV8861	69.4	68.8	79.3	86.3	72.3	68.7
USG 3120	68.8	57.3	78.4	96.7	70.1	69.0
USG 3201	62.1	53.7	71.1	99.7	76.0	67.8
USG 3438	67.1	64.0	83.7	94.0	63.1	64.9
USG 3555	64.0	55.1	72.9	87.9	59.4	59.4
USG 3562	69.7	56.9	81.0	85.7	69.6	64.8
VA Jamestown	61.8	55.8	76.6	89.8	59.0	54.1
VA08W-294	58.9	56.1	80.7	100.9	65.0	60.7
WBX700	59.9	51.3	55.4	75.4	65.8	64.3
Mean	64.1	55.9	75.5	89.7	64.9	62.9
LSD (5%)	14.6	17.1	15.9	14.3	12.0	7.5
CV (%)	11.6	15.5	10.7	8.1	9.4	6.1

[1]The Newport test was planted but not harvested due to variability in stand.

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

SOIL SERIES .....Sharkey silty clay
PREVIOUS CROP.....Fallow
PLANTING DATE.....October 17, 2011
FERTILIZER .....70 units of N/A on March 5, 2012, 70 units of N/A on March 22, 2012
HERBICIDE .....0.75 oz/A Harmony on March 19, 2012
INSECTICIDE.....None
HARVEST DATE.....June 6, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Keiser	2.26	10.28	8.07	3.17	1.88	3.43	1.18	4.18	34.45
Keiser Normal	2.40	4.10	4.70	3.40	3.00	4.80	5.10	5.30	32.80
Keiser departure	-0.14	6.18	3.37	-0.23	-1.12	-1.37	-3.92	-1.12	1.65

Table 2. Performance of wheat cultivars in the standard input test, Keiser.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Leaf Rust (%Plot) 4/24	Stripe Rust (%Plot) 4/24	Septoria Leaf Blotch (%Plot) 4/24	2-year Average (bu/A)	3-year Average (bu/A)
Pioneer 26R20	80.5	60.4	4/8	5/9	32.8	1	4	0	76.0	78.0
AGS 2038	76.3	60.7	3/31	5/5	36.3	0	0	1	73.1	
Terral TV8525	75.9	59.6	4/5	5/9	30.5	1	0	0	73.8	
Pioneer 26R15	74.6	58.6	4/8	5/8	32.0	0	0	1	73.7	76.0
Dixie Bell DB 999	73.7	59.0	4/7	5/7	30.3	2	0	0		
Pioneer XW10T	73.1	58.0	4/6	5/8	28.3	1	1	0		
JGL Exp 32110	72.0	58.8	4/9	5/10	31.0	0	0	0		
AgriMAXX 415	70.8	60.2	4/8	5/8	29.8	1	0	0		
DeltaGrow 8600	70.8	59.2	4/5	5/6	31.0	1	0	0		
Progeny 308	69.8	59.9	4/7	5/9	30.3	1	0	1		
USG 3562	69.7	59.2	4/6	5/6	29.0	1	0	0		
Syngenta SY Harrison	69.7	57.2	4/9	5/12	32.0	1	1	0		
Dyna-Gro 9012	69.6	60.0	4/8	5/10	29.8	2	0	0	71.7	73.6
Terral TV8535	69.5	57.4	4/5	5/5	30.8	1	0	0	71.7	
Armor Ricochet	69.5	57.1	4/7	5/8	28.8	2	0	0	72.0	76.2
Terral TV8861	69.4	58.6	4/9	5/11	30.0	2	0	0	74.6	73.3
Pioneer 26R22	69.3	61.0	4/7	5/8	30.3	1	2	0	69.5	70.2
Pioneer 26R10	69.2	57.5	4/7	5/9	31.0	1	0	0	71.6	
Dixie McAlister	69.1	57.3	4/4	5/4	30.8	2	0	0	75.7	
USG 3120	68.8	60.8	3/26	4/30	33.5	0	1	8	64.0	69.8
Syngenta Oakes	68.7	59.0	4/6	5/5	32.3	1	1	0	67.0	68.0
DeltaGrow 7300	68.6	56.6	4/11	5/13	30.5	1	1	0		
AgriMAXX 424	67.8	59.1	4/7	5/8	29.0	1	0	0		
AG Exp 05247	67.7	59.7	4/10	5/13	32.8	0	0	0		
Pioneer XW10V	67.1	59.4	4/6	5/7	29.0	1	0	0		
USG 3438	67.1	57.7	4/5	5/8	30.8	1	2	1	75.0	75.3
Dyna-Gro Baldwin	67.0	60.6	4/8	5/12	35.3	0	4	0	65.5	68.3
DeltaGrow 7500	67.0	57.2	4/6	5/8	30.5	1	0	0	70.9	

Table 2. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Leaf Rust (%Plot) 4/24	Stripe Rust (%Plot) 4/24	Septoria Leaf Blotch (%Plot) 4/24	2-year Average (bu/A)	3-year Average (bu/A)
Croplan Genetics 8302	66.5	59.0	4/4	5/4	34.3	3	0	1	68.9	73.4
JGL Exp 32112	66.5	59.1	4/11	5/12	32.3	0	2	0		
AgriMAXX 413	66.4	57.1	4/6	5/6	29.3	1	0	0		
Dixie Bell DB 620	66.3	57.9	4/8	5/10	31.3	1	0	0		
AR01156-2-1	66.2	58.6	4/9	5/8	26.8	0	2	0		
AGS 2035	65.7	60.2	3/28	4/30	34.3	1	2	3	69.8	73.6
AR00255-16-1	65.7	58.4	4/6	5/7	28.0	0	0	1		
Progeny 870	65.5	57.5	4/6	5/8	30.5	1	0	0	72.5	
Progeny 125	65.3	59.2	3/28	5/1	31.0	4	0	0	63.8	67.3
DeltaGrow 7900	65.1	59.1	4/4	5/4	33.5	0	1	0	61.4	
Croplan Genetics 8925	64.7	60.0	4/8	5/9	32.8	2	0	0		
ARX1107	64.5	58.5	4/6	5/6	31.0	4	0	0		
Pioneer 26R87	64.2	62.2	3/29	4/30	32.5	1	0	5	72.7	70.7
USG 3555	64.0	59.2	4/3	5/3	28.5	1	0	1	68.8	72.1
Dixie Bell DB 412	63.7	57.3	4/10	5/13	32.3	1	0	0		
Terral TV8626	63.6	55.2	4/8	5/9	30.5	4	1	0	67.4	
JGL Exp 32113	63.4	57.7	4/11	5/13	32.8	1	0	0		
Pioneer 25R32	63.2	58.6	4/11	5/12	31.3	1	0	0	65.2	66.6
AGS 2056	63.1	57.0	4/7	5/9	30.8	1	0	0	70.1	
JGL Exp 32111	62.8	56.3	4/8	5/10	29.0	1	6	0		
Terral TV8848	62.6	58.2	4/9	5/11	32.3	1	0	0	72.7	
Dyna-Gro 9171	62.1	57.3	4/6	5/9	30.0	1	0	0	70.5	
USG 3201	62.1	60.4	4/7	5/8	30.0	2	0	0	68.6	73.6
Dixie Kelsey	62.1	60.1	4/8	5/9	30.3	2	0	0	69.4	
VA Jamestown	61.8	61.7	3/30	5/1	29.0	1	0	5	67.8	71.3
AGS 2052	61.8	56.6	4/12	5/12	30.3	1	1	0	66.1	
Dixie Exp 1112	61.8	56.9	4/9	5/11	33.5	1	0	1		
Progeny 357	61.7	56.0	4/9	5/8	30.0	2	0	0	65.9	
HBK 3266	61.2	59.5	3/31	5/1	34.0	0	12	0	61.1	64.5
Syngenta Magnolia	60.9	58.4	4/2	5/3	34.3	5	0	2	62.0	61.0
DeltaGrow 5000	60.8	59.4	3/30	5/1	32.0	3	0	1		
Dyna-Gro 9053	60.4	55.7	4/7	5/8	31.3	4	1	0	66.9	
AGS 2060	59.9	62.1	3/29	5/1	36.3	0	0	0	63.8	66.8
WBX700	59.9	57.4	4/9	5/12	32.3	0	32	0		
Progeny 185	59.6	58.1	4/5	5/6	33.0	1	8	1	64.1	63.9
Syngenta Coker 9553	59.5	60.7	3/31	5/2	32.5	1	0	1	60.1	60.4
AGS CL-7	59.4	60.5	3/26	4/30	32.0	30	29	1	64.6	
AGS 2026	59.1	61.3	4/1	5/2	31.3	0	0	0	57.2	62.3
VA08W-294	58.9	59.0	4/1	5/2	31.0	0	0	1		
Croplan Genetics 9004	58.6	59.3	4/4	5/3	32.3	1	1	0		
Armor Rampage	58.5	57.0	4/5	5/8	33.8	2	1	0		
Progeny 117	58.2	59.3	3/31	5/1	35.0	0	38	0	61.8	65.9
LA04110D-7	58.0	62.3	3/28	5/2	34.0	0	10	0		
Syngenta Arcadia	57.7	59.9	3/30	5/2	31.5	0	26	3	61.6	63.6
ARX1133	57.7	57.6	4/5	5/7	30.0	1	0	0		

