8-1-2015

Arkansas Wheat Cultivar Performance Tests 2014-2015

R. E. Mason
University of Arkansas, Fayetteville

R. G. Miller
University of Arkansas, Fayetteville

D. E. Moon
University of Arkansas, Fayetteville

J. P. Kelley

Arkansas Wheat Cultivar Performance Tests 2014-2015

R.E. Mason, R.G. Miller, D.E. Moon, and J.P. Kelley

DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

ARKANSAS AGRICULTURAL EXPERIMENT STATION

August 2015 Research Series 627

This publication is available on the internet at: http://arkansasagnews.uark.edu/1356.htm and at www.arkansasvarietytesting.com

Technical editing and cover design by Gail Halleck

Arkansas Agricultural Experiment Station, University of Arkansas System Division of Agriculture, Fayetteville. Mark J. Cochran, Vice President for Agriculture; Clarence E. Watson, Associate Vice-President for Agriculture–Research and Director, AAES. SG300/InddCS6.

ISSN: 1941-1596 CODEN: AKAMA6

ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS

2014-2015

R.E. Mason
R.G. Miller
D.E. Moon
J.P. Kelley

Arkansas Agricultural Experiment Station
University of Arkansas System
Division of Agriculture
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
Peter Rohman, Program Technician
Andrea Acuna, Graduate Student
Nelly Arguello, Graduate Student
Christopher Addison, Graduate Student
Dennis Lozada, Graduate Student
Lucas Vieira, Graduate Student
Ben Lopez, Undergraduate Assistant
Aaron Manjarrez-Dominguez, Undergraduate Assistant

Northeast Research and Extension Center, Keiser
Fred Bourland, Center Director
Shawn Lancaster, Program Technician
Brittany Hallett, Program Technician

Vegetable Substation, Kibler
Dennis Motes, Resident Director
Steven Eaton, Program Associate

Lon Mann Cotton Research Station, Marianna
Claude Kennedy, Resident Director
Bob Glover, Volunteer

Newport Extension Center, Newport
Bob Scott, Resident Director

Rohwer Research Station, Rohwer
Larry Earnest, Resident Director
Scott Hayes, Program Technician
Linda Martin, Program Technician

Rice Research and Extension Center, Stuttgart
Chuck Wilson, Center Director
Ronnie Sherman, Program Technician

CONTENTS

ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS[1] 2014-2015

R.E. Mason[2], R.G. Miller[2], D.E. Moon[2], and J.P. Kelley[2]

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 Newport Extension Center near Newport, the Rohwer Research Station near Rohwer, and the Rice Research and Extension Center near 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 top-dress nitrogen and a 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 108 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 test at Rohwer was planted using a grain drill with 9 rows 6 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 (lbs/bu), were determined using the Harvest Master Pro 4100 at 13.0% moisture.

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 of year 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 unless otherwise noted.

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.

[2]Assistant Professor, Program Associate I, Program Associate II, and Associate Professor, respectively, Department of Crop, Soil and Environmental Sciences, University of Arkansas, Fayetteville, Ark. 72701.

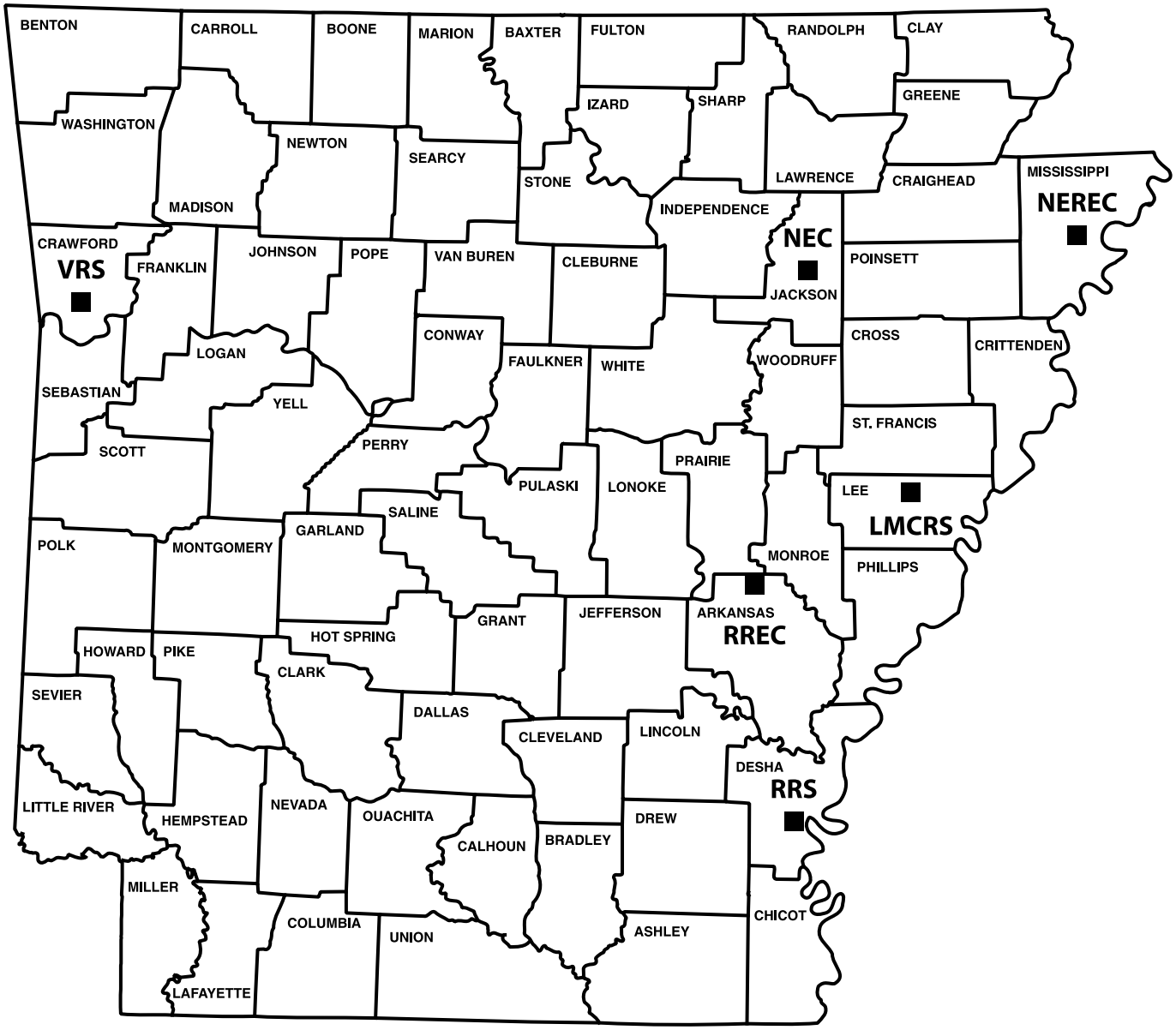
WEATHER SUMMARY

Soil moisture was generally normal to wet prior to planting with most locations experiencing timely rain following planting. Fall and winter rainfall totals were generally below normal. However, a wet spring resulted in above average seasonal totals for all locations with the exception of Kibler and Stuttgart. Cool temperatures combined with the rainfall slowed development and delayed heading dates compared to the average.

RESULTS

Grain yields ranged from very poor to good across locations (Table 1). The highest average yield was recorded in Marianna (81.2 bu/A) and the lowest recorded in Kibler (38.7 bu/A). Consistent rainfall made it difficult for timely plot management. In addition, the Kibler location was flooded for a significant portion of the grain-filling period, which likely impacted yields. Stuttgart experienced winter geese damage. Keiser was impacted by soil waterlogging and rye grass pressure. Stripe rust was present in Keiser, Marianna, Newport and Rohwer, leaf rust in Marianna and *Fusarium* head blight or head scab to a ratable level in Marianna and to a lower level in Stuttgart and Rohwer. Ratings at various locations were taken by Esten Mason and Jason Kelley.

WHEAT TEST LOCATIONS



LMCRS - **Lon Mann Cotton Research Station, Marianna**
NEC - **Newport Extension Center, Newport**
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 wheat yields at five Arkansas locations in 2014-2015[1].

	Standard Input Yield (bu/A)				
Entry Name	**Keiser**	**Kibler**	**Marianna**	**Rohwer**	**Stuttgart**
AgAlumni Ex02444	40.9	46.0	88.9	86.9	22.9
AgAlumni Ex05247	47.2	38.5	83.0	86.6	40.6
AgAlumni Ex0762	32.0	40.4	94.3	77.6	35.5
AgriMAXX 413	55.8	45.1	91.6	97.2	63.5
AgriMAXX 415	63.1	41.9	88.7	89.3	61.5
AgriMAXX 438	37.9	38.9	86.4	76.4	59.4
AgriMAXX 444	53.3	34.1	89.4	89.2	52.0
AgriMAXX 446	52.9	43.3	92.6	86.0	51.8
AgriMAXX 447	50.8	40.0	92.0	94.1	60.7
AgriMAXX Exp1558	33.4	22.4	72.9	67.3	47.9
AGS 2027	25.9	27.3	69.0	60.7	17.6
AGS 2035	52.3	38.4	64.8	64.2	16.2
AGS 2038	55.2	49.3	76.6	77.3	43.8
AGS 2040	33.4	35.3	71.5	57.6	22.3
AR00343-5-1	47.0	31.6	79.7	81.3	74.0
AR01040-4-1	41.2	54.9	83.9	94.2	68.4
AR01044-1-1	38.8	35.9	85.1	73.3	21.3
AR05055-1-1	51.8	40.1	66.9	83.0	46.4
AR05074-12-1	42.7	27.5	71.0	68.3	53.6
AR05079-2-1	41.1	39.3	75.3	73.8	58.7
AR05079-2-2	39.1	33.4	67.9	78.5	52.2
AR05094-4-1	41.1	36.7	84.6	75.5	47.1
ARGA04494-11E49	42.9	33.9	69.6	56.4	34.8
ARGA04510-11LE24	62.0	54.9	93.4	92.7	51.0
Armor ARX1325	49.0	46.2	93.1	89.4	53.7
Armor ARX1327	47.7	46.0	87.9	82.3	62.8
Armor ARX1332	48.5	42.8	94.5	90.2	64.6
Armor ARX1412	39.7	32.3	70.8	60.3	50.2
Armor ARX1413	34.6	33.1	49.9	58.4	57.2
Armor ARX1415	55.5	49.0	95.8	82.6	53.0
Armor ARX1418	13.8	26.8	69.7	74.1	46.6
Armor ARX1433	49.0	29.0	61.6	67.1	64.7
Armor Havoc	61.1	29.7	88.7	94.6	63.8
Armor Vandal	64.2	60.0	92.9	92.7	60.5
ARNC09-22402	38.7	51.9	76.7	69.4	53.5
DeltaGrow 2700	55.1	43.1	84.8	77.9	50.4
DeltaGrow 3000	33.1	36.6	78.6	76.2	75.5
DeltaGrow 3200	54.3	47.2	92.6	93.3	58.3
DeltaGrow 9700	36.0	31.6	80.8	79.2	62.2
DeltaGrow EXP1101	59.5	39.5	98.9	89.8	57.5
DeltaGrow EXP1800	29.1	16.2	65.7	78.2	38.6
Dixie DXEX13-3	42.0	45.6	84.5	81.6	42.8
Dixie DXEX15-1	49.9	34.5	88.6	88.6	54.1
Dixie DXEX15-2	47.4	35.0	84.8	84.2	59.0
Dixie Extreme	42.4	37.3	84.6	86.7	58.1
Dixie Kelsey	58.3	46.1	90.0	90.5	57.0
Dixie McAlister	61.5	40.7	92.3	91.1	61.1
DixieBell 500	50.7	40.6	89.8	92.9	60.3
DixieBell 620	41.2	41.2	86.9	85.3	57.3
DixieBell 7880	38.1	22.8	78.0	84.3	55.8

