

# 2018 Kentucky Small Grain

## VARIETY PERFORMANCE TEST

*B. Bruening, M. Piersawl, S. Swanson, J. Connelley, G. Olson, and D. Van Sanford, Plant and Soil Sciences*

[www.uky.edu/ag/WheatVarietyTest](http://www.uky.edu/ag/WheatVarietyTest)

The 2018 soft red winter wheat growing season ended with Kentucky farmers harvesting approximately 350,000 acres of the 460,000 acres planted, for a total production of 28 million bushels of grain. An average yield of 80 bushels per acre was estimated by NASS (Table 1), but that figure may be reduced due to the shorter seed filling period associated with persistent high temperatures in May. The acreage not harvested for grain was primarily used for forage production and cover cropping.

Small grain performance tests were conducted in six of the seven agroclimatic regions of Kentucky (Table 2). Agricultural areas within each region are considered to have similar soil types and climatic conditions. Each region having a substantial acreage of a small grain commodity had at least one trial conducted in that region for that commodity.

The objective of the Kentucky small grain variety performance test is to evaluate varieties of wheat, oat, barley, triticale, and cereal rye that are commercially available or may soon be available to Kentucky farmers. New varieties continually are being developed by agricultural experiment stations and commercial firms. Annual evaluation of small grain varieties and selections provides farmers, seed producers, and other agricultural workers with current information to help them select the varieties best adapted to their locality and individual requirements.

Because weather, soil, and other environmental factors may alter varietal performance from one location to another, seven wheat tests were conducted at seven locations throughout the state (Table 2). In addition, wheat tests for varietal differences in forage yield and straw yield were conducted at one location.

### Experimental Methods

A total of 86 wheat entries were evaluated under either conventional or no-till cultural practices. No-till tests were grown at one location, and conventional tests were grown at six locations. The experimental design was a randomized complete block. The tests had four replications per entry, and the data presented are the average response from the four replications.

The plots were planted with specially built multi-row conventional and no-till cone seeders. Conventional test plots consisted of six rows to form a plot 4 feet wide and 15 feet long, which

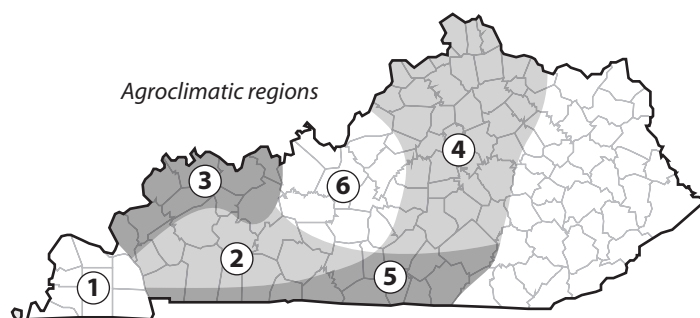
was later trimmed to 12 feet in length. No-till plots consisted of seven rows to form a plot 5 feet wide and 25 feet long, which was later trimmed to 20 feet in length. Plots were harvested with a small-plot combine. The preceding crop for all tests was corn.

Tests were conducted using intensive management practices. Typical herbicide applications included a spring application for broadleaf control and a fall preplanting burn-down (no-till tests only) application. Fungicides were applied in the spring on all

**Table 1. Wheat Acreage Harvested and Yields (bu/ac) in Kentucky, 2016-18.\***

2018		2017		2016	
Harvested	Yield	Harvested	Yield	Harvested	Yield
350,000	80	310,000	77	400,000	80

\*June 12, 2018, National Agricultural Statistics Service.



**Table 2. Agroclimatic Regions of Kentucky Small Grain Variety Tests.**

Region	Location	Cooperator	Crop Tested	
1	Purchase	Calloway Co.	Mike Burchett	Wheat*
2	Western Coal Field	Caldwell Co.	Princeton Research and Education Ctr.	No-till wheat, barley
3	Ohio Valley	Crittenden Co.	Cody & Van Hunt	Wheat*
4	Bluegrass	Fayette Co.	Kentucky Ag. Exp. Station	Wheat*, triticale, oat, cereal rye
5	Southern Tier	Logan Co.	Don Halcomb	Wheat*
		Todd Co.	Tim, Wade and Maurice Chester	Wheat*
6	North Central	Woodford Co.	UK Woodford Farm Shannon Rudd	Wheat*

\* Conventional tillage.

but two (disease rating) tests. An insecticide for aphid control was typically applied in the fall and spring. Nitrogen was applied in a February/March split application at a rate of approximately 30/60 pounds per acre (conventional tests) or 40/70 pounds per acre (no-till).

The forage test was planted using conventional tillage and was harvested using a small plot forage combine at the soft dough stage. Straw yield was measured using a small plot forage combine following grain harvest in the Bluegrass region test.

## Characteristics Evaluated

Grain yields were calculated from the weight of grain from each plot and reported in bushels per acre (bu/ac) based on 60-pound, 56-pound, 48-pound, and 32-pound standard bushel weights for wheat, cereal rye, barley, and oats, respectively, at 13.5 percent moisture content. Test weights (lb/bu) were determined using a HarvestMaster Classic GrainGage and adjusted to 13.5 percent moisture. Lodging was reported as the percentage of plant lodging at maturity; winter survival was reported as the percentage of survival after spring green-up. Winter survival was 100 percent for all wheat, barley, triticale, and cereal rye tests. Plant height was measured in inches from the soil surface to the top of the grain head. Heading dates were reported as the day an estimated 50 percent of the heads had extended above the flag leaf collar. Disease ratings: glume blotch, head scab and Septoria leaf blotch were recorded at the Logan County (non-fungicide) test. Forage and straw yields are expressed as dry matter in tons per acre.

## Results and Interpretation

Since genetic expression of a variety is greatly influenced by environmental conditions, it is best to have several years' data at multiple locations from which to draw conclusions. Performance of a variety tested for only one year should not be compared with a multi-year average of another variety because it is possible that results in one of the other years were extremely good or poor and thus not comparable.

The yield of a variety is relative and should be compared with the yields of the other varieties in the same experiment and at the same location or within the same analysis across locations. Small differences in yield of only a few bushels per acre between two varieties from an individual test should not be interpreted to indicate the superiority of one variety over another. However, if one variety consistently out yields another over a period of several years, the chances are that the differences are real. LSD (least significant difference) values are listed at the bottom of table columns to indicate whether differences are statistically significant.

Lodging data are difficult to interpret. A high-yielding variety should not necessarily be downgraded because of a high percent-

age of lodging for a given year at a given location. Local weather conditions, such as wind and rain, may cause a variety to lodge much more than it normally does. Variety trials normally have a greater degree of lodging than do farmer fields. It also should be emphasized that a variety reported to be 50 percent lodged does not imply that only 50 percent of the grain could be harvested. With good equipment, most of the grain can often be saved.

Kentucky's climate and soils are well-suited for the production of high-quality soft red winter wheat. No single variety has all the desirable characteristics, but each has certain advantages. Yield potential, straw strength and yield, height, heading date, grain quality, disease resistance, and forage potential are important in choosing a variety.

Winter barley is less winter-hardy than winter wheat but more hardy than winter oats. The degree of winter-hardiness, straw strength, and maturity are important characteristics when choosing a variety. Barley (hulless and hulled) variety performance data are presented in tables 14 and 15. Cereal rye, triticale, and oat variety performance data are presented in tables 16, 17, and 18, respectively.

## Test Conditions

Average temperatures and precipitation during October favored timely planting throughout many areas of the state. The 2018 Kentucky small grain variety tests were planted from October 6 to October 20. Prolonged cold temperatures from November into April delayed and limited plant growth and development. High temperatures throughout May accelerated reproductive growth and likely reduced the seed filling period. High Temperatures during June favored rapid dry-down and timely harvest. Heavy rains in mid-June slowed harvest in some area of the state.

## Acknowledgments

Thanks to the following individuals for their support and assistance with this project: Kentucky Small Grain Growers Association, Don, Sam & John Halcomb, Brian Rouse, Wade, Tim & Maurice Chester, Mike Burchett, Cody and Van Hunt, Brandon Roberts, Deanna Heimgartner, Scott Peek, Shannon Rudd, Matt Peak, Cam Kenimer, Claire Venard, Curt Judy, Dennis Egli, Bobby Orange, Michael Carter, Shawn Wood, Jackie Harper, John Stanhope and the UK Wheat Science Group.

## Contact

Bill Bruening  
425 Plant Science Building  
University of Kentucky  
Lexington, KY 40546-0312  
(859) 218-0802  
[bruening@uky.edu](mailto:bruening@uky.edu)

## Wheat Varieties Tested in 2018

### AgriMAXX Wheat Co.

7167 Highbanks Rd.  
Mascoutak, IL 62258

AgriMAXX 438  
AgriMAXX 446  
AgriMAXX 454  
AgriMAXX 463  
AgriMAXX 473  
AgriMAXX 480  
AgriMAXX 485  
AgriMAXX 486  
AgriMAXX EXP 1884  
AgriMAXX EXP 1892

### Armor Seed

PO Box 9  
Waldenburg, AR 72475

ARMOR ARW 1716  
ARMOR ARW 1718  
ARMOR ARW 1719  
ARMOR ARW 1726  
ARMOR ARW 1727  
ARMOR ARW 1729  
ARMOR ARW 1766  
ARMOR ARW 1778  
ARMOR MAYHEM  
ARMOR RAGE

### Beck's Hybrids

6767 E. 276th  
Atlanta, IN 46031

BECK 721  
BECK 726

### Dupont Pioneer

59 Greif Parkway,  
Ste. 200  
Delaware, OH 43015

Pioneer variety 26R10  
Pioneer variety 26R36  
Pioneer variety 26R41  
Pioneer variety 26R45  
Pioneer variety 26R59

### Dyna-Gro Seed

2760 Keller Rd.  
Owensboro, KY 43201

Dyna-Gro 9522  
Dyna-Gro 9701  
Dyna-Gro 9811  
Dyna-Gro 9862  
Dyna-Gro WX 17775  
Dyna-Gro WX 18724

