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Arkansas Wheat Cultivar Performance Tests 2016-2017

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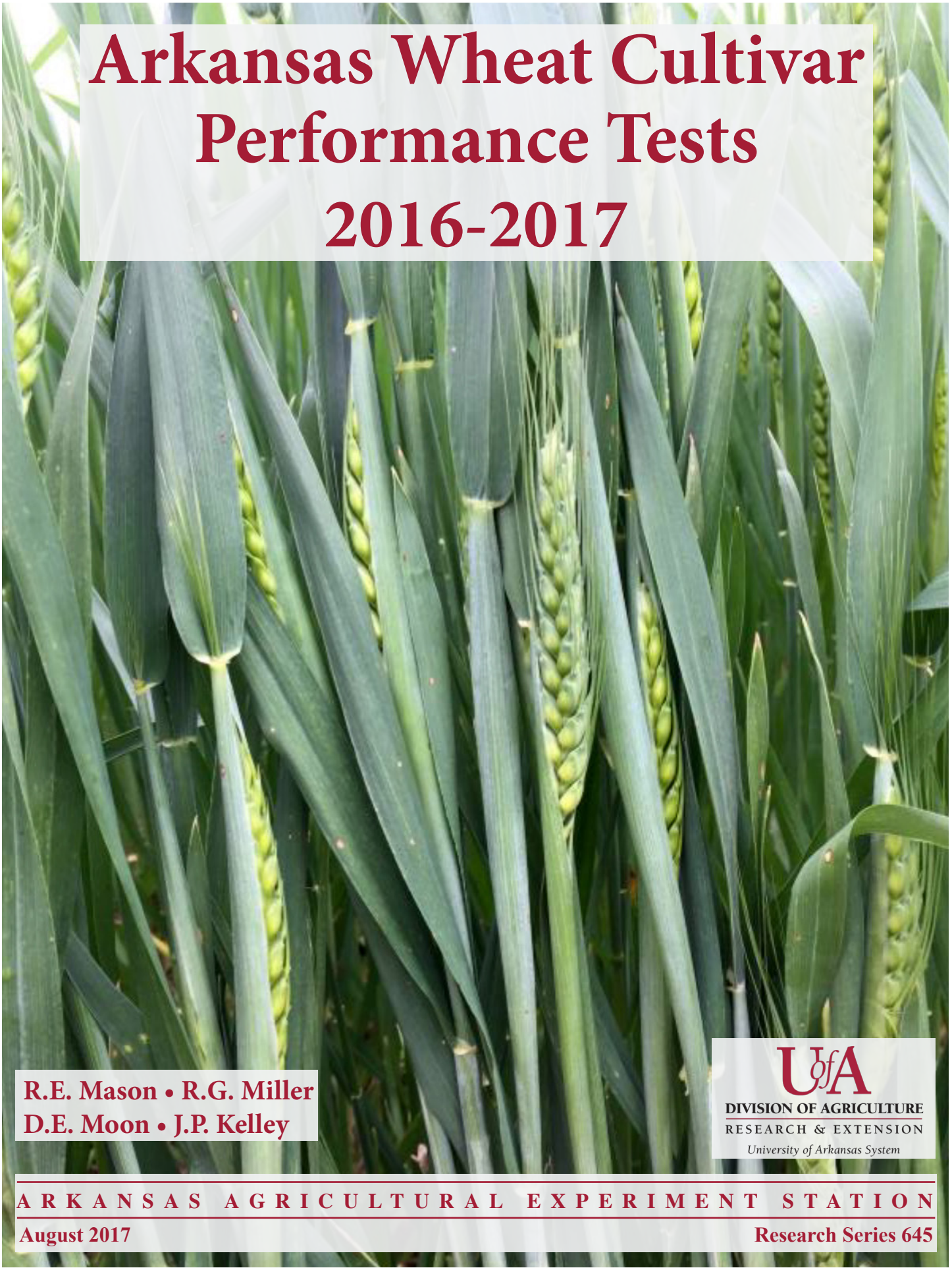

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DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

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Contents

Arkansas Wheat Cultivar Performance Tests[1] 2016-2017

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 University of Arkansas System DIvision of Agriculture's Arkansas Agricultural Experiment Station, Department of Crop, Soil and Environmental Sciences. The tests provide information to companies developing cultivars and 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. In 2016-2017, an additional test was planted at the Pine Tree Research Station near Colt. In addition, entries are evaluated in a stripe rust (*Puccinia striiformis* f.sp. *tritici*) inoculated nursery in Fayetteville and *Fusarium* head blight (FHB) inoculated nursery in Newport. Specific location and cultural practice information accompany each table.

Methods

Each wheat test contained 96 entries. A randomized complete block experimental design with 4 replications was used for all tests. A seeding rate of 105 lbs/A was used to establish plots 20 feet in length and 49 inches in width (7 rows, 7 inches apart). The tests at Rohwer and Pine Tree were 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 lbs/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: Grain yield was calculated from the weight of seed from each plot as measured by the Harvest Master Pro 4100 and is expressed as bushels per acre (bu/A) at 13.0% moisture content.

Test weight: Test weight, expressed in pounds per bushel (lbs/bu), was determined using the Harvest Master Pro 4100 at 13.0% moisture.

Lodging: Lodging is reported as an estimated percentage of plants prostrate at maturity: 1 = 10% lodged; 10 = 100% lodged. Lodging ratings are taken at or near harvest.

Heading Date: Heading dates are reported as the day of year that an estimated 50% of the heads were fully emerged from the boot.

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

Disease Ratings: Disease infections are rated visually based on the percentage (0-100 or 0-9) of leaf or glume area displaying symptoms on a whole plot basis, with higher numbers equating to higher levels of infection, 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]Associate Professor, Program Associate II, Program Associate II, and Associate Professor, respectively, Department of Crop, Soil and Environmental Sciences, University of Arkansas, Fayetteville, Ark. 72701.

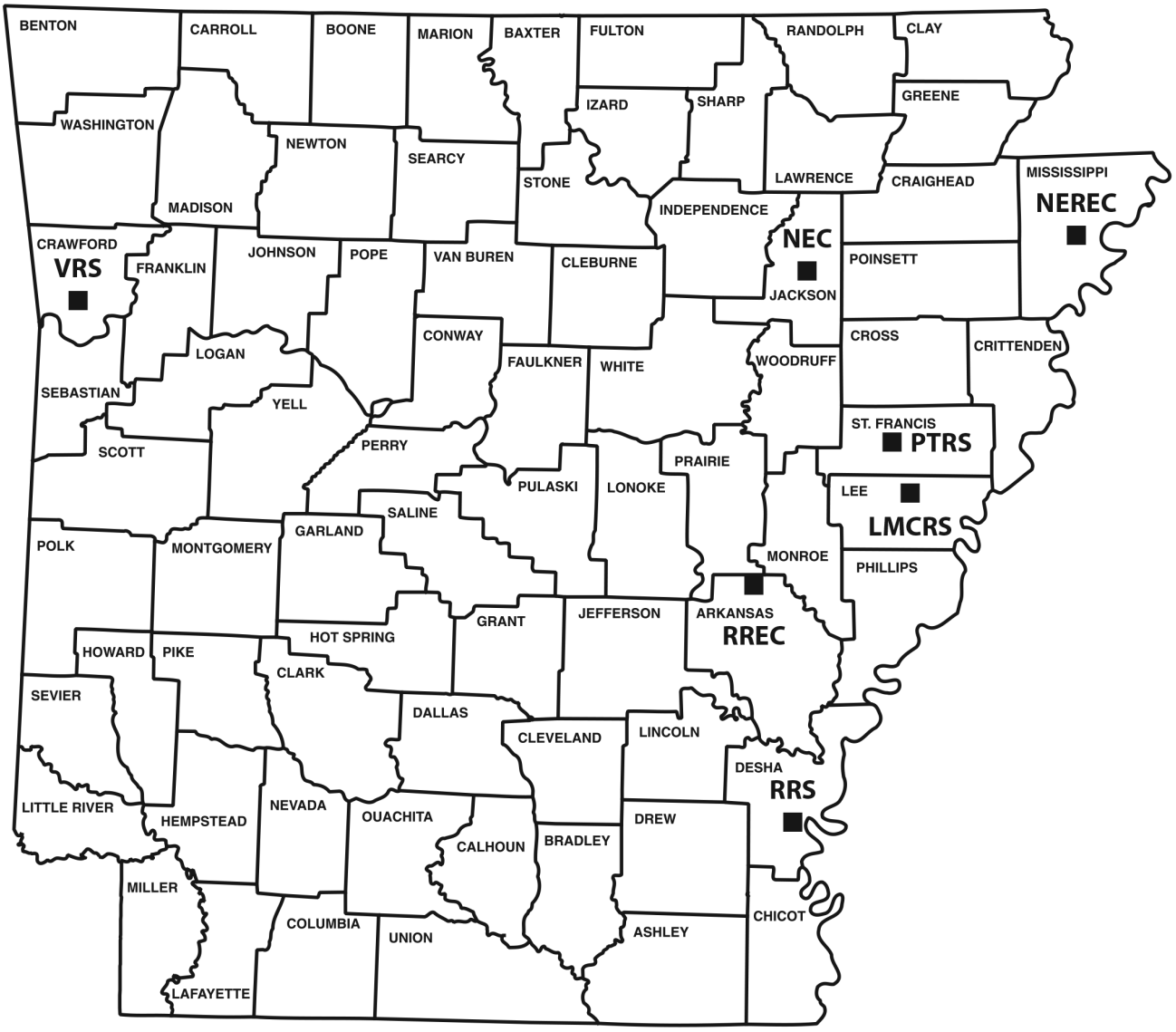
Weather Summary

Overall planting conditions were favorable and a dry winter resulted in good plant establishment. Total rainfall was below average for all locations, particularly during late fall and winter. A mild winter resulted in average heading dates 10-14 days ahead of normal. Freezing temperatures (26-32 ºC) around March 15 and early heading resulted in some minor freeze damage. The test at Stuttgart was planted and not harvested due to severe geese damage.

Results

Variety testing plots were established in 6 Arkansas locations, including Keiser, Kibler, Marianna, Newport, Pine Tree, and Rohwer. Yields were average to above average across locations while test weight was lower than average, likely due to both freeze damage and a shortened growing season. The highest average grain yield was observed in Newport (80.4 bu/A) and the lowest in Keiser (60.1 bu/A). Moderate levels of stripe rust and leaf rust were observed in most locations, particularly on highly susceptible lines. At Newport, application of a foliar fungicide resulted in a 9.1 bu/A increase in mean grain and a 0.9 lb/bu increase in test weight compared to the standard treatment. At Rohwer, application of a foliar fungicide resulted in a 5.6 bu/A increase in mean grain yield and 1.2 lb/bu increase in mean test weight. Ratings at various locations were taken by Esten Mason and Program Associates David Moon and Randy Miller.

Wheat Test Locations



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

Table 1. Summary of statewide and Delta wheat yields in Arkansas.

	Statewide Yield (bu/A)				Delta Yield (bu/A)			
Entry name	2-year Average	3-year Average	2017 Average	2017 Rank	2-year Average	3-year Average	2017 Average	2017 Rank
AgriMAXX 415	72.2	71.1	77.5	28	72.5	73.5	75.7	34
AgriMAXX 444	66.7	65.7	69.0	65	67.1	68.4	66.5	72
AgriMAXX 446	67.8	66.9	68.8	67	68.9	69.6	67.8	64
AgriMAXX 463	67.5		62.6	85	68.0		62.9	84
AgriMAXX 464			56.2	91			58.4	91
AgriMAXX 473	78.9		80.7	14	80.6		79.7	19
AgriMAXX 474			74.0	43			72.2	50
AgriMAXX 475	73.7		74.3	42	74.3		72.0	52
AgriMAXX Exp. 1786			66.3	73			63.0	82
AGS 2038	73.7	69.3	76.2	34	76.6	72.1	76.2	31
AGS 2055	81.0	77.6	82.8	9	82.3	79.8	84.0	3
AR051160-14LE31			75.7	35			77.2	28
AR06037-17-2	75.7		79.7	20	77.1		79.7	18
AR06050-7-2	71.4		72.9	46	72.0		72.8	47
AR06146E-1-4			81.8	11			81.5	10
AR06473-9-4-4	73.4		72.7	48	75.2		72.5	49
AR07084C-10-1			77.0	30			76.5	29
AR07133C-19-4			84.0	3			85.6	1
Armor Ambush	71.4		70.3	58	73.3		71.1	53
Armor Menace	73.2		73.4	44	74.3		72.6	48
Armor ARW1610			75.0	39			73.8	43
Armor ARW1612			43.2	95			44.3	95
Armor Lockdown			84.4	1			83.9	4
Armor Mayhem	79.1		80.3	18	80.2		77.9	24
DEI 16087			51.0	94			51.2	94
Delta Grow 1000	77.3	74.5	77.6	27	79.7	78.6	77.6	25
Delta Grow 3500	71.0	63.5	71.8	53	74.0	65.1	74.4	38
Delta Grow XP75	60.7	40.5	55.4	92	64.5	43.0	58.5	90
Dixie Bell 500	66.2	66.4	65.9	75	64.8	67.7	63.0	81
Dixie Bell 600	69.9		69.0	64	69.0		66.7	71
Dixie Bentley	78.0		81.6	12	80.1		82.6	7
Dixie Brown	78.5		81.4	13	80.2		81.2	12
Dixie DXEX 16-2	71.0		74.9	40	71.2		73.9	40
Dixie DXEX 17-1			70.3	59			68.3	63
Dixie Kelsey II	67.7	66.2	70.8	56	67.7	68.6	68.7	61
Dixie McAlister	73.1	71.8	76.6	31	73.3	74.4	74.7	36
Dyna-Gro 9012	72.6	70.2	75.1	38	74.1	73.2	73.8	42
Dyna-Gro 9171	76.0	72.7	79.6	21	75.9	74.5	77.2	27
Dyna-Gro 9223			59.7	89			56.8	92
Dyna-Gro 9522	65.1	64.8	65.7	77	63.7	65.6	62.6	85

Table 1. Summary of statewide and Delta wheat yields in Arkansas, Continued.