Table 2. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Leaf Rust (%Plot) 4/24	Stripe Rust (%Plot) 4/24	Septoria Leaf Blotch (%Plot) 4/24	2-year Average (bu/A)	3-year Average (bu/A)
ARX1109	57.3	56.8	4/10	5/13	29.3	1	4	0		
Progeny PGX 11-14	57.3	57.1	4/9	5/9	33.5	1	0	0		
Terral LA841	56.5	59.8	3/27	4/30	32.0	0	0	37	57.8	59.6
GA-021245-9E16	55.9	61.5	3/29	4/30	34.5	0	1	1		
AG1189	55.6	59.0	4/9	5/11	30.0	0	5	0		
LA01110D-150	55.1	60.1	3/30	4/30	34.0	0	1	3	63.5	67.6
LA04026D-7	54.7	62.5	3/26	4/30	33.3	0	0	2		
LA02024E12	51.9	60.4	3/29	4/30	31.3	0	0	6		
LA02015E201	50.4	61.8	3/29	4/30	33.0	0	0	6		
LA02015E58	46.8	61.9	3/29	4/30	31.3	0	0	2		
Mean	64.1	58.9	4/5	5/6	31.5	1	2	1		
LSD (5%)	14.6	1.3	3.7	4.0	3.0	11	10	5		
CV (%)	11.6	1.2	2.0	1.6	4.8	391	201	203		

STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, ARK.

SOIL SERIES ..... Roxanna silt loam
PREVIOUS CROP..... Fallow
PLANTING DATE ..... October 26, 2011
FERTILIZER ..... 21 units N/A + 24 units S/A on Feb. 28, 2012; 21 units N/A + 24 units S/A on March 26, 2012
HERBICIDE ..... None
INSECTICIDE ..... None
HARVEST DATE..... June 7, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Kibler	3.68	9.00	4.08	4.65	1.50	7.37	3.62	3.03	36.93
Kibler Normal	3.30	3.20	2.80	2.40	2.70	3.90	4.20	4.60	27.10
Kibler departure	0.38	5.80	1.28	2.25	-1.20	3.47	-0.58	-1.57	9.83

Table 3. Performance of wheat cultivars in the standard input test, Kibler.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 4/17	Septoria Leaf Blotch (%Plot) 4/17	2-year Average (bu/A)
Terral TV8861	68.8	58.3	4/6	5/21	30.8	0	0	60.8
Progeny PGX 11-14	67.5	56.5	4/4	5/17	33.0	0	2	
Dixie Kelsey	67.1	58.8	4/4	5/16	30.3	0	1	60.6
AgriMAXX 413	65.9	58.6	4/3	5/15	29.8	0	1	
Croplan Genetics 8302	65.2	56.6	4/5	5/14	31.8	0	1	55.7
AGS 2038	65.2	58.2	4/5	5/17	36.5	0	2	58.1
Pioneer XW10T	64.6	58.0	4/4	5/14	29.3	0	2	
USG 3438	64.0	57.3	4/3	5/15	29.5	0	1	60.9
Armor Ricochet	63.4	57.2	4/4	5/14	28.0	1	2	57.0
JGL Exp 32110	63.4	58.3	4/5	5/16	31.0	1	0	
ARX1133	62.8	57.0	4/3	5/14	31.3	0	3	
AGS 2060	62.7	61.0	4/2	5/19	33.8	1	1	53.6
DeltaGrow 7500	61.9	57.1	4/4	5/16	29.5	0	1	59.1
Dyna-Gro 9053	61.6	54.9	4/6	5/14	31.0	1	2	52.9
Dixie Bell DB 999	61.5	59.9	4/3	5/14	29.8	0	0	
AGS 2056	61.3	57.1	4/5	5/17	30.3	0	1	52.0
Pioneer 26R15	60.8	57.2	4/5	5/15	33.0	0	2	58.5
GA-021245-9E16	60.7	60.4	4/2	5/17	32.3	1	2	
Dyna-Gro Baldwin	60.4	57.5	4/5	5/16	36.3	10	1	54.7
Progeny 125	60.1	58.5	4/2	5/13	29.5	0	4	42.0
DeltaGrow 8600	59.9	60.0	4/3	5/15	29.5	0	0	
LA04026D-7	59.9	60.3	4/2	5/12	33.3	0	2	
Progeny 357	59.8	54.3	4/6	5/15	30.8	1	1	52.3
DeltaGrow 5000	59.7	58.2	4/2	5/12	30.3	0	7	
Pioneer XW10V	59.5	58.8	4/7	5/18	28.8	0	1	
ARX1107	59.4	58.6	4/5	5/16	30.8	0	2	