### Kentucky American Seeds, Inc.

205 Means Ave.  
Hopkinsville, KY 42240

KAS 18X6  
KAS 18X7  
KAS Lincoln  
KAS Roosevelt

### Kentucky Foundation Seed Project

University of Kentucky  
PO Box 11950  
Lexington, KY 40579

KY05C-1105-43-6-1D  
KY06C-1178-16-10-3  
KY06C-1178-16-17-3C  
KY06C-1178-16-17-3F  
KY07C-1145-94-12-5  
KY09C-1245-99-12-3  
KY09C-1245-99-15-1  
KY09C-1245-99-8-5  
X08C-1074-48-7-5  
X08C-1077-11-18-3

### Kentucky Small Grain Growers Association

PO Box 90  
Eastwood, KY 40018

PEMBROKE 2008  
PEMBROKE 2014  
PEMBROKE 2016

### Limagrain Cereal Seeds

257 E. Hail  
Bushnell, IL 61422

LCS L11551  
LCS L11719  
LCS Ammo

## List of Tables

Table 3.	Wheat Test - Overall State Summary
Table 4.	Wheat Forage Test
Table 5.	Wheat Straw Test
Table 6.	Wheat Test - Purchase Region
Table 7.	Wheat Test - Western Coal Field Region
Table 8.	Wheat Test - Ohio Valley Region
Table 9.	Wheat Test - Bluegrass Region
Table 10.	Wheat Test - Southern Tier Region A
Table 11.	Wheat Test - Southern Tier Region B
Table 12.	Wheat Test - North Central Region
Table 13.	Wheat Disease Ratings
Table 14.	Hulless Barley Variety Test
Table 15.	Barley Variety Test
Table 16.	Cereal Rye Variety Test
Table 17.	Triticale Variety Test
Table 18.	Oat Variety Test

### Prible Ag Products

1920 W 700 S  
Poneto, IN 46781

PA 218 SR  
PA 258 SR

### Progeny AG Products

1529 Hwy 193  
Wynne, AR 72396

PROGENY #BOSS  
PROGENY #BULLET  
PROGENY #WARRIOR  
PROGENY #BLAZE  
PROGENY PGX 16-7  
PROGENY PGX 17-16  
PROGENY PGX 17-20

### Seed Consultants, Inc.

648 Miami Trace Rd. SW  
Washington Court House,  
OH 43160

SC 13S26™  
SC 13S37™  
SC EX308  
SC EX328

### Stratton Seed

PO Box 1088  
Stuttgart, AR 72160

AGS 2055  
Go Wheat 2058  
Go Wheat 2059

### Syngenta Seeds

14031 Trestle Rd.  
Highland, IL 62249

SYNGENTA SY 100  
SYNGENTA SY 547  
SYNGENTA SY MISKIN  
SYNGENTA SY VIPER

### University of Missouri

Columbia, MO 65211

Bess  
Truman

### UniSouth Genetics

3205-C Hwy. 46S  
Dickson, TN 37055

USG 3118  
USG 3316  
USG 3329  
USG 3404  
USG 3429

### Virginia Tech

PO Box 338  
Warsaw, VA 22572

VA 12W-31  
VA 12W-68

### Winfield

15 Ringel Ave.  
Wabash, IN 46992

CROPLAN SRW 9415  
CROPLAN SRW 9606  
CROPLAN SS 8550

**Table 3. 2018 Kentucky Wheat Test - Overall State Summary.\***

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2016-18	2018	2018	2018	2018
ARMOR ARW1766	78.9			57.6	1	32	35
USG 3316	77.7	84.2		57.8	3	32	37
AgriMAXX 454	77.4	86.0	86.0	58.5	1	32	37
SC 13S37TM	76.7	85.3		58.8	5	32	37
ARMOR RAGE	76.5	85.2		58.4	2	32	37
Beck 726	75.9			56.4	3	31	36
SC 13S26TM	75.5	83.8	82.8	58.0	5	32	37
AgriMAXX 486	75.3	83.0		58.8	3	33	37
PA 258 SR	75.0			58.8	5	32	38
AgriMAXX Exp 1884	75.0			55.9	2	31	36
Pioneer variety 26R59	74.5	84.9	86.4	58.2	0	29	36
AgriMAXX 485	74.5	83.5		58.4	0	32	38
SC EX308	74.4			56.5	14	34	36
Pioneer variety 26R10	74.4	84.9	87.1	57.0	0	32	37
SYNGENTA SY 547	74.4	77.7	80.5	58.0	5	34	36
SYNGENTA SY VIPER	74.3	79.2	81.9	59.3	10	35	36
PROGENY PGX 17-16	74.0			59.4	4	33	37
CROPLAN SRW 9415	73.9	84.5	86.3	58.7	2	32	37
PROGENY #BLAZE	73.9	84.5		56.7	13	33	36
Dyna-Gro 9862	73.8	82.9		58.4	0	32	38
Dyna-Gro 9701	73.7	81.5		56.8	4	34	37
KAS Lincoln	73.7			58.9	1	31	37
SC EX328	73.6			56.2	6	31	36
Pioneer variety 26R36	73.5	82.8	85.5	58.9	2	33	37
AgriMAXX 438	73.5	82.3	86.0	57.2	9	33	37
ARMOR ARW1726	73.5			59.1	6	33	37
AgriMAXX 446	73.3	83.0	86.0	58.1	2	31	37
USG 3404	73.0	82.8	86.5	57.2	5	32	37
Dyna-Gro WX18724	72.8			58.3	2	32	37
USG 3329	72.7			56.4	7	33	36
Dyna-Gro WX17775	72.7			55.7	9	31	36
KAS Roosevelt	72.7			56.7	10	33	36
PA 218 SR	72.6			56.2	8	33	36
ARMOR ARW1727	72.5			58.0	6	32	37
PROGENY PGX 17-20	72.3			58.6	4	32	37
KAS 18X6	72.2			58.9	3	33	37
PROGENY #BULLET	72.2	81.6	84.4	56.8	8	34	37
Dyna-Gro 9522	71.7	82.4	85.3	57.4	0	32	37
CROPLAN SRW 8550	71.7	81.5		57.4	6	34	37
ARMOR ARW1719	71.5			55.5	4	31	36
ARMOR ARW1729	71.5			56.7	0	31	38
KY07C-1145-94-12-5	71.5	77.7		58.3	4	32	35
CROPLAN SRW 9606	71.4	81.0		55.8	3	32	35
ARMOR MAYHEM	71.2	81.7		56.9	3	34	37
EXPZ152	71.0			58.2	8	30	36

**Table 3 (continued)**

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2016-18	2018	2018	2018	2018
AgriMAXX 473	70.9	80.6		56.7	4	33	37
PROGENY #WARRIOR	70.9	81.5	84.5	56.6	0	31	36
ARMOR ARW1718	70.6			56.0	9	33	37
X08C-1074-48-7-5	70.6			57.4	2	33	37
PROGENY #BOSS	70.5	79.9		55.3	3	31	36
Beck 721	70.4			57.0	3	34	37
AgriMAXX 463	70.1	79.6	84.5	55.7	4	30	36
LCS L11719	70.1			57.8	8	30	37
USG 3429	70.0			57.9	5	30	37
Pioneer variety 26R41	69.8	80.3	84.3	57.6	3	30	37
Pioneer variety 26R45	69.6	81.0		55.8	10	32	37
KY06C-1178-16-10-3	69.4	79.8	80.4	58.2	5	33	36
KAS 18X7	69.4			58.6	5	33	37
Go Wheat 2058	69.4	81.2		58.3	0	28	36
SYNGENTA SY 100	69.3	80.5		54.7	8	31	37
KY09C-1245-99-12-3	69.2			57.0	4	31	35
Go Wheat 2059	69.2	79.1		55.5	4	30	36
EXPZ192	69.0			58.3	2	32	37
PEMBROKE 2016	68.9	76.3	79.1	58.0	5	31	36
KY09C-1245-99-15-1	68.8			58.7	2	31	36
KY09C-1245-99-8-5	68.8			57.6	1	32	36
AGS 2055	68.0	76.0		55.9	0	33	37
LCS Ammo	67.7			57.5	4	30	37
PEMBROKE 2014	67.5	74.1	75.6	58.5	9	30	35
LCS L11551	67.4			58.8	2	30	36
X08C-1077-11-18-3	67.4	75.2		58.4	0	31	37
ARMOR ARW1716	66.5			59.2	5	29	36
Dyna-Gro 9811	65.8			57.3	4	33	36
KY05C-1105-43-6-1D	65.6			59.5	5	32	36
AgriMAXX Exp 1892	65.5			59.0	4	30	36
PEMBROKE 2008	64.8	72.3	73.5	58.0	3	30	35
VA12W-31	64.5	74.9		59.0	2	29	36
KY06C-1178-16-17-3C	64.3			58.2	0	30	36
SYNGENTA SY MISKIN	64.1			57.9	11	32	35
KY06C-1178-16-17-3F	63.8			57.0	0	31	36
Bess	63.3			58.8	10	34	37
Truman	63.3	69.2	71.4	58.9	6	38	42
PROGENY PGX 16-7	63.3			57.7	3	30	35
VA12W-68	62.8	71.6		58.6	3	31	35
USG 3118	59.6			56.9	6	29	35
Clark	58.5	60.0		57.2	6	35	35
AgriMAXX 480	55.2			58.4	3	32	32
<b>AVERAGE</b>	<b>70.4</b>	<b>80.0</b>	<b>82.8</b>	<b>57.6</b>	<b>4</b>	<b>32</b>	<b>36</b>
C.V.	9.2	9.0	8.6				
LSD (0.10)	4.0	8.0	6.4				

\* Summary of seven tests - (Caldwell, Woodford, Logan, Crittenden, Todd, Calloway, Fayette Co.).