	Statewide Yield (bu/A)				Delta Yield (bu/A)			
Entry name	2-year Average	3-year Average	2017 Average	2017 Rank	2-year Average	3-year Average	2017 Average	2017 Rank
Dyna-Gro 9600			51.6	93			54.6	93
Dyna-Gro 9701	79.3		80.6	15	81.5		80.6	14
Dyna-Gro 9750			66.4	72			67.3	68
Dyna-Gro WX16722			69.9	63			69.1	60
GA051207-14E53			63.2	84			67.3	69
GA071012-14E6			68.9	66			69.7	57
GA07353-14E19			76.3	33			77.3	26
GAJT 141-14E45			67.6	69			67.5	66
GO Wheat 2058	73.6	72.1	77.9	25	77.0	76.4	78.3	22
GO Wheat 2059	66.4		64.5	81	66.0		64.0	77
L11538			80.1	19			80.4	16
L11550	77.3	72.8	78.8	22	78.9	75.3	78.6	21
L11610			67.9	68			67.4	67
L11621			72.2	50			74.2	39
LA01110D-150-241			63.6	83			64.2	76
LA09225C-33			71.8	52			73.6	44
LA09264C-P5			61.5	87			62.9	83
LCS 3204			67.3	70			65.7	74
Pioneer 26R10	64.4	65.1	65.8	76	63.4	65.7	62.4	86
Pioneer 26R36	76.9	75.8	83.4	6	77.4	78.1	81.6	9
Pioneer 26R41	80.5	77.4	83.5	5	81.8	79.5	83.1	5
Pioneer 26R53	73.0	71.5	77.4	29	72.9	73.0	76.3	30
Pioneer 26R59	73.6	71.4	76.3	32	72.9	72.3	74.5	37
Pioneer 26R87	69.2	64.5	71.7	54	70.8	66.5	73.9	41
Pioneer XW15C			77.8	26			75.8	33
Progeny #BOSS			82.4	10			81.0	13
Progeny #Bullet	78.1		80.5	17	80.6		78.7	20
Progeny #Turbo	71.9		75.2	37	71.6		73.5	45
Progeny #Warrior	66.2		71.4	55	66.7		69.1	59
Progeny P243	58.1	58.9	60.4	88	60.9	63.2	61.5	88
Progeny P357	48.5	48.1	42.1	96	46.7	48.5	38.0	96
Progeny PGX14-5			66.7	71			65.3	75
Progeny PGX16-1			73.2	45			75.5	35
Progeny PGX16-3			65.3	78			62.1	87
Progeny PGX16-4			66.2	74			66.3	73
SX1790			75.7	36			76.0	32
SY 547			63.9	82			63.1	79
SY Harrison	65.3	65.5	64.7	80	64.9	66.8	63.7	78
SY Viper	69.5	67.0	72.4	49	68.2	68.1	69.3	58
TN 1501			70.1	61			68.5	62
TN 1604			64.8	79			66.8	70

Table 1. Summary of statewide and Delta wheat yields in Arkansas, Continued.

	Statewide Yield (bu/A)				Delta Yield (bu/A)			
Entry name	2-year Average	3-year Average	2017 Average	2017 Rank	2-year Average	3-year Average	2017 Average	2017 Rank
TX-EL2			80.5	16			80.5	15
USG 3197			57.5	90			59.6	89
USG 3404	68.5	65.9	72.1	51	68.6	67.6	70.7	56
USG 3448			72.7	47			70.9	54
USG 3536	80.6		82.8	8	82.7		81.3	11
USG 3895			84.2	2			82.5	8
USG EXP 3228			62.6	86			63.0	80
USG EXP 3458			70.3	60			67.7	65
USG EXP 3569			70.0	62			70.7	55
VA Hilliard	78.8	74.8	82.9	7	80.7	77.5	82.8	6
VA11W-108PA			83.8	4			84.2	2
VA11W-279			70.7	57			72.2	51
VA11W-313			74.6	41			73.3	46
VA12W-68			78.0	24			78.0	23
VA12W-72	75.0		78.8	23	76.8		79.8	17
Mean	71.8	67.6	71.7		72.7	69.7	71.3	
LSD (5%)			8.9				9.6	
C.V. (%)			4.5				4.9	

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

	Yield		2017 Data			
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)	(%)
Pioneer 26R41	69.8	68.4	72.0	7	55.0	0
Pioneer 26R36	69.6		70.5	15	54.9	2
AGS 2055	67.9	66.8	73.9	4	55.2	0
Delta Grow 1000	65.6		71.7	10	55.0	0
AgriMAXX 415	64.4	67.5	65.7	31	54.7	0
VA Hilliard	63.3		69.4	19	54.1	0
Dixie McAlister	62.1	65.1	62.7	46	52.4	0
GO Wheat 2058	60.9		70.4	16	54.9	7
L11550	59.2		67.4	27	55.0	0
AGS 2038	58.0	54.3	60.9	55	55.4	2
Dyna-Gro 9171	57.8	63.9	67.6	26	52.6	0
Pioneer 26R53	57.3	59.0	65.3	32	54.6	0
SY Viper	56.0		63.1	44	53.1	0
Dyna-Gro 9012	55.6	60.2	65.7	30	54.9	0
Dixie Bell 500	54.7		58.8	62	53.1	0
AgriMAXX 446	54.2	58.0	55.5	72	54.8	2
Dixie Kelsey II	54.1		58.4	63	54.1	0
Pioneer 26R59	54.1		64.6	35	50.6	0
AgriMAXX 444	53.6	61.2	53.9	77	53.1	0
Pioneer 26R87	53.4	51.6	54.1	75	54.7	0
SY Harrison	50.9	56.1	51.5	82	52.5	0
USG 3404	50.6	54.2	57.6	65	53.4	0
Dyna-Gro 9522	49.2		52.8	79	54.2	0
Pioneer 26R10	47.5	53.5	47.8	87	51.4	0
Progeny P243	47.2		48.2	86	52.1	15
Delta Grow 3500	46.4		51.8	81	54.4	0
Progeny P357	27.0	43.2	30.3	92	49.5	15
L11621			80.2	1	55.7	0
L11538			74.0	2	53.5	0
Dixie Brown			73.9	3	54.8	0
Progeny #Bullet			73.4	5	54.5	0
Progeny #Warrior			72.1	6	52.3	0
Dyna-Gro 9701			71.9	8	54.0	0
AR07133C-19-4			71.9	9	54.3	0
Progeny #Turbo			71.7	11	55.3	0
USG 3536			71.4	12	54.5	0
Armor Mayhem			71.2	13	54.2	0
Dixie Bentley			70.9	14	55.3	0
AR06146E-1-4			69.9	17	57.9	2
Armor Lockdown			69.5	18	55.9	2

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

	Yield		2017 Data			
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)	(%)
Pioneer XW15C			69.4	20	49.8	0
AgriMAXX 473			69.3	21	55.2	0
AR051160-14LE31			68.1	22	55.3	0
USG 3895			67.8	23	53.4	0
VA11W-108PA			67.7	24	54.8	0
USG EXP 3458			67.6	25	52.0	2
GAJT 141-14E45			67.3	28	53.8	0
AgriMAXX 474			66.8	29	52.6	0
AR06037-17-2			65.0	33	54.2	0
Dixie DXEX 16-2			64.9	34	52.2	0
Progeny PGX16-4			64.5	36	54.9	0
AR06473-9-4-4			64.4	37	57.3	0
Progeny PGX16-1			63.8	38	53.5	0
VA11W-279			63.7	39	56.1	0
GA071012-14E6			63.4	40	55.7	0
Progeny #BOSS			63.4	41	52.6	0
TX-EL2			63.4	42	54.2	2
Armor Menace			63.3	43	54.8	0
Armor ARW1610			63.0	45	54.7	2
AgriMAXX 475			62.7	47	54.4	0
VA12W-68			62.4	48	54.5	0
LA09225C-33			62.2	49	54.9	2
Dyna-Gro WX16722			62.1	50	52.0	2
AR06050-7-2			61.6	51	55.9	0
GA07353-14E19			61.5	52	56.0	0
TN 1604			61.2	53	54.3	0
AR07084C-10-1			61.1	54	54.1	0
L11610			60.7	56	54.2	0
USG 3448			60.5	57	54.8	0
Armor Ambush			59.7	58	53.7	7
Dixie Bell 600			59.4	59	51.4	2
GA051207-14E53			59.4	60	52.7	7
USG EXP 3569			59.2	61	54.4	7
AgriMAXX Exp. 1786			57.6	64	54.3	0
Dyna-Gro 9750			57.5	66	52.2	0
VA12W-72			56.4	67	54.3	0
Progeny PGX16-3			56.4	68	50.6	0
Dixie DXEX 17-1			56.3	69	54.3	0
LA09264C-P5			56.1	70	55.6	0

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

	Yield		2017 Data			
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)	(%)
LA01110D-150-241			56.0	71	54.7	0
Progeny PGX14-5			55.3	73	55.2	15
SX1790			54.3	74	53.7	2
GO Wheat 2059			53.9	76	51.3	0
TN 1501			53.9	78	51.0	0
Dyna-Gro 9223			52.7	80	50.3	0
AgriMAXX 463			51.3	83	52.5	0
USG EXP 3228			50.8	84	51.3	0
LCS 3204			49.3	85	55.3	7
VA11W-313			47.1	88	54.1	2
Delta Grow XP75			46.3	89	53.2	30
SY 547			45.0	90	53.6	15
DEI 16087			30.6	91	51.8	50
AgriMAXX 464			30.3	93	50.1	70
USG 3197			28.5	94	50.7	30
Dyna-Gro 9600			26.2	95	49.3	50
Armor ARW1612			24.3	96	52.4	50
Mean	55.9	58.9	60.1		53.7	
LSD (5%)			7.9		1.2	
C.V. (%)			4.7		0.8	

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

Soil Series:	Sharkey silty clay	**Fertilizer Application(s):**	70 lb N/A 70 lb N/A	February 28, 2017 March 20, 2017
Previous Crop:	Fallow	**Herbicide Application(s):**	0.5 oz/A Finesse 16.4 oz/A Axial XL 2.1 pt./A Prowl H_2O	October 18, 2016 November 17, 2016 November 17, 2016
Planting Date:	October 18, 2016	**Fungicide Application(s):**	None	
Harvest Date(s):	June 6, 2017			

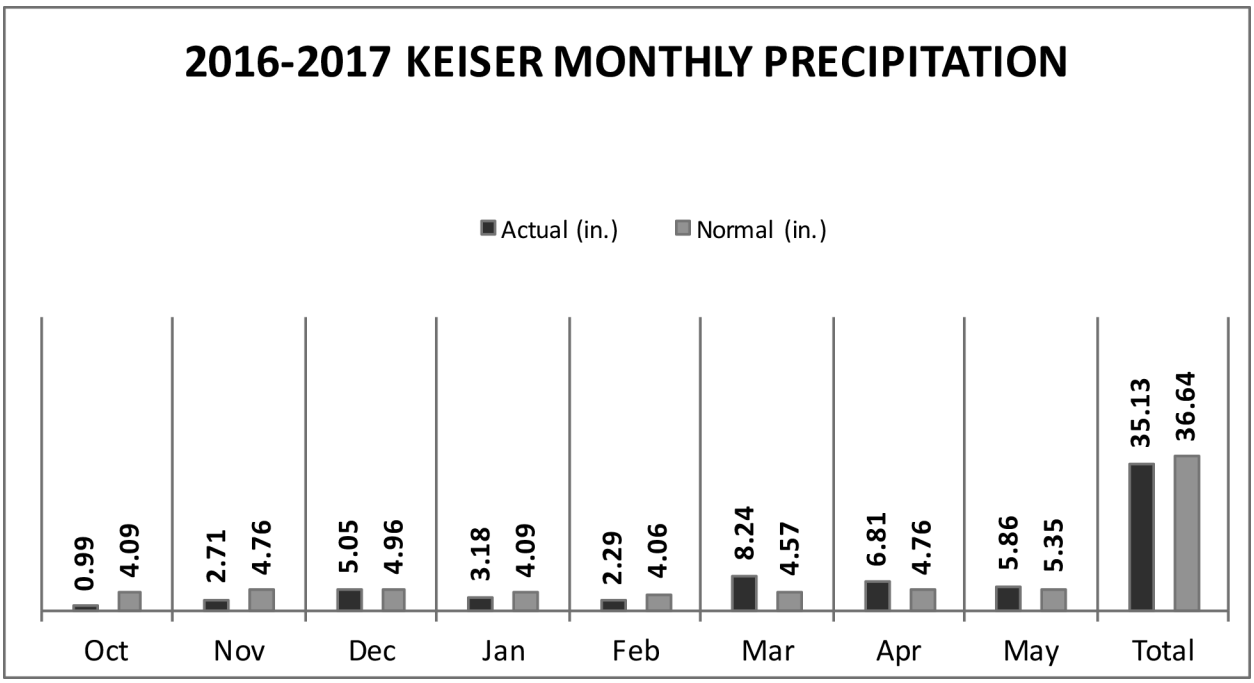


Table 3. Performance of wheat cultivars in the standard input test, Kibler.