Table 3. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 4/17	Septoria Leaf Blotch (%Plot) 4/17	2-year Average (bu/A)
JGL Exp 32112	59.2	56.3	4/6	5/18	31.8	5	0	
Dixie Exp 1112	59.0	56.4	4/4	5/19	34.3	0	2	
Terral TV8626	58.2	55.2	4/8	5/17	31.3	2	0	54.0
AGS CL-7	57.8	59.4	4/2	5/12	30.3	70	0	40.4
Dyna-Gro 9012	57.8	58.5	4/6	5/16	28.5	0	0	58.7
USG 3120	57.3	59.2	4/2	5/12	31.3	5	2	48.7
USG 3562	56.9	59.5	4/3	5/15	28.3	0	1	
AgriMAXX 424	56.8	59.5	4/5	5/15	28.3	0	1	
LA01110D-150	56.7	58.2	4/2	5/10	32.8	7	4	48.7
Terral TV8535	56.6	56.2	4/4	5/16	28.0	0	1	53.0
Syngenta Coker 9553	56.5	60.0	4/2	5/12	30.0	0	6	49.5
Progeny 308	56.3	58.6	4/4	5/14	30.5	2	0	
Syngenta Magnolia	56.2	57.2	4/5	5/15	32.0	0	9	54.9
Progeny 870	56.2	56.8	4/5	5/16	27.0	0	1	51.6
VA08W-294	56.1	57.7	4/6	5/17	30.5	1	1	
Pioneer 26R20	55.9	57.9	4/6	5/15	29.5	5	2	51.0
Dyna-Gro 9171	55.9	57.4	4/5	5/15	28.3	1	0	54.7
VA Jamestown	55.8	59.6	4/2	5/11	28.3	1	10	54.4
Syngenta Arcadia	55.5	56.8	4/2	5/10	29.5	73	25	48.3
USG 3555	55.1	58.7	4/2	5/15	26.0	0	3	47.2
DeltaGrow 7300	55.0	56.0	4/7	5/19	30.8	1	0	
Dixie McAlister	55.0	56.3	3/14	5/17	28.3	0	0	61.0
Progeny 117	54.8	56.3	4/2	5/13	33.8	73	0	43.4
JGL Exp 32111	54.5	56.1	4/5	5/16	27.0	34	0	
AGS 2035	54.4	59.9	4/2	5/16	31.8	6	2	52.3
HBK 3266	54.3	57.2	4/2	5/13	32.8	60	1	48.7
AR01156-2-1	53.7	57.7	4/7	5/18	27.0	6	6	
USG 3201	53.7	59.1	4/7	5/18	28.8	0	2	53.2
LA02015E58	53.6	59.2	4/2	5/13	30.8	0	19	
AR00255-16-1	53.5	56.7	4/4	5/14	27.0	0	8	
Terral TV8525	53.5	58.2	4/5	5/17	27.8	2	0	50.2
Terral LA841	53.5	57.9	4/2	5/13	29.5	0	23	46.5
Syngenta SY Harrison	53.2	56.3	4/6	5/19	27.8	0	1	
Syngenta Oakes	53.1	58.0	4/4	5/15	28.5	1	8	46.2
Croplan Genetics 8925	52.9	57.4	4/5	5/15	32.3	8	1	
AGS 2052	52.9	54.2	4/9	5/18	30.3	1	0	51.6
DeltaGrow 7900	52.9	58.3	4/3	5/15	32.3	10	4	50.3
ARX1109	52.8	57.0	4/5	5/15	27.8	26	0	
Progeny 185	52.8	57.2	4/2	5/15	33.3	71	0	42.4
Dixie Bell DB 620	52.5	56.0	4/6	5/18	29.3	0	1	
Pioneer 26R87	52.5	59.3	4/2	5/14	29.8	0	11	51.9
Croplan Genetics 9004	52.1	58.6	4/2	5/18	32.3	29	2	
AgriMAXX 415	51.9	57.9	4/7	5/17	27.8	0	1	
WBX700	51.3	53.3	4/6	5/21	34.0	47	0	
Terral TV8848	51.3	56.6	4/7	5/18	30.0	0	0	52.5
Pioneer 26R22	51.1	57.8	4/6	5/18	29.0	24	0	50.9
AGS 2026	50.1	58.4	4/2	5/14	28.0	0	1	36.8
Pioneer 26R10	49.7	55.3	4/7	5/15	29.0	0	2	50.3

Table 3. Continued.

Entry Name	Yield (bu/A)	Test weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 4/17	*Septoria* Leaf Blotch (%Plot) 4/17	2-year Average (bu/A)
Dixie Bell DB 412	49.0	54.1	4/7	5/15	29.0	0	0	
LA02024E12	48.5	58.1	4/4	5/15	28.0	0	8	
Pioneer 25R32	47.8	55.9	4/8	5/15	30.8	0	0	40.9
AG Exp 05247	47.5	56.0	4/7	5/21	32.5	0	2	
LA02015E201	45.3	59.4	4/2	5/14	27.8	0	11	
Armor Rampage	44.5	54.0	4/6	5/19	29.0	0	5	
LA04110D-7	44.5	60.6	4/2	5/14	30.8	39	5	
AG1189	43.2	54.9	4/4	5/14	26.8	44	1	
JGL Exp 32113	34.6	55.6	4/6	5/21	31.5	0	2	
Mean	55.9	57.5	4/4	5/16	30.3	8	3	
LSD (5%)	17.1	2.8	10.0	4.6	4.3	20	8	
CV (%)	15.5	2.5	5.3	1.7	7.2	122	149	

STANDARD INPUT WHEAT TEST
LON MANN COTTON RESEARCH STATION, MARIANNA, ARK.

SOIL SERIES ..... Loring silt loam
PREVIOUS CROP..... Fallow
PLANTING DATE ..... November 1, 2011
FERTILIZER ..... 90 lb of N/A + 24 lb of S/A on Feb 24, 2012; 60 lb of N/A + 24 lb of S/A, March 16, 2012
HERBICIDE ..... None
INSECTICIDE ..... 2oz/A of Mustang Max on April 7, 2012
HARVEST DATE..... May 25, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Marianna	2.24	6.77	9.49	1.92	3.96	5.44	1.12	1.50	32.44
Marianna normal	3.00	4.40	4.80	4.40	4.10	5.40	5.50	5.20	36.80
Marianna departure	-0.76	2.37	4.69	-2.48	-0.14	0.04	-4.38	-3.70	-4.36

Table 4. Performance of wheat cultivars in the standard input test, Marianna.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 3/19	2-year Average (bu/A)	3-year Average (bu/A)
AGS 2026	91.5	63.9	3/24	4/20	32.3	0	89.8	75.1
ARX1107	86.6	63.5	3/30	4/27	33.3	0		
DeltaGrow 8600	86.6	64.4	3/30	5/1	30.8	0		
Terral TV8848	86.1	63.0	4/1	5/1	32.5	0	88.7	
AGS 2038	85.4	65.0	3/29	4/30	36.0	0	80.1	
JGL Exp 32113	85.1	61.7	3/31	5/4	34.0	0		
Pioneer XW10T	84.7	64.3	3/31	5/1	29.8	0		
Terral TV8525	84.1	65.3	3/30	5/4	31.0	1	86.9	
AGS 2060	84.0	66.6	3/26	4/30	36.3	0	78.2	66.3
Pioneer XW10V	84.0	63.9	4/1	5/1	29.0	0		
USG 3438	83.7	62.9	4/1	5/1	30.8	0	87.7	74.6
AgriMAXX 424	83.7	64.4	3/31	5/5	30.3	0		
Pioneer 26R10	82.6	60.2	4/1	5/6	31.5	0	87.5	
AgriMAXX 413	82.2	62.6	4/1	5/2	31.5	0		
ARX1133	81.7	63.5	3/31	5/2	30.8	0		
Progeny 870	81.3	61.7	3/31	5/2	31.3	0	86.3	
Pioneer 26R22	81.2	63.8	3/31	5/4	32.3	6	84.6	70.5
Progeny 125	81.0	64.6	3/24	4/27	30.0	0	84.1	73.5
USG 3562	81.0	65.9	3/30	4/29	30.3	0		
Pioneer 26R87	81.0	66.5	3/24	4/29	33.3	0	81.9	69.9
VA08W-294	80.7	66.1	3/28	4/30	31.5	1		
JGL Exp 32110	80.6	63.3	3/31	5/1	30.5	0		
Dyna-Gro 9171	80.5	64.7	3/31	5/2	29.5	0	89.2	
Syngenta SY Harrison	80.5	62.7	4/2	4/29	31.5	0		
Dixie Bell DB 620	80.2	61.0	3/31	5/3	32.0	0		
Terral LA841	80.0	65.4	3/19	4/28	32.0	0	79.5	68.4
Dixie Exp 1112	79.9	62.7	4/1	5/2	34.8	0		
Syngenta Magnolia	79.7	64.0	3/28	5/1	33.3	0	76.1	65.1