**Table 4. 2018 Kentucky Wheat Forage Test.**

VARIETY	DM Yield* at Soft Dough Stage Tons/acre			Head Type
	2018	2017-18	2016-18	
SYNGENTA SY VIPER	4.20	4.20	3.82	Smooth
KAS 18X6	3.91			Bearded
Pioneer variety 26R59	3.80	4.05	3.73	Smooth
ARMOR ARW1766	3.79			Bearded
VA12W-68	3.76	4.04		Bearded
LCS Ammo	3.75			Bearded
AGS 2055	3.74	3.96		Bearded
PA 258 SR	3.74			Smooth
AgriMAXX 438	3.72	3.95	3.83	Smooth
AgriMAXX 446	3.70	3.78	3.61	Bearded
CROPLAN SRW 9415	3.70	3.94	3.84	Bearded
Pioneer variety 26R41	3.68	3.90	3.80	Bearded
SC 13S37TM	3.61	3.90		Smooth
PEMBROKE 2008	3.60	3.63	3.51	Bearded
LCS L11719	3.59			Bearded
PROGENY PGX 17-16	3.59			Bearded
ARMOR RAGE	3.59	4.01		Bearded
PROGENY PGX 16-7	3.57			Bearded
Pioneer variety 26R10	3.57	3.99	3.94	Bearded
Beck 726	3.57			Bearded
ARMOR ARW1718	3.56			Bearded
PA 218 SR	3.56			Bearded
AgriMAXX 454	3.55	3.79	3.79	Bearded
AgriMAXX 486	3.55	4.16		Bearded
X08C-1074-48-7-5	3.54			Smooth
PROGENY #BULLET	3.53	3.94	3.67	Bearded
KY06C-1178-16-10-3	3.53	3.87	3.65	Bearded
Dyna-Gro 9811	3.52			Bearded
USG 3316	3.51	3.94		Bearded
SC 13S26TM	3.48	3.92	4.04	Bearded
EXPZ152	3.45			Smooth
AgriMAXX Exp 1892	3.44			Bearded
Dyna-Gro 9522	3.44	3.93	3.71	Bearded
USG 3404	3.44	3.74	3.73	Bearded
ARMOR ARW1716	3.44			Bearded
PROGENY PGX 17-20	3.42			Bearded
SC EX308	3.42			Bearded
Dyna-Gro WX18724	3.42			Bearded
PEMBROKE 2014	3.42	3.81	3.65	Bearded
AgriMAXX Exp 1884	3.41			Bearded
LCS L11551	3.41			Bearded
CROPLAN SRW 9606	3.40	3.87		Bearded
SYNGENTA SY 547	3.40	3.82	3.66	Smooth
EXPZ192	3.40			Bearded
Go Wheat 2058	3.39	3.50		Bearded
Beck 721	3.38			Bearded
AgriMAXX 473	3.37	3.74		Bearded

VARIETY	DM Yield* at Soft Dough Stage Tons/acre			Head Type
	2018	2017-18	2016-18	
KY09C-1245-99-12-3	3.37			Smooth
Dyna-Gro 9862	3.36	3.76		Smooth
ARMOR ARW1729	3.36			Bearded
AgriMAXX 485	3.35	3.68		Smooth
PROGENY #BLAZE	3.35	3.85		Bearded
KAS Lincoln	3.35			Smooth
USG 3329	3.34			Bearded
ARMOR MAYHEM	3.34	4.09		Bearded
SC EX328	3.33			Bearded
KY06C-1178-16-17-3F	3.33			Bearded
KY06C-1178-16-17-3C	3.33			Bearded
CROPLAN SRW 8550	3.32	3.98		Bearded
SYNGENTA SY 100	3.32	3.62		Smooth
KY07C-1145-94-12-5	3.30	3.93		Smooth
Dyna-Gro 9701	3.29	3.83		Bearded
ARMOR ARW1726	3.29			Bearded
Truman	3.26	3.65	3.33	Smooth
VA12W-31	3.21	3.77		Bearded
KY09C-1245-99-8-5	3.21			Bearded
KAS Roosevelt	3.16			Bearded
PEMBROKE 2016	3.15	3.57	3.62	Bearded
AgriMAXX 463	3.13	3.68	3.59	Smooth
Go Wheat 2059	3.12	3.38		Smooth
PROGENY #WARRIOR	3.07	3.34	3.41	Smooth
USG 3429	3.06			Smooth
Dyna-Gro WX17775	3.04			Bearded
KY09C-1245-99-15-1	3.03			Tip-Awned
USG 3118	3.03			Tip-Awned
PROGENY #BOSS	3.02	3.52		Bearded
X08C-1077-11-18-3	2.99	3.48		Smooth
KY05C-1105-43-6-1D	2.98			Tip-Awned
SYNGENTA SY MISKIN	2.89			Bearded
Pioneer variety 26R36	2.88	3.34	3.29	Bearded
Pioneer variety 26R45	2.87	3.41		Smooth
KAS 18X7	2.86			Bearded
ARMOR ARW1727	2.83			Bearded
AgriMAXX 480	2.78			Bearded
Bess	2.77			Smooth
Clark	2.67	3.30		Smooth
ARMOR ARW1719	2.66			Bearded
<b>AVERAGE</b>	<b>3.36</b>	<b>3.78</b>	<b>3.68</b>	
C.V.	14.68	14.49	14.07	
LSD (0.10)	0.81	0.61	0.48	

**Location:** Bluegrass Region - Fayette Co.; Conventional tillage

**Planted:** 10-17-17

**Harvested:** 6-4-18

\*DM=Dry Matter Yield

**Table 5. 2018 Kentucky Wheat Straw Test.**

VARIETY	DM Yield* Tons/acre		
	2018	2017-18	2016-18
AgriMAXX 438	1.68	1.78	1.94
SYNGENTA SY MISKIN	1.62		
SYNGENTA SY VIPER	1.59	1.68	1.78
SC 13S26TM	1.55	1.85	2.10
USG 3316	1.50	1.39	
ARMOR ARW1718	1.49		
Pioneer variety 26R41	1.46	1.48	1.67
Pioneer variety 26R36	1.42	1.43	1.68
LCS Ammo	1.41		
PEMBROKE 2008	1.41	1.46	1.54
SYNGENTA SY 100	1.41	1.84	
USG 3429	1.41		
KY09C-1245-99-15-1	1.38		
USG 3118	1.38		
Truman	1.34	1.67	1.79
ARMOR ARW1726	1.33		
AgriMAXX 454	1.33	1.45	1.51
CROPLAN SRW 9415	1.32	1.73	1.89
ARMOR ARW1727	1.31		
KY06C-1178-16-17-3F	1.31		
AgriMAXX 446	1.30	1.57	1.70
AGS 2055	1.29	1.82	
KY09C-1245-99-8-5	1.29		
ARMOR ARW1729	1.28		
ARMOR RAGE	1.28	1.57	
Dyna-Gro 9701	1.28	1.18	
Dyna-Gro 9811	1.28		
Dyna-Gro 9862	1.28	1.79	
PROGENY PGX 17-16	1.28		
PA 258 SR	1.27		
KY06C-1178-16-10-3	1.26	1.64	1.65
SC 13S37TM	1.25	1.47	
USG 3404	1.25	1.55	1.63
Beck 721	1.24		
KY09C-1245-99-12-3	1.24		
USG 3329	1.23		
VA12W-31	1.23	1.37	
KAS Roosevelt	1.22		
Pioneer variety 26R59	1.22	1.13	1.47
KAS 18X6	1.21		
KAS Lincoln	1.21		
LCS L11551	1.21		
Dyna-Gro 9522	1.20	1.52	1.82
PA 218 SR	1.20		
PROGENY #BULLET	1.20	1.37	1.69
PEMBROKE 2016	1.19	1.39	1.50
ARMOR ARW1766	1.18		

VARIETY	DM Yield* Tons/acre		
	2018	2017-18	2016-18
AgriMAXX 480	1.18		
KY05C-1105-43-6-1D	1.18		
KY06C-1178-16-17-3C	1.18		
Pioneer variety 26R10	1.18	1.60	1.79
Clark	1.17	1.58	
PROGENY PGX 16-7	1.17		
CROPLAN SRW 9606	1.15	1.24	
CROPLAN SRW 8550	1.14	1.33	
EXPZ152	1.14		
SC EX308	1.14		
SYNGENTA SY 547	1.14	1.52	1.71
AgriMAXX Exp 1892	1.13		
EXPZ192	1.13		
Dyna-Gro WX18724	1.12		
PROGENY #WARRIOR	1.12	1.70	1.71
AgriMAXX Exp 1884	1.08		
AgriMAXX 473	1.06	1.39	
AgriMAXX 485	1.06	1.40	
Go Wheat 2058	1.06	1.62	
KAS 18X7	1.04		
ARMOR ARW1716	1.03		
PEMBROKE 2014	1.03	1.41	1.62
LCS L11719	0.99		
Bess	0.98		
Dyna-Gro WX17775	0.98		
KY07C-1145-94-12-5	0.97	1.18	
AgriMAXX 486	0.96	1.28	
SC EX328	0.96		
Beck 726	0.95		
ARMOR MAYHEM	0.93	1.32	
X08C-1074-48-7-5	0.93		
PROGENY #BOSS	0.91	1.15	
VA12W-68	0.91	1.53	
PROGENY #BLAZE	0.88	1.27	
PROGENY PGX 17-20	0.87		
Go Wheat 2059	0.85	1.03	
AgriMAXX 463	0.84	1.23	1.37
Pioneer variety 26R45	0.83	1.16	
X08C-1077-11-18-3	0.75	1.10	
ARMOR ARW1719	0.71		
<b>AVERAGE</b>	<b>1.19</b>	<b>1.46</b>	<b>1.69</b>
C.V.	26.87	32.04	33.22
LSD (0.10)	0.53	0.51	0.46

**Location:** Bluegrass Region - Fayette Co.; Conventional tillage

**Planted:** 10-17-17

**Harvested:** 6-18-18

\* Dry Matter straw yield following grain harvest.