	Yield		2017 Data						
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Lodging at maturity
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(0-9)
Armor Mayhem	78.3		92.1	3	57.8	4/9	5/21	38	0
Dyna-Gro 9171	78.2	67.1	91.2	4	56.3	4/7	5/24	35	0
Pioneer 26R59	77.5	68.8	85.8	14	51.6	4/10	5/21	31	0
Pioneer 26R36	77.2	68.5	92.3	2	57.0	4/10	5/24	38	0
Pioneer 26R41	77.2	70.1	85.6	16	57.6	4/10	5/19	32	0
SY Viper	76.1	63.9	87.9	8	56.5	4/6	5/19	41	3
AGS 2055	76.0	69.0	77.0	51	57.4	4/10	5/24	36	0
USG 3536	75.9		90.5	5	56.8	4/9	5/19	38	1
Dixie Bell 600	75.5		80.8	35	53.3	4/9	5/24	37	0
Pioneer 26R53	74.8	66.3	82.9	23	58.0	4/7	5/22	34	0
AgriMAXX 473	74.8		85.7	15	57.4	4/9	5/21	38	2
AgriMAXX 475	74.7		86.2	11	56.7	4/7	5/23	34	0
Dixie McAlister	74.3	63.1	86.0	13	56.3	4/9	5/19	34	0
Progeny #Turbo	74.2		83.4	17	56.2	4/5	5/17	34	0
Dixie Bell 500	73.5	62.5	80.1	39	56.4	4/11	5/25	34	0
Dixie Brown	73.4		82.8	25	57.5	4/8	5/20	36	0
AgriMAXX 415	73.2	62.8	86.2	12	57.9	4/10	5/23	35	1
Dyna-Gro 9701	73.0		80.5	38	56.9	4/7	5/21	37	0
VA Hilliard	73.0	65.0	83.1	18	56.3	4/6	5/21	37	0
Progeny #Bullet	72.9		89.3	6	57.2	4/9	5/19	38	0
L11550	72.7	63.8	79.8	41	57.9	4/10	5/21	34	0
Dyna-Gro 9522	72.2	62.5	80.8	36	56.5	4/11	5/23	36	0
AR06037-17-2	71.8		79.3	44	55.3	4/10	5/22	31	0
Dixie DXEX 16-2	71.7		79.7	42	54.9	4/9	5/19	33	0
Pioneer 26R10	71.4	64.7	82.9	22	55.7	4/10	5/23	35	1
Armor Menace	70.9		77.6	50	57.4	4/7	5/26	33	0
Dixie Bentley	70.6		76.6	52	57.9	4/5	5/18	39	0
Delta Grow 1000	70.5	60.2	77.7	49	57.1	4/10	5/22	34	0
Dixie Kelsey II	69.9	58.1	81.2	33	56.9	4/11	5/24	36	0
AR06050-7-2	69.7		73.3	63	59.9	4/9	5/18	38	3
USG 3404	69.2	60.0	79.1	45	56.3	4/11	5/23	34	0
Dyna-Gro 9012	69.2	60.4	81.2	32	58.5	4/9	5/22	35	0
AR06473-9-4-4	68.9		73.3	64	59.6	4/6	5/20	34	0
VA12W-72	68.1		73.6	62	55.8	4/7	5/20	33	0
AgriMAXX 444	68.1	56.7	81.6	29	57.1	4/12	5/22	34	0
GO Wheat 2059	67.5		67.3	71	53.4	4/7	5/19	34	0
SY Harrison	67.3	60.9	70.1	67	53.7	4/10	5/27	32	0
Progeny #Warrior	65.8		82.5	26	54.8	4/10	5/20	34	0
AgriMAXX 446	65.6	58.2	73.8	60	57.8	4/11	5/25	34	2

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

	Yield		2017 Data						
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Lodging at maturity
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(0-9)
AGS 2038	65.4	60.1	76.4	53	56.9	4/10	5/26	40	0
AgriMAXX 463	65.4		61.5	82	53.2	4/7	5/20	33	2
Armor Ambush	64.5		66.5	72	54.1	4/8	5/19	34	0
GO Wheat 2058	63.2	57.3	75.7	55	56.8	4/9	5/23	32	0
Pioneer 26R87	62.0	56.3	60.7	83	55.5	4/6	5/19	36	0
Delta Grow 3500	58.9	57.3	58.7	86	50.7	4/6	5/19	34	0
Progeny P357	58.5	48.6	62.8	78	53.1	4/12	5/24	35	0
Progeny P243	49.1	42.8	55.2	87	54.7	4/8	5/22	35	0
USG 3895			92.6	1	57.0	4/9	5/29	34	0
Progeny #BOSS			89.3	7	56.7	4/8	5/21	35	0
Pioneer XW15C			87.8	9	53.4	4/10	5/21	37	1
Armor Lockdown			86.7	10	58.2	4/5	5/19	40	1
AR06146E-1-4			83.1	19	58.7	4/6	5/19	37	0
USG EXP 3458			83.1	20	53.4	4/9	5/23	35	0
AgriMAXX 474			83.0	21	55.2	4/9	5/19	34	0
AgriMAXX Exp. 1786			82.8	24	57.9	4/12	5/23	38	0
VA11W-108PA			82.1	27	56.5	4/7	5/23	37	1
USG 3448			81.7	28	56.5	4/7	5/24	34	0
Progeny PGX16-3			81.5	30	53.9	4/10	5/22	38	0
Armor ARW1610			81.4	31	57.4	4/10	5/24	34	1
VA11W-313			81.1	34	54.9	4/6	5/19	31	0
TX-EL2			80.6	37	57.0	4/6	5/21	35	0
Dixie DXEX 17-1			79.9	40	56.3	4/6	5/25	33	0
AR07084C-10-1			79.4	43	56.6	4/6	5/20	38	1
L11538			79.0	46	55.9	4/9	5/22	38	2
TN 1501			78.5	47	50.6	4/7	5/19	35	2
VA12W-68			78.3	48	56.3	4/6	5/20	35	0
AR07133C-19-4			75.8	54	55.5	4/7	5/23	34	2
LCS 3204			75.3	56	56.7	4/8	5/20	36	0
Dyna-Gro 9223			74.4	57	53.1	4/10	5/19	38	0
Progeny PGX14-5			73.9	58	57.8	4/9	5/21	38	2
SX1790			73.9	59	54.8	4/6	5/22	37	2
Dyna-Gro WX16722			73.7	61	54.0	4/8	5/19	33	0
GA07353-14E19			71.0	65	55.7	4/6	5/26	36	1
L11610			70.2	66	56.9	4/6	5/17	35	2
GAJT 141-14E45			68.2	68	53.9	4/5	5/20	35	1
SY 547			68.0	69	55.4	4/7	5/23	37	0
AR051160-14LE31			67.8	70	55.3	4/7	5/17	33	2

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

	Yield		2017 Data						
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Lodging at maturity
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(0-9)
Progeny PGX16-4			66.1	73	56.4	4/8	5/20	35	0
USG EXP 3569			66.1	74	54.8	4/9	5/20	33	0
GA071012-14E6			65.3	75	53.8	4/7	5/19	35	0
VA11W-279			63.3	76	53.6	4/5	5/21	32	2
LA09225C-33			62.8	77	57.5	4/8	5/24	37	0
L11621			62.2	79	57.1	4/9	5/24	33	0
Dyna-Gro 9750			62.0	80	52.6	4/7	5/20	34	2
Progeny PGX16-1			61.6	81	51.4	4/6	5/24	34	0
LA01110D-150-241			60.5	84	54.6	4/6	5/19	36	0
USG EXP 3228			60.2	85	52.3	4/7	5/19	34	1
TN 1604			54.8	88	53.9	4/11	5/22	34	0
LA09264C-P5			54.4	89	54.9	4/6	5/20	32	0
DEI 16087			49.8	90	55.1	4/7	5/19	35	2
USG 3197			47.4	91	50.2	4/7	5/21	35	0
AgriMAXX 464			45.0	92	49.7	4/9	5/22	36	0
GA051207-14E53			42.5	93	49.9	4/5	5/21	35	0
Delta Grow XP75			39.9	94	50.5	4/6	5/21	32	0
Armor ARW1612			38.2	95	55.0	4/10	5/27	37	0
Dyna-Gro 9600			36.8	96	50.4	4/6	5/21	31	0
Mean	70.5	61.3	74.0		55.5	4/8	5/21	35	0
LSD (5%)			12.1		1.8	2	4	3	2
C.V. (%)			5.9		1.2	0.0	0.0	3.0	

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

Soil Series:	Roxanna silt loam	**Fertilizer Application(s):**	44.5 lb N/A + 50 lb S/A 45.5 lb N/A + 50 lb S/A	February 10, 2017 March 10, 2017
Previous Crop:	Fallow	**Herbicide Application(s):**	None	
Planting Date:	October 28, 2016	**Fungicide Application(s):**	None	
Harvest Date(s):	May 31, 2017			

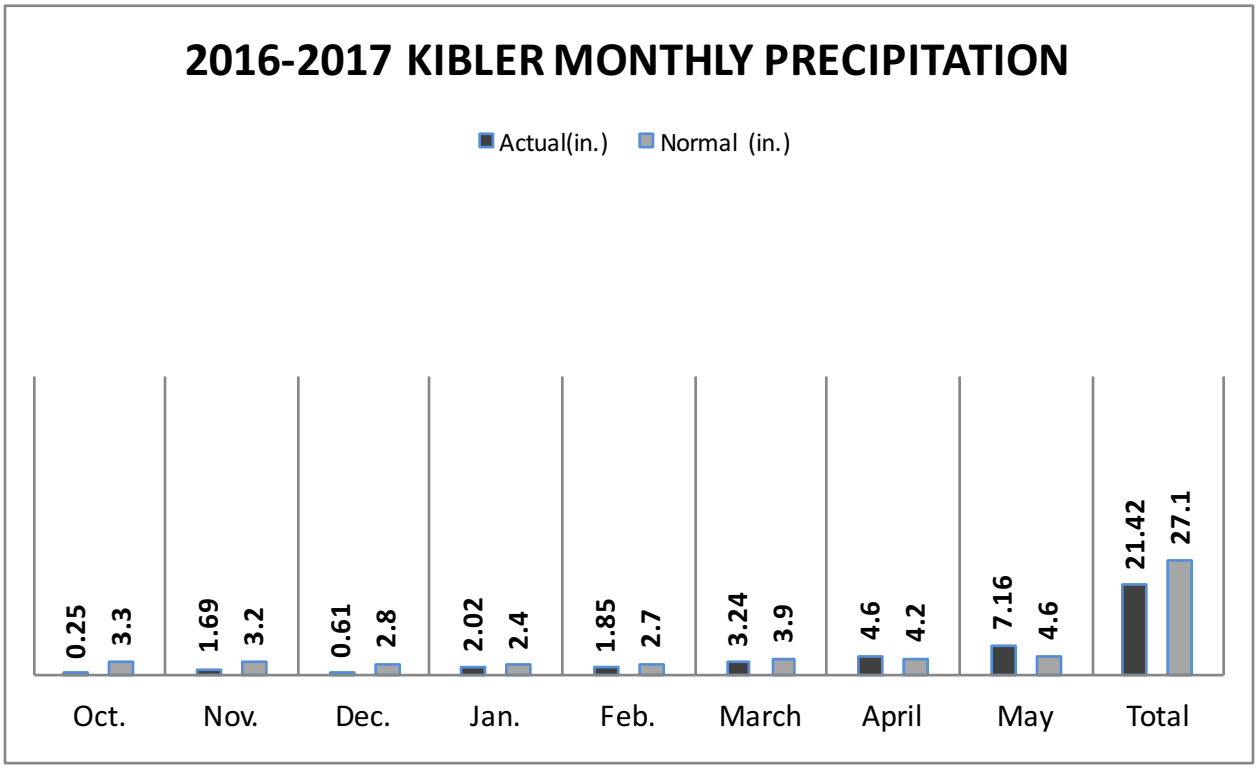


Table 4. Performance of wheat cultivars in the standard input test, Marianna.

	Yield		2017 Data							
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Leaf Rust	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(%)	(%)
Armor Mayhem	86.7		82.1	15	53.9	3/31	5/5	37	7	0
AGS 2055	86.5	88.8	86.1	1	55.5	3/27	5/2	37	1	7
USG 3536	85.9		80.2	22	54.5	4/1	5/5	36	11	0
Dixie Bentley	85.8		85.9	2	56.1	3/26	5/1	38	2	0
Dixie Brown	85.4		83.1	9	54.4	3/31	5/5	37	7	0
VA Hilliard	85.3	86.8	82.5	13	54.2	3/27	5/3	34	11	0
Pioneer 26R41	84.7	87.0	84.3	5	54.6	3/29	5/4	32	7	0
Dyna-Gro 9701	84.2		80.9	19	54.4	3/30	5/5	36	5	0
Delta Grow 1000	84.1	89.0	84.4	4	55.1	3/31	5/5	36	7	0
AGS 2038	83.0	80.9	82.4	14	54.6	3/28	5/5	37	2	0
Progeny #Bullet	83.0		81.7	16	53.9	3/30	5/4	35	11	0
GO Wheat 2058	82.7	85.8	83.7	8	54.9	3/29	5/5	31	5	0
AgriMAXX 473	81.7		79.5	24	54.0	3/31	5/4	35	5	0
AR06473-9-4-4	81.4		81.4	18	56.9	3/22	4/28	34	0	0
Delta Grow 3500	79.6	77.9	80.2	21	56.9	3/22	4/30	33	11	2
L11550	79.2	79.7	77.4	32	53.2	3/29	5/5	33	9	0
SY Viper	78.6	82.3	77.1	36	56.2	3/27	5/3	37	30	0
VA12W-72	78.4		77.1	38	54.0	3/26	5/2	32	50	0
Armor Ambush	78.3		72.0	48	56.2	3/28	5/5	35	11	2
AR06050-7-2	77.9		79.0	25	57.1	3/27	5/1	36	5	0
Progeny #Turbo	77.5		71.5	51	53.4	3/25	5/1	30	11	2
Dixie McAlister	77.3	82.3	75.4	42	53.0	3/30	5/4	31	23	0
AR06037-17-2	77.2		75.6	41	53.5	3/27	5/4	34	16	0
Pioneer 26R36	77.0	84.8	77.2	35	54.7	3/31	5/6	35	19	0
Dyna-Gro 9171	76.7	81.3	69.2	59	52.1	3/29	5/5	33	43	0
Dyna-Gro 9012	75.9	80.9	69.6	58	54.9	3/30	5/4	33	40	0
Armor Menace	75.6		68.2	63	52.1	3/29	5/5	33	23	0
AgriMAXX 415	74.4	79.1	70.4	54	54.9	3/28	5/4	32	23	0
AgriMAXX 475	74.3		69.6	57	52.2	3/30	5/5	32	15	0
GO Wheat 2059	73.3		65.5	72	51.7	3/28	5/4	33	11	0
AgriMAXX 463	73.3		66.7	68	51.9	3/27	5/3	33	23	2
Pioneer 26R53	72.1	79.5	67.6	65	53.8	3/30	5/5	31	50	0
AgriMAXX 444	72.0	77.8	64.0	73	52.2	4/1	5/6	35	50	0
Pioneer 26R87	72.0	74.0	70.4	55	59.0	3/23	4/29	33	23	7
Pioneer 26R59	71.8	80.6	63.0	80	49.0	3/28	5/2	29	50	7
Progeny #Warrior	70.4		62.9	81	52.4	3/28	5/3	30	40	15
Dixie DXEX 16-2	69.6		63.9	76	52.5	3/30	5/5	32	60	2
Dixie Bell 500	68.4	75.6	62.5	83	51.0	3/30	5/7	34	43	0
AgriMAXX 446	67.3	75.7	58.9	90	52.4	3/30	5/7	33	50	2
Dixie Kelsey II	67.2	74.3	60.6	86	50.2	3/31	5/4	32	43	0