Table 1. Continued.

	Standard Input Yield (bu/A)				
Entry Name	**Keiser**	**Kibler**	**Marianna**	**Rohwer**	**Stuttgart**
Dyna-Gro 9012	45.4	42.9	90.9	92.0	57.0
Dyna-Gro 9171	48.0	44.8	90.4	92.1	55.6
Dyna-Gro 9223	36.2	38.1	80.2	77.0	53.7
Dyna-Gro 9522	45.7	43.1	88.0	92.2	52.4
Dyna-Gro 9552	55.1	32.9	93.1	84.3	56.2
Dyna-Gro 9591	38.1	42.4	79.0	79.4	45.8
Dyna-Gro WX15742	25.6	19.0	69.5	67.2	48.3
GA03564-12E6	41.1	54.2	74.6	63.2	9.9
GA04417-12E33	30.9	40.2	62.3	60.0	12.7
GA04434-12LE28	48.2	43.4	83.7	66.6	34.6
GA07163-12LE9	34.8	51.8	77.4	79.3	51.4
GW2056	51.4	42.6	91.6	85.9	63.3
GW2057	44.2	22.5	75.1	76.0	56.8
GW2058	51.4	45.5	92.1	97.2	59.7
LA01110D-150-241	38.5	59.1	68.2	69.7	34.9
LA03200E-2	48.6	31.0	71.7	60.6	23.2
LA09011UB-2	49.4	33.7	77.3	64.8	38.0
LANC8170-41-2	29.1	43.4	79.3	63.2	32.0
LCS1171	11.8	15.3	64.3	59.4	32.4
LCS2347	47.5	12.5	53.1	63.3	58.7
LCS3211	28.7	25.1	69.8	62.0	34.0
Pat	43.9	28.8	73.9	64.4	57.1
Pioneer 26R10	47.2	51.3	90.4	88.2	56.0
Pioneer 26R41	67.6	55.8	91.8	88.1	52.1
Pioneer 26R53	49.4	49.3	94.1	99.5	50.6
Pioneer 26R87	52.7	45.0	78.1	66.4	34.5
Pioneer XW13T	43.5	51.5	98.1	95.0	47.5
Pioneer XW13W	68.7	51.0	100.5	103.0	45.7
Progeny 117	45.5	16.0	52.0	57.6	38.4
Progeny 125	40.5	5.6	50.1	57.3	42.8
Progeny 357	23.6	28.9	66.8	67.9	49.4
Progeny 410	26.2	6.8	53.2	51.9	48.3
Progeny 870	53.1	35.5	91.5	87.6	60.3
Progeny PGX13-6	55.6	34.7	91.1	91.7	55.0
Progeny PGX14-3	46.2	30.3	84.7	87.2	53.1
Progeny PGX14-4	49.6	39.4	87.3	83.0	60.6
Progeny PGX14-5	50.9	43.5	82.7	76.1	32.6
Progeny PGX14-8	55.5	36.6	85.4	86.7	57.5
Syngenta Oakes	28.1	32.2	83.3	85.5	45.3
Syngenta SX 104	49.0	39.4	89.7	89.9	42.6
Syngenta SY Cypress	38.8	41.5	70.0	63.3	44.5
Syngenta SY Harrison	50.3	48.0	87.1	81.3	63.8
Terral LA754	44.1	41.0	68.2	67.5	34.5
Terral LA841	24.5	44.8	64.4	54.1	36.9
Terral TV8848	45.2	42.4	85.2	77.7	61.8
Terral TV8861	45.7	41.5	86.4	99.8	56.1
USG 3013	46.4	40.8	84.6	85.3	53.7
USG 3201	55.5	43.0	91.8	86.7	56.1

Table 1. Continued.

	Standard Input Yield (bu/A)				
Entry Name	**Keiser**	**Kibler**	**Marianna**	**Rohwer**	**Stuttgart**
USG 3225	55.3	49.6	74.2	60.8	29.7
USG 3251	49.4	49.6	86.8	76.2	60.0
USG 3404	43.6	41.7	86.8	81.6	49.8
USG 3438	53.1	43.4	93.6	91.3	58.4
USG 3523	58.7	43.7	83.1	90.5	50.5
USG 3833	45.6	31.9	88.2	80.1	51.7
USG EXP3756	56.2	38.1	85.8	87.7	54.4
VA11W-106	51.1	46.0	80.7	87.6	52.9
Hilliard	57.2	48.9	89.8	88.0	50.0
Mean	45.1	38.7	81.2	79.1	49.4
LSD (5%)	10.8	15.2	7.1	13.1	10.8
CV (%)	12.1	19.8	4.4	8.4	11.1

[1]The Newport test was not harvested due to severe plot damage resulting from prolonged soil waterlogging.

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

SOIL SERIES .....Sharkey silty clay
PREVIOUS CROP .....Fallow
PLANTING DATE.....November 2, 2014
FERTILIZER.....70lb of N/A on March 18, 2015, 70lb of N/A on April 1, 2015
HERBICIDE .....0.9 oz/A of Finesse at Planting
INSECTICIDE.....None
HARVEST DATE .....June 17, 2015
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Keiser	5.59	2.46	2.29	1.83	4.09	5.65	5.36	9.11	36.38
Normal	2.40	4.10	4.70	3.40	3.00	4.80	5.10	5.30	32.80
Departure	3.19	-1.64	-2.41	-1.57	1.09	0.85	0.26	3.81	3.58

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

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Stripe Rust (%)
Pioneer XW13W	68.7			61.1	4/25	6/1	0
Pioneer 26R41	67.6	66.6	75.3	61.1	4/25	6/1	0
Armor Vandal	64.2	67.2	75.7	61.3	4/27	6/1	4
AgriMAXX 415	63.1	68.5	76.8	61.9	4/23	6/1	0
ARGA04510-11LE24	62.0	63.2		59.9	4/26	6/3	0
Dixie McAlister	61.5	66.3	74.5	59.4	4/24	6/1	0
Armor Havoc	61.1	59.4	72.1	59.7	4/25	5/31	0
DeltaGrow EXP1101	59.5			61.3	4/28	6/3	0
USG 3523	58.7	65.9	75.2	59.6	4/26	6/2	0
Dixie Kelsey	58.3			62.7	4/27	6/3	0
Hilliard	57.2			61.8	4/22	6/3	0
USG EXP3756	56.2			61.5	4/20	6/1	0
AgriMAXX 413	55.8	60.8	70.3	58.5	4/25	5/31	0
Progeny PGX13-6	55.6	63.0		59.2	4/27	6/1	0
Armor ARX1415	55.5			60.6	4/27	6/3	0
Progeny PGX14-8	55.5			59.3	4/27	6/1	1
USG 3201	55.5	64.7	74.0	62.7	4/25	6/2	1
USG 3225	55.3			61.8	4/21	6/1	0
AGS 2038	55.2	51.0	61.8	62.1	4/29	6/3	0
DeltaGrow 2700	55.1	62.0		60.7	4/24	6/2	1
Dyna-Gro 9552	55.1			59.9	4/27	6/2	0
DeltaGrow 3200	54.3	59.0		62.2	4/25	6/2	0
AgriMAXX 444	53.3	64.8		60.7	4/28	6/3	0
USG 3438	53.1	61.5	70.7	59.5	4/25	6/2	0
Progeny 870	53.1	63.6	69.2	58.8	4/24	6/1	0
AgriMAXX 446	52.9	59.2		60.9	4/25	6/3	0
Pioneer 26R87	52.7	50.4	62.2	60.5	4/19	5/29	0
AGS 2035	52.3	50.6	61.4	62.4	4/22	6/3	6
AR05055-1-1	51.8			63.5	4/23	6/2	2