**Table 6. 2018 Kentucky Wheat Test - Purchase Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
CROPLAN SRW 9606	91.8	88.2	59.6	58.7	0	35	35
Beck 726	88.5		58.7		0	33	36
USG 3429	87.8		58.0		0	32	36
Dyna-Gro WX18724	83.9		61.5		0	34	36
SYNGENTA SY 547	83.9	77.6	58.4	58.8	1	36	35
AgriMAXX Exp 1884	83.1		58.1		0	33	35
Pioneer variety 26R10	82.2	87.9	59.6	59.7	0	34	36
ARMOR ARW1729	81.3		56.7		0	33	37
AgriMAXX 454	81.3	88.6	60.8	60.4	0	33	36
Pioneer variety 26R36	81.1	86.1	61.4	60.4	0	35	36
SYNGENTA SY 100	80.6	79.0	57.6	57.7	8	32	36
ARMOR ARW1766	80.3		60.1		0	34	35
USG 3316	79.6	80.9	59.1	59.8	0	33	36
PROGENY #BLAZE	79.1	83.4	60.4	60.4	0	35	35
Dyna-Gro WX17775	79.0		58.8		0	33	36
USG 3404	78.8	82.5	60.0	59.6	0	34	36
Dyna-Gro 9522	78.7	84.5	59.4	59.3	0	34	36
CROPLAN SRW 9415	78.4	85.2	60.4	59.9	0	33	36
ARMOR RAGE	78.4	87.5	59.9	60.0	0	33	35
PROGENY #BULLET	78.1	77.3	58.4	59.1	0	35	35
SC EX328	77.9		58.5		0	32	35
Pioneer variety 26R41	77.7	81.1	60.6	59.6	0	31	36
ARMOR ARW1726	77.3		60.3		0	34	36
PA 258 SR	77.1		60.8		0	32	36
Dyna-Gro 9701	76.9	76.9	58.9	59.0	0	36	35
ARMOR ARW1727	76.9		62.0		0	34	36
AgriMAXX 438	76.7	81.8	59.0	59.6	0	35	36
SC 13S37TM	76.7	77.4	61.3	61.0	0	33	36
Pioneer variety 26R59	76.6	83.5	60.6	60.4	0	31	35
SYNGENTA SY VIPER	76.6	75.8	60.6	60.6	0	38	35
PA 218 SR	76.6		59.5		0	34	35
EXPZ152	75.8		60.9		0	31	36
PEMBROKE 2016	75.7	71.6	60.3	59.5	0	33	36
AgriMAXX 485	75.3	75.4	61.7	61.2	0	33	36
AgriMAXX 486	75.2	79.7	60.0	59.8	0	35	36
PROGENY PGX 17-20	74.9		61.0		0	34	36
PROGENY #BOSS	74.7	79.4	59.3	58.4	0	32	35
AgriMAXX 473	74.7	76.5	58.9	59.4	0	34	36
SC EX308	74.5		60.0		0	35	35
USG 3118	74.0		56.0		15	33	35
SC 13S26TM	73.9	82.2	59.7	59.6	0	33	36
KY09C-1245-99-12-3	73.8		59.0		0	33	35
SYNGENTA SY MISKIN	73.7		59.1		13	33	35
ARMOR ARW1718	73.3		59.8		0	36	35
CROPLAN SRW 8550	73.2	77.8	59.3	59.5	0	35	35
Beck 721	73.1		58.4		0	35	36



**Table 6** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
Dyna-Gro 9862	72.8	75.0	60.8	61.1	0	32	36
Go Wheat 2059	72.6	71.2	58.4	57.9	0	32	35
AGS 2055	72.5	69.2	59.5	59.2	0	34	36
AgriMAXX 463	72.4	74.6	58.9	58.2	0	33	35
KAS Roosevelt	72.3		59.3		0	35	35
KY07C-1145-94-12-5	72.2	73.3	60.7	60.9	0	33	35
PROGENY PGX 17-16	72.1		62.3		0	35	36
KY06C-1178-16-10-3	72.1	77.6	60.3	60.0	0	36	35
USG 3329	71.8		60.2		0	35	35
PROGENY PGX 16-7	71.6		58.8		0	32	35
ARMOR ARW1719	71.4		57.6		0	32	35
PEMBROKE 2014	71.1	63.3	61.1	60.0	0	31	36
AgriMAXX 446	70.9	84.6	60.5	60.1	0	34	36
Pioneer variety 26R45	70.9	77.4	58.6	58.1	0	34	36
ARMOR MAYHEM	70.1	74.0	58.8	59.0	0	35	35
Dyna-Gro 9811	70.0		60.5		0	35	35
KAS Lincoln	69.7		61.0		0	33	36
LCS Ammo	69.5		61.3		0	32	35
Go Wheat 2058	69.4	72.0	61.1	60.4	0	30	35
X08C-1074-48-7-5	69.3		58.9		0	34	36
KY05C-1105-43-6-1D	69.1		62.2		0	35	35
PROGENY #WARRIOR	68.9	78.0	57.5	58.2	0	33	35
Truman	68.5	69.3	58.5	60.1	4	40	42
KY09C-1245-99-15-1	68.3		60.2		0	33	35
LCS L11719	67.7		57.4		0	30	37
ARMOR ARW1716	67.3		60.6		0	30	35
VA12W-31	67.1	75.4	60.9	60.6	0	30	35
LCS L11551	66.9		60.3		0	31	35
KY09C-1245-99-8-5	66.7		60.5		0	34	35
Bess	66.6		60.8		0	36	36
KAS 18X6	64.3		60.7		0	33	36
AgriMAXX Exp 1892	64.0		61.2		0	32	36
KAS 18X7	63.7		61.7		0	35	36
EXPZ192	63.6		57.7		0	34	36
X08C-1077-11-18-3	63.2	70.8	60.8	60.3	0	33	36
AgriMAXX 480	63.0		61.8		0	34	32
VA12W-68	62.7	63.9	61.3	59.8	0	33	35
KY06C-1178-16-17-3F	62.3		59.2		0	34	35
PEMBROKE 2008	61.9	66.9	60.0	59.4	0	30	36
KY06C-1178-16-17-3C	58.3		60.3		0	33	36
Clark	54.7	56.2	57.4	57.6	0	37	35
<b>AVERAGE</b>	<b>73.3</b>	<b>77.3</b>	<b>59.8</b>	<b>59.6</b>	<b>0</b>	<b>33</b>	<b>36</b>
C.V.	11.8	11.1					
LSD (0.10)	14.4	9.8					

**Location:** Calloway Co.

**Planted:** 10-6-17; Conventional tillage

**Harvested:** 6-11-18

**Table 7. 2018 Kentucky Wheat Test - Western Coal Field Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018
PA 258 SR	61.5		56.9		29	37
SYNGENTA SY VIPER	60.9	78.1	60.2	59.8	32	36
Dyna-Gro 9862	59.6	75.4	57.6	59.4	29	37
SC 13S37TM	57.8	77.5	57.8	59.3	28	37
ARMOR ARW1729	57.1		55.4		30	37
KAS Lincoln	57.0		56.7		28	37
ARMOR MAYHEM	56.8	73.6	56.3	58.1	31	36
AgriMAXX 454	56.1	76.8	58.0	58.9	29	37
AgriMAXX 485	56.0	76.8	57.6	59.5	28	37
EXPZ192	56.0		58.9		29	36
SC 13S26TM	55.3	77.1	58.3	58.2	28	36
AgriMAXX Exp 1884	55.1		54.9		27	36
Pioneer variety 26R45	55.0	77.5	55.8	56.3	29	35
AgriMAXX 446	54.9	75.1	58.0	59.1	28	36
ARMOR RAGE	54.6	78.3	59.8	59.4	30	36
ARMOR ARW1727	54.6		57.5		30	37
SYNGENTA SY 547	54.4	73.2	57.9	58.6	31	35
Pioneer variety 26R59	54.2	75.4	56.9	57.7	25	36
CROPLAN SRW 8550	54.2	74.1	56.8	58.4	31	37
ARMOR ARW1766	54.0		57.6		29	34
PROGENY #WARRIOR	53.9	76.2	57.1	58.0	28	34
USG 3316	53.8	78.0	58.0	58.6	29	36
KAS 18X6	53.6		58.8		29	37
SC EX328	53.4		55.0		27	36
ARMOR ARW1718	53.3		55.1		31	36
Beck 726	53.3		55.4		29	36
PA 218 SR	53.3		53.2		28	36
SC EX308	53.2		54.2		31	36
AgriMAXX 473	53.1	70.8	55.9	58.1	32	36
Dyna-Gro 9701	53.1	69.9	55.6	57.4	31	36
KY09C-1245-99-12-3	52.8		56.4		28	35
ARMOR ARW1719	52.8		55.2		28	36
SYNGENTA SY 100	52.8	74.4	54.3	55.8	27	38
PROGENY #BOSS	52.7	71.8	54.7	56.3	28	36
Dyna-Gro 9522	52.2	75.3	57.7	58.2	29	37
PROGENY PGX 17-16	52.2		58.7		30	37
AgriMAXX 486	51.9	74.4	57.5	58.9	30	37
X08C-1074-48-7-5	51.9		54.8		32	37
AgriMAXX Exp 1892	51.8		59.5		26	36
AgriMAXX 463	51.6	69.4	54.0	55.9	28	35
Pioneer variety 26R36	51.5	73.6	59.3	60.0	29	36
ARMOR ARW1726	51.5		58.8		29	36
KAS Roosevelt	51.4		53.5		29	36
PROGENY PGX 17-20	50.9		57.9		29	37
USG 3404	50.9	73.8	57.1	57.9	28	36
CROPLAN SRW 9415	50.9	75.6	58.2	58.6	27	37