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

	Yield		2017 Data							
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Leaf Rust	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(%)	(%)
USG 3404	67.1	73.7	63.5	78	51.6	3/31	5/4	34	50	0
Dyna-Gro 9522	66.3	73.6	60.5	87	52.9	3/30	5/4	34	11	0
SY Harrison	65.3	72.5	54.2	93	49.1	3/30	5/4	34	60	2
Progeny P243	64.9	71.5	61.0	84	53.4	3/28	5/4	33	40	30
Dixie Bell 600	64.7		61.0	85	50.2	3/30	5/3	36	50	0
Pioneer 26R10	61.2	70.9	54.9	92	50.1	3/30	5/3	33	50	0
Progeny P357	45.8	52.8	35.4	96	46.0	4/2	5/5	33	40	15
Armor Lockdown			84.7	3	56.1	3/26	5/1	36	2	0
GA07353-14E19			84.1	6	52.9	3/22	5/3	36	1	2
VA11W-108PA			83.8	7	54.4	3/27	5/4	36	2	0
AR06146E-1-4			83.1	10	54.7	3/25	4/30	35	8	0
AR07084C-10-1			83.1	11	54.3	3/24	5/3	36	0	0
TX-EL2			82.5	12	54.5	3/26	5/3	35	19	0
Armor ARW1610			81.5	17	54.2	3/29	5/3	32	5	0
AR051160-14LE31			80.5	20	54.7	3/26	5/1	33	5	0
AR07133C-19-4			80.0	23	54.3	3/27	5/4	32	9	0
USG 3895			78.4	26	52.3	3/29	5/6	32	19	0
Progeny PGX16-4			78.3	27	57.2	3/24	4/30	34	2	2
L11621			78.2	28	54.8	3/30	5/7	34	11	2
VA11W-279			77.8	29	55.2	3/23	4/30	32	2	2
VA12W-68			77.5	30	54.1	3/26	5/2	33	11	0
VA11W-313			77.5	31	55.4	3/23	4/28	29	9	0
LA09225C-33			77.4	33	54.5	3/25	5/4	36	1	0
L11538			77.2	34	55.8	3/28	5/3	34	33	0
Pioneer XW15C			77.1	37	53.7	4/1	5/5	37	7	0
SX1790			76.7	39	54.5	3/25	5/2	35	11	7
GAJT 141-14E45			75.8	40	56.2	3/23	4/27	32	1	0
TN 1604			74.9	43	54.5	3/28	5/4	33	11	0
Progeny #BOSS			74.5	44	52.4	3/30	5/5	31	29	2
GA071012-14E6			73.4	45	56.2	3/21	4/27	33	23	7
USG EXP 3569			73.2	46	56.1	3/29	5/4	37	7	0
Progeny PGX16-1			73.0	47	56.4	3/27	5/4	33	15	2
L11610			71.8	49	55.2	3/28	5/3	34	2	2
LCS 3204			71.6	50	58.8	3/26	5/2	36	23	7
Progeny PGX14-5			71.2	52	57.3	3/27	5/3	34	30	2
SY 547			70.7	53	55.1	3/28	5/5	35	11	7
AgriMAXX 464			70.3	56	51.1	3/28	5/5	35	11	7
LA01110D-150-241			69.1	60	54.7	3/22	4/26	34	2	0
Dyna-Gro 9750			69.1	61	52.4	3/27	5/4	31	15	2

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

	Yield		2017 Data							
Entry name	2-year Average	3-year Average	Yield	Rank	Test Weight	Head Date	Maturity Date	Plant Height	Leaf Rust	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)			(in.)	(%)	(%)
USG EXP 3228			68.4	62	53.1	3/28	5/3	31	23	2
TN 1501			68.1	64	51.9	3/22	5/1	32	58	2
GA051207-14E53			67.4	66	56.0	3/24	5/4	34	19	7
USG 3197			67.0	67	51.7	3/27	5/4	35	9	50
Dixie DXEX 17-1			66.7	69	52.3	3/30	5/5	34	40	0
USG 3448			66.5	70	51.8	3/30	5/6	32	33	0
Dyna-Gro 9600			66.3	71	52.8	3/24	4/30	32	23	30
USG EXP 3458			64.0	74	52.5	3/30	5/4	32	43	2
AgriMAXX 474			63.9	75	51.7	3/30	5/4	32	50	7
Delta Grow XP75			63.9	77	54.6	3/27	5/5	35	33	15
LA09264C-P5			63.4	79	56.1	3/22	4/28	31	5	15
AgriMAXX Exp. 1786			62.7	82	55.4	4/3	5/7	36	50	0
Dyna-Gro WX16722			59.5	88	52.4	3/29	5/4	32	50	0
Progeny PGX16-3			59.2	89	52.6	3/31	5/5	36	58	0
DEI 16087			57.1	91	53.9	3/27	5/2	36	30	50
Armor ARW1612			52.5	94	49.3	4/2	5/9	39	30	70
Dyna-Gro 9223			44.3	95	48.2	3/28	5/4	35	60	0
Mean	75.3	78.5	71.7		53.7	3/28	5/3	34	22	4
LSD (5%)			6.0		2.0	2	3	3		
C.V. (%)			3.0		1.3	0.7	0.0	3.2		

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

Soil Series:	Loring silt loam	**Fertilizer Application(s):**	90 lb N/A + 24 lb S/A	February 17, 2017
			60 lb N/A	March 16, 2017
Previous Crop:	Soybeans	**Herbicide Application(s):**	2.1 pt./A Prowl H_2O	October 26, 2017
Planting Date:	October 24, 2016		4.75 oz/A Osprey &	February 13, 2017
			0.75 oz/A Harmony Extra	February 13, 2017
Harvest Date(s):	May 19, 2017	**Fungicide Application(s):**	None	

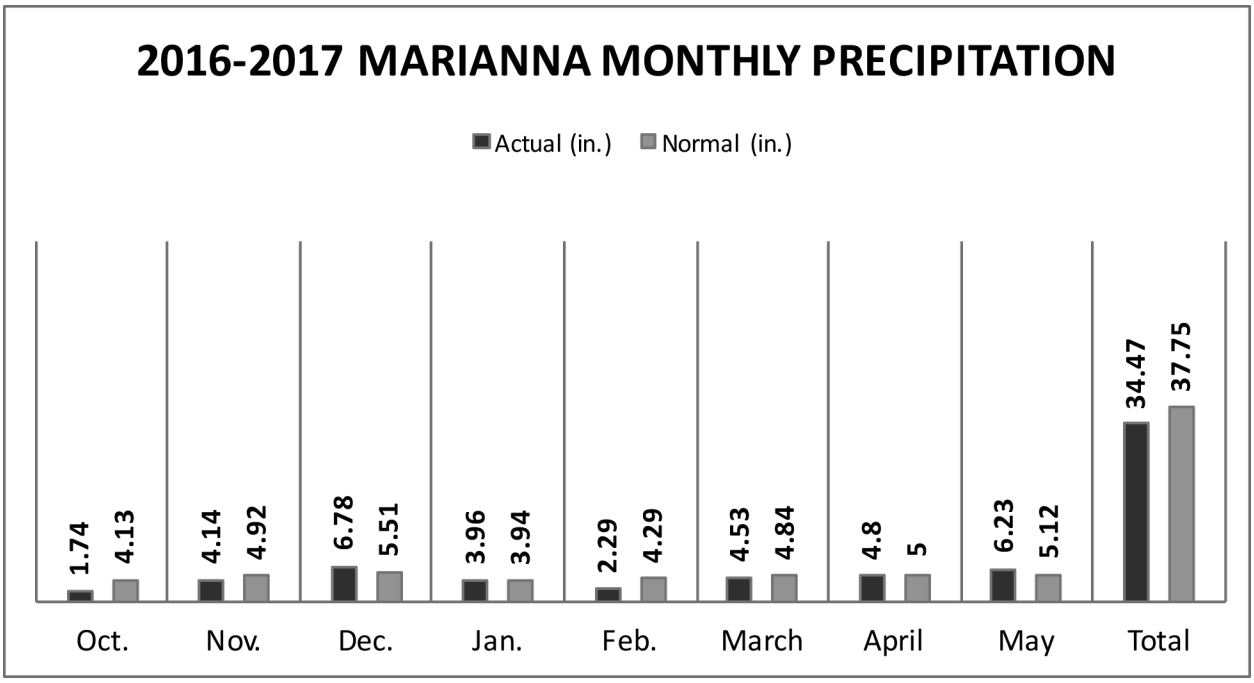


Table 5. Performance of wheat cultivars in standard and fungicide tests, Newport.

	Yield		2017 Data[b]				
Entry name	2-year Average	3-year Average[a]	Yield	Rank	Test Weight	Plant Height	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)	(%)	(%)
Dyna-Gro 9701	85.6		98.5	3	55.2	42	0
AR06473-9-4-4	82.6		93.6	8	55.8	38	0
USG 3536	82.5		95.1	5	54.0	41	0
Pioneer 26R41	82.3	86.0	92.5	11	56.1	36	0
AR06037-17-2	79.6		87.7	27	53.4	34	0
Delta Grow 1000	79.5		84.9	35	53.2	41	0
AGS 2055	78.6	74.6	88.0	25	51.3	40	0
GO Wheat 2058	78.2		93.0	10	54.6	34	15
Armor Mayhem	77.7		85.1	34	54.2	38	2
AgriMAXX 473	77.1		86.1	30	54.4	39	0
Progeny #Bullet	75.2		77.8	62	55.2	40	0
Dixie Brown	74.9		89.1	20	54.6	42	0
Armor Ambush	74.7		94.8	6	52.7	39	7
AGS 2038	74.2	69.0	81.0	53	46.4	43	0
L11550	74.1		83.1	42	51.0	38	0
Dyna-Gro 9171	73.3	76.9	87.8	26	54.8	39	0
Dixie DXEX 16-2	73.3		85.9	31	53.0	37	0
VA12W-72	72.9		92.1	13	56.3	34	0
Pioneer 26R53	72.2	78.1	80.2	56	56.2	37	0
Dyna-Gro 9012	71.1	75.4	81.5	51	55.8	37	0
Pioneer 26R36	70.8		78.2	60	50.4	38	0
Pioneer 26R59	70.4		79.9	57	48.8	33	0
Dixie Bentley	70.2		81.8	49	57.1	43	0
AgriMAXX 446	70.1	73.9	75.3	66	56.2	36	2
Armor Menace	69.5		72.0	80	51.7	36	0
AgriMAXX 415	69.4	73.1	82.4	47	56.0	40	0
AgriMAXX 475	69.2		67.2	87	49.5	36	0
Pioneer 26R10	68.6	73.7	74.1	69	50.7	39	0
AgriMAXX 463	68.6		82.6	45	54.4	38	0
VA Hilliard	68.3		78.5	59	53.8	39	0
Pioneer 26R87	68.2	72.9	82.6	43	57.1	39	15
Dixie Bell 600	68.1		67.8	85	49.1	39	0
Progeny #Turbo	67.9		84.7	37	57.5	36	2
Dixie McAlister	67.0	72.0	73.7	70	54.0	35	0
USG 3404	65.1	74.3	78.0	61	51.5	40	0
AR06050-7-2	65.1		73.3	73	56.0	38	0
Delta Grow 3500	64.9		74.7	67	53.3	38	2
AgriMAXX 444	63.1	72.3	72.9	78	51.3	39	0
Dixie Kelsey II	62.6		73.2	74	51.4	39	0
SY Harrison	62.4	69.5	71.3	81	48.9	38	0

Table 5. Performance of wheat cultivars in standard and fungicide tests, Newport, Continued.

	Yield		2017 Data[b]				
Entry name	2-year Average	3-year Average[a]	Yield	Rank	Test Weight	Plant Height	Stripe Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)	(%)	(%)
Dyna-Gro 9522	62.2		76.1	64	52.1	39	0
Progeny P243	60.9		73.0	77	53.0	41	15
SY Viper	60.4		72.5	79	53.9	39	0
GO Wheat 2059	60.4		73.0	76	54.4	38	0
Progeny #Warrior	60.1		81.6	50	53.0	37	0
Dixie Bell 500	55.3		52.1	95	47.6	39	2
Progeny P357	50.3	54.6	47.7	96	50.3	39	15
Progeny PGX16-1			105.0	1	53.4	39	0
AR051160-14LE31			102.7	2	56.9	41	0
VA12W-68			95.9	4	56.8	39	0
AR06146E-1-4			94.2	7	59.5	40	0
L11610			93.6	9	56.6	40	7
VA11W-108PA			92.3	12	55.4	38	0
Progeny PGX16-4			91.5	14	57.1	38	0
GAJT 141-14E45			90.6	15	56.4	38	0
Pioneer XW15C			90.5	16	49.5	37	0
AgriMAXX 474			90.1	17	52.8	35	0
VA11W-313			90.1	18	55.3	35	0
USG EXP 3569			89.8	19	52.5	38	0
GA051207-14E53			89.1	21	52.7	40	0
L11538			88.5	22	55.4	41	0
GA071012-14E6			88.5	23	55.4	38	2
AR07133C-19-4			88.1	24	54.1	42	2
TX-EL2			86.8	28	53.9	38	0
LA09225C-33			86.1	29	54.9	40	0
GA07353-14E19			85.3	32	52.1	38	0
TN 1604			85.2	33	53.8	40	0
Progeny #BOSS			84.9	36	54.6	39	0
VA11W-279			84.0	38	54.0	36	2
Armor ARW1610			84.0	39	51.4	36	0
LA01110D-150-241			83.2	40	56.0	40	0
L11621			83.1	41	57.0	38	0
USG EXP 3458			82.6	44	52.5	37	0
Armor Lockdown			82.5	46	57.1	41	0
Dyna-Gro WX16722			82.3	48	52.5	39	0
USG EXP 3228			81.1	52	53.9	38	0
USG 3895			80.9	54	48.9	37	0
Dyna-Gro 9750			80.4	55	53.9	38	0
LCS 3204			78.9	58	55.5	42	2

Table 5. Performance of wheat cultivars in standard and fungicide tests, Newport, Continued.