Table 2. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Stripe Rust (%)
GW2056	51.4	54.1	63.0	57.1	4/25	6/2	0
GW2058	51.4			61.5	4/23	6/3	0
VA11W-106	51.1			61.3	4/26	6/1	13
Progeny PGX14-5	50.9			62.2	4/25	5/31	1
AgriMAXX 447	50.8	53.1	61.9	60.1	4/28	6/3	0
DixieBell 500	50.7			60.5	4/27	6/2	0
SY Harrison	50.3	58.5	69.4	59.4	4/27	6/3	0
Dixie DXEX15-1	49.9			60.2	4/28	6/2	0
Progeny PGX14-4	49.6			60.0	4/27	6/3	0
Pioneer 26R53	49.4	55.9	68.7	62.0	4/25	6/2	0
LA09011UB-2	49.4			62.9	4/19	6/1	0
USG 3251	49.4	54.9	67.1	59.1	4/26	6/3	0
Armor ARX1325	49.0	61.4		60.9	4/28	6/3	1
Armor ARX1433	49.0			61.6	4/26	6/2	4
SX 104	49.0			60.9	4/26	6/2	0
LA03200E-2	48.6	52.7	63.7	63.6	4/24	6/1	2
Armor ARX1332	48.5	54.9		62.5	4/23	6/2	1
GA04434-12LE28	48.2			59.2	4/28	6/2	0
Dyna-Gro 9171	48.0	62.0	70.7	59.2	4/24	5/31	0
Armor ARX1327	47.7	58.4		60.4	4/29	6/2	0
LCS2347	47.5			62.1	4/28	6/2	56
Dixie DXEX15-2	47.4			60.2	4/27	6/3	0
AgAlumni Ex05247	47.2			61.2	4/29	6/5	0
Pioneer 26R10	47.2	56.4	67.7	58.1	4/28	6/1	0
AR00343-5-1	47.0	59.0	69.6	61.6	4/30	6/2	0
USG 3013	46.4	62.1	70.8	57.3	4/30	6/2	0
Progeny PGX14-3	46.2			61.3	4/20	6/2	4
Dyna-Gro 9522	45.7	54.1		58.1	5/1	6/1	0
Terral TV8861	45.7	53.3	63.3	62.5	4/30	6/3	0
USG 3833	45.6	51.4	62.5	58.8	4/28	6/2	1
Progeny 117	45.5	51.8	59.3	58.9	4/24	6/2	60
Dyna-Gro 9012	45.4	57.5	69.0	60.9	4/28	6/1	0
Terral TV8848	45.2	58.4	65.9	58.3	4/28	6/3	0
GW2057	44.2	55.3		62.0	4/27	6/3	11
Terral LA754	44.1	46.4	53.8	61.5	4/24	5/30	4
Pat	43.9			62.0	5/2	6/4	2
USG 3404	43.6	52.5		59.6	4/29	6/3	0
Pioneer XW13T	43.5			56.6	4/25	6/4	0
ARGA04494-11E49	42.9			62.1	4/18	5/30	0
AR05074-12-1	42.7			59.8	4/27	6/3	22
Dixie Extreme	42.4	53.5	67.5	58.4	4/30	6/4	0
Dixie DXEX13-3	42.0	56.4	69.8	58.7	4/29	6/3	0
AR01040-4-1	41.2	49.8	59.8	58.9	5/1	6/4	0
DixieBell 620	41.2	53.9	67.5	58.8	4/28	6/2	0
AR05079-2-1	41.1			61.0	4/30	6/3	1
AR05094-4-1	41.1			57.6	4/24	6/4	4
GA03564-12E6	41.1			59.7	4/18	6/2	1
AgAlumni Ex02444	40.9			57.3	4/24	5/31	13
Progeny 125	40.5	48.1	59.3	60.1	4/24	5/31	56

Table 2. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Stripe Rust (%)
Armor ARX1412	39.7			59.0	4/25	6/2	1
AR05079-2-2	39.1			61.7	5/1	6/5	7
AR01044-1-1	38.8	44.9		60.5	4/24	6/1	0
SY Cypress	38.8	48.4		62.4	4/21	6/3	1
ARNC09-22402	38.7	45.8		58.9	4/29	6/3	0
LA01110D-150-241	38.5			60.0	4/29	6/1	0
Dyna-Gro 9591	38.1			61.0	4/25	6/2	4
DixieBell 7880	38.1	47.6	60.8	58.1	4/25	6/3	22
AgriMAXX 438	37.9			56.9	4/30	6/4	0
Dyna-Gro 9223	36.2	53.5	61.3	56.0	4/29	6/2	0
DeltaGrow 9700	36.0	53.8	65.7	56.9	4/30	6/3	1
GA07163-12LE9	34.8			57.5	5/2	6/5	0
Armor ARX1413	34.6			55.2	4/27	6/2	37
AgriMAXX Exp1558	33.4			56.1	4/24	6/1	15
AGS 2040	33.4	39.0	51.6	58.8	4/23	5/30	0
DeltaGrow 3000	33.1			59.0	4/30	6/4	1
AgAlumni Ex0762	32.0			57.1	4/26	6/1	0
GA04417-12E33	30.9			56.0	4/22	6/2	0
DeltaGrow EXP1800	29.1			58.0	4/27	6/2	15
LANC8170-41-2	29.1			59.9	4/21	5/31	0
LCS3211	28.7			56.1	4/30	6/1	4
Oakes	28.1	47.4	57.0	56.1	4/27	6/1	2
Progeny 410	26.2			56.2	4/23	5/31	20
AGS 2027	25.9			56.2	4/23	5/31	0
Dyna-Gro WX15742	25.6			56.3	4/29	6/1	13
Terral LA841	24.5	35.5		57.1	4/29	6/1	0
Progeny 357	23.6	49.6	59.3	56.3	4/29	6/3	3
Armor ARX1418	13.8			56.8	4/26	6/2	2
LCS1171	11.8			56.9	4/19	5/29	22
Mean	45.1	55.5	66.0	59.7	4/26	6/2	4
LSD (5%)	10.8			2.7	3	3	20
C.V. (%)	12.1			2.3	1.4	0.8	254

STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, ARK.

SOIL SERIES .....Roxanna silt loam
PREVIOUS CROP .....Fallow
PLANTING DATE .....October 31, 2014
FERTILIZER.....44.5lbs N/A + 50lb S/A on Mar. 23, 2015; 45.5lb N/A + 50lbs S/A on Apr. 7, 2015
HERBICIDE.....None
INSECTICIDE.....None
HARVEST DATE .....June 22, 2015
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Kibler	6.47	1.46	2.23	2.03	1.60	4.27	3.57	18.85	**40.48**
Normal	3.30	3.20	2.80	2.40	2.70	3.90	4.20	4.60	**27.10**
Departure	3.17	-1.74	-0.57	-0.37	-1.1	0.37	-0.63	14.25	**13.38**

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

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
Armor Vandal	60.0	75.4	76.5	55.4	4/24	6/1	34
LA01110D-150-241	59.1			53.3	4/22	6/1	36
Pioneer 26R41	55.8	79.0	75.5	55.1	4/25	5/31	31
AR01040-4-1	54.9	70.7	76.2	57.5	4/26	6/3	39
ARGA04510-11LE24	54.9	72.2		55.3	4/25	5/31	34
GA03564-12E6	54.2			57.2	4/19	5/31	32
ARNC09-22402	51.9	71.3		54.2	4/25	5/31	34
GA07163-12LE9	51.8			55.6	4/26	6/4	34
Pioneer XW13T	51.5			51.3	4/25	5/30	31
Pioneer 26R10	51.3	73.5	73.7	54.6	4/26	6/2	31
Pioneer XW13W	51.0			56.5	4/25	6/1	34
USG 3225	49.6			54.8	4/19	5/30	31
USG 3251	49.6	71.7	70.9	53.9	4/25	6/2	35
AGS 2038	49.3	66.9	68.6	57.0	4/25	6/2	38
Pioneer 26R53	49.3	69.8	72.0	55.7	4/25	5/31	33
Armor ARX1415	49.0			52.5	4/25	6/4	30
Hilliard	48.9			55.0	4/21	5/31	34
Syngenta SY Harrison	48.0	75.3	74.3	53.1	4/23	6/1	32
DeltaGrow 3200	47.2	69.1		55.8	4/25	5/31	28
Armor ARX1325	46.2	72.5		56.0	4/25	6/2	32
Dixie Kelsey	46.1			55.2	4/24	5/31	33
Armor ARX1327	46.0	71.5		53.8	4/25	6/3	35
VA11W-106	46.0			54.0	4/25	6/2	33
AgAlumni Ex02444	46.0			55.0	4/24	5/31	30
Dixie DXEX13-3	45.6	70.3	70.3	53.7	4/25	5/30	34
GW2058	45.5			54.9	4/25	6/3	29
AgriMAXX 413	45.1	69.0	74.2	54.7	4/22	5/31	31
Pioneer 26R87	45.0	68.9	68.2	57.4	4/20	5/31	31
Dyna-Gro 9171	44.8	70.7	77.2	53.6	4/22	6/1	32
Terral LA841	44.8	63.6		55.2	4/22	5/30	33

Table 3. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
USG 3523	43.7	67.6	69.6	54.3	4/25	6/3	33
Progeny PGX14-5	43.5			56.6	4/24	5/30	34
GA04434-12LE28	43.4			56.9	4/25	5/30	30
USG 3438	43.4	69.9	72.4	55.6	4/23	6/1	31
LANC8170-41-2	43.4			56.1	4/22	5/30	31
AgriMAXX 446	43.3	69.7		54.4	4/25	6/1	33
DeltaGrow 2700	43.1	68.1		53.8	4/25	6/1	34
Dyna-Gro 9522	43.1	67.9		55.7	4/25	6/3	34
USG 3201	43.0	67.5	73.5	56.2	4/25	5/30	33
Dyna-Gro 9012	42.9	68.6	75.0	53.7	4/24	5/31	34
Armor ARX1332	42.8	68.3		55.3	4/25	6/3	29
GW2056	42.6	72.1	74.0	52.7	4/23	6/2	34
Terral TV8848	42.4	68.4	71.8	54.7	4/25	5/30	34
Dyna-Gro 9591	42.4			56.7	4/22	5/31	33
AgriMAXX 415	41.9	64.7	70.0	56.7	4/25	6/1	32
USG 3404	41.7	69.2		54.6	4/25	6/2	34
Syngenta SY Cypress	41.5	66.3		54.9	4/19	6/1	33
Terral TV8861	41.5	68.1	69.4	54.8	4/25	6/1	33
DixieBell 620	41.2	68.9	68.4	54.2	4/25	6/1	32
Terral LA754	41.0	64.8	65.9	53.7	4/20	5/30	34
USG 3013	40.8	68.3	67.9	54.1	4/26	5/30	34
Dixie McAlister	40.7	69.6	76.2	55.9	4/23	5/31	31
DixieBell 500	40.6			54.6	4/25	6/2	32
AgAlumni Ex0762	40.4			54.3	4/23	5/30	30
GA04417-12E33	40.2			56.5	4/23	5/30	34
AR05055-1-1	40.1			54.9	4/25	5/31	34
AgriMAXX 447	40.0	66.2	67.3	55.0	4/26	5/30	32
DeltaGrow EXP1101	39.5			55.7	4/25	5/30	34
Syngenta SX 104	39.4			55.2	4/21	6/2	36
Progeny PGX14-4	39.4			53.9	4/25	6/4	33
AR05079-2-1	39.3			56.0	4/25	6/2	35
AgriMAXX 438	38.9			52.6	4/26	5/30	34
AgAlumni Ex05247	38.5			56.5	4/26	6/2	34
AGS 2035	38.4	69.0	70.6	53.2	4/20	6/1	37
Dyna-Gro 9223	38.1	69.3	71.3	53.2	4/25	6/1	35
USG EXP3756	38.1			55.2	4/21	6/1	34
Dixie Extreme	37.3	68.2	70.3	54.1	4/26	5/31	34
AR05094-4-1	36.7			53.7	4/25	5/31	36
Progeny PGX14-8	36.6			54.1	4/25	6/1	32
DeltaGrow 3000	36.6			53.6	4/26	6/1	36
AR01044-1-1	35.9	63.9		55.7	4/22	6/1	32
Progeny 870	35.5	65.4	69.0	54.5	4/24	6/1	30
AGS 2040	35.3	59.9	59.3	54.5	4/21	5/30	30
Dixie DXEX15-2	35.0			53.9	4/24	6/3	33
Progeny PGX13-6	34.7	66.6		54.6	4/25	6/3	32
Dixie DXEX15-1	34.5			54.8	4/25	6/1	33
AgriMAXX 444	34.1	69.4		55.4	4/25	6/1	33