**Table 7** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018
VA12W-68	50.8	68.4	58.3	59.4	27	35
LCS L11719	50.8		57.2		27	37
USG 3329	50.6		53.1		30	36
ARMOR ARW1716	50.5		59.0		26	35
PROGENY #BULLET	50.2	71.4	55.9	57.7	31	36
AgriMAXX 438	50.1	72.9	55.1	56.3	30	36
Pioneer variety 26R41	50.1	70.0	57.7	58.9	27	36
X08C-1077-11-18-3	49.8	64.8	56.7	58.3	28	36
Beck 721	49.7		55.9		31	37
Pioneer variety 26R10	49.6	72.3	56.5	58.4	27	37
Dyna-Gro WX17775	49.6		55.1		28	36
KY09C-1245-99-15-1	49.3		56.9		28	35
KY09C-1245-99-8-5	49.2		57.1		28	35
Dyna-Gro 9811	48.9		58.0		30	36
KAS 18X7	48.9		57.9		29	37
USG 3429	48.7		56.4		27	37
PROGENY #BLAZE	48.5	70.3	54.4	56.5	29	36
Truman	48.1	69.3	58.9	59.5	35	42
Go Wheat 2058	48.0	71.2	56.8	58.7	26	36
Bess	48.0		59.7		31	37
EXPZ152	47.7		58.8		25	36
LCS L11551	47.3		56.9		26	36
SYNGENTA SY MISKIN	46.9		56.6		28	36
CROPLAN SRW 9606	46.8	69.5	56.2	57.2	29	35
KY07C-1145-94-12-5	46.5	65.5	56.8	58.6	28	35
LCS Ammo	46.2		53.8		26	37
Go Wheat 2059	45.8	71.0	52.5	55.9	26	37
AGS 2055	45.8	69.9	53.8	56.3	28	37
Dyna-Gro WX18724	45.5		57.4		28	37
PEMBROKE 2008	45.3	64.9	57.2	58.1	25	36
VA12W-31	45.2	69.5	59.5	60.5	26	36
Clark	44.6	54.3	56.6	58.2	31	34
PROGENY PGX 16-7	44.6		57.6		26	35
PEMBROKE 2014	44.1	64.1	57.6	59.2	25	36
KY06C-1178-16-10-3	43.5	66.2	56.8	58.0	29	37
PEMBROKE 2016	42.9	64.9	56.6	58.6	26	36
KY06C-1178-16-17-3C	42.5		57.0		26	37
USG 3118	42.4		54.2		26	35
KY06C-1178-16-17-3F	41.3		55.6		27	36
KY05C-1105-43-6-1D	39.0		55.5		28	36
AgriMAXX 480	36.4		56.0		28	31
<b>AVERAGE</b>	<b>50.7</b>	<b>71.9</b>	<b>56.7</b>	<b>58.2</b>	<b>28</b>	<b>36</b>
C.V.	9.8	8.6				
LSD (0.10)	8.2	6.5				

**Location:** Caldwell Co. (Princeton, KY)

**Planted:** 10-6-17; No-till

**Harvested:** 6-12-18

Lodging = 0%

**Table 8. 2018 Kentucky Wheat Test - Ohio Valley Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
Pioneer variety 26R36	95.5	97.3	57.4	58.8	0	33	39
ARMOR ARW1726	92.0		56.9		1	33	38
USG 3316	92.0	99.2	56.3	57.9	0	30	39
SC 13S26TM	91.3	97.7	56.2	57.4	0	31	39
LCS L11719	90.6		56.2		0	28	38
PROGENY PGX 17-20	88.8		55.7		0	31	38
PROGENY PGX 17-16	88.6		56.7		0	30	39
AgriMAXX 486	88.5	91.6	57.0	57.7	13	34	39
Dyna-Gro WX18724	88.0		54.7		0	31	38
ARMOR RAGE	87.8	95.7	56.0	57.5	0	31	39
USG 3404	87.4	92.9	55.2	56.2	10	33	39
ARMOR ARW1729	87.2		55.4		0	29	40
KY06C-1178-16-10-3	87.0	89.6	57.1	57.8	5	32	38
AgriMAXX 454	86.3	95.9	56.4	57.9	0	30	39
KAS 18X6	86.2		55.9		6	30	39
USG 3329	85.9		54.1		1	32	37
SC EX328	85.7		53.1		0	30	38
Pioneer variety 26R10	85.7	93.2	55.1	56.7	0	30	39
Dyna-Gro 9522	85.5	93.0	55.6	56.6	3	30	40
ARMOR ARW1727	85.4		54.5		13	31	38
SC EX308	85.3		53.0		41	33	37
ARMOR ARW1766	85.1		53.3		0	31	37
SC 13S37TM	85.0	94.7	55.0	57.6	0	31	39
AgriMAXX 485	85.0	94.2	54.9	57.4	0	30	39
AgriMAXX 446	85.0	96.9	56.5	58.0	0	29	39
CROPLAN SRW 9415	84.5	95.0	56.1	57.6	0	30	39
Dyna-Gro 9862	84.3	93.7	54.7	57.5	0	29	39
PA 218 SR	84.0		53.9		13	32	37
ARMOR ARW1719	83.9		52.6		0	30	38
AgriMAXX Exp 1884	83.1		52.9		0	30	37
Dyna-Gro WX17775	83.0		53.3		0	29	38
KAS Lincoln	83.0		55.3		0	30	39
KAS Roosevelt	82.8		54.8		20	33	38
KAS 18X7	82.6		54.4		10	33	38
Dyna-Gro 9701	82.4	87.9	54.8	56.5	0	32	39
SYNGENTA SY 547	82.3	77.7	55.4	56.2	0	31	38
PA 258 SR	82.2		55.0		0	31	39
ARMOR ARW1716	81.6		56.5		0	28	37
PROGENY #BOSS	81.1	87.0	52.8	54.2	0	29	38
Beck 726	80.9		53.2		0	30	38
CROPLAN SRW 9606	80.8	86.8	52.2	54.1	13	31	37
PROGENY #WARRIOR	80.7	89.2	52.0	54.6	1	30	37
KY05C-1105-43-6-1D	80.4		56.4		0	31	38
ARMOR MAYHEM	80.3	90.9	54.8	56.7	0	31	39
AgriMAXX Exp 1892	80.0		57.0		1	28	37
PROGENY #BULLET	79.9	88.1	54.8	56.9	0	32	39

**Table 8** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
VA12W-68	79.7	85.6	55.2	56.7	0	30	37
LCS Ammo	79.4		54.5		0	28	39
SYNGENTA SY 100	79.4	90.0	51.9	53.6	20	30	39
Go Wheat 2059	79.3	89.3	52.1	55.4	0	28	38
USG 3429	78.9		55.3		5	30	38
CROPLAN SRW 8550	78.8	85.9	54.7	56.5	0	31	40
AgriMAXX 473	78.7	83.9	55.0	57.0	0	31	40
Go Wheat 2058	78.6	94.3	56.3	57.9	0	27	39
X08C-1074-48-7-5	78.2		55.5		0	33	39
PEMBROKE 2016	78.1	81.5	55.6	57.4	0	29	38
AgriMAXX 463	77.9	85.6	52.2	55.2	0	28	38
PROGENY #BLAZE	77.8	91.0	53.8	55.6	20	32	38
AGS 2055	77.5	87.7	51.9	54.8	0	32	39
AgriMAXX 438	77.0	85.3	53.9	55.2	15	33	39
EXPZ192	76.6		56.1		0	29	39
Pioneer variety 26R45	76.3	91.1	52.1	54.1	13	30	40
Pioneer variety 26R41	76.2	88.7	54.2	56.5	0	28	39
SYNGENTA SY VIPER	76.0	77.2	55.0	55.9	24	33	39
KY07C-1145-94-12-5	76.0	76.8	55.6	57.0	0	30	38
KY09C-1245-99-8-5	75.7		54.7		0	30	39
PEMBROKE 2008	75.7	76.4	54.9	56.4	0	29	36
ARMOR ARW1718	75.5		52.3		4	30	39
PEMBROKE 2014	75.4	82.3	55.9	57.7	16	29	37
EXPZ152	75.4		54.8		14	29	38
SYNGENTA SY MISKIN	75.0		54.8		0	32	37
LCS L11551	74.6		55.2		0	28	39
VA12W-31	73.8	76.8	54.5	56.5	13	29	38
PROGENY PGX 16-7	73.6		53.4		0	30	37
Beck 721	73.1		53.0		0	32	39
KY09C-1245-99-12-3	72.6		52.2		0	28	38
KY09C-1245-99-15-1	72.5		54.6		0	28	38
Bess	72.3		56.2		30	31	38
Pioneer variety 26R59	72.3	86.2	53.7	55.7	0	29	38
KY06C-1178-16-17-3C	71.9		55.6		0	28	38
Dyna-Gro 9811	69.7		53.2		8	31	38
X08C-1077-11-18-3	69.3	81.7	56.1	57.6	0	27	39
AgriMAXX 480	67.6		54.7		0	29	35
KY06C-1178-16-17-3F	66.1		54.5		0	28	38
Clark	65.5	58.3	53.7	55.8	0	32	37
Truman	65.0	76.4	55.6	57.4	0	37	43
USG 3118	64.3		54.5		0	27	37
<b>AVERAGE</b>	<b>80.1</b>	<b>87.7</b>	<b>54.7</b>	<b>56.5</b>	<b>4</b>	<b>30</b>	<b>38</b>
C.V.	6.1	8.1					
LSD (0.10)	8.1	8.0					