	Yield		2017 Data[b]				
Entry name	2-year Average (bu/A)	3-year Average[a] (bu/A)	Yield (bu/A)	Rank	Test Weight (lbs/bu)	Plant Height (%)	Stripe Rust (%)
AR07084C-10-1			76.4	63	52.5	41	0
Progeny PGX14-5			75.3	65	56.4	40	2
SY 547			74.4	68	51.5	39	2
LA09264C-P5			73.7	71	56.5	37	2
SX1790			73.6	72	53.2	38	2
TN 1501			73.2	75	52.0	37	0
Delta Grow XP75			69.6	82	54.9	40	7
Dixie DXEX 17-1			69.3	83	49.7	36	0
AgriMAXX Exp. 1786			67.9	84	53.1	39	0
USG 3448			67.3	86	50.2	37	0
Dyna-Gro 9223			66.4	88	47.3	21	0
USG 3197			65.9	89	52.7	39	7
AgriMAXX 464			64.3	90	52.6	39	7
Dyna-Gro 9600			63.3	91	49.4	38	15
DEI 16087			59.0	92	52.2	39	93
Progeny PGX16-3			58.8	93	47.5	38	0
Armor ARW1612			52.9	94	48.0	40	30
Mean	69.8	72.7	80.4		53.3	38	3
LSD (5%)			13.3		2.1	7	
C.V. (%)			6.0		1.4	6.3	

[a] 2013-2014, 2015-2016 and 2016-2017 data.

[b] Data combined across standard and fungicide tests.

Table 5. Performance of wheat cultivars in standard and fungicide tests, Newport, Continued.

Soil Series:	Beulah fine sandy loam	**Fertilizer Application(s):**	90 lb N/A + 24 lb S/A 60 lb N/A	February 23, 2017 March 17, 2017
Previous Crop:	Soybeans	**Herbicide Application(s):**	0.5 oz/A Finesse 2.1 pt./A Prowl H_2O 16.4 oz/A Axial XL 4.75 oz/A Osprey 1.5 pt./A 2,4-D amine	October 19, 2016 November 8, 2016 November 8, 2016 March 2, 2017 March 2, 2017
Planting Date:	October 19, 2016			
Harvest Date(s):	May 25, 2017	**Fungicide Application(s):**	4 oz/A Tilt	March 21, 2017

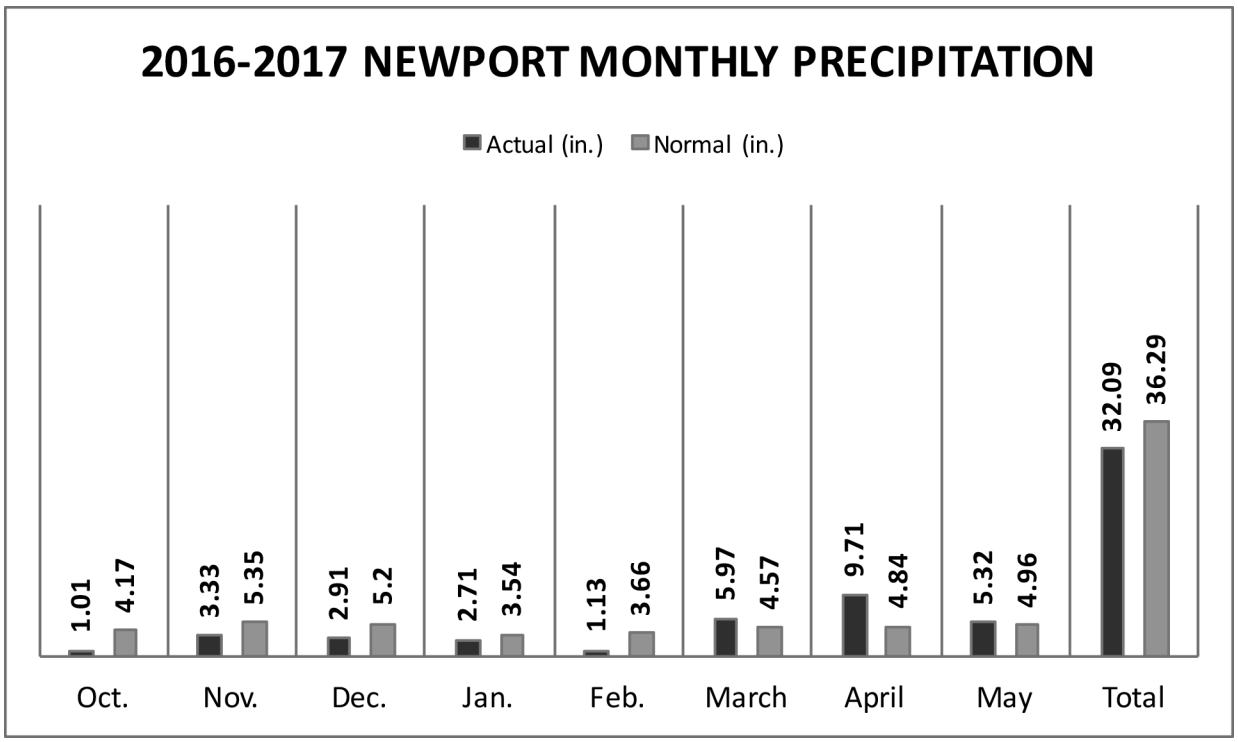


Table 6. Comparison of wheat cultivars in the standard and fungicide tests, Newport.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
Progeny PGX16-1	106.4	103.7	2.8	2.6	53.4	53.5	-0.1
L11610	105.3	81.9	23.5	22.3	57.0	56.1	0.9
AgriMAXX 473	103.6	68.6	35.0	33.8	55.7	53.1	2.6
VA12W-72	101.9	82.3	19.6	19.2	57.3	55.4	1.9
AR051160-14LE31	101.6	103.9	-2.4	-2.3	56.8	57.0	-0.2
AR06146E-1-4	101.3	87.0	14.3	14.1	59.7	59.3	0.5
AgriMAXX 474	100.9	79.4	21.5	21.3	53.4	52.3	1.1
USG 3536	98.7	91.6	7.1	7.1	54.8	53.2	1.7
Dyna-Gro 9701	98.4	98.5	-0.1	-0.1	55.9	54.5	1.5
Progeny PGX16-4	98.2	84.8	13.4	13.6	56.8	57.5	-0.7
TX-EL2	96.0	77.5	18.5	19.3	54.1	53.8	0.4
Armor Ambush	95.1	94.5	0.6	0.6	52.7	52.7	-0.1
Pioneer XW15C	94.2	86.8	7.4	7.9	50.0	49.1	0.9
AR06473-9-4-4	93.9	93.4	0.6	0.6	55.8	55.8	0.0
Dyna-Gro WX16722	93.3	71.3	22.0	23.5	54.0	51.0	3.0
VA12W-68	92.9	98.9	-6.0	-6.5	57.4	56.1	1.3
AR07133C-19-4	92.3	84.0	8.3	9.0	54.8	53.4	1.4
Armor Mayhem	92.2	78.1	14.1	15.2	54.9	53.4	1.5
Delta Grow 1000	91.9	77.9	14.0	15.2	53.5	52.8	0.7
VA11W-279	91.8	76.3	15.5	16.9	54.7	53.3	1.4
GA051207-14E53	91.4	86.8	4.6	5.0	53.2	52.2	1.1
Dixie DXEX 16-2	91.3	80.4	10.9	11.9	53.5	52.5	1.1
GO Wheat 2058	91.1	95.0	-3.9	-4.2	54.6	54.7	0.0
Progeny #BOSS	90.4	79.4	11.1	12.2	54.8	54.4	0.4
Progeny #Bullet	90.4	65.2	25.2	27.9	55.9	54.4	1.5
GA071012-14E6	89.9	87.1	2.8	3.1	56.1	54.8	1.3
LA09225C-33	89.7	82.5	7.2	8.0	55.3	54.6	0.7
L11621	89.7	76.5	13.2	14.7	57.5	56.6	0.9
Pioneer 26R53	89.3	71.1	18.2	20.4	57.6	54.7	2.9
Dixie Brown	89.2	89.0	0.3	0.3	54.3	54.9	-0.6
Dyna-Gro 9012	88.9	74.0	14.9	16.8	56.2	55.5	0.6
USG 3895	88.7	73.1	15.6	17.6	49.7	48.1	1.7
TN 1604	88.4	82.0	6.5	7.3	53.7	54.0	-0.3
Pioneer 26R87	88.3	77.0	11.3	12.7	58.2	56.1	2.1
USG EXP 3569	88.0	91.6	-3.6	-4.0	52.5	52.6	-0.1
Dyna-Gro 9171	87.9	87.8	0.1	0.1	54.7	55.0	-0.4
AgriMAXX 463	87.7	77.5	10.2	11.6	55.0	53.7	1.3
LA01110D-150-241	87.7	78.7	9.0	10.3	55.3	56.7	-1.5

Table 6. Comparison of wheat cultivars in the standard and fungicide tests, Newport, Continued.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
Pioneer 26R10	87.6	60.6	27.0	30.8	52.3	49.2	3.2
Armor Lockdown	87.3	77.8	9.6	10.9	57.6	56.7	0.9
L11538	87.3	89.7	-2.4	-2.7	55.2	55.6	-0.4
SY Viper	87.3	57.8	29.6	33.8	54.9	52.9	2.0
VA11W-108PA	87.2	97.4	-10.2	-11.7	55.6	55.3	0.3
Armor ARW1610	87.0	80.9	6.1	7.0	52.3	50.6	1.7
Pioneer 26R41	86.7	98.3	-11.6	-13.4	56.3	55.9	0.4
AR06037-17-2	86.6	88.7	-2.1	-2.4	53.6	53.3	0.3
AR06050-7-2	86.6	60.1	26.5	30.6	58.7	53.3	5.4
AgriMAXX 415	86.3	78.5	7.8	9.0	56.4	55.6	0.8
Pioneer 26R59	85.6	74.2	11.4	13.3	48.9	48.7	0.2
USG 3404	85.4	70.7	14.7	17.2	51.8	51.2	0.6
GAJT 141-14E45	85.2	96.0	-10.8	-12.6	55.4	57.3	-1.9
VA11W-313	85.0	95.2	-10.2	-11.9	55.0	55.6	-0.6
AGS 2055	84.9	91.2	-6.3	-7.4	50.7	52.0	-1.4
AGS 2038	84.7	77.4	7.4	8.7	45.7	47.2	-1.5
Progeny #Warrior	84.0	79.2	4.8	5.7	53.0	53.0	0.0
Progeny PGX14-5	83.9	66.7	17.2	20.5	57.5	55.4	2.1
USG EXP 3458	83.9	81.3	2.6	3.0	54.1	51.0	3.1
Delta Grow 3500	83.6	65.7	17.9	21.4	53.3	53.3	0.0
Progeny #Turbo	83.6	85.7	-2.1	-2.5	57.0	58.1	-1.1
GA07353-14E19	83.0	87.7	-4.8	-5.7	53.0	51.1	1.9
Dyna-Gro 9750	82.9	77.8	5.1	6.2	54.5	53.4	1.1
L11550	82.7	83.4	-0.7	-0.8	51.1	50.8	0.3
Progeny P243	82.4	63.6	18.8	22.8	54.0	52.0	2.1
Dyna-Gro 9522	82.0	70.2	11.8	14.4	53.0	51.2	1.8
AgriMAXX 446	81.9	68.7	13.2	16.1	56.6	55.9	0.7
Dixie Bentley	81.5	82.2	-0.7	-0.9	56.9	57.4	-0.5
USG EXP 3228	80.3	82.0	-1.8	-2.2	53.7	54.1	-0.5
SY 547	80.0	68.8	11.2	14.0	52.5	50.5	2.0
Dyna-Gro 9223	79.4	53.4	26.1	32.8	47.4	47.3	0.1
Dixie McAlister	79.0	68.5	10.5	13.2	54.5	53.6	0.9
SY Harrison	79.0	63.7	15.3	19.3	49.5	48.3	1.3
LA09264C-P5	78.9	68.6	10.4	13.1	55.9	57.1	-1.3
AgriMAXX 444	78.0	67.8	10.3	13.1	52.0	50.6	1.4
VA Hilliard	78.0	78.9	-0.9	-1.2	54.4	53.2	1.2
AgriMAXX 464	77.7	50.9	26.8	34.5	54.8	50.3	4.5

Table 6. Comparison of wheat cultivars in the standard and fungicide tests, Newport, Continued.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
AgriMAXX 475	77.6	56.9	20.7	26.6	50.9	48.2	2.7
Pioneer 26R36	77.1	79.3	-2.2	-2.9	50.8	50.0	0.8
Dixie DXEX 17-1	77.0	61.6	15.4	19.9	49.5	49.9	-0.4
Armor Menace	76.7	67.3	9.5	12.3	52.5	50.9	1.7
AR07084C-10-1	76.4	76.5	-0.2	-0.2	52.6	52.5	0.0
LCS 3204	75.3	82.6	-7.3	-9.6	55.4	55.7	-0.3
USG 3197	74.8	57.0	17.8	23.8	54.1	51.4	2.8
DEI 16087	74.7	43.4	31.3	41.9	54.1	50.2	3.9
GO Wheat 2059	74.6	71.5	3.1	4.2	54.7	54.1	0.7
TN 1501	74.3	72.1	2.3	3.0	52.2	51.9	0.4
SX1790	73.5	73.7	-0.2	-0.2	53.8	52.6	1.3
Dixie Kelsey II	73.5	72.9	0.5	0.7	51.5	51.4	0.1
USG 3448	72.9	61.8	11.1	15.2	50.5	50.0	0.5
AgriMAXX Exp. 1786	71.8	64.0	7.8	10.9	53.6	52.5	1.1
Dixie Bell 600	70.8	64.9	5.8	8.3	49.3	49.0	0.3
Delta Grow XP75	70.0	69.1	0.9	1.3	55.0	54.7	0.3
Armor ARW1612	68.4	37.5	31.0	45.2	46.8	49.2	-2.5
Progeny PGX16-3	65.7	51.9	13.9	21.1	48.5	46.5	2.1
Dyna-Gro 9600	65.4	61.2	4.2	6.4	49.6	49.2	0.4
Progeny P357	59.6	35.9	23.7	39.8	51.4	49.2	2.2
Dixie Bell 500	59.3	44.9	14.4	24.2	50.2	45.0	5.2
Mean	84.9	75.9	9.1	10.9	53.8	52.9	0.9
LSD (5%)	14.8	20.9			3.2	3.1	
C.V. (%)	6.2	9.8			2.1	2.1	

[a]Two replications treated with a foliar fungicide and two replications untreated.