Table 3. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
ARGA04494-11E49	33.9			56.7	4/19	5/30	29
LA09011UB-2	33.7			57.0	4/19	5/30	28
AR05079-2-2	33.4			54.7	4/25	6/2	35
Armor ARX1413	33.1			54.8	4/25	5/30	32
Dyna-Gro 9552	32.9			54.0	4/25	5/31	32
Armor ARX1412	32.3			55.1	4/25	5/31	32
Syngenta Oakes	32.2	57.3	60.2	56.4	4/24	5/31	33
USG 3833	31.9	65.0	65.2	54.4	4/26	5/31	31
DeltaGrow 9700	31.6	66.1	65.1	54.1	4/26	5/31	34
AR00343-5-1	31.6	61.6	69.5	54.4	4/26	6/1	37
LA03200E-2	31.0	63.9	67.7	54.8	4/23	5/30	30
Progeny PGX14-3	30.3			54.2	4/22	6/1	33
Armor Havoc	29.7	62.8	70.2	55.4	4/25	5/30	31
Armor ARX1433	29.0			54.8	4/25	5/31	31
Progeny 357	28.9	55.9	65.7	54.9	4/25	6/1	33
Pat	28.8			54.9	4/27	6/1	34
AR05074-12-1	27.5			54.9	4/25	6/1	33
AGS 2027	27.3			54.9	4/25	5/31	27
Armor ARX1418	26.8			54.9	4/24	5/31	33
LCS3211	25.1			54.9	4/25	6/1	33
DixieBell 7880	22.8	56.0	65.1	54.9	4/25	6/1	35
GW2057	22.5	57.3		54.9	4/25	6/3	33
AgriMAXX Exp1558	22.4			54.9	4/24	6/1	32
Dyna-Gro WX15742	19.0			54.9	4/25	5/31	34
DeltaGrow EXP1800	16.2			54.9	4/25	5/30	33
Progeny 117	16.0	52.8	55.4	54.9	4/22	5/30	35
LCS1171	15.3			54.9	4/19	5/30	32
LCS2347	12.5			54.9	4/24	5/31	34
Progeny 410	6.8			54.9	4/22	5/31	31
Progeny 125	5.6	51.7	60.0	54.9	4/22	5/30	35
Mean	38.7	67.1	69.5	54.9	4/24	5/31	33
LSD (5%)	15.2			2.6	2	3	3.0
C.V. (%)	19.8			2.4	0.9	1.0	5.2

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

SOIL SERIES.....Loring silt loam
PREVIOUS CROP .....Grain sorghum
PLANTING DATE.....October 26, 2014
FERTILIZER.....90 lb of N/A + 24 lb of S/A on March 17, 2015; 60 lb of N/A, March 25, 2015
HERBICIDE.....0.9 oz/A of Finesse at Planting
INSECTICIDE.....None
HARVEST DATE .....June 5, 2015
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Marianna	4.51	3.60	2.02	1.80	3.77	7.29	5.02	6.36	**34.37**
Normal	3.00	4.40	4.80	4.40	4.10	5.40	5.50	5.20	**36.80**
Departure	1.51	-0.48	2.29	-2.29	0.32	0.38	1.72	1.12	**-2.43**

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

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Leaf Rust (%)	Stripe Rust (%)	*Fusarium* Head Blight Severity (%)
Pioneer XW13W	100.5			61.9	4/22	5/25	41	1	0	0	17
DeltaGrow EXP1101	98.9			62.0	4/22	5/25	42	0	0	0	10
Pioneer XW13T	98.1			59.8	4/20	5/25	35	0	20	0	27
Armor ARX1415	95.8			56.8	4/25	5/29	40	0	15	0	17
Armor ARX1332	94.5	94.7		62.8	4/19	5/26	35	0	5	0	37
AgAlumni Ex0762	94.3			61.3	4/20	5/23	37	0	10	0	10
Pioneer 26R53	94.1	94.6	90.8	62.3	4/20	5/25	39	1	10	0	27
USG 3438	93.6	98.8	96.5	61.2	4/19	5/24	35	0	30	0	13
ARGA04510-11LE24	93.4	95.2		59.1	4/18	5/24	40	0	0	20	50
Armor ARX1325	93.1	94.1		61.3	4/24	5/27	39	0	15	10	17
Dyna-Gro 9552	93.1			61.1	4/24	5/28	39	0	5	5	10
Armor Vandal	92.9	97.9	94.9	60.8	4/17	5/22	40	0	0	10	43
AgriMAXX 446	92.6	96.3		61.5	4/22	5/25	39	0	10	10	20
DeltaGrow 3200	92.6	96.8		63.2	4/19	5/24	33	0	0	5	23
Dixie McAlister	92.3	95.7	92.6	61.2	4/19	5/24	35	0	35	15	17
GW2058	92.1			62.8	4/19	5/23	35	0	15	0	27
AgriMAXX 447	92.0	97.0	93.4	60.1	4/23	5/27	40	2	0	10	20
USG 3201	91.8	91.4	91.1	62.7	4/20	5/25	38	0	15	0	20
Pioneer 26R41	91.8	95.4	92.3	60.9	4/20	5/25	36	1	0	0	23
GW2056	91.6	94.8	90.4	60.8	4/20	5/26	37	1	10	10	10
AgriMAXX 413	91.6	93.3	91.2	61.0	4/20	5/23	37	0	25	0	17
Progeny 870	91.5	98.3	91.3	61.5	4/21	5/24	39	0	10	0	10
Progeny PGX13-6	91.1	95.1		59.7	4/23	5/26	38	1	35	0	17
Dyna-Gro 9012	90.9	95.9	92.0	62.9	4/21	5/23	38	0	0	5	17
Dyna-Gro 9171	90.4	94.7	90.7	61.7	4/20	5/25	41	0	15	5	10
Pioneer 26R10	90.4	92.7	90.2	59.8	4/22	5/26	39	1	40	0	13
Dixie Kelsey	90.0			63.2	4/21	5/24	39	0	20	10	20
DixieBell 500	89.8			60.1	4/22	5/27	40	0	10	0	10

Table 4. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Leaf Rust (%)	Stripe Rust (%)	*Fusarium* Head Blight Severity (%)
Hilliard	89.8			62.4	4/19	5/23	40	0	5	0	27
Syngenta SX 104	89.7			61.6	4/17	5/20	41	6	20	0	43
AgriMAXX 444	89.4	96.7		58.9	4/23	5/27	39	0	30	0	13
AgAlumni Ex02444	88.9			59.4	4/20	5/25	37	0	25	20	23
Armor Havoc	88.7	93.9	91.1	60.8	4/20	5/25	37	3	55	0	27
AgriMAXX 415	88.7	92.4	87.9	62.8	4/21	5/26	38	0	25	5	17
Dixie DXEX15-1	88.6			59.4	4/23	5/28	39	1	5	0	13
USG 3833	88.2	95.6	90.3	61.4	4/24	5/26	43	1	0	10	23
Dyna-Gro 9522	88.0	96.5		59.6	4/24	5/28	40	0	30	0	13
Armor ARX1327	87.9	91.9		59.4	4/23	5/27	39	1	20	0	20
Progeny PGX14-4	87.3			60.4	4/21	5/27	39	0	5	0	10
Syngenta SY Harrison	87.1	94.0	92.3	58.1	4/21	5/27	40	0	60	0	23
DixieBell 620	86.9	93.4	90.6	58.0	4/20	5/25	39	2	25	5	23
USG 3404	86.8	94.9		59.6	4/23	5/27	39	0	40	0	17
USG 3251	86.8	90.9	89.2	60.2	4/22	5/28	41	4	15	5	10
Terral TV8861	86.4	93.7	87.9	60.2	4/23	5/28	37	1	50	0	17
AgriMAXX 438	86.4			58.6	4/23	5/27	39	0	50	0	20
USG EXP3756	85.8			61.9	4/19	5/22	42	2	0	65	13
Progeny PGX14-8	85.4			58.5	4/19	5/25	39	3	10	25	30
Terral TV8848	85.2	95.1	92.6	58.8	4/22	5/26	40	4	50	0	17
AR01044-1-1	85.1	89.0		61.8	4/17	5/22	39	0	0	0	57
DeltaGrow 2700	84.8	91.4		59.1	4/21	5/25	38	0	35	5	13
Dixie DXEX15-2	84.8			58.2	4/20	5/26	37	3	0	0	13
Progeny PGX14-3	84.7			61.4	4/18	5/22	42	6	0	55	17
AR05094-4-1	84.6			59.3	4/21	5/24	41	4	0	60	17
Dixie Extreme	84.6	90.8	89.1	58.0	4/23	5/26	39	3	55	0	27
USG 3013	84.6	91.3	91.7	58.5	4/22	5/26	40	0	55	0	23
Dixie DXEX13-3	84.5	86.3	87.1	59.9	4/24	5/29	41	0	30	0	27
AR01040-4-1	83.9	92.9	88.4	59.9	4/21	5/23	42	1	0	20	30
GA04434-12LE28	83.7			57.7	4/19	5/23	37	7	0	0	67
Syngenta Oakes	83.3	86.6	83.0	61.2	4/18	5/22	39	5	15	15	43
USG 3523	83.1	86.5	85.4	58.8	4/21	5/25	42	0	15	25	17
AgAlumni Ex05247	83.0			57.6	4/26	5/30	40	0	0	10	13
Progeny PGX14-5	82.7			63.2	4/16	5/22	40	0	5	30	53
DeltaGrow 9700	80.8	91.4	90.8	57.7	4/23	5/29	42	0	60	10	27
VA11W-106	80.7			59.9	4/21	5/25	38	2	0	0	17
Dyna-Gro 9223	80.2	90.1	89.5	57.5	4/21	5/26	39	1	75	0	23
AR00343-5-1	79.7	90.3	88.9	61.1	4/21	5/23	40	1	0	40	27
LANC8170-41-2	79.3			61.5	4/18	5/19	39	1	0	5	53
Dyna-Gro 9591	79.0			61.4	4/20	5/26	39	0	0	50	10
DeltaGrow 3000	78.6			60.9	4/19	5/24	42	3	0	30	33
Pioneer 26R87	78.1	86.5	84.1	62.0	4/17	5/20	36	1	5	10	87
DixieBell 7880	78.0	88.0	87.3	60.2	4/22	5/28	41	0	0	70	20
GA07163-12LE9	77.4			54.6	4/21	5/26	39	6	0	0	70
LA09011UB-2	77.3			61.8	4/16	5/20	37	6	0	0	90
ARNC09-22402	76.7	87.9		58.4	4/17	5/23	37	4	0	10	50
AGS 2038	76.6	84.8	85.3	58.3	4/24	5/24	41	5	0	5	57
AR05079-2-1	75.3			60.6	4/23	5/27	42	3	5	40	10