Table 4. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 3/19	2-year Average (bu/A)	3-year Average (bu/A)
Armor Ricochet	79.4	61.9	4/2	5/1	30.0	2	85.5	72.6
Terral TV8861	79.3	64.6	4/2	5/3	31.5	0	84.1	73.9
Dyna-Gro Baldwin	78.4	63.8	3/28	5/3	36.8	8	78.6	65.9
USG 3120	78.4	63.9	3/21	4/29	32.8	0	84.4	70.3
AGS 2056	78.2	62.6	4/2	5/5	31.0	0	84.4	
LA02015E58	78.2	66.7	3/22	4/22	31.5	1		
Dixie Kelsey	77.6	66.1	4/2	5/4	31.3	0	84.3	
Terral TV8535	77.2	60.9	4/1	5/5	30.3	0	85.4	
Dixie Bell DB 999	77.0	62.9	3/30	5/1	30.8	0		
VA Jamestown	76.6	67.1	3/22	4/27	28.0	0	80.0	69.7
Syngenta Oakes	76.4	64.3	3/30	4/29	30.5	0	75.3	74.0
Croplan Genetics 8302	76.3	63.7	3/31	5/1	32.5	0	79.5	72.6
Syngenta Coker 9553	76.1	65.2	3/27	4/28	30.5	0	75.3	68.2
Pioneer 25R32	76.0	63.3	4/4	5/2	31.8	0	79.7	70.8
GA-021245-9E16	75.9	65.4	3/23	4/27	33.3	0		
Armor Rampage	75.8	61.1	3/28	5/3	31.3	0		
Dixie McAlister	75.5	63.9	3/31	4/30	30.5	0	84.9	
Pioneer 26R20	75.4	65.4	4/1	5/1	31.3	1	84.8	73.1
DeltaGrow 7500	75.2	61.8	4/1	5/3	30.5	0	82.7	
AGS 2035	75.0	64.7	3/24	5/1	33.3	2	80.0	69.3
AG Exp 05247	74.8	63.4	4/3	5/5	34.8	0		
LA04026D-7	74.6	64.6	3/23	4/29	34.5	0		
DeltaGrow 7900	74.5	65.3	3/29	5/1	32.3	1	80.5	
LA02024E12	74.5	64.1	3/25	4/21	32.8	0		
AgriMAXX 415	74.3	66.3	3/30	5/1	30.5	0		
Dixie Bell DB 412	74.1	61.6	4/3	5/1	31.8	0		
Dyna-Gro 9012	74.1	64.3	4/1	5/5	31.5	0	81.8	74.4
LA02015E201	73.9	64.9	3/23	4/19	32.3	2		
Progeny 308	73.2	61.2	3/30	5/1	30.8	0		
USG 3555	72.9	62.6	3/27	4/29	27.5	0	79.9	71.4
HBK 3266	72.6	63.3	3/25	4/28	32.5	8	74.8	63.5
Progeny 357	72.6	60.8	4/4	5/4	30.8	0	78.5	
AR00255-16-1	72.3	64.7	4/1	5/3	29.0	0		
Dyna-Gro 9053	71.8	59.6	4/3	5/1	31.8	1	76.6	
ARX1109	71.8	63.4	3/31	5/3	29.5	2		
JGL Exp 32111	71.4	62.4	3/31	5/5	30.8	0		
LA01110D-150	71.4	64.3	3/23	4/26	33.3	6	76.9	71.1
AGS CL-7	71.3	62.5	3/23	4/29	30.5	7	75.0	
USG 3201	71.1	64.4	4/1	5/5	31.0	0	82.0	66.9
DeltaGrow 5000	70.9	64.9	3/23	4/20	30.0	0		
Progeny PGX 11-14	70.3	63.6	3/31	5/3	34.3	0		
AR01156-2-1	69.9	61.6	4/3	5/4	26.5	1		
Progeny 185	69.7	62.7	3/28	5/1	31.8	3	77.9	69.3
Croplan Genetics 9004	69.6	64.5	3/29	5/1	33.0	4		
AGS 2052	69.2	59.6	4/2	5/1	30.3	0	76.2	
Terral TV8626	68.2	59.9	4/4	5/5	31.0	1	76.3	

Table 4. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Stripe Rust (%Plot) 3/19	2-year Average (bu/A)	3-year Average (bu/A)
DeltaGrow 7300	67.0	60.0	4/4	5/6	31.0	1		
Syngenta Arcadia	66.9	63.6	3/23	4/26	29.5	21	73.9	64.2
Pioneer 26R15	66.8	63.8	4/3	5/3	32.0	0	75.2	67.3
JGL Exp 32112	66.3	64.7	4/3	5/5	32.8	1		
LA04110D-7	64.5	65.2	3/24	4/29	32.5	10		
Progeny 117	59.7	64.9	3/28	4/27	32.0	9	66.2	55.8
Croplan Genetics 8925	59.0	63.2	4/2	5/3	32.5	1		
WBX700	55.4	61.6	4/5	5/6	29.8	17		
AG1189	47.1	61.5	4/1	5/2	29.5	4		
Mean	75.5	63.5	3/30	5/1	31.6	2		
LSD (5%)	15.9	4.6	3.5	2.3	2.7	8		
CV (%)	10.7	3.6	2.0	1.0	4.4	226		

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

SOIL SERIES .....Sharkey/Desha silt loam
PREVIOUS CROP.....Soybeans
PLANTING DATE.....October 26, 2011
FERTILIZER .....60 units N/A on Feb. 28, 2012; 75 units N/A on March 19, 2012.
HERBICIDE .....3.5oz/A Powerflex on January 27, 2012
INSECTICIDE.....None
HARVEST DATE.....May 18, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Rohwer	2.33	3.73	1.32	1.92	2.93	4.36	2.97	0.61	20.17
Rohwer normal	4.50	5.60	6.70	3.40	5.50	5.20	3.50	4.70	39.10
Rohwer departure	-2.17	-1.87	-5.38	-1.25	-2.57	-0.84	-0.53	-4.09	-11.16