**Location:** Crittenden Co.

**Planted:** 10-20-17; Conventional tillage

**Harvested:** 6-15-18

**Table 9. 2018 Kentucky Wheat Test - Bluegrass Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018
AgriMAXX 485	69.5	85.9	57.8	59.4	30	40
Dyna-Gro 9701	68.7	85.6	57.3	58.6	32	39
ARMOR ARW1766	68.0		57.9		29	38
ARMOR RAGE	67.3	80.4	57.6	58.3	29	39
AgriMAXX 454	66.4	81.4	57.8	58.6	29	39
USG 3316	66.0	77.6	57.9	58.0	30	39
SC 13S37TM	65.3	81.6	59.1	60.0	29	40
USG 3429	65.3		60.6		28	40
SYNGENTA SY VIPER	65.2	80.5	61.0	60.6	31	38
AgriMAXX 446	65.0	75.9	58.2	57.6	29	39
KAS Lincoln	64.9		59.4		29	40
AgriMAXX 438	64.6	82.2	58.2	59.0	30	39
KY09C-1245-99-8-5	63.9		60.1		30	38
CROPLAN SRW 9606	63.8	81.7	56.5	57.6	29	38
SYNGENTA SY 547	63.3	77.1	59.8	59.8	32	38
PA 218 SR	63.3		57.5		29	39
USG 3404	63.0	78.5	58.1	57.5	28	39
Pioneer variety 26R10	62.6	82.2	57.8	58.5	29	39
KAS Roosevelt	62.5		56.5		30	38
Dyna-Gro 9862	62.5	83.4	59.0	60.3	29	40
CROPLAN SRW 9415	62.4	77.7	58.1	57.8	35	39
Dyna-Gro 9522	62.2	77.5	58.0	57.8	28	39
SC EX308	62.0		55.9		31	38
X08C-1074-48-7-5	61.7		59.2		31	40
CROPLAN SRW 8550	61.6	82.7	57.6	59.0	31	39
AgriMAXX 486	61.5	82.7	59.4	59.5	30	40
PROGENY #WARRIOR	61.3	76.5	57.0	57.7	28	38
AgriMAXX Exp 1884	61.2		58.4		29	38
KAS 18X6	61.1		59.1		29	39
Pioneer variety 26R59	61.0	82.5	59.1	59.6	27	39
AGS 2055	60.9	73.9	58.3	56.7	31	40
KY09C-1245-99-15-1	60.7		61.1		29	38
ARMOR MAYHEM	60.7	83.1	57.5	58.9	32	39
X08C-1077-11-18-3	60.4	73.3	57.8	58.9	30	40
Pioneer variety 26R36	60.4	75.1	59.6	59.7	29	39
LCS L11719	60.3		59.4		27	39
Beck 721	60.0		57.9		31	39
ARMOR ARW1718	59.9		57.6		30	39
KY06C-1178-16-10-3	59.9	77.3	59.2	59.3	30	39
KY09C-1245-99-12-3	59.9		58.8		29	37
VA12W-31	59.8	75.6	60.0	59.8	27	38
AgriMAXX 473	59.4	80.5	58.9	59.8	30	38
EXPZ152	59.2		59.4		27	39
SC 13S26TM	59.0	74.5	57.2	57.9	30	39
ARMOR ARW1727	58.8		59.0		30	39
PA 258 SR	58.7		59.1		29	40

**Table 9** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018
KY07C-1145-94-12-5	58.6	78.6	59.2	60.2	29	38
USG 3329	58.5		57.3		29	38
LCS Ammo	58.2		59.5		27	39
KY06C-1178-16-17-3F	58.2		58.0		29	39
Pioneer variety 26R41	58.0	77.2	58.9	58.9	28	39
PEMBROKE 2016	57.9	77.0	59.7	60.6	29	39
PROGENY PGX 17-20	57.8		60.0		28	39
Dyna-Gro 9811	57.6		59.2		30	39
PROGENY #BLAZE	57.1	81.0	56.2	58.3	29	39
KAS 18X7	57.1		60.4		28	39
Dyna-Gro WX18724	56.8		60.3		29	39
LCS L11551	56.5		59.8		26	39
ARMOR ARW1719	56.4		57.0		28	39
SC EX328	56.4		57.8		28	38
PROGENY PGX 17-16	56.1		59.7		29	39
SYNGENTA SY 100	55.9	78.3	55.8	56.7	27	40
ARMOR ARW1726	55.7		59.1		29	39
PROGENY #BOSS	55.7	75.6	56.8	57.2	28	38
AgriMAXX Exp 1892	55.4		59.8		27	38
SYNGENTA SY MISKIN	55.1		60.6		30	38
PROGENY #BULLET	55.0	79.4	57.6	59.2	30	39
KY06C-1178-16-17-3C	54.8		59.2		27	40
PEMBROKE 2014	54.8	74.9	59.0	60.5	27	38
Beck 726	54.3		57.3		27	38
ARMOR ARW1716	54.3		59.7		27	38
Dyna-Gro WX17775	53.7		57.9		27	39
PEMBROKE 2008	53.6	72.3	58.9	59.4	27	39
EXPZ192	53.6		59.0		28	39
ARMOR ARW1729	53.2		58.6		28	41
Go Wheat 2058	53.1	75.0	59.0	59.4	25	39
Bess	52.8		58.9		31	39
AgriMAXX 463	50.9	76.9	54.7	57.5	26	39
Go Wheat 2059	50.0	73.8	54.6	57.4	26	39
PROGENY PGX 16-7	50.0		58.6		27	38
Clark	49.9	60.9	56.5	57.5	33	37
Pioneer variety 26R45	47.1	72.5	52.6	55.9	27	39
Truman	45.8	60.5	59.9	60.6	33	45
VA12W-68	44.3	65.8	59.3	58.9	26	38
AgriMAXX 480	44.3		59.9		28	36
USG 3118	43.4		59.5		27	37
KY05C-1105-43-6-1D	42.3		59.9		27	39
<b>AVERAGE</b>	<b>58.3</b>	<b>77.4</b>	<b>58.5</b>	<b>58.7</b>	<b>29</b>	<b>39</b>
C.V.	11.4	8.8				
LSD (0.10)	11.0	7.3				

**Location:** Fayette Co. (Lexington, KY)  
**Planted:** 10-17-17; Conventional tillage  
**Harvested:** 6-18-18  
Lodging = 0%.

**Table 10. 2018 Kentucky Wheat Test - Southern Tier Region A.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
KY07C-1145-94-12-5	83.1	83.3	58.6	58.6	9	38	31
Dyna-Gro WX17775	81.1		55.6		0	37	33
KAS 18X6	80.9		59.2		1	39	33
USG 3316	80.8	82.8	57.3	57.0	0	36	34
Beck 726	80.3		55.4		0	37	33
Pioneer variety 26R45	79.9	81.6	55.6	56.3	8	38	33
PROGENY PGX 17-16	79.9		57.9		6	39	34
ARMOR ARW1719	79.3		55.9		0	36	33
SC EX308	79.0		56.6		11	39	32
ARMOR RAGE	78.9	84.4	57.5	57.6	1	38	34
SC 13S26TM	78.9	83.6	57.7	57.6	0	37	34
EXPZ152	78.7		56.8		3	35	32
AgriMAXX 486	78.6	80.4	56.4	56.7	0	39	34
PROGENY #BLAZE	78.5	85.1	56.0	56.8	15	38	32
AgriMAXX 454	78.4	84.0	56.0	56.5	0	37	34
SC EX328	78.1		54.9		1	37	33
SYNGENTA SY VIPER	77.7	80.6	59.5	59.8	3	40	33
PEMBROKE 2014	77.4	78.8	57.5	57.9	0	35	31
ARMOR ARW1766	77.2		56.5		0	38	30
EXPZ192	76.8		58.4		0	39	32
AgriMAXX Exp 1884	76.6		55.0		0	36	33
KAS 18X7	75.8		56.9		14	38	33
USG 3329	75.8		56.1		6	39	33
Pioneer variety 26R59	75.4	85.1	56.0	56.2	0	33	32
ARMOR ARW1726	75.4		58.7		0	38	34
PA 258 SR	75.0		58.9		3	36	35
SYNGENTA SY 547	75.0	79.2	55.5	56.7	0	39	32
ARMOR ARW1718	74.9		54.9		15	40	33
PROGENY #WARRIOR	74.8	83.3	56.1	56.8	1	37	31
SC 13S37TM	74.4	84.4	58.4	58.8	3	37	34
AgriMAXX 438	74.1	80.3	57.8	57.5	5	38	35
Dyna-Gro WX18724	73.9		57.1		1	38	33
Beck 721	73.8		56.9		1	39	34
AgriMAXX 473	73.8	83.7	55.7	56.9	0	39	33
PROGENY PGX 17-20	73.7		57.3		0	38	33
Dyna-Gro 9701	73.7	80.3	55.7	56.4	0	39	34
KAS Roosevelt	73.4		56.8		8	38	33
Go Wheat 2059	73.0	77.8	56.0	56.1	1	34	32
Dyna-Gro 9862	72.6	80.6	57.6	58.5	0	37	35
KY09C-1245-99-15-1	72.4		57.6		0	37	32
KAS Lincoln	72.2		58.2		4	36	34
X08C-1077-11-18-3	71.9	76.9	57.8	58.0	0	37	34
KY09C-1245-99-12-3	71.9		55.5		0	37	31
CROPLAN SRW 8550	71.7	81.4	56.9	57.3	3	39	33
Go Wheat 2058	71.7	85.1	56.4	57.2	0	33	32
LCS L11719	71.6		56.8		1	35	33
PROGENY #BULLET	71.5	80.9	56.3	56.7	0	38	33