Table 4. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Leaf Rust (%)	Stripe Rust (%)	*Fusarium* Head Blight Severity (%)
GW2057	75.1	89.6		61.7	4/24	5/27	40	0	0	30	17
GA03564-12E6	74.6			57.4	4/16	5/23	38	4	0	15	90
USG 3225	74.2			55.7	4/16	5/23	38	0	0	20	87
Pat	73.9			61.4	4/22	5/25	41	0	10	30	37
AgriMAXX Exp1558	72.9			58.5	4/20	5/28	39	0	0	80	10
LA03200E-2	71.7	83.9	82.6	59.1	4/18	5/22	39	2	15	5	80
AGS 2040	71.5	79.2	81.3	61.1	4/20	5/21	37	0	5	0	77
AR05074-12-1	71.0			61.8	4/18	5/23	43	2	0	90	27
Armor ARX1412	70.8			57.5	4/20	5/27	40	2	0	75	10
Syngenta SY Cypress	70.0	80.5		58.4	4/17	5/23	36	1	0	25	83
LCS3211	69.8			57.4	4/21	5/25	40	1	0	40	30
Armor ARX1418	69.7			58.5	4/21	5/27	42	0	0	80	10
ARGA04494-11E49	69.6			57.5	4/18	5/20	35	1	0	10	90
Dyna-Gro WX15742	69.5			58.2	4/21	5/27	39	0	0	80	13
AGS 2027	69.0			54.0	4/17	5/21	35	3	0	5	90
Terral LA754	68.2	80.6	84.5	55.6	4/17	5/20	41	4	0	20	90
LA01110D-150-241	68.2			56.2	4/15	5/20	39	2	0	0	87
AR05079-2-2	67.9			59.9	4/24	5/29	40	0	0	55	17
AR05055-1-1	66.9			61.1	4/20	5/26	41	0	0	60	23
Progeny 357	66.8	76.9	75.3	54.5	4/23	5/28	42	0	75	10	17
DeltaGrow EXP1800	65.7			58.3	4/22	5/28	39	0	0	70	13
AGS 2035	64.8	80.4	81.6	56.6	4/20	5/25	40	1	0	85	90
Terral LA841	64.4	73.2		54.8	4/17	5/20	37	2	10	25	90
LCS1171	64.3			61.6	4/20	5/21	41	0	0	90	27
GA04417-12E33	62.3			54.1	4/16	5/20	39	1	0	20	87
Armor ARX1433	61.6			55.3	4/24	5/27	38	0	0	90	10
Progeny 410	53.2			55.0	4/19	5/24	42	0	0	90	40
LCS2347	53.1			56.6	4/22	5/25	40	2	0	90	33
Progeny 117	52.0	69.0	68.3	52.6	4/19	5/22	39	6	5	90	57
Progeny 125	50.1	71.5	74.5	52.8	4/18	5/20	38	8	0	90	60
Armor ARX1413	49.9			49.4	4/23	5/29	37	0	0	90	13
Mean	81.2	90.3	87.9	59.4	4/20	5/25	39	1	13	22	32
LSD (5%)	7.1			2.1	3	3	3	3	18	21	17
C.V. (%)	4.4			1.8	1.2	0.9	4.2	129.6	72.6	48.4	27.1

STANDARD INPUT WHEAT TEST
ROHWER RESEARCH STATION, ROHWER, ARK.

SOIL SERIES ..... Herbert Silt Loam
PREVIOUS CROP ..... Soybeans
PLANTING DATE..... Oct 27, 2014
FERTILIZER..... 70 lb N/A on January 29, 2014; 80 lb N/A, 25 lb S/A on March 30, 2015
HERBICIDE..... 16.4 oz/A of Axial XL, and .9 oz/A of Harmony Extra on January 29, 2015
INSECTICIDE..... None
HARVEST DATE ..... June 5, 2015
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	----------	----------	----------	Inches	----------	----------	----------	
Rohwer	7.71	2.79	3.20	2.81	4.55	8.28	6.96	**8.18**
Normal	4.50	5.60	6.70	3.40	5.50	5.20	3.50	**4.70**
Departure	3.21	-2.81	-3.50	-0.59	-0.95	3.08	3.46	**3.48**

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

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Stripe Rust (%)
Pioneer XW13W	103.0			55.3	4/15	5/21	35	0	0
Terral TV8861	99.8	98.3	94.7	55.1	4/18	5/22	35	1	0
Pioneer 26R53	99.5	99.1	94.8	55.2	4/15	5/20	34	1	0
AgriMAXX 413	97.2	97.4	97.1	55.6	4/14	5/21	34	0	0
GW2058	97.2			55.5	4/15	5/23	33	2	4
Pioneer XW13T	95.0			54.6	4/15	5/20	33	0	0
Armor Havoc	94.6	96.5	94.4	55.8	4/16	5/19	36	0	0
AR01040-4-1	94.2	95.5	85.1	55.5	4/15	5/22	40	0	0
AgriMAXX 447	94.1	92.5	89.4	55.3	4/18	5/25	36	0	1
DeltaGrow 3200	93.3	94.8		55.0	4/14	5/22	34	0	1
DixieBell 500	92.9			55.7	4/17	5/23	36	0	4
ARGA04510-11LE24	92.7	94.2		56.1	4/16	5/21	35	0	0
Armor Vandal	92.7	95.9	94.6	54.8	4/16	5/20	36	0	0
Dyna-Gro 9522	92.2	91.6		54.9	4/16	5/22	35	0	0
Dyna-Gro 9171	92.1	95.1	90.2	55.8	4/14	5/20	34	2	0
Dyna-Gro 9012	92.0	90.5	90.5	55.1	4/15	5/20	36	1	0
Progeny PGX13-6	91.7	91.8		54.8	4/11	5/24	36	0	0
USG 3438	91.3	94.2	93.0	55.5	4/16	5/21	33	0	0
Dixie McAlister	91.1	93.5	92.2	55.8	4/15	5/22	36	0	0
USG 3523	90.5	92.6	88.1	55.0	4/15	5/20	36	0	0
Dixie Kelsey	90.5			55.1	4/16	5/18	33	0	0
Armor ARX1332	90.2	94.2		55.4	4/15	5/22	31	0	1
Syngenta SX 104	89.9			54.7	4/11	5/19	39	2	0
DeltaGrow EXP1101	89.8			55.1	4/19	5/22	38	0	0
Armor ARX1325	89.4	92.6		55.3	4/17	5/21	35	1	9
AgriMAXX 415	89.3	92.2	92.4	55.3	4/16	5/19	35	0	0
AgriMAXX 444	89.2	93.4		55.0	4/17	5/24	35	0	0
Dixie DXEX15-1	88.6			55.0	4/18	5/22	35	0	0
Pioneer 26R10	88.2	91.3	90.0	55.5	4/15	5/22	34	1	0
Pioneer 26R41	88.1	94.5	93.1	55.5	4/13	5/23	34	0	0