Table 5. Performance of wheat cultivars in the standard input test, Rohwer.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodge (1-5)	Stripe Rust (0-9) 4/10	Stripe Rust (0-9) 4/19	Leaf Rust (0-9) 4/10	Leaf Rust (0-9) 4/19	2-year Average (bu/A)
AGS 2038	112.6	59.5	3/22	5/6	39.8	1.0	0	1	0	1	105.6
JGL Exp 32112	112.0	59.9	4/1	5/9	37.0	1.0	1	1	0	1	
JGL Exp 32110	110.6	60.0	3/29	5/9	34.5	1.0	0	0	1	4	
Pioneer 26R20	108.2	60.1	3/31	5/6	36.0	1.0	1	0	1	1	101.3
Terral TV8535	103.6	60.9	3/29	5/8	34.3	1.3	0	0	1	3	100.9
AGS 2060	102.5	59.7	3/22	5/5	34.5	1.0	0	2	0	2	99.3
Syngenta SY Harrison	101.8	60.7	3/31	5/7	34.8	1.0	0	0	2	4	
Pioneer 26R87	101.8	60.5	3/18	5/4	34.5	1.0	1	2	2	1	98.9
DeltaGrow 7500	101.2	61.0	3/28	5/8	34.0	1.5	1	1	1	2	102.1
LA01110D-150	101.0	61.0	3/22	5/5	32.3	1.3	0	1	1	2	94.6
VA08W-294	100.9	60.2	3/21	5/6	33.8	1.3	0	1	0	1	
Pioneer XW10V	100.3	60.5	3/27	5/6	32.0	1.0	0	0	1	2	
USG 3201	99.7	60.7	3/28	5/6	34.3	1.0	1	0	2	3	101.6
Progeny 870	99.6	61.1	3/29	5/8	34.8	1.0	0	0	2	3	103.9
AR00255-16-1	99.3	61.1	4/1	5/7	31.5	1.3	1	0	1	1	
AG Exp 05247	98.7	59.2	3/31	5/11	36.5	1.0	2	1	1	1	
Dixie McAlister	98.5	60.9	3/31	5/7	34.0	1.0	0	0	1	1	102.6
Dixie Bell DB 620	97.9	61.0	3/31	5/8	35.0	1.3	0	1	1	4	
Armor Ricochet	97.6	61.0	3/30	5/6	32.3	1.0	2	1	1	1	104.2
Pioneer 26R22	97.5	61.0	3/27	5/6	35.3	1.0	2	4	1	4	100.5
Dyna-Gro Baldwin	97.5	58.9	3/30	5/9	40.3	1.0	2	4	1	1	100.3
AgriMAXX 415	97.4	60.8	3/30	5/6	32.8	1.0	0	1	2	2	
Pioneer 26R15	97.2	60.5	4/1	5/8	35.8	1.0	1	0	1	3	95.0
ARX1133	97.1	61.2	3/31	5/8	33.8	1.0	1	0	2	3	
AGS 2056	97.0	61.2	3/30	5/7	33.3	1.3	0	0	1	2	101.1
USG 3120	96.7	60.4	3/20	5/5	33.3	1.3	2	3	3	3	98.1

Table 5. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodge (1-5)	Stripe Rust (0-9) 4/10	Stripe Rust (0-9) 4/19	Leaf Rust (0-9) 4/10	Leaf Rust (0-9) 4/19	2-year Average (bu/A)
Dixie Kelsey	96.5	60.5	3/29	5/6	32.8	1.0	0	0	2	2	98.8
AGS 2035	96.1	60.7	3/21	5/4	34.8	1.3	1	2	0	1	97.8
Dyna-Gro 9171	95.8	61.1	3/30	5/7	33.8	1.5	0	0	1	3	101.1
AgriMAXX 413	95.6	61.3	3/29	5/7	33.5	1.5	0	0	2	3	
Dixie Bell DB 412	95.4	60.9	3/31	5/9	34.5	1.0	0	0	1	4	
Dixie Exp 1112	95.2	61.3	3/31	5/6	38.3	1.3	0	0	3	6	
LA04026D-7	94.8	59.9	3/21	5/2	33.5	1.0	0	0	0	2	
Syngenta Oakes	94.7	60.5	3/29	5/6	34.3	2.0	1	1	1	2	92.1
Dyna-Gro 9012	94.5	60.6	3/28	5/5	33.8	1.3	0	0	2	2	95.1
USG 3438	94.0	61.2	3/30	5/7	33.0	1.0	0	0	2	3	98.3
AR01156-2-1	93.9	61.0	3/29	5/8	31.3	1.0	2	3	1	2	
Pioneer XW10T	93.0	60.8	3/29	5/7	33.0	1.3	0	0	1	5	
AGS 2026	91.4	61.2	3/20	4/30	30.5	2.3	0	1	0	1	87.0
Terral TV8525	91.0	61.0	3/28	5/8	33.5	1.3	1	1	2	4	97.2
JGL Exp 32111	90.9	61.2	3/27	5/6	33.3	1.5	2	3	2	5	
Progeny PGX 11-14	90.5	61.4	3/29	5/7	36.8	1.3	0	0	2	6	
Terral TV8848	90.4	60.9	3/31	5/7	34.3	1.3	1	0	2	4	91.2
LA02024E12	90.1	61.6	3/20	5/3	32.0	1.0	0	1	0	2	
VA Jamestown	89.8	61.4	3/18	5/2	29.8	1.8	0	1	1	2	94.3
Pioneer 26R10	89.7	61.3	4/1	5/7	34.0	1.0	1	0	2	6	94.8
Terral LA841	89.1	61.6	3/22	5/1	31.5	1.8	1	0	1	1	91.1
ARX1109	89.0	61.1	3/29	5/5	32.3	1.0	3	4	1	4	
Syngenta Magnolia	88.7	61.6	3/25	5/3	35.8	1.5	0	0	1	4	89.2
Dixie Bell DB 999	88.2	61.5	3/29	5/6	34.0	1.3	0	0	4	6	
HBK 3266	88.1	60.9	3/22	5/3	34.0	2.5	3	3	0	1	91.0
DeltaGrow 8600	87.9	61.3	3/29	5/5	34.3	1.3	0	0	3	5	
USG 3555	87.9	60.9	3/26	5/6	30.8	2.0	1	0	1	4	93.5
Progeny 308	87.8	61.1	3/29	5/8	33.3	1.0	0	1	2	4	
Terral TV8861	86.3	60.8	3/31	5/8	32.8	1.3	0	0	2	5	94.6
USG 3562	85.7	61.4	3/31	5/5	33.5	1.3	0	0	3	7	
Syngenta Coker 9553	85.3	61.2	3/26	5/4	33.0	2.0	0	1	2	3	92.3
Progeny 357	84.0	61.9	4/1	5/8	34.8	1.0	1	0	1	4	89.8
Armor Rampage	83.5	61.7	3/27	5/7	35.3	2.0	1	0	3	7	
Pioneer 25R32	83.3	61.3	4/2	5/7	34.8	1.8	0	0	2	5	86.4
AGS CL-7	82.8	61.7	3/18	5/2	30.5	1.8	3	3	3	2	88.7
JGL Exp 32113	81.8	61.7	3/30	5/6	36.5	1.0	0	0	2	7	
Terral TV8626	81.7	61.9	3/31	5/7	34.5	1.3	2	1	3	5	90.5
DeltaGrow 7900	81.4	61.7	3/28	5/7	36.8	2.0	1	1	3	6	89.6
Croplan Genetics 8925	81.1	61.5	3/26	5/9	37.3	1.0	2	6	2	3	
Progeny 185	80.1	61.8	3/27	5/6	36.3	2.0	3	4	3	5	87.1
Croplan Genetics 8302	79.7	61.6	3/29	5/6	35.5	1.0	0	1	3	6	88.4
LA02015E201	78.8	62.1	3/18	5/2	31.3	1.0	0	0	0	1	
ARX1107	78.4	61.9	3/29	5/5	35.5	1.0	0	0	5	7	
LA02015E58	78.4	61.8	3/18	5/3	31.0	1.3	1	2	0	3	
LA04110D-7	78.3	62.3	3/19	5/4	31.8	1.3	4	4	2	3	
Syngenta Arcadia	77.1	61.9	3/18	5/5	31.0	2.0	4	4	1	1	80.7
Dyna-Gro 9053	76.6	62.3	3/31	5/8	35.3	1.0	1	0	2	6	88.9
WBX700	75.4	59.9	4/1	5/13	37.0	1.3	4	7	1	5	