**Table 10** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
Pioneer variety 26R41	71.5	80.2	55.7	56.2	0	35	33
PEMBROKE 2016	71.4	78.0	57.3	57.2	8	36	31
USG 3429	71.3		57.8		13	35	34
AgriMAXX 463	71.2	77.2	55.2	55.7	1	35	32
Pioneer variety 26R10	71.2	81.5	55.8	56.8	0	37	34
AgriMAXX 446	71.2	78.8	55.9	56.7	0	37	34
Dyna-Gro 9522	71.1	80.9	55.9	56.9	0	37	35
ARMOR ARW1727	70.6		57.9		0	37	33
CROPLAN SRW 9415	70.4	83.6	56.8	57.2	0	38	34
Pioneer variety 26R36	70.3	80.1	58.2	57.9	0	38	33
PA 218 SR	70.2		55.3		1	38	33
USG 3404	70.1	81.4	56.0	56.8	0	38	34
LCS L11551	69.7		58.4		3	35	33
Dyna-Gro 9811	69.6		56.4		0	38	31
ARMOR ARW1716	69.2		58.4		1	35	31
AgriMAXX Exp 1892	69.2		57.5		0	35	32
PROGENY #BOSS	69.0	77.3	53.5	54.8	0	35	31
ARMOR ARW1729	68.9		55.0		1	37	35
LCS Ammo	68.5		56.2		4	35	33
KY09C-1245-99-8-5	68.4		55.0		0	36	32
VA12W-31	68.3	77.7	57.5	57.6	0	34	32
ARMOR MAYHEM	68.2	77.8	56.7	57.0	0	39	34
SYNGENTA SY 100	68.1	78.2	53.2	54.1	0	36	34
X08C-1074-48-7-5	67.9		56.2		6	37	34
PEMBROKE 2008	67.9	76.2	57.4	57.7	0	34	30
Bess	67.8		59.0		5	39	33
AgriMAXX 485	67.4	80.1	57.8	58.3	1	35	35
KY05C-1105-43-6-1D	66.9		59.4		4	38	32
Truman	65.8	66.2	58.1	58.6	10	43	39
KY06C-1178-16-10-3	65.6	80.4	56.6	57.3	0	38	33
VA12W-68	64.8	73.5	57.3	57.5	0	38	30
SYNGENTA SY MISKIN	62.1		56.4		19	36	31
CROPLAN SRW 9606	62.0	74.3	54.5	55.5	0	35	31
USG 3118	62.0		56.7		5	33	31
KY06C-1178-16-17-3C	61.1		56.0		0	36	32
Clark	60.4	63.0	57.7	57.5	15	41	30
PROGENY PGX 16-7	58.6		55.6		0	36	30
KY06C-1178-16-17-3F	58.5		54.7		0	37	32
AGS 2055	56.3	68.4	51.6	53.8	0	38	33
AgriMAXX 480	45.9		57.7		0	37	28
<b>AVERAGE</b>	<b>71.6</b>	<b>79.5</b>	<b>56.7</b>	<b>57.0</b>	<b>2</b>	<b>37</b>	<b>33</b>
C.V.	8.1	8.0					
LSD (0.01)	9.7	7.1					

**Location:** Logan Co.

**Planted:** 10-12-17; Conventional tillage

**Harvested:** 6-14-18

**Table 11. 2018 Kentucky Wheat Test - Southern Tier Region B.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2016 & 18*	2018	2016 & 18	2018	2018	2018
Pioneer variety 26R45	102.2		60.9		20	34	35
AgriMAXX 454	100.9	99.8	63.2	60.7	0	34	35
Pioneer variety 26R59	100.1	97.3	63.8	61.4	0	30	34
PROGENY #BLAZE	99.8		60.8		33	36	34
USG 3316	99.6		58.5		0	35	34
AgriMAXX 463	99.6	99.0	60.3	60.1	3	33	33
SC 13S37TM	98.6		61.5		16	33	37
ARMOR ARW1766	98.3		60.8		0	33	33
EXPZ152	97.8		60.9		5	34	33
ARMOR RAGE	96.4		61.4		0	32	36
SC 13S26TM	96.2	94.9	61.0	59.5	0	34	35
Go Wheat 2059	95.8		59.8		4	32	33
PROGENY #BULLET	95.5	96.2	59.6	59.3	0	36	35
Beck 726	95.5		60.4		0	34	35
KY09C-1245-99-12-3	95.4		61.6		0	33	32
SC EX328	95.0		60.0		0	35	34
AgriMAXX 486	94.9		62.1		0	35	37
KAS Lincoln	94.8		63.8		0	32	36
KY09C-1245-99-8-5	94.5		58.2		0	35	34
SC EX308	94.2		61.6		0	35	34
SYNGENTA SY 547	94.0	97.3	60.3	60.1	0	35	33
PROGENY PGX 17-16	93.4		61.5		0	36	36
Truman	93.4	89.6	61.9	60.1	0	39	41
KY09C-1245-99-15-1	93.2		61.8		0	34	33
USG 3329	93.0		59.1		0	36	33
PROGENY #WARRIOR	92.7	96.6	61.0	59.6	0	33	34
EXPZ192	92.6		60.4		3	36	35
PA 218 SR	92.5		59.3		0	35	34
ARMOR ARW1726	92.3		61.8		0	36	35
SYNGENTA SY VIPER	92.1	94.8	61.6	61.3	0	35	34
KY05C-1105-43-6-1D	91.7		64.2		3	34	34
CROPLAN SRW 9415	91.7	99.3	63.2	62.1	5	33	36
KY07C-1145-94-12-5	91.7		61.0		0	34	32
AGS 2055	91.5		58.7		0	37	35
PA 258 SR	91.3		62.7		0	33	36
AgriMAXX 485	91.1		59.8		0	35	37
KAS Roosevelt	90.9		62.6		0	34	34
AgriMAXX Exp 1884	90.8		57.1		0	33	35
AgriMAXX 438	90.8	97.5	60.0	59.8	0	36	36
ARMOR ARW1729	89.9		58.8		0	33	37
CROPLAN SRW 8550	89.6		59.9		0	35	35
Beck 721	88.9		60.6		0	36	35
ARMOR ARW1716	88.9		62.4		0	32	32
Dyna-Gro 9862	88.8		61.0		3	34	36
X08C-1074-48-7-5	88.7		59.0		0	34	37
Go Wheat 2058	88.6		60.5		0	30	34

**Table 11** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2016 & 18*	2018	2016 & 18	2018	2018	2018
PROGENY PGX 16-7	88.3		61.1		1	34	32
ARMOR ARW1718	88.0		58.2		0	34	35
VA12W-31	87.6		61.8		0	32	35
Dyna-Gro WX17775	87.6		56.0		3	33	34
Pioneer variety 26R10	87.5	94.5	58.0	58.4	0	35	35
KAS 18X6	87.1		59.1		0	37	35
LCS L11719	87.1		59.4		0	32	34
X08C-1077-11-18-3	87.0		60.5		0	33	36
LCS L11551	86.9		62.4		0	31	34
KY06C-1178-16-17-3C	86.3		59.9		0	33	34
Dyna-Gro 9701	86.3		59.6		10	36	35
PROGENY #BOSS	86.2		56.4		0	33	34
ARMOR ARW1719	86.0		56.2		0	35	34
ARMOR ARW1727	85.8		57.1		0	33	35
ARMOR MAYHEM	85.6		57.8		0	37	36
Pioneer variety 26R41	84.9	91.7	59.0	59.8	0	32	35
SYNGENTA SY MISKIN	84.9		59.7		0	35	32
USG 3429	84.6		59.3		0	32	34
AgriMAXX 446	84.2	91.4	59.1	59.5	0	33	36
AgriMAXX 473	83.8		56.4		0	36	35
Dyna-Gro WX18724	83.6		58.9		0	35	35
VA12W-68	83.3		60.9		0	32	32
LCS Ammo	82.8		60.5		0	31	35
Dyna-Gro 9811	82.8		57.6		0	37	32
KAS 18X7	82.7		60.4		0	35	35
KY06C-1178-16-17-3F	82.7		60.1		0	33	34
PEMBROKE 2016	82.4	88.8	58.4	60.2	0	34	32
AgriMAXX Exp 1892	82.3		61.0		0	32	32
SYNGENTA SY 100	81.9		57.0		4	34	35
USG 3404	81.9	91.7	57.0	57.5	0	35	36
PROGENY PGX 17-20	81.9		60.5		0	34	35
Bess	80.1		60.4		0	36	35
KY06C-1178-16-10-3	79.7	88.8	60.3	60.5	5	36	35
Dyna-Gro 9522	79.3	88.8	58.0	58.3	0	33	36
CROPLAN SRW 9606	78.7		55.3		0	33	34
PEMBROKE 2008	78.2	84.7	59.7	60.4	0	32	30
PEMBROKE 2014	76.8	83.5	60.0	60.9	3	33	31
Pioneer variety 26R36	75.5	88.9	58.1	59.7	0	35	35
USG 3118	75.3		59.3		0	32	30
AgriMAXX 480	75.1		60.9		0	35	29
Clark	71.5		61.2		5	35	32
<b>AVERAGE</b>	<b>88.7</b>	<b>93.1</b>	<b>60.0</b>	<b>60.0</b>	<b>1</b>	<b>34</b>	<b>34</b>
C.V.	9.2	7.9					
LSD (0.10)	13.5	8.3					

**Location:** Todd Co.

**Planted:** 10-20-17; Conventional tillage

**Harvested:** 6-11-18

\*2017 results excluded due to freeze damage.