Table 7. Performance of wheat cultivars in the standard input test, Pine Tree.

	2017 Data	
Entry name	**Yield**	**Rank**
	(bu/A)	
Armor Lockdown	106.1	1
VA Hilliard	101.8	2
AR07133C-19-4	101.5	3
USG 3895	101.2	4
VA12W-72	97.1	5
Progeny #BOSS	96.7	6
AR06037-17-2	95.6	7
AR06146E-1-4	92.9	8
Progeny #Bullet	92.8	9
Pioneer 26R53	92.7	10
Dixie McAlister	92.6	11
Dixie Bentley	92.1	12
Dyna-Gro 9171	90.9	13
SX1790	90.9	14
AgriMAXX 446	90.9	15
Pioneer 26R36	90.8	16
VA11W-108PA	90.1	17
AgriMAXX 473	89.8	18
GO Wheat 2058	89.7	19
AGS 2055	89.7	20
Dixie Kelsey II	89.4	21
USG 3536	88.8	22
Pioneer 26R41	87.8	23
Dyna-Gro 9012	87.8	24
Pioneer 26R87	87.8	25
Dixie Brown	87.7	26
AgriMAXX 475	87.7	27
VA11W-313	87.1	28
TX-EL2	87.1	29
TN 1501	86.2	30
AgriMAXX 415	85.7	31
Armor Mayhem	85.5	32
L11538	84.5	33
LA09225C-33	83.4	34
Pioneer 26R59	83.1	35
GA07353-14E19	82.5	36
AR06473-9-4-4	81.6	37
Armor Menace	81.6	38
L11550	81.2	39

Table 7. Performance of wheat cultivars in the standard input test, Pine Tree, Continued.

	2017 Data	
Entry name	**Yield**	**Rank**
	(bu/A)	
Pioneer 26R10	81.1	40
USG 3448	81.0	41
VA12W-68	81.0	42
AgriMAXX 444	80.4	43
USG 3404	80.1	44
AR07084C-10-1	79.8	45
USG EXP 3569	77.6	46
AR06050-7-2	77.0	47
LCS 3204	76.6	48
Dixie DXEX 16-2	76.3	49
AGS 2038	76.1	50
AgriMAXX Exp. 1786	75.9	51
LA01110D-150-241	75.6	52
Dixie Bell 500	74.9	53
Dyna-Gro 9701	73.7	54
Progeny PGX14-5	73.2	55
Progeny PGX16-3	73.2	56
Armor Ambush	72.7	57
Dixie DXEX 17-1	71.4	58
AgriMAXX 474	71.3	59
SY Harrison	71.1	60
Pioneer XW15C	70.9	61
Delta Grow 1000	70.1	62
LA09264C-P5	69.6	63
Delta Grow 3500	69.5	64
Dixie Bell 600	69.1	65
VA11W-279	69.0	66
Progeny PGX16-1	69.0	67
Dyna-Gro 9223	68.7	68
GA071012-14E6	68.4	69
GO Wheat 2059	67.3	70
Dyna-Gro 9522	66.6	71
SY 547	66.3	72
L11610	64.9	73
Armor ARW1610	64.8	74
Progeny #Warrior	64.2	75
Progeny P243	64.1	76
GA051207-14E53	63.2	77
AgriMAXX 464	61.7	78

Table 7. Performance of wheat cultivars in the standard input test, Pine Tree, Continued.

	2017 Data	
Entry name	**Yield**	**Rank**
	(bu/A)	
SY Viper	61.5	79
Progeny #Turbo	60.8	80
USG 3197	60.8	81
Dyna-Gro WX16722	60.1	82
AR051160-14LE31	59.7	83
Dyna-Gro 9750	59.7	84
AgriMAXX 463	58.8	85
USG EXP 3228	55.6	86
Delta Grow XP75	54.3	87
L11621	53.0	88
TN 1604	52.3	89
GAJT 141-14E45	50.9	90
USG EXP 3458	49.5	91
Dyna-Gro 9600	49.1	92
DEI 16087	45.9	93
Armor ARW1612	43.4	94
Progeny P357	39.1	95
Progeny PGX16-4	37.0	96
Mean	75.7	
LSD (5%)	15.7	
C.V. (%)	7.5	

Table 7. Performance of wheat cultivars in the standard input test, Pine Tree, Continued.

Soil Series:	Calloway silt loam	**Fertilizer Application(s):**	60 lb N/A 60 lb N/A
			February 20, 2017 March 9, 2017
Previous Crop:	Fallow	**Herbicide Application(s):**	2.1 pt./A Prowl H_2O 16.4 oz/A Axial XL 0.75 oz/A Harmony Extra
			November 31, 2016 March 2, 2017 March 2, 2017
Planting Date:	November 21, 2016		
Harvest Date(s):	June 1, 2017	**Fungicide Application(s):**	None

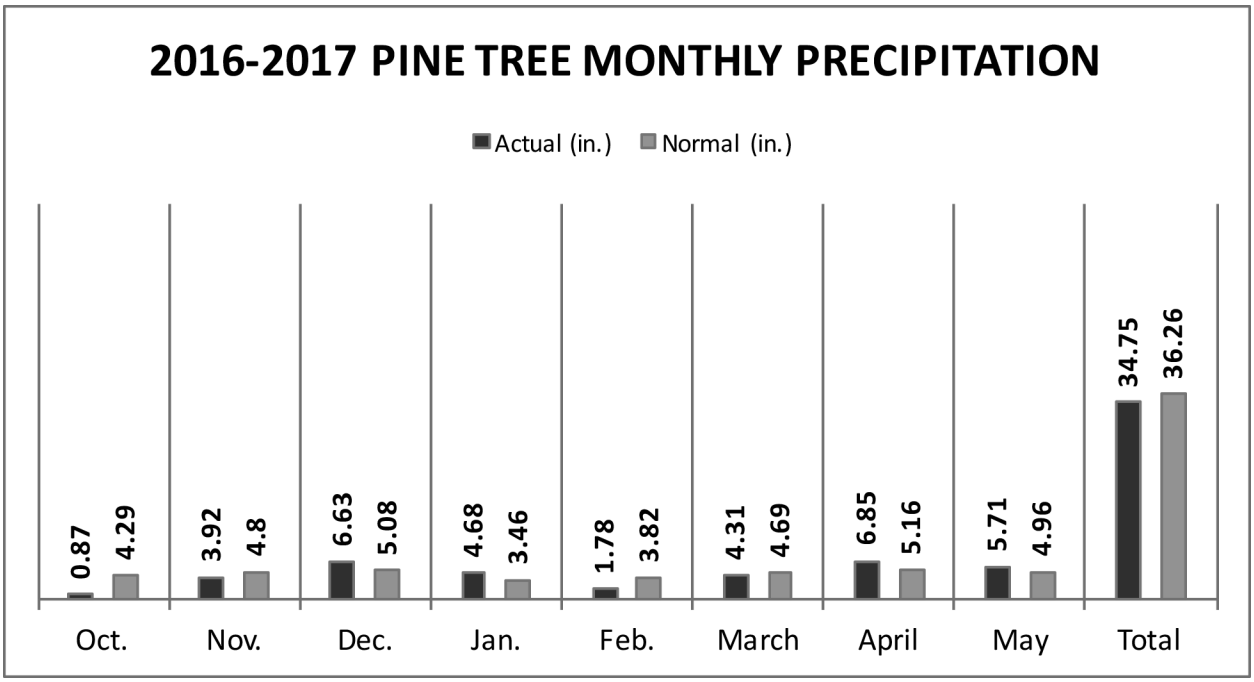


Table 8. Performance of wheat cultivars in standard and fungicide tests, Rohwer.

	Yield		2017 Data[b]						
Entry name	2-year Average	3-year Average[a]	Yield	Rank	Test Weight	Head Date	Plant Height	Lodging at maturity	Leaf Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)		(in.)	(0-9)	(%)
Delta Grow 3500	91.3	81.9	95.9	1	52.7	3/20	36	2	0
L11550	87.7	87.7	83.8	8	52.9	3/28	32	0	1
VA Hilliard	85.5	86.3	81.9	13	53.7	3/22	37	0	0
Dixie Bentley	85.4		82.1	11	53.6	3/22	40	0	2
Pioneer 26R36	85.4	91.3	91.5	2	52.6	3/29	37	0	5
AGS 2055	83.9	86.9	82.1	10	54.0	3/17	39	2	0
AgriMAXX 473	83.3		73.7	39	53.3	3/27	41	1	5
Dyna-Gro 9701	82.5		78.2	21	53.5	3/25	40	0	5
Delta Grow 1000	82.1	84.7	76.8	25	53.4	3/27	40	1	2
VA12W-72	82.0		76.3	29	53.9	3/21	34	3	4
Pioneer 26R41	81.8	83.9	78.9	19	53.5	3/27	32	1	4
USG 3536	80.9		70.9	47	54.0	3/27	40	1	1
Dixie Brown	80.6		72.1	44	53.5	3/24	38	1	5
AGS 2038	80.2	79.2	80.4	16	52.9	3/21	43	2	1
Progeny #Bullet	79.3		67.9	54	53.8	3/29	38	1	2
Armor Menace	77.8		77.9	23	53.2	3/20	36	0	63
Pioneer 26R59	77.2	83.1	81.7	14	53.1	3/27	33	2	8
Progeny #Turbo	76.7		79.1	18	54.3	3/21	35	1	11
Dixie Bell 600	76.6		76.3	28	53.5	3/28	38	0	23
AR06050-7-2	76.4		73.0	42	53.9	3/22	43	2	5
AgriMAXX 475	76.2		72.6	43	54.0	3/28	34	1	40
Armor Mayhem	75.9		65.6	60	54.1	3/28	40	0	9
Dyna-Gro 9171	75.8	81.3	70.8	48	54.7	3/27	33	1	15
USG 3404	75.6	77.6	74.5	37	53.5	3/28	40	2	33
Pioneer 26R87	75.0	72.1	74.4	38	54.2	3/20	37	3	0
Dixie DXEX 16-2	74.2		78.9	20	53.1	3/25	36	0	30
AR06037-17-2	74.1		74.9	34	53.8	3/22	34	3	1
AgriMAXX 415	73.7	78.9	74.5	36	53.7	3/27	37	0	11
Dixie McAlister	72.6	78.8	68.9	52	54.6	3/29	34	0	43
SY Viper	72.5	78.3	72.1	45	52.5	3/18	43	4	50
Dyna-Gro 9012	72.3	78.8	64.6	62	54.2	3/27	36	1	5
Armor Ambush	71.8		56.4	80	54.5	3/25	39	0	8
Pioneer 26R53	71.6	80.9	75.9	30	54.0	3/24	35	3	58
Progeny #Warrior	70.7		64.9	61	54.5	3/24	36	3	50
AgriMAXX 463	70.0		55.0	81	55.9	3/24	34	3	11
SY Harrison	69.4	73.4	70.4	49	53.9	3/25	33	0	45
GO Wheat 2058	68.6	78.1	54.7	83	55.2	3/28	32	0	7
Dixie Kelsey II	68.0	74.9	62.0	66	54.5	3/28	40	4	40

Table 8. Performance of wheat cultivars in standard and fungicide tests, Rohwer, Continued.

	Yield		2017 Data[b]						
Entry name	2-year Average	3-year Average[a]	Yield	Rank	Test Weight	Head Date	Plant Height	Lodging at maturity	Leaf Rust
	(bu/A)	(bu/A)	(bu/A)		(lbs/bu)		(in.)	(0-9)	(%)
GO Wheat 2059	67.8		60.3	71	55.5	3/22	35	0	16
Dixie Bell 500	66.9	75.5	67.0	56	54.7	3/27	35	1	23
AgriMAXX 444	65.4	73.4	61.2	67	54.3	3/27	36	0	11
Dyna-Gro 9522	65.4	74.3	57.3	79	54.9	3/27	38	1	50
AgriMAXX 446	64.0	71.3	58.3	77	55.0	3/29	35	1	50
Progeny P243	62.1	70.5	61.0	68	54.8	3/22	37	1	35
AR06473-9-4-4	61.0		41.5	94	57.4	3/18	40	1	1
Pioneer 26R10	58.3	68.3	54.2	84	55.3	3/27	35	1	60
Progeny P357	47.5	54.3	37.5	95	57.8	3/29	37	1	89
VA11W-108PA			87.1	3	53.0	3/21	39	0	9
AR07133C-19-4			86.6	4	53.7	3/21	38	3	2
Progeny #BOSS			85.5	5	53.8	3/25	36	1	5
SX1790			84.6	6	53.5	3/22	35	1	11
USG 3895			84.1	7	53.2	3/27	33	0	9
TX-EL2			82.8	9	53.2	3/17	39	2	7
AR07084C-10-1			82.1	12	53.5	3/22	37	1	0
Dyna-Gro WX16722			81.6	15	52.9	3/25	33	1	40
USG 3448			79.5	17	53.4	3/25	35	1	30
Dixie DXEX 17-1			78.1	22	52.9	3/27	34	0	7
L11538			77.8	24	53.6	3/24	40	1	60
Armor Lockdown			76.6	26	53.9	3/21	41	4	5
L11621			76.4	27	54.2	3/23	37	2	4
Armor ARW1610			75.6	31	53.4	3/27	35	2	2
USG 3197			75.6	32	53.6	3/22	38	0	1
AR051160-14LE31			75.2	33	54.1	3/21	40	1	1
USG EXP 3458			74.9	35	53.8	3/27	35	1	45
GA07353-14E19			73.2	40	54.4	3/17	39	0	0
VA12W-68			73.1	41	54.1	3/17	40	2	4
Pioneer XW15C			71.4	46	54.0	3/27	38	2	1
Dyna-Gro 9750			70.1	50	54.7	3/23	37	1	7
AgriMAXX 474			69.2	51	53.7	3/25	35	0	78
Dyna-Gro 9600			68.1	53	54.8	3/21	37	1	0
AR06146E-1-4			67.7	55	54.8	3/20	41	1	0
VA11W-279			66.7	57	54.4	3/21	39	1	0
Progeny PGX16-1			66.6	58	54.1	3/20	40	2	4
AgriMAXX 464			65.6	59	54.6	3/22	40	0	19
VA11W-313			64.6	63	55.0	3/17	39	1	1
DEI 16087			63.5	64	55.2	3/24	37	3	30
Progeny PGX16-3			62.9	65	54.5	3/28	40	2	11

Table 8. Performance of wheat cultivars in standard and fungicide tests, Rohwer, Rohwer, Continued.