Table 5. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodge (1-5)	Stripe Rust (0-9) 4/10	Stripe Rust (0-9) 4/19	Leaf Rust (0-9) 4/10	Leaf Rust (0-9) 4/19	2-year Average (bu/A)
DeltaGrow 5000	75.3	62.2	3/22	5/3	31.3	1.8	0	1	4	4	
DeltaGrow 7300	74.9	62.5	4/1	5/7	35.0	1.3	0	0	2	5	
Progeny 125	72.9	62.5	3/22	5/2	30.3	1.8	0	1	3	3	83.1
GA-021245-9E16	72.2	61.4	3/18	5/1	31.5	1.0	1	2	0	2	
Croplan Genetics 9004	71.8	62.3	3/25	5/5	37.3	2.3	1	2	3	5	
AgriMAXX 424	69.9	62.6	3/30	5/5	31.8	1.5	0	1	4	6	
AGS 2052	68.2	62.9	3/31	5/7	35.3	1.3	1	0	3	6	84.6
AG1189	65.8	62.7	4/1	5/7	32.8	1.8	4	6	2	5	
Progeny 117	59.4	63.1	3/20	5/4	35.5	3.3	1	4	5	2	73.3
Mean	89.7	61.2	3/27	5/6	34.0	1.3	1	2	3	1	
LSD (5%)	14.3	1.0	2.4	3.5	2.5	0.7	1	1	3	2	
CV (%)	8.1	0.8	1.4	1.4	3.7	27.9	76	48	43	78	

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

SOIL SERIES .....Crowley silt loam
PREVIOUS CROP.....Fallow
PLANTING DATE .....November 2, 2011
FERTILIZER .....70 units of N/A on Feb 23, 2012; 50 units of N/A on March 15, 2012
HERBICIDE .....None
INSECTICIDE .....2 oz/A of Tombstone on April 4, 2012
FUNGICIDE .....None
HARVEST DATE.....May 17, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Stuttgart	1.40	5.73	6.39	1.87	4.03	3.34	2.14	1.62	26.52
Stuttgart normal	3.70	5.50	4.70	3.50	3.40	4.90	5.00	4.80	35.50
Stuttgart departure	-2.30	0.23	1.69	-1.63	0.63	-1.56	-2.86	-3.18	-8.98

Table 6. Performance of wheat cultivars in the standard input test, Stuttgart.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Plant Height (in.)
JGL Exp 32110	76.5	63.6	3/27	28.5
USG 3201	76.0	66.9	3/28	25.0
Terral TV8525	75.7	66.3	3/26	25.5
ARX1109	74.4	63.3	3/27	26.5
ARX1107	73.2	64.3	3/28	27.5
Syngenta SY Harrison	72.9	63.4	3/28	26.0
Terral TV8861	72.3	61.6	3/30	29.5
JGL Exp 32111	72.1	61.3	3/26	25.5
Dixie McAlister	72.0	62.8	3/26	26.5
Dyna-Gro 9053	71.0	63.0	3/30	28.5
Dixie Bell DB 620	70.8	62.5	3/28	28.0
Pioneer XW10V	70.6	65.2	3/28	26.5
Dixie Kelsey	70.6	65.2	3/27	25.5
Progeny 870	70.3	62.8	3/27	29.5
USG 3120	70.1	62.2	3/25	29.0
HBK 3266	69.9	64.4	3/26	28.0
Dixie Bell DB 999	69.7	64.6	3/27	28.0
USG 3562	69.6	64.7	3/26	28.0
DeltaGrow 7300	69.5	61.3	3/30	29.0
Progeny PGX 11-14	69.3	61.8	3/28	30.0
Terral TV8535	69.1	64.1	3/26	25.5
Dixie Exp 1112	68.9	62.1	3/28	30.0
JGL Exp 32113	68.6	62.0	3/29	29.0
DeltaGrow 7500	68.5	62.5	3/27	26.0
Terral TV8626	68.3	60.6	3/30	29.0
Progeny 308	68.2	63.5	3/26	27.0

Table 6. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Plant Height (in.)
Terral TV8848	67.9	62.8	3/28	28.5
AGS 2038	67.8	64.8	3/30	32.5
AgriMAXX 413	67.6	65.1	3/27	26.5
AgriMAXX 424	67.6	63.3	3/26	29.0
AgriMAXX 415	66.7	63.0	3/27	28.0
Progeny 185	66.5	63.1	3/26	30.5
Pioneer 26R10	66.4	61.5	3/29	27.5
Dyna-Gro 9012	66.4	62.7	3/27	27.0
Pioneer 26R20	66.0	63.8	3/29	25.5
WBX700	65.8	59.6	3/31	29.5
DeltaGrow 8600	65.7	64.7	3/21	28.0
Armor Rampage	65.5	62.2	3/26	28.5
AGS 2052	65.3	60.4	3/31	28.0
Dyna-Gro 9171	65.1	60.4	3/27	25.5
VA08W-294	65.0	62.9	3/27	28.0
AGS 2056	64.9	62.3	3/27	24.0
Syngenta Coker 9553	64.8	63.4	3/26	27.0
LA04026D-7	64.7	62.6	3/25	28.5
Croplan Genetics 9004	64.5	63.0	3/26	28.0
Syngenta Magnolia	64.5	62.8	3/26	30.0
Pioneer XW10T	64.2	61.6	3/28	25.5
LA01110D-150	64.0	61.1	3/26	30.0
Progeny 357	63.8	60.3	3/31	28.0
AGS 2035	63.6	62.3	3/26	31.0
USG 3438	63.1	61.4	3/27	27.0
AGS CL-7	63.0	61.0	3/25	27.0
AR01156-2-1	62.6	63.1	3/30	23.0
DeltaGrow 7900	62.3	64.3	3/26	26.0
Dyna-Gro Baldwin	62.1	64.3	3/31	32.0
AGS 2026	62.0	63.1	3/26	23.0
Dixie Bell DB 412	61.9	59.4	3/29	25.0
Croplan Genetics 8302	61.7	62.5	3/26	27.5
Croplan Genetics 8925	61.7	65.7	3/30	27.0
Progeny 117	61.6	61.3	3/21	29.5
DeltaGrow 5000	61.6	62.9	3/26	25.5
ARX1133	61.5	60.0	3/27	27.0
Syngenta Oakes	61.2	62.4	3/26	27.0
GA-021245-9E16	61.1	63.7	3/26	30.0
Pioneer 26R87	60.8	63.6	3/26	28.5
LA04110D-7	60.6	66.3	3/26	25.0
Pioneer 25R32	60.5	61.7	3/31	27.0
AR00255-16-1	60.3	62.4	3/29	24.0
Pioneer 26R22	60.1	62.0	3/27	25.5
Armor Ricochet	60.0	59.8	3/29	25.5
Terral LA841	59.4	61.3	3/25	27.0
USG 3555	59.4	61.5	3/26	26.0
Progeny 125	59.1	60.2	3/26	26.5