Table 5. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Stripe Rust (%)
Hilliard	88.0			55.8	4/14	5/17	39	0	0
USG EXP3756	87.7			55.3	4/14	5/16	37	0	8
Progeny 870	87.6	93.1	91.8	55.9	4/15	5/20	36	1	0
VA11W-106	87.6			55.9	4/16	5/19	35	0	0
Progeny PGX14-3	87.2			55.5	4/13	5/18	39	0	19
AgAlumni Ex02444	86.9			55.4	4/11	5/17	34	0	1
Progeny PGX14-8	86.7			55.7	4/15	5/21	36	1	9
USG 3201	86.7	92.7	91.9	55.2	4/15	5/18	37	1	0
Dixie Extreme	86.7	91.0	90.1	55.5	4/18	5/23	37	0	0
AgAlumni Ex05247	86.6			54.6	4/18	5/25	38	0	0
AgriMAXX 446	86.0	89.6		56.1	4/16	5/21	35	0	0
GW2056	85.9	91.1	88.1	56.2	4/15	5/22	33	1	1
Syngenta Oakes	85.5	89.6	84.7	55.4	4/14	5/16	35	6	9
USG 3013	85.3	90.5	90.6	55.7	4/16	5/24	37	1	1
DixieBell 620	85.3	90.2	91.1	55.4	4/16	5/20	36	2	1
DixieBell 7880	84.3	90.3	83.7	55.5	4/16	5/22	39	0	11
Dyna-Gro 9552	84.3			55.7	4/17	5/21	36	0	0
Dixie DXEX15-2	84.2			56.1	4/14	5/24	36	0	0
AR05055-1-1	83.0			55.6	4/16	5/20	36	1	15
Progeny PGX14-4	83.0			55.6	4/15	5/24	33	1	0
Armor ARX1415	82.6			55.4	4/18	5/25	35	0	0
Armor ARX1327	82.3	89.3		55.8	4/18	5/20	37	0	0
Dixie DXEX13-3	81.6	87.9	87.5	55.7	4/18	5/24	37	1	1
USG 3404	81.6	89.8		55.5	4/15	5/22	35	0	0
AR00343-5-1	81.3	87.9	80.5	55.9	4/16	5/20	39	0	1
Syngenta SY Harrison	81.3	88.5	88.1	55.7	4/16	5/23	34	1	1
USG 3833	80.1	86.6	86.6	55.7	4/17	5/23	37	1	2
Dyna-Gro 9591	79.4			55.7	4/12	5/22	36	1	11
GA07163-12LE9	79.3			56.5	4/15	5/24	35	0	0
DeltaGrow 9700	79.2	86.6	84.4	55.3	4/16	5/22	37	1	0
AR05079-2-2	78.5			55.9	4/18	5/22	39	1	5
DeltaGrow EXP1800	78.2			55.2	4/12	5/19	33	0	50
DeltaGrow 2700	77.9	88.1		55.9	4/17	5/22	36	0	0
Terral TV8848	77.7	87.6	86.5	55.8	4/18	5/22	36	3	0
AgAlumni Ex0762	77.6			56.7	4/12	5/16	34	3	0
AGS 2038	77.3	85.6	78.7	55.5	4/16	5/25	39	1	0
Dyna-Gro 9223	77.0	86.8	85.4	56.1	4/16	5/24	36	1	0
AgriMAXX 438	76.4			56.2	4/18	5/24	38	3	0
DeltaGrow 3000	76.2			55.6	4/16	5/20	39	1	2
USG 3251	76.2	84.0	85.9	55.8	4/17	5/22	36	1	1
Progeny PGX14-5	76.1			55.8	4/12	5/19	37	0	4
GW2057	76.0	83.6		56.6	4/18	5/23	36	0	1
AR05094-4-1	75.5			56.7	4/17	5/22	37	5	4
Armor ARX1418	74.1			55.6	4/12	5/21	36	0	11
AR05079-2-1	73.8			55.9	4/18	5/21	37	1	9
AR01044-1-1	73.3	83.8		57.0	4/11	5/21	36	0	0

Table 5. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging at Maturity (0-9)	Stripe Rust (%)
LA01110D-150-241	69.7			57.2	4/14	5/21	34	0	0
ARNC09-22402	69.4	82.1		56.6	4/14	5/19	35	4	0
AR05074-12-1	68.3			56.7	4/14	5/20	38	6	23
Progeny 357	67.9	81.2	84.9	56.7	4/18	5/20	35	2	1
Terral LA754	67.5	78.5	67.6	57.3	4/13	5/18	33	1	5
AgriMAXX Exp1558	67.3			56.4	4/13	5/20	34	0	30
Dyna-Gro WX15742	67.2			56.5	4/13	5/20	36	0	23
Armor ARX1433	67.1			56.5	4/16	5/23	35	0	50
GA04434-12LE28	66.6			57.6	4/14	5/20	32	0	0
Pioneer 26R87	66.4	80.2	72.0	57.2	4/11	5/19	35	0	0
LA09011UB-2	64.8			57.2	4/9	5/18	32	2	0
Pat	64.4			57.5	4/18	5/22	37	0	2
AGS 2035	64.2	77.7	64.7	56.8	4/14	5/24	33	0	23
Syngenta SY Cypress	63.3	77.7		57.0	4/15	5/20	33	2	2
LCS2347	63.3			56.7	4/16	5/22	38	4	80
GA03564-12E6	63.2			58.2	4/11	5/20	32	1	0
LANC8170-41-2	63.2			57.5	4/11	5/16	34	2	0
LCS3211	62.0			57.4	4/15	5/21	37	8	50
USG 3225	60.8			57.8	4/15	5/19	33	0	0
AGS 2027	60.7			57.2	4/12	5/16	30	0	0
LA03200E-2	60.6	77.8	70.1	57.8	4/13	5/18	35	0	0
Armor ARX1412	60.3			57.7	4/14	5/23	36	0	40
GA04417-12E33	60.0			58.2	4/11	5/16	35	0	0
LCS1171	59.4			56.8	4/11	5/16	38	1	95
Armor ARX1413	58.4			57.2	4/18	5/22	35	0	85
AGS 2040	57.6	74.5	58.5	58.6	4/11	5/16	31	0	0
Progeny 117	57.6	75.1	63.2	57.5	4/12	5/16	37	3	85
Progeny 125	57.3	76.8	60.9	57.2	4/14	5/16	38	5	80
ARGA04494-11E49	56.4			57.8	4/14	5/16	33	0	0
Terral LA841	54.1	72.5		58.8	4/13	5/17	33	0	4
Progeny 410	51.9			58.1	4/12	5/20	38	0	100
Mean	79.1	88.5	85.0	56.1	4/15	5/20	35	1	9
LSD (5%)	13.1			1.4	3	3	3	3	13
C.V. (%)	8.4			1.3	1	1	4	176	72

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

SOIL SERIES.....Silt Clay Loam
PREVIOUS CROP .....Fallow
PLANTING DATE.....October 25, 2014
FERTILIZER.....90lb of N/A on March 17, 2015; 50lb of N/A on March 31, 2015
HERBICIDE.....0.9 oz/A of Finesse at Planting
INSECTICIDE.....None
FUNGICIDE.....None
HARVEST DATE .....June 9, 2015
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----------Inches----------								
Stuttgart	4.22	3.53	0.95	2.72	2.92	7.92	6.40	5.05	**33.71**
Normal	3.70	5.50	4.70	3.50	3.40	4.90	5.00	4.80	**35.50**
Departure	0.52	-1.97	-3.75	-0.78	-0.48	3.02	1.40	0.25	**-1.79**

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

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
DeltaGrow 3000	75.5			58.1	4/22	5/24	38
AR00343-5-1	74.0	72.1	73.7	56.0	4/26	5/26	34
AR01040-4-1	68.4	69.2	75.3	56.1	4/26	5/25	32
Armor ARX1433	64.7			63.4	4/25	5/25	27
Armor ARX1332	64.6	66.6		63.1	4/25	5/25	25
Armor Havoc	63.8	70.3	73.0	62.6	4/26	5/24	30
Syngenta SY Harrison	63.8	71.5	73.6	60.3	4/23	5/24	25
AgriMAXX 413	63.5	70.7	72.6	60.9	4/23	5/23	30
GW2056	63.3	71.8	68.9	62.1	4/26	5/27	25
Armor ARX1327	62.8	73.7		62.2	4/27	5/29	27
DeltaGrow 9700	62.2	68.3	67.1	59.9	4/23	5/24	29
Terral TV8848	61.8	77.0	75.4	61.4	4/25	5/27	31
AgriMAXX 415	61.5	68.6	72.0	64.1	4/24	5/23	28
Dixie McAlister	61.1	70.6	71.3	62.3	4/26	5/28	27
AgriMAXX 447	60.7	74.9	76.6	56.8	4/28	5/30	29
Progeny PGX14-4	60.6			61.4	4/25	5/25	30
Armor Vandal	60.5	68.2	67.6	58.6	4/26	5/27	28
Progeny 870	60.3	72.0	72.4	62.2	4/26	5/29	29
DixieBell 500	60.3			62.2	4/27	5/29	29
USG 3251	60.0	72.9	74.9	61.1	4/27	5/28	30
GW2058	59.7			63.9	4/24	5/24	25
AgriMAXX 438	59.4			59.2	4/27	5/27	30
Dixie DXEX15-2	59.0			62.0	4/27	5/27	27
AR05079-2-1	58.7			57.6	4/26	5/27	33
LCS2347	58.7			63.9	4/22	5/23	31
USG 3438	58.4	69.4	73.5	61.9	4/27	5/29	29