	Yield		2017 Data[b]						
Entry name	2-year Average	3-year Average[a]	Yield	Rank	Test Weight	Head Date	Plant Height	Lodging at maturity	Leaf Rust
TN 1501			60.9	69	54.6	3/17	36	3	82
TN 1604			60.6	70	55.1	3/28	35	2	0
Progeny PGX16-4			60.1	72	54.9	3/22	39	2	0
USG EXP 3228			59.2	73	55.5	3/22	36	2	11
LA09225C-33			59.2	74	55.2	3/20	40	1	0
SY 547			59.1	75	54.7	3/27	36	0	1
Delta Grow XP75			58.4	76	54.9	3/24	39	1	23
GA051207-14E53			57.5	78	55.0	3/20	39	1	0
GA071012-14E6			54.8	82	56.3	3/17	39	1	23
USG EXP 3569			53.9	85	54.9	3/27	39	1	2
GAJT 141-14E45			53.1	86	55.4	3/18	36	1	0
LCS 3204			52.1	87	55.2	3/23	42	1	60
LA09264C-P5			51.9	88	56.1	3/17	39	2	8
Dyna-Gro 9223			51.9	89	55.8	3/27	40	1	84
Progeny PGX14-5			51.5	90	55.0	3/22	42	2	60
AgriMAXX Exp. 1786			50.8	91	56.4	3/29	40	4	60
Armor ARW1612			48.2	92	54.8	3/29	41	0	20
L11610			46.1	93	56.2	3/22	37	1	4
LA01110D-150-241			37.4	96	58.6	3/18	39	1	8
Mean	74.4	78.0	68.6		54.3	3/23	37	1	18
LSD (5%)			16.8		1.3	2	5	2	25
C.V. (%)			8.9		0.9	0.0	4.5		

[a] 2013-2014, 2015-2016 and 2016-2017 data.

[b] Data combined across standard and fungicide treated tests.

Table 8. Performance of wheat cultivars in standard and fungicide tests, Rohwer, Continued.

Soil Series:	Herbert silt loam	**Fertilizer Application(s):**	46 lb N/A + 24 lb S/A 56 lb N/A + 24 lb S/A	February 6, 2017 March 3, 2017
Previous Crop:	Soybeans	**Herbicide Application(s):**	2 oz/A Zidua	November 26, 2016
Planting Date:	November 25, 2016	**Fungicide Application(s):**	12 oz/A Quilt Xcel	February 17, 2017
Harvest Date(s):	May 31, 2017 June 6, 2017			

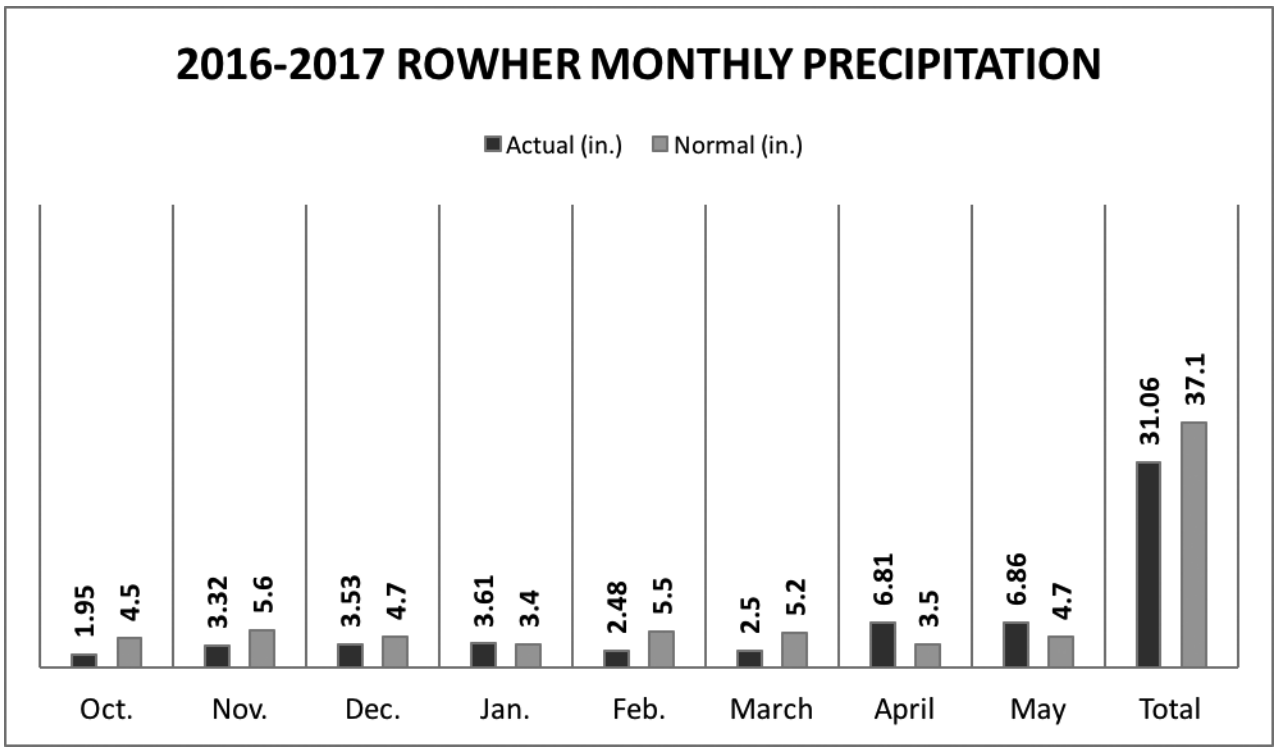


Table 9. Comparison of wheat cultivars in the standard and fungicide tests, Rohwer.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
Pioneer 26R36	96.8	86.3	10.5	10.9	53.3	51.9	1.4
Delta Grow 3500	94.7	97.2	-2.6	-2.7	53.5	51.8	1.7
VA11W-108PA	93.6	80.6	13.0	13.9	54.0	52.0	2.0
L11538	90.9	64.7	26.2	28.8	53.9	53.3	0.6
L11621	90.9	62.0	28.9	31.8	54.2	54.2	-0.1
L11550	90.7	76.9	13.8	15.2	53.7	52.1	1.7
Delta Grow 1000	89.6	64.0	25.6	28.6	54.0	52.8	1.2
Pioneer 26R59	88.4	75.0	13.5	15.2	53.9	52.2	1.7
USG 3197	87.8	63.4	24.4	27.8	54.0	53.1	0.9
Dyna-Gro 9171	87.6	54.0	33.6	38.4	54.3	55.1	-0.8
Dyna-Gro 9701	87.5	68.9	18.6	21.3	54.1	52.9	1.2
Pioneer 26R53	87.0	64.7	22.3	25.6	54.1	53.9	0.2
TX-EL2	87.0	78.6	8.4	9.7	54.0	52.5	1.6
SX1790	86.7	82.5	4.2	4.8	54.4	52.5	1.9
Dyna-Gro 9600	86.1	50.1	36.0	41.8	54.6	55.0	-0.4
Pioneer 26R87	85.7	63.2	22.6	26.3	53.7	54.7	-0.9
Progeny #BOSS	84.9	86.2	-1.4	-1.6	54.5	53.1	1.4
Dixie DXEX 16-2	84.8	73.0	11.8	13.9	54.4	51.9	2.6
AR07133C-19-4	84.7	88.5	-3.8	-4.5	54.6	52.8	1.8
AR07084C-10-1	84.3	79.9	4.3	5.2	54.3	52.7	1.6
AgriMAXX 473	82.8	64.7	18.1	21.8	54.0	52.7	1.4
Pioneer 26R41	82.4	75.4	6.9	8.4	54.1	52.9	1.2
USG 3536	82.2	59.5	22.7	27.6	54.4	53.7	0.7
AR051160-14LE31	82.1	68.2	13.9	16.9	54.4	53.8	0.6
AGS 2038	81.8	79.1	2.8	3.4	53.9	52.0	1.9
Dyna-Gro WX16722	81.6	81.6	0.0	0.0	53.9	52.0	2.0
USG 3895	80.7	87.6	-6.9	-8.6	54.1	52.3	1.9
Armor ARW1610	80.6	70.7	9.9	12.3	54.1	52.7	1.4
USG 3448	80.2	78.8	1.4	1.7	54.1	52.6	1.5
Dixie Brown	80.1	64.0	16.1	20.1	54.1	52.9	1.2
VA Hilliard	80.1	83.7	-3.6	-4.5	54.6	52.9	1.7
SY Harrison	79.2	61.6	17.6	22.2	54.4	53.4	1.1
Dixie Bentley	79.1	85.2	-6.1	-7.7	54.7	52.5	2.2
Pioneer XW15C	77.9	64.9	13.0	16.7	54.7	53.4	1.3
AGS 2055	77.2	87.1	-9.9	-12.9	55.0	53.0	2.0
VA12W-68	77.0	69.2	7.8	10.1	54.8	53.5	1.3
Dixie DXEX 17-1	75.9	80.4	-4.6	-6.0	54.2	51.6	2.6

Table 9. Comparison of wheat cultivars in the standard and fungicide tests, Rohwer, Continued.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
Dyna-Gro 9750	75.8	64.4	11.4	15.0	55.1	54.2	0.9
AgriMAXX 474	75.7	62.6	13.1	17.3	54.4	53.1	1.4
Progeny #Bullet	75.3	60.6	14.8	19.6	53.9	53.7	0.2
AR06050-7-2	75.1	71.0	4.1	5.5	54.5	53.2	1.3
Progeny #Turbo	74.0	84.2	-10.3	-13.9	55.1	53.5	1.6
AgriMAXX 475	73.4	71.8	1.6	2.1	54.9	53.0	1.9
DEI 16087	72.9	54.2	18.7	25.7	55.1	55.3	-0.2
USG EXP 3458	72.5	77.3	-4.8	-6.7	54.8	52.7	2.1
Armor Lockdown	71.5	81.8	-10.4	-14.5	54.7	53.2	1.5
Dixie Bell 500	71.5	62.6	8.9	12.5	55.1	54.3	0.8
AgriMAXX 464	71.3	60.0	11.4	15.9	54.9	54.2	0.7
Dixie Kelsey II	70.5	53.5	17.0	24.1	54.4	54.6	-0.3
GA07353-14E19	70.5	75.8	-5.3	-7.5	55.1	53.8	1.4
Dixie Bell 600	70.2	82.4	-12.2	-17.4	54.6	52.3	2.3
Armor Menace	69.8	86.0	-16.2	-23.2	54.6	51.9	2.7
Progeny P243	69.8	52.3	17.5	25.1	55.5	54.2	1.3
VA12W-72	69.8	82.8	-13.0	-18.6	55.0	52.9	2.2
GA071012-14E6	69.4	40.2	29.2	42.1	55.2	57.3	-2.1
USG 3404	69.4	79.6	-10.2	-14.7	54.5	52.5	2.0
AgriMAXX 415	69.2	79.9	-10.8	-15.5	54.7	52.8	1.9
AR06146E-1-4	69.2	66.3	2.9	4.2	55.0	54.6	0.5
AR06037-17-2	68.9	80.9	-12.1	-17.5	55.1	52.5	2.6
Progeny #Warrior	68.8	61.0	7.8	11.3	54.7	54.3	0.4
Armor Mayhem	68.5	62.7	5.8	8.5	55.0	53.2	1.8
GA051207-14E53	67.5	47.4	20.1	29.8	54.8	55.2	-0.5
AgriMAXX 444	67.2	55.3	11.9	17.7	54.7	53.9	0.8
USG EXP 3228	65.9	52.6	13.3	20.1	55.6	55.4	0.3
Dixie McAlister	65.6	72.3	-6.8	-10.3	55.4	53.9	1.5
Progeny PGX16-3	65.6	60.3	5.3	8.0	54.7	54.3	0.4
TN 1604	64.8	56.5	8.3	12.9	55.3	55.0	0.3
Dyna-Gro 9012	63.9	65.4	-1.5	-2.3	54.8	53.7	1.1
VA11W-279	63.4	70.1	-6.7	-10.6	55.3	53.5	1.8
AgriMAXX Exp. 1786	63.2	38.4	24.8	39.3	55.1	57.7	-2.6
Armor Ambush	63.0	49.8	13.2	21.0	54.8	54.3	0.5
TN 1501	62.8	59.0	3.8	6.1	55.0	54.3	0.7
GAJT 141-14E45	62.2	44.1	18.1	29.0	55.5	55.4	0.1
SY Viper	61.5	82.7	-21.2	-34.5	54.1	51.0	3.2
GO Wheat 2059	59.9	60.8	-0.9	-1.4	56.0	55.0	1.1

Table 9. Comparison of wheat cultivars in the standard and fungicide tests, Rohwer, Continued.