Table 6. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Plant Height (in.)
VA Jamestown	59.0	64.2	3/26	22.5
AG1189	58.7	62.0	3/29	26.5
Syngenta Arcadia	58.1	61.8	3/26	27.0
AGS 2060	58.1	63.7	3/26	33.0
LA02015E58	55.9	62.1	3/25	24.5
LA02015E201	55.7	62.7	3/26	28.0
LA02024E12	55.3	63.3	3/26	29.5
JGL Exp 32112	54.9	62.1	4/1	28.0
Pioneer 26R15	54.2	61.9	3/29	27.5
AG Exp 05247	50.8	61.8	3/31	29.5
Mean	64.9	62.7	3/27	27.5
LSD (5%)	12.0	5.0	3.6	2.9
CV (%)	9.4	4.1	2.1	5.3

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

SOIL SERIES .....Crowley silt loam
PREVIOUS CROP.....Fallow
PLANTING DATE.....November 2, 2011
FERTILIZER .....90 units of N/A on Feb 23, 2012; 60 units of N/A on March 15, 2012
HERBICIDE .....None
INSECTICIDE.....4 oz/A of Tombstone on April 4, 2012
FUNGICIDE.....4 oz/A of Tilt on April 5, 2012
HARVEST DATE.....May 17, 2012
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Stuttgart	1.40	5.73	6.39	1.87	4.03	3.34	2.14	1.62	26.52
Stuttgart normal	3.70	5.50	4.70	3.50	3.40	4.90	5.00	4.80	35.50
Stuttgart departure	-2.30	0.23	1.69	-1.63	0.63	-1.56	-2.86	-3.18	-8.98

Table 7. Performance of wheat cultivars in the high input test, Stuttgart.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Plant Height (in.)	Septoria Leaf Blotch (0-9) 4/2
Syngenta SY Harrison	71.7	60.3	30.0	2
ARX1107	71.0	60.9	27.0	2
JGL Exp 32111	70.3	60.5	26.5	2
JGL Exp 32110	69.2	60.7	28.5	3
USG 3120	69.0	61.5	28.0	4
DeltaGrow 7300	68.8	59.8	28.0	2
Terral TV8861	68.7	60.1	29.0	2
Dixie Exp 1112	68.7	59.8	29.5	2
ARX1133	68.4	60.1	27.5	2
USG 3201	67.8	61.4	27.0	2
Pioneer XW10T	67.6	60.2	26.0	3
AgriMAXX 413	67.2	59.9	25.5	2
ARX1109	66.8	60.1	24.5	2
Dixie Bell DB 620	66.7	59.8	28.0	3
Progeny 357	66.6	59.7	27.0	2
Dyna-Gro 9053	66.5	59.0	28.5	2
AgriMAXX 415	66.3	61.3	25.0	2
Armor Ricochet	66.3	60.0	25.5	3
Progeny 870	66.3	60.3	27.5	2
Dixie Bell DB 999	66.1	60.9	28.0	3
Pioneer XW10V	66.1	60.8	27.0	3
Dixie Kelsey	66.0	61.2	27.5	3
Dyna-Gro 9012	65.9	61.5	24.0	2

Table 7. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Plant Height (in.)	Septoria Leaf Blotch (0-9) 4/2
Pioneer 26R22	65.8	60.9	27.0	4
Terral TV8535	65.7	60.1	26.0	3
Terral TV8626	65.6	60.1	26.5	3
Dixie Bell DB 412	65.6	59.3	26.5	2
Terral TV8525	65.4	60.8	26.0	2
Progeny 185	65.2	60.0	29.0	3
AgriMAXX 424	65.1	60.6	26.0	2
Pioneer 26R10	65.0	59.5	26.5	2
USG 3438	64.9	60.2	27.0	2
USG 3562	64.8	60.8	27.5	3
AR01156-2-1	64.5	61.0	25.0	3
AGS 2052	64.3	59.2	26.5	2
WBX700	64.3	58.3	28.5	2
DeltaGrow 8600	64.2	60.6	27.5	3
Syngenta Magnolia	64.2	61.1	31.0	3
Terral TV8848	64.1	59.7	28.5	2
JGL Exp 32113	64.0	59.5	29.0	3
Progeny PGX 11-14	63.8	59.2	28.0	2
Progeny 308	63.8	60.2	26.5	3
Croplan Genetics 8302	63.4	60.4	28.0	3
Dixie McAlister	63.2	60.1	27.5	2
AG1189	63.1	60.7	26.5	2
Dyna-Gro 9171	62.6	59.4	28.0	3
AGS 2038	62.6	61.1	30.5	3
Pioneer 26R20	62.5	61.2	26.5	1
LA01110D-150	62.4	59.9	29.0	3
JGL Exp 32112	62.4	61.1	29.5	2
AGS 2056	62.3	59.9	26.0	2
AR00255-16-1	62.2	60.7	25.5	2
Croplan Genetics 8925	62.2	60.8	27.0	1
AGS 2026	61.6	59.8	29.0	5
DeltaGrow 7500	61.4	59.9	27.5	2
Pioneer 26R15	60.9	60.7	29.0	2
DeltaGrow 7900	60.9	60.4	27.0	3
VA08W-294	60.7	60.4	26.5	2
HBK 3266	60.6	59.3	29.0	6
AGS 2035	60.5	60.1	30.0	4
AGS 2060	60.3	61.5	32.0	2
Progeny 117	60.1	59.8	28.0	4
Terral LA841	59.8	59.4	26.5	4
Progeny 125	59.6	58.9	26.0	5
AGS CL-7	59.5	59.3	27.5	5
Pioneer 26R87	59.5	60.8	28.5	5
USG 3555	59.4	59.7	25.0	4
Syngenta Oakes	59.4	59.9	24.5	4
LA04026D-7	59.3	61.1	28.5	4
Pioneer 25R32	58.9	60.0	27.5	1
LA04110D-7	58.4	60.7	27.5	6

Table 7. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Plant Height (in.)	Septoria Leaf Blotch (0-9) 4/2
GA-021245-9E16	58.2	61.0	30.0	5
Armor Rampage	57.7	58.1	28.0	4
Syngenta Coker 9553	57.6	60.9	26.5	4
DeltaGrow 5000	57.5	58.8	28.0	5
Dyna-Gro Baldwin	57.2	60.6	29.5	3
Croplan Genetics 9004	56.1	59.9	28.0	3
VA Jamestown	54.1	59.5	23.5	6
AG Exp 05247	53.9	59.7	30.5	1
LA02015E201	53.2	60.4	26.5	6
LA02024E12	52.2	61.0	28.5	3
Syngenta Arcadia	52.0	60.5	27.5	4
LA02015E58	51.9	60.6	24.0	5
Mean	62.9	60.2	27.5	3
LSD (5%)	7.5	1.3	3.1	2
CV (%)	6.1	1.1	5.7	26