Table 6. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
Delta Grow 3200	58.3	60.5		63.7	4/26	5/26	24
Dixie Extreme	58.1	69.2	71.5	59.4	4/23	5/25	30
DeltaGrow EXP1101	57.5			62.0	4/24	5/26	30
Progeny PGX14-8	57.5			60.4	4/27	5/28	27
DixieBell 620	57.3	67.6	71.5	60.3	4/26	5/29	29
Armor ARX1413	57.2			61.3	4/27	5/27	29
Pat	57.1			61.6	4/26	5/27	31
Dixie Kelsey	57.0			63.2	4/23	5/23	26
Dyna-Gro 9012	57.0	67.2	71.2	64.0	4/23	5/24	27
GW2057	56.8	69.5		63.5	4/21	5/23	30
Dyna-Gro 9552	56.2			63.3	4/26	5/27	28
USG 3201	56.1	71.1	74.1	63.4	4/27	5/29	27
Terral TV8861	56.1	66.2	65.3	62.0	4/25	5/25	27
Pioneer 26R10	56.0	68.8	69.3	61.6	4/22	5/23	27
DixieBell 7880	55.8	68.2	71.9	61.2	4/29	5/31	30
Dyna-Gro 9171	55.6	70.6	73.1	61.8	4/27	5/29	25
Progeny PGX13-6	55.0	73.4		62.4	4/25	5/24	27
USG EXP3756	54.4			63.0	4/25	5/25	27
Dixie DXEX15-1	54.1			61.9	4/25	5/25	27
Armor ARX1325	53.7	70.9		62.1	4/26	5/27	29
USG 3013	53.7	68.4	71.2	60.2	4/28	5/29	29
Dyna-Gro 9223	53.7	65.1	67.3	58.5	4/23	5/24	27
AR05074-12-1	53.6			63.4	4/25	5/27	29
ARNC09-22402	53.5	56.9		55.8	4/27	5/29	29
Progeny PGX14-3	53.1			62.3	4/25	5/25	25
Armor ARX1415	53.0			56.7	4/25	5/25	25
VA11W-106	52.9			61.5	4/25	5/25	28
Dyna-Gro 9522	52.4	70.5		62.7	4/20	5/20	28
AR05079-2-2	52.2			53.3	4/24	5/25	30
Pioneer 26R41	52.1	66.0	68.1	62.7	4/25	5/25	23
AgriMAXX 444	52.0	71.1		62.0	4/25	5/22	27
AgriMAXX 446	51.8	69.0		62.8	4/26	5/27	26
USG 3833	51.7	69.8	71.9	57.9	4/27	5/29	29
GA07163-12LE9	51.4			49.2	4/30	6/1	30
ARGA04510-11LE24	51.0	64.1		63.2	4/23	5/22	28
Pioneer 26R53	50.6	62.0	65.9	63.6	4/20	5/23	28
USG 3523	50.5	65.7	69.5	62.5	4/27	5/29	28
DeltaGrow 2700	50.4	68.7		62.3	4/25	5/9	26
Armor ARX1412	50.2			62.3	4/24	5/23	28
Hilliard	50.0			61.7	4/29	6/1	25
USG 3404	49.8	68.9		60.4	4/28	5/29	24
Progeny 357	49.4	64.3	65.5	59.2	4/25	5/27	28
Dyna-Gro WX15742	48.3			61.7	4/26	5/27	29
Progeny 410	48.3			58.6	4/25	5/25	26
AgriMAXX Exp1558	47.9			61.1	4/23	5/24	31
Pioneer XW13T	47.5			57.5	4/24	5/24	23
AR05094-4-1	47.1			60.0	4/26	5/27	31
Armor ARX1418	46.6			61.1	4/25	5/26	29
AR05055-1-1	46.4			63.3	4/25	5/24	24

Table 6. Continued.

Entry Name	Yield (bu/A)	2-year Average (bu/A)	3-year Average (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)
Dyna-Gro 9591	45.8			62.1	4/25	5/25	25
Pioneer XW13W	45.7			61.8	4/25	5/25	27
Syngenta Oakes	45.3	56.9	60.5	61.8	4/25	5/27	27
Syngenta SY Cypress	44.5	49.7		59.3	4/25	5/27	25
AGS 2038	43.8	50.0	55.7	47.4	4/28	5/31	30
Dixie DXEX13-3	42.8	56.3	63.4	60.2	4/26	5/27	30
Progeny 125	42.8	54.8	58.3	60.0	4/25	5/26	29
Syngenta SX 104	42.6			60.9	4/25	5/25	27
AgAlumni Ex05247	40.6			53.2	4/25	5/25	28
DeltaGrow EXP1800	38.6			60.6	4/22	5/23	26
Progeny 117	38.4	51.7	53.6	59.7	4/26	5/25	30
LA09011UB-2	38.0			62.5	4/25	5/25	21
Terral LA841	36.9	46.7		61.6	4/24	5/23	27
AgAlumni Ex0762	35.5			59.3	4/27	5/29	22
LA01110D-150-241	34.9			62.0	4/25	5/26	27
ARGA04494-11E49	34.8			61.5	4/26	5/28	25
GA04434-12LE28	34.6			60.9	4/23	5/24	26
Terral LA754	34.5	44.3	54.4	61.1	4/27	5/29	26
Pioneer 26R87	34.5	42.6	48.9	62.7	4/25	5/24	25
LCS3211	34.0			60.7	4/25	5/25	26
Progeny PGX14-5	32.6			60.8	4/22	5/22	28
LCS1171	32.4			61.5	4/24	5/24	26
LANC8170-41-2	32.0			62.3	4/25	5/27	22
USG 3225	29.7			61.4	4/25	5/25	25
LA03200E-2	23.2	43.8	51.9	60.8	4/25	5/25	23
AgAlumni Ex02444	22.9			60.8	4/23	5/24	23
AGS 2040	22.3	35.6	42.8	60.8	4/24	5/22	24
AR01044-1-1	21.3	42.8		60.8	4/26	5/28	22
AGS 2027	17.6			60.8	4/24	5/25	24
AGS 2035	16.2	30.0	38.4	60.8	4/27	5/29	27
GA04417-12E33	12.7			60.8	4/20	5/21	23
GA03564-12E6	9.9			60.8	4/27	5/29	22
Mean	49.4	63.7	66.5	60.8	4/25	5/26	27
LSD (5%)	10.8			2.6	3.0	6.0	
C.V. (%)	11.1			2.2	1.1	1.9	

Table 7. Disease ratings of wheat cultivars in Newport and Fayetteville.[1]

Entry Name	Fayetteville *Fusarium* Head Blight Severity (%)	Fayetteville Stripe Rust (%)	Newport *Fusarium* Head Blight Severity (%)	Newport Stripe Rust (%)
AgAlumni Ex02444	25.0	1.3	28.3	3.0
AgAlumni Ex05247	28.3	1.3	18.3	5.3
AgAlumni Ex0762	20.0	0.0	26.7	0.7
AgriMAXX 413	31.7	0.0	30.0	0.0
AgriMAXX 415	28.3	0.7	23.3	0.0
AgriMAXX 438	31.7	0.7	28.3	0.0
AgriMAXX 444	41.7	2.0	30.0	0.0
AgriMAXX 446	51.7	3.7	33.3	5.7
AgriMAXX 447	36.7	2.0	25.0	0.0
AgriMAXX Exp1558	76.7	9.7	26.7	43.3
AGS 2027	71.7	3.7	83.3	0.0
AGS 2035	78.3	5.3	61.7	56.7
AGS 2038	80.0	7.0	48.3	2.3
AGS 2040	58.3	0.7	58.3	0.0
AR00343-5-1	35.0	15.0	21.7	5.7
AR01040-4-1	35.0	0.7	20	0.7
AR01044-1-1	31.7	0.7	26.7	0.0
AR05055-1-1	75.0	12.3	26.7	7.3
AR05074-12-1	43.3	30.0	23.3	38.3
AR05079-2-1	30.0	5.3	20.0	1.3
AR05079-2-2	46.7	12.3	26.7	30.0
AR05094-4-1	51.7	30.0	25.0	12.3
ARGA04494-11E49	70.0	0.0	91.7	0.0
ARGA04510-11LE24	76.7	0.0	65.0	0.0
Armor ARX1325	43.3	3.7	21.7	2.3
Armor ARX1327	40.0	2.0	15.0	0.0
Armor ARX1332	56.7	15.0	13.3	0.0
Armor ARX1412	23.3	9.7	8.3	26.7
Armor ARX1413	98.3	30.0	53.3	80.0
Armor ARX1415	48.3	7.0	35.0	0.7
Armor ARX1418	66.7	7.0	30.0	55.0
Armor ARX1433	95.0	30.0	25.0	56.7
Armor Havoc	46.7	0.0	25.0	0.0
Armor Vandal	51.7	9.7	25.0	1.3
ARNC09-22402	45.0	5.3	55.0	0.7
DeltaGrow 2700	40.0	4.7	105.0	0.0
DeltaGrow 3000	38.3	20.0	25.0	25.0
DeltaGrow 3200	60.0	15.0	30.0	0.0
DeltaGrow 9700	26.7	3.0	28.3	0.0
DeltaGrow EXP1101	18.3	0.7	15.0	0.0
DeltaGrow EXP1800	73.3	10.0	28.3	56.7
Dixie DXEX13-3	45.0	0.7	30.0	0.0
Dixie DXEX15-1	38.3	3.7	26.7	0.0
Dixie DXEX15-2	40.0	2.0	28.3	0.0
Dixie Extreme	30.0	1.3	25.0	0.0
Dixie Kelsey	31.7	3.0	28.3	0.0
Dixie McAlister	33.3	0.7	36.7	0.0
DixieBell 500	40.0	2.0	18.3	0.7
DixieBell 620	58.3	5.3	30.0	0.0

Table 7. Continued.

Entry Name	Fayetteville *Fusarium* Head Blight Severity (%)	Fayetteville Stripe Rust (%)	Newport *Fusarium* Head Blight Severity (%)	Newport Stripe Rust (%)
DixieBell 7880	38.3	30.0	26.7	56.7
Dyna-Gro 9012	31.7	0.0	20.0	0.7
Dyna-Gro 9171	40.0	0.7	35.0	2.3
Dyna-Gro 9223	31.7	2.0	25.0	0.7
Dyna-Gro 9522	43.3	3.0	25.0	2.3
Dyna-Gro 9552	55.0	3.0	36.7	2.3
Dyna-Gro 9591	61.7	7.0	31.7	29.0
Dyna-Gro WX15742	71.7	9.7	38.3	45.0
GA03564-12E6	71.7	3.7	71.7	3.7
GA04417-12E33	86.7	0.0	80.0	0.0
GA04434-12LE28	68.3	0.0	65.0	0.0
GA07163-12LE9	68.3	0.7	61.7	0.0
GW2056	28.3	1.3	43.3	0.0
GW2057	31.7	20.0	23.3	45.0
GW2058	41.7	20.0	18.3	0.0
LA01110D-150-241	60.0	3.0	85.0	0.7
LA03200E-2	55.0	4.7	68.3	1.3
LA09011UB-2	43.3	0.0	66.7	0.0
LANC8170-41-2	41.7	0.0	53.3	0.0
LCS1171	53.3	50.0	60.0	80.0
LCS2347	63.6	50.0	63.3	75.0
LCS3211	86.7	50.0	53.3	11.3
Pat	46.7	8.0	33.3	3.0
Pioneer 26R10	31.7	1.3	31.7	0.0
Pioneer 26R41	36.7	0.0	33.3	0.0
Pioneer 26R53	41.7	3.7	38.3	0.0
Pioneer 26R87	38.3	0.0	90.0	0.0
Pioneer XW13T	45.0	4.7	61.7	0.0
Pioneer XW13W	33.3	1.3	16.7	0.0
Progeny 117	86.7	30.0	76.7	87.7
Progeny 125	80.0	36.7	56.7	75.0
Progeny 357	50.0	9.7	25.0	3.0
Progeny 410	86.7	50.0	61.7	90.3
Progeny 870	23.3	0.0	26.7	0.7
Progeny PGX13-6	33.3	1.3	26.7	2.3
Progeny PGX14-3	21.7	15.0	26.7	10.7
Progeny PGX14-4	40.0	1.3	21.7	0.0
Progeny PGX14-5	11.7	12.3	23.3	0.0
Progeny PGX14-8	58.3	3.0	40.0	3.0
Syngenta Oakes	28.3	12.3	41.7	0.7
Syngenta SX 104	26.7	0.7	31.7	0.0
Syngenta SY Cypress	86.7	17.3	53.3	0.7
Syngenta SY Harrison	58.3	3.7	33.3	0.0
Terral LA754	71.7	12.3	86.7	10.0
Terral LA841	91.7	3.7	95.0	0.0
Terral TV8848	35.0	3.7	20.0	0.0
Terral TV8861	35.0	0.7	26.7	0.0

Table 7. Continued.