	2017 Data[a]						
Entry name	Yield with Fungicide	Yield Standard	Change with Fungicide	Change with Fungicide	Test Weight with Fungicide	Test Weight Standard	Change with Fungicide
	(bu/A)	(bu/A)	(bu)	(%)	(lbs/bu)	(lbs/bu)	(lbs/bu)
Progeny PGX16-4	59.8	60.5	-0.7	-1.1	56.0	53.8	2.2
Progeny PGX16-1	59.5	73.7	-14.2	-23.9	55.8	52.3	3.5
Dyna-Gro 9223	59.3	44.4	14.9	25.1	55.8	55.9	-0.1
LA09225C-33	59.3	59.1	0.2	0.3	55.9	54.5	1.4
VA11W-313	57.9	71.3	-13.4	-23.2	56.2	53.9	2.3
SY 547	57.6	60.7	-3.1	-5.4	55.9	53.5	2.4
AgriMAXX 446	57.0	59.6	-2.7	-4.7	55.7	54.4	1.4
Progeny PGX14-5	56.6	46.4	10.2	18.0	55.3	54.8	0.5
AgriMAXX 463	56.4	53.7	2.7	4.7	56.5	55.2	1.3
Dyna-Gro 9522	56.3	58.3	-2.0	-3.6	55.5	54.3	1.2
Delta Grow XP75	53.9	62.9	-9.0	-16.7	56.1	53.8	2.3
USG EXP 3569	53.7	54.1	-0.4	-0.7	55.5	54.2	1.3
GO Wheat 2058	52.7	56.8	-4.1	-7.8	56.2	54.3	1.9
LCS 3204	51.9	52.3	-0.4	-0.7	56.2	54.2	2.0
L11610	51.7	40.5	11.2	21.7	56.4	56.0	0.4
LA09264C-P5	51.1	52.7	-1.6	-3.1	56.4	55.8	0.6
Armor ARW1612	50.6	45.9	4.7	9.3	55.3	54.3	1.0
Pioneer 26R10	48.0	60.4	-12.4	-25.8	56.4	54.3	2.1
AR06473-9-4-4	45.8	37.3	8.6	18.7	57.1	57.8	-0.7
Progeny P357	44.6	30.5	14.1	31.6	57.2	58.5	-1.3
LA01110D-150-241	28.8	46.0	-17.2	-59.7	60.0	57.2	2.8
Mean	71.3	65.8	5.6	6.6	54.9	53.7	1.2
LSD (5%)	25.7	21.5			1.5	2.0	
C.V. (%)	12.9	11.7			1.0	1.3	

[a]Two replications treated with a foliar fungicide and two replications untreated.

Table 10. Disease performance in inoculated nurseries, Newport and Fayetteville.[a]

Entry name	*Fusarium* Head Blight Severity Newport (0-100)	*Fusarium* Damaged Kernels Newport (0-100)	Stripe Rust Severity Fayetteville (0-100)
AgriMAXX 415	3	15	0
AgriMAXX 444	5	15	0
AgriMAXX 446	3	18	1
AgriMAXX 463	0	8	1
AgriMAXX 464	3	53	60
AgriMAXX 473	0	23	0
AgriMAXX 474	5	40	0
AgriMAXX 475	5	23	0
AgriMAXX Exp. 1786	0	15	0
AGS 2038	25	60	5
AGS 2055	25	73	2
AR051160-14LE31	15	45	1
AR06037-17-2	10	10	0
AR06050-7-2	20	18	7
AR06146E-1-4	13	43	0
AR06473-9-4-4	5	12	0
AR07084C-10-1	3	12	0
AR07133C-19-4	5	12	1
Armor Ambush	3	16	1
Armor Menace	0	5	1
Armor ARW1610	0	7	78
Armor ARW1612	10	48	5
Armor Lockdown	13	43	0
Armor Mayhem	3	10	0
DEI 16087	5	5	70
Delta Grow 1000	0	5	0
Delta Grow 3500	20	28	19
Delta Grow XP75	8	20	60
Dixie Bell 500	5	35	2
Dixie Bell 600	5	28	0
Dixie Bentley	30	23	2
Dixie Brown	0	5	0
Dixie DXEX 16-2	18	35	4
Dixie DXEX 17-1	3	48	1
Dixie Kelsey II	5	40	0
Dixie McAlister	5	43	0
Dyna-Gro 9012	3	35	0

Table 10. Disease performance in inoculated nurseries, Newport and Fayetteville, Continued.[a]

Entry name	*Fusarium* Head Blight Severity Newport (0-100)	*Fusarium* Damaged Kernels Newport (0-100)	Stripe Rust Severity Fayetteville (0-100)
Dyna-Gro 9171	3	58	0
Dyna-Gro 9223	13	38	0
Dyna-Gro 9522	10	30	1
Dyna-Gro 9600	10	30	50
Dyna-Gro 9701	0	45	1
Dyna-Gro 9750	3	28	5
Dyna-Gro WX16722	15	40	4
GA051207-14E53	8	48	5
GA071012-14E6	30	58	5
GA07353-14E19	33	53	1
GAJT 141-14E45	13	35	0
GO Wheat 2058	5	4	5
GO Wheat 2059	0	2	1
L11538	10	30	1
L11550	10	28	0
L11610	8	4	7
L11621	8	8	0
LA01110D-150-241	8	23	15
LA09225C-33	23	35	5
LA09264C-P5	15	30	1
LCS 3204	18	38	1
Pioneer 26R10	5	58	60
Pioneer 26R36	8	40	5
Pioneer 26R41	5	35	0
Pioneer 26R53	0	2	9
Pioneer 26R59	0	10	1
Pioneer 26R87	23	7	5
Pioneer XW15C	33	63	0
Progeny #BOSS	48	78	7
Progeny #Bullet	8	38	0
Progeny #Turbo	38	43	1
Progeny #Warrior	10	25	0
Progeny P243	10	30	0
Progeny P357	13	38	0
Progeny PGX14-5	10	33	0
Progeny PGX16-1	10	43	0
Progeny PGX16-3	13	25	7

Table 10. Disease performance in inoculated nurseries, Newport and Fayetteville, Continued.[a]

Entry name	*Fusarium* Head Blight Severity Newport	*Fusarium* Damaged Kernels Newport	Stripe Rust Severity Fayetteville
	(0-100)	(0-100)	(0-100)
Progeny PGX16-4	3	2	1
SX1790	10	38	5
SY 547	3	20	23
SY Harrison	8	43	2
SY Viper	10	13	0
TN 1501	20	78	0
TN 1604	13	20	2
TX-EL2	15	20	0
USG 3197	10	68	33
USG 3404	5	20	0
USG 3448	5	25	0
USG 3536	3	5	0
USG 3895	25	55	0
USG EXP 3228	5	10	1
USG EXP 3458	15	40	0
USG EXP 3569	5	9	0
VA Hilliard	10	33	0
VA11W-108PA	10	25	0
VA11W-279	10	20	2
VA11W-313	20	23	5
VA12W-68	8	18	0
VA12W-72	5	30	0
Mean	10	29	6.1
LSD (5%)	13	22	11
C.V. (%)	47	28	62

[a] Stripe rust and *Fusarium* head blight (FHB) inoculated nurseries in Newport and Fayetteville, respectively. Vomitoxin (DON) data will be available at a later date.

PARTICIPANTS AND ENTRIES
2016-2017 WHEAT VARIETY TEST

Company	**Variety**
AgriMaxx Wheat Company 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX 415 AgriMAXX 444 AgriMAXX 446 AgriMAXX 463 AgriMAXX 464 AgriMAXX 473 AgriMAXX 474 AgriMAXX 475 AgriMAXX Exp. 1786
AG South Genetics P.O. Box 72246 Albany, GA 31708-2246	AGS 2038 AGS 2055
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor Menace Armor Ambush Armor ARW1610 Armor ARW1612 Armor Lockdown Armor Mayhem
B & S Seed Company, Inc. 1283 HWY. 444 Duncan, MS 38740	Dixie Bell 500 Dixie Bell 600
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Dixie Bentley Dixie Brown Dixie Kelsey II Dixie McAlister Dixie DXEX 16-2 Dixie DXEX 17-1
Delta Grow Seed 220 NW 2nd Street England, AR 72046	Delta Grow 1000 Delta Grow 3500 Delta Grow XP75

PARTICIPANTS AND ENTRIES, Continued.
2016-2017 WHEAT VARIETY TEST

Company	Variety
Direct Enterprises Inc. 16545 Southpark Drive, PO Box 978 Westfield, Indiana 46074	DEI 16087
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 9600 Dyna-Gro 9701 Dyna-Gro 9750 Dyna-Gro WX16722
Stratton Seed 1530 HWY. 79 S Stuttgart, AR 72160	GO Wheat 2058 GO Wheat 2059
Limagrain Cereal Seeds 4846 E 450N Lafayette, IN 47905	L11538 L11550 L11610 L11621 LCS 3204
Pioneer Hi-Bred Int'l, Inc. 700 Boulevard South Ste. 302 Huntsville, AL 35802	Pioneer 26R10 Pioneer 26R36 Pioneer 26R41 Pioneer 26R53 Pioneer 26R59 Pioneer 26R87 Pioneer XW15C

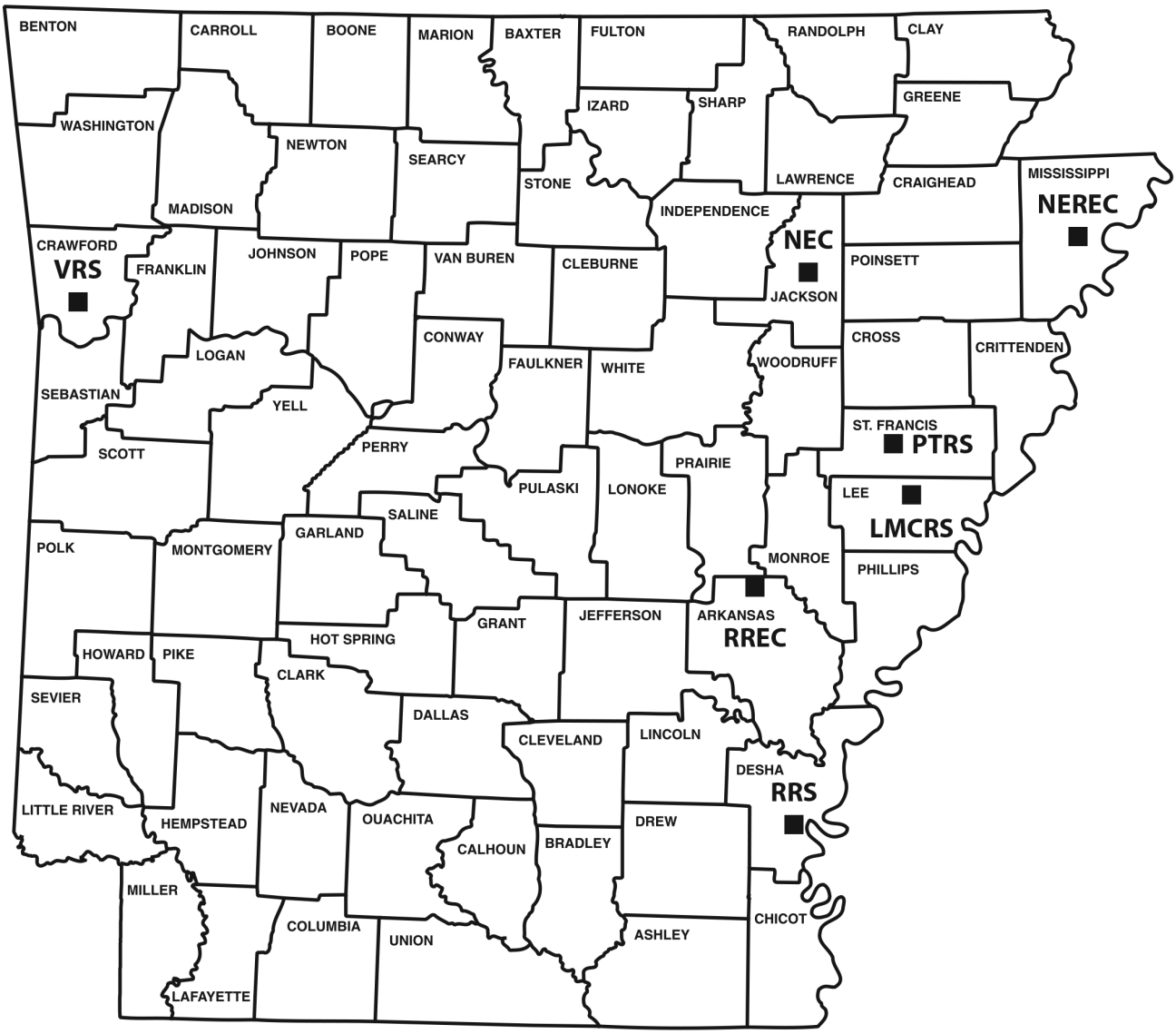
PARTICIPANTS AND ENTRIES, Continued.
2016-2017 WHEAT VARIETY TEST

Company	Variety
Progeny Ag Products 1529 Hwy 192 South Wynne, AR 72396	#BOSS P243 P357 PGX14-5 #Bullet #Turbo #Warrior PGX16-1 PGX16-3 PGX16-4
Syngenta Seed 778 CR 680 Bay, AR 72411	SY HARRISON SY VIPER SY 547 SX1790
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 3197 USG 3404 USG 3448 USG 3536 USG 3895 USG EXP 3228 USG EXP 3458 USG EXP 3569

PARTICIPANTS AND ENTRIES, Continued.
2016-2017 WHEAT VARIETY TEST

Public Institutions	Variety
Louisiana State University Agronomy Department 221 M.B. Sturgis Hall Baton Rouge, LA 70803-2110	LA01110D-150-241 LA09225C-33 LA09264C-P5
Texas A&M University 750 Agronomy Rd. STE 2701 College Station, TX 77843-0001	TX-EL2
University of Arkansas 115 Plant Sciences Building Fayetteville, AR 72701	AR051160-14LE31 AR06037-17-2 AR06050-7-2 AR06146E-1-4 AR06473-9-4-4 AR07084C-10-1 AR07133C-19-4
University of Georgia 1109 Experiment St. Griffin, GA 30223	GA051207-14E53 GA071012-14E6 GA07353-14E19 GAJT141-14E45
University of Tennessee 2431 Joe Johnson Drive Knoxville, TN 37996	TN 1501 TN 1604
VA Tech EVAREC 2229 Menokin Road Warsaw, VA 22572	Hilliard VA11W-108PA VA11W-279 VA11W-313 VA12W-68 VA12W-72

Wheat Test Locations



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

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