PARTICIPANTS AND ENTRIES
2011-2012 WHEAT VARIETY TEST

Company	Variety
Ag Alumni Seed 702 State Rd28E Romney, IN 47981	AG1189 AGExp05247
AgriMaxx Wheat Company 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX 413 AgriMAXX 415 AgriMAXX 424
AG South Genetics P.O. Box 72246 Albany, GA 31708-2246	AGS 2035 AGS 2060 AGS 2052 AGS 2056 AGS 2026 AGS 2038
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor Ricochet Armor Rampage ARX1107 ARX1109 ARX1133
B & S Seed Company, Inc. 1283 HWY. 444 Duncan, MS 38740	Dixie Bell DB 412 Dixie Bell DB 620 Dixie Bell DB 999
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Dixie McAlister Dixie Kelsey Dixie Exp 1112
Croplan Genetics P.O. Box 1351 Blytheville, AR 72315	Croplan Genetics 8302 Croplan Genetics 8925 Croplan Genetics 9004
Delta Grow Seed 220 NW 2nd Street England, AR 72046	Delta Grow 5000 Delta Grow 7300 Delta Grow 7500 Delta Grow 7900 Delta Grow 8600

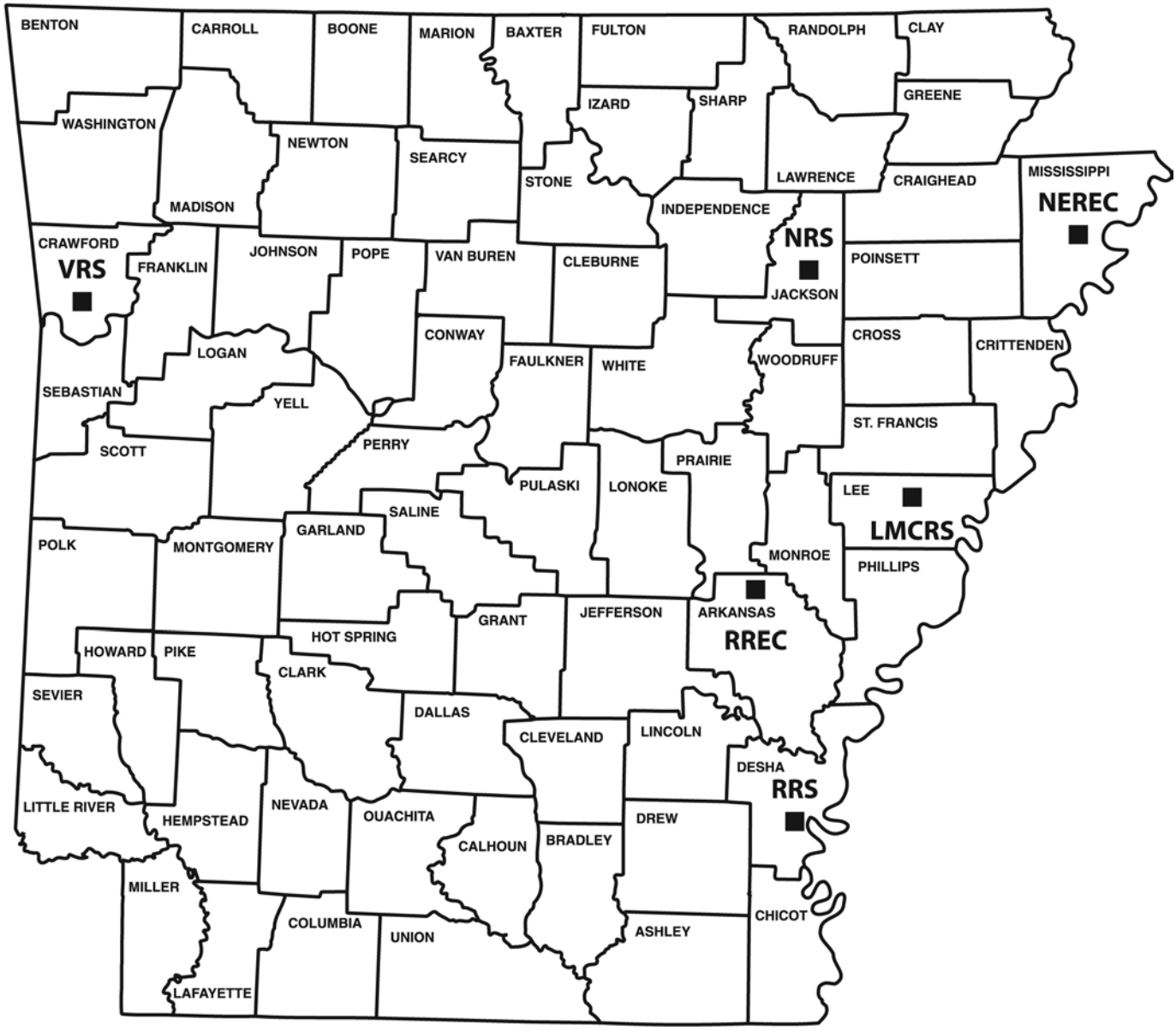
PARTICIPANTS AND ENTRIES, Continued.

Company	Variety
Dyna-Gro Seed 6221 Riverside Dr. Suite One Dublin, OH 43017	Dyna-Gro 9012 Dyna-Gro 9053 Dyna-Gro 9171 Dyna-Gro Baldwin
Hornbeck Seed Co. 210 Drier Road DeWitt, AR 72042	HBK 3266
JGL Incorporated 3540 S. US 231 Greencastle, IN 46135	JGL EXP 32110 JGL EXP 32111 JGL EXP 32112 JGL EXP 32113
Pioneer Hi-Bred Int'l, Inc. 700 Boulevard South Ste. 302 Huntsville, AL 35802	Pioneer Variety 25R32 Pioneer Variety 26R10 Pioneer Variety 26R15 Pioneer Variety 26R20 Pioneer Variety 26R22 Pioneer Variety 26R87 Pioneer Variety XW10T Pioneer Variety XW10V
Progeny Ag Products 1529 Hwy 192 South Wynne, AR 72396	Progeny 117 Progeny 125 Progeny 185 Progeny 357 Progeny 870 Progeny PGX11-14 Progeny 308
Syngenta Seed 778 CR 680 Bay, AR 72411	Syngenta Arcadia Syngenta Coker 9553 Syngenta Magnolia Syngenta Oakes Syngenta SY Harrison

Company	Variety
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral LA841 Terral TVX8535 Terral TVX8626 Terral TVX8525 Terral TV8861 Terral TVX8848
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 3555 USG 3201 USG 3438 USG 3120 USG 3562 AGS CL-7
WestBred 6025 W. 300 S Lafayette, IN 47909	WBX700

Public Institutions	**Variety**
Louisiana State University Agronomy Department 221 M.B. Sturgis Hall Baton Rouge, LA 70803-2110	LA01110D-150 LA02015E201 LA02015E58 LA02024E12 LA04026D-7 LA04110D-7
University of Georgia 1109 Experiment St. Griffin, GA 30223	GA-021245-9E16
University of Arkansas 115 Plant Sciences Building Fayetteville, AR 72701	AR00255-16-1 AR01156-2-1
VA Tech EVAREC 2229 Menokin Road Warsaw, VA 22572	VA Jamestown VA08W-294

WHEAT TEST LOCATIONS



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

DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System