Entry Name	Fayetteville *Fusarium* Head Blight Severity (%)	Fayetteville Stripe Rust (%)	Newport *Fusarium* Head Blight Severity (%)	Newport Stripe Rust (%)
USG 3013	31.7	0.7	23.3	0.0
USG 3201	31.7	3.0	18.3	0.0
USG 3225	95.0	1.3	93.3	0.0
USG 3251	40.0	3.0	30.0	0.0
USG 3404	40.0	0.7	28.3	0.0
USG 3438	38.3	0.7	25.0	0.0
USG 3523	30.0	1.3	23.3	0.7
USG 3833	33.3	3.7	18.3	0.0
USG EXP3756	23.3	12.3	10.0	3.0
VA11W-106	46.7	1.3	23.3	0.0
Hilliard	30.0	0.7	25.0	0.0
Mean	48.2	8.1	38.2	10.9
LSD (5%)	21.1	50.5	45.9	74.3
C.V. (%)	16.4	6.6	28.2	13.1

[1]Data on *Fusarium head blight* severity from two-row plots grown in misted inoculated nurseries.

PARTICIPANTS AND ENTRIES
2014-2015 WHEAT VARIETY TEST

Company	Variety
Agricultural Alumni Seed Improvement Association, Inc. 702 State Road 28 E PO Box 158 Romney, IN 47981	AgAlumni Ex02444 AgAlumni Ex05247 AgAlumni Ex0762
AgriMaxx Wheat Company 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX 413 AgriMAXX 415 AgriMAXX 438 AgriMAXX 444 AgriMAXX 446 AgriMAXX 447 AgriMAXX Exp1558
AG South Genetics P.O. Box 72246 Albany, GA 31708-2246	AGS 2027 AGS 2035 AGS 2038 AGS 2040
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor ARX1325 Armor ARX1327 Armor ARX1332 Armor ARX1412 Armor ARX1413 Armor ARX1415 Armor ARX1418 Armor ARX1433 Armor Havoc Armor Vandal
Delta Grow Seed 220 NW 2nd Street England, AR 72046	DeltaGrow 2700 DeltaGrow 3000 DeltaGrow 3200 DeltaGrow 7500 DeltaGrow 9700 DeltaGrow EXP1101 DeltaGrow EXP1800

PARTICIPANTS AND ENTRIES, Continued.

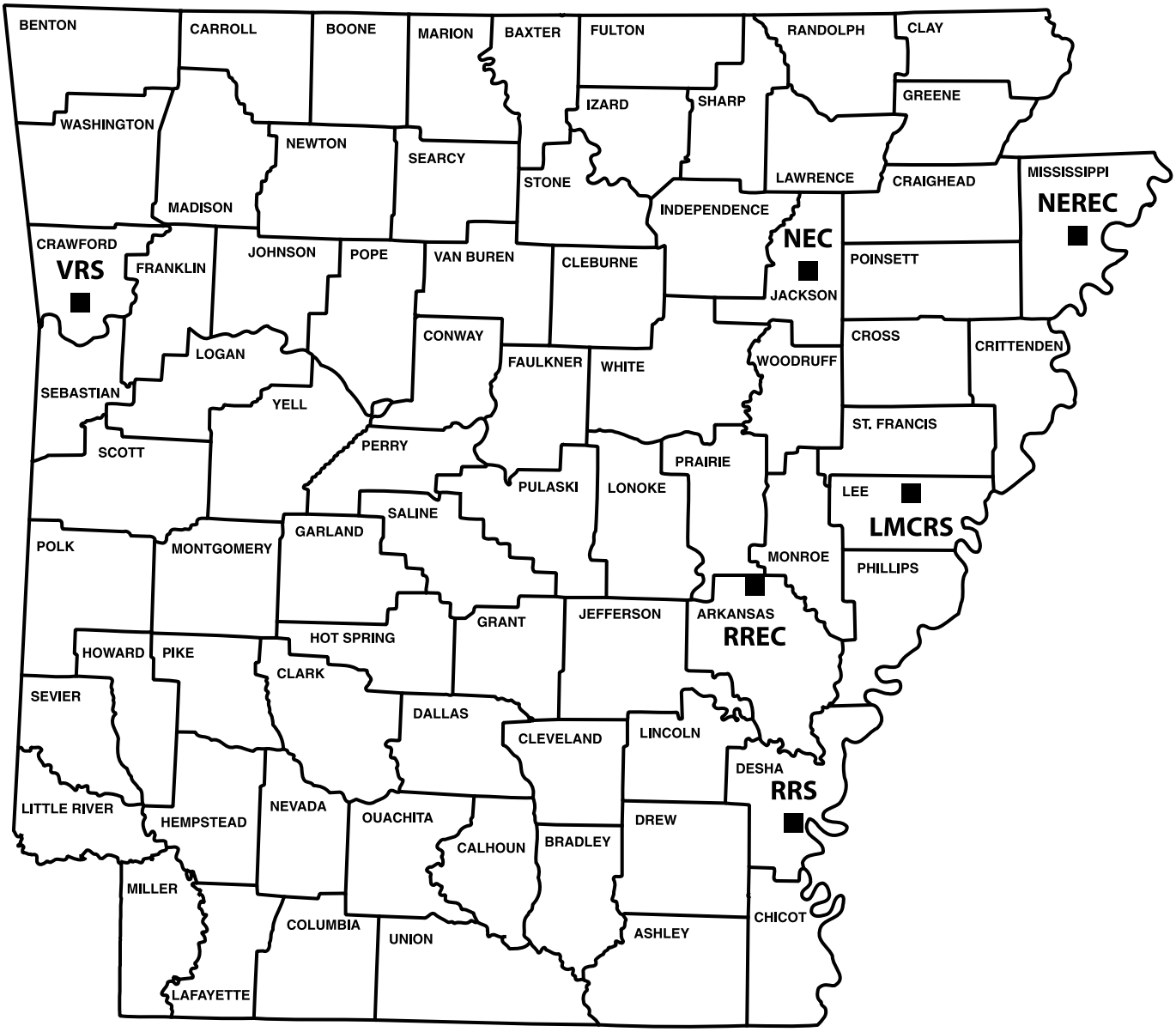
Company	Variety
B & S Seed Company, Inc. 1283 HWY. 444 Duncan, MS 38740	DixieBell 500 DixieBell 620 DixieBell 7880
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Dixie DXEX13-3 Dixie DXEX15-1 Dixie DXEX15-2 Dixie Extreme Dixie Kelsey Dixie McAlister
Dyna-Gro Seed 6221 Riverside Dr. Suite One Dublin, OH 43017	Dyna-Gro 9012 Dyna-Gro 9171 Dyna-Gro 9223 Dyna-Gro 9522 Dyna-Gro 9552 Dyna-Gro 9591 Dyna-Gro WX15742
Stratton Seed 1530 HWY. 79 S Stuttgart, AR 72160	GW2056 GW2057 GW2058
Limagrain Cereal Seeds 4846 E 450N Lafayette, IN 47905	LCS1171 LCS2347 LCS3211
Pioneer Hi-Bred Int'l, Inc. 700 Boulevard South Ste. 302 Huntsville, AL 35802	Pioneer 26R10 Pioneer 26R41 Pioneer 26R53 Pioneer 26R87 Pioneer XW13T Pioneer XW13W

PARTICIPANTS AND ENTRIES, Continued.

Company	Variety
Progeny Ag Products 1529 Hwy 192 South Wynne, AR 72396	Progeny 117 Progeny 125 Progeny 357 Progeny 410 Progeny 870 Progeny PGX13-6 Progeny PGX14-3 Progeny PGX14-4 Progeny PGX14-5 Progeny PGX14-8
Syngenta Seed 778 CR 680 Bay, AR 72411	Syngenta Oakes Syngenta SX 104 Syngenta SY Cypress Syngenta SY HARRISON
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral LA754 Terral LA841 Terral TV8848 Terral TV8861
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG EXP3756 USG3013 USG3201 USG3225 USG3251 USG3404 USG3438 USG3523 USG3833

Public Institution	**Variety**
Louisiana State University Agronomy Department 221 M.B. Sturgis Hall Baton Rouge, LA 70803-2110	LA01110D-150-241 LA03200E-2 LA09011UB-2 LANC8170-41-2
University of Arkansas 115 Plant Sciences Building Fayetteville, AR 72701	AR00343-5-1 AR01040-4-1 AR01044-1-1 AR05055-1-1 AR05074-12-1 AR05079-2-1 AR05079-2-2 AR05094-4-1 ARGA04494-11E49 ARGA04510-11LE24 ARNC09-22402 Pat
University of Georgia 1109 Experiment St. Griffin, GA 30223	GA03564-12E6 GA04417-12E33 GA04434-12LE28 GA07163-12LE9
VA Tech EVAREC 2229 Menokin Road Warsaw, VA 22572	VA11W-106 Hilliard

WHEAT TEST LOCATIONS



LMCRS - **Lon Mann Cotton Research Station, Marianna**
NEC - **Newport Extension Center, Newport**
NEREC - **Northeast Research and Extension Center, Keiser**
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