**Table 12. 2018 Kentucky Wheat Test - North Central Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
ARMOR ARW1766	89.3		57.1		5	33	38
Pioneer variety 26R10	82.2	85.9	56.4	57.3	0	32	40
Pioneer variety 26R59	82.2	83.7	57.1	57.4	0	30	39
AgriMAXX 446	82.1	80.9	58.4	57.7	16	31	40
AgriMAXX 438	81.1	82.5	56.2	57.2	45	33	40
Pioneer variety 26R36	80.5	83.7	58.3	57.7	14	33	40
PA 258 SR	79.5		58.1		30	32	41
SC 13S37TM	79.5	85.1	58.6	58.5	18	32	41
USG 3404	79.1	83.0	56.9	57.2	23	31	40
CROPLAN SRW 9415	79.0	80.9	57.8	57.6	10	31	40
KY06C-1178-16-10-3	78.4	82.6	57.2	57.5	28	33	39
Dyna-Gro WX18724	78.3		58.5		11	33	39
Beck 726	78.2		54.7		21	32	39
PROGENY PGX 17-20	77.8		57.6		29	33	39
KY06C-1178-16-17-3F	77.4		56.7		0	32	39
AgriMAXX 485	77.4	80.2	59.1	58.5	0	32	40
ARMOR MAYHEM	76.8	83.6	56.3	57.5	23	33	39
Go Wheat 2058	76.5	80.0	58.3	57.5	3	28	39
X08C-1074-48-7-5	76.5		58.0		6	34	40
PROGENY #BLAZE	76.3	83.5	55.3	56.5	26	33	39
Dyna-Gro 9862	76.2	81.9	58.5	58.1	0	32	41
AgriMAXX 486	76.0	79.3	58.7	57.9	6	32	40
PROGENY PGX 17-16	75.7		58.9		20	34	39
CROPLAN SRW 9606	75.4	81.7	56.3	56.7	8	31	38
AgriMAXX Exp 1884	75.2		54.6		14	31	38
KAS Roosevelt	75.2		53.7		44	33	39
KY06C-1178-16-17-3C	75.1		59.3		0	31	39
ARMOR ARW1727	75.1		58.0		30	33	39
PROGENY #BULLET	75.1	80.5	54.7	56.2	55	34	40
KAS 18X7	75.1		58.2		11	32	39
Dyna-Gro 9701	74.9	82.2	55.7	56.7	21	34	39
Dyna-Gro WX17775	74.6		53.6		58	32	39
KAS Lincoln	74.5		58.0		0	30	40
SC 13S26TM	74.2	77.1	56.1	56.5	33	31	40
PEMBROKE 2016	74.0	78.0	58.0	57.6	29	32	39
Beck 721	73.9		56.6		23	33	40
PROGENY #BOSS	73.7	80.1	53.9	54.9	19	31	38
USG 3329	73.2		54.8		43	33	39
SC EX308	73.1		54.4		44	34	38
PEMBROKE 2014	72.9	76.6	58.3	58.2	44	32	38
AgriMAXX 473	72.7	81.9	55.9	56.6	28	33	39
Dyna-Gro 9522	72.7	79.3	57.3	57.2	0	31	40
CROPLAN SRW 8550	72.6	77.9	56.8	57.2	43	34	39
AgriMAXX 454	72.3	77.9	57.3	57.4	10	31	40
KY07C-1145-94-12-5	72.2	78.4	56.2	57.8	18	32	38
KAS 18X6	72.2		59.3		14	34	39

**Table 12 (continued)**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2017-18	2018	2018	2018
USG 3316	71.9	75.5	57.5	57.6	19	31	40
AGS 2055	71.8	75.1	57.3	57.7	0	32	42
ARMOR RAGE	71.8	75.0	56.7	57.4	13	31	40
SYNGENTA SY VIPER	71.5	74.1	57.1	58.1	45	34	39
PEMBROKE 2008	70.8	70.5	58.0	58.2	21	30	38
ARMOR ARW1719	70.7		54.1		28	32	39
Pioneer variety 26R41	70.5	77.0	57.0	57.3	18	29	40
ARMOR ARW1726	70.1		58.2		38	33	39
X08C-1077-11-18-3	70.0	73.9	58.8	58.1	3	32	40
LCS L11551	69.8		59.0		10	31	40
KY05C-1105-43-6-1D	69.6		59.1		29	33	39
ARMOR ARW1718	69.5		54.1		44	33	40
LCS Ammo	69.1		56.5		25	31	40
SC EX328	68.4		53.9		44	31	39
PA 218 SR	68.2		54.5		45	33	38
SYNGENTA SY 547	67.7	71.5	58.7	58.0	31	33	39
Go Wheat 2059	67.6	78.1	55.3	56.0	25	32	39
AgriMAXX 463	67.4	78.9	54.3	55.3	26	31	39
SYNGENTA SY 100	66.6	77.0	53.2	54.4	23	30	41
KY09C-1245-99-15-1	65.4		58.7		15	30	39
EXPZ192	63.8		58.0		10	31	40
PROGENY #WARRIOR	63.7	74.8	55.7	56.2	0	28	40
Clark	62.9	60.7	57.0	57.2	20	38	38
KY09C-1245-99-8-5	62.9		57.6		5	31	40
ARMOR ARW1729	62.7		56.7		1	29	42
EXPZ152	62.6		56.0		34	29	39
Dyna-Gro 9811	62.4		56.4		19	31	39
LCS L11719	62.3		57.8		53	29	40
KY09C-1245-99-12-3	58.1		55.9		25	30	39
Truman	56.7	58.7	59.3	60.2	26	37	45
PROGENY PGX 16-7	56.3		58.6		18	29	39
USG 3118	56.1		58.0		20	28	39
AgriMAXX Exp 1892	56.1		57.3		25	28	39
Pioneer variety 26R45	56.1	69.4	55.1	55.9	29	30	42
Bess	55.9		56.7		38	33	40
AgriMAXX 480	54.5		57.9		19	32	37
VA12W-68	53.9	62.2	57.6	57.2	19	28	40
ARMOR ARW1716	53.6		57.8		35	28	39
USG 3429	53.1		58.0		15	26	42
SYNGENTA SY MISKIN	50.9		57.8		44	32	38
VA12W-31	49.8	62.7	58.6	58.2	0	27	40
<b>AVERAGE</b>	<b>70.3</b>	<b>77.3</b>	<b>56.9</b>	<b>57.3</b>	<b>21</b>	<b>32</b>	<b>39</b>
C.V.	7.8	9.6					
LSD (0.10)	9.1	8.3					

**Location:** Woodford Co.

**Planted:** 10-19-17; Conventional tillage

**Harvested:** 6-17-18

**Table 13. 2018 Kentucky Wheat Disease Ratings.**

VARIETY	Head Scab	Glume Blotch	Septoria*
AgriMAXX 438	5.0	2.3	4.3
AgriMAXX 446	7.3	4.3	6.0
AgriMAXX 454	4.8	2.3	5.5
AgriMAXX 463	1.8	2.0	5.3
AgriMAXX 473	5.0	5.5	5.5
AgriMAXX 480	6.3	2.8	7.5
AgriMAXX 485	3.8	6.0	4.5
AgriMAXX 486	5.5	5.0	5.0
AgriMAXX Exp 1884	6.5	6.8	5.5
AgriMAXX Exp 1892	6.0	5.3	5.3
AGS 2055	8.8	3.3	6.3
ARMOR ARW1716	6.0	5.5	5.5
ARMOR ARW1718	5.0	5.3	4.3
ARMOR ARW1719	6.0	5.3	4.3
ARMOR ARW1726	4.3	6.0	5.0
ARMOR ARW1727	4.5	6.5	5.8
ARMOR ARW1729	5.0	6.0	5.8
ARMOR ARW1766	7.8	3.8	4.5
ARMOR ARW1778	4.8	5.5	5.3
ARMOR MAYHEM	4.8	6.3	5.3
ARMOR RAGE	5.0	2.3	6.5
Beck 721	5.5	6.8	4.8
Beck 726	5.8	6.0	5.0
Bess	3.8	3.5	6.5
Clark	4.3	4.0	8.0
CROPLAN SRW 8550	5.0	5.5	4.5
CROPLAN SRW 9415	7.0	4.3	6.5
CROPLAN SRW 9606	7.8	3.5	8.5
Dyna-Gro 9522	5.0	2.0	5.5
Dyna-Gro 9701	5.3	4.5	4.5
Dyna-Gro 9811	6.5	3.0	3.5
Dyna-Gro 9862	3.8	5.8	4.5
Dyna-Gro WX17775	6.3	5.5	4.8
Dyna-Gro WX18724	4.5	6.0	7.0
EXPZ152	6.8	2.0	7.0
EXPZ192	5.0	3.5	5.0
Go Wheat 2058	6.0	4.0	6.3
Go Wheat 2059	2.0	2.0	5.0
KAS 18X6	4.8	6.8	5.8
KAS 18X7	5.0	6.0	5.5
KAS Lincoln	4.0	6.0	4.8
KAS Roosevelt	5.5	5.5	5.8
KY05C-1105-43-6-1D	5.8	3.3	7.3
KY06C-1178-16-10-3	5.5	2.5	6.5
KY06C-1178-16-17-3C	7.0	3.0	7.5
KY06C-1178-16-17-3F	6.0	2.0	7.8

VARIETY	Head Scab	Glume Blotch	Septoria*
KY07C-1145-94-12-5	5.8	2.3	6.3
KY09C-1245-99-12-3	7.0	3.5	5.8
KY09C-1245-99-15-1	7.5	4.8	5.3
KY09C-1245-99-8-5	7.5	4.3	6.0
LCS Ammo	6.3	3.5	5.8
LCS L11551	5.5	3.0	5.5
LCS L11719	7.5	3.5	7.5
PA 218 SR	5.3	4.3	5.5
PA 258 SR	3.8	5.5	5.0
PEMBROKE 2008	5.3	3.8	6.8
PEMBROKE 2014	6.0	4.3	6.3
PEMBROKE 2016	5.8	2.0	7.5
Pioneer variety 26R10	5.5	4.3	6.3
Pioneer variety 26R36	3.0	2.3	7.0
Pioneer variety 26R41	6.3	3.0	5.8
Pioneer variety 26R45	4.3	3.5	4.0
Pioneer variety 26R59	6.0	3.5	4.8
PROGENY #BOSS	6.8	2.5	6.8
PROGENY #BULLET	4.5	5.8	5.5
PROGENY #BLAZE	5.8	5.0	5.3
PROGENY PGX 16-7	7.0	5.0	6.8
PROGENY PGX 17-16	4.0	7.3	6.0
PROGENY PGX 17-20	5.3	6.0	6.0
PROGENY #WARRIOR	6.3	3.5	5.5
SC 13S26TM	4.8	2.3	6.0
SC 13S37TM	3.8	5.8	4.8
SC EX308	4.5	4.0	4.5
SC EX328	6.3	6.5	5.5
SYNGENTA SY 100	7.5	3.5	7.0
SYNGENTA SY 547	7.5	3.3	4.0
SYNGENTA SY MISKIN	7.8	2.8	5.8
SYNGENTA SY VIPER	5.8	2.5	4.8
Truman	2.0	3.5	5.0
USG 3118	7.0	4.5	7.3
USG 3316	5.0	2.3	5.8
USG 3329	5.0	4.0	5.5
USG 3404	6.0	2.5	5.5
USG 3429	4.3	2.5	3.8
VA12W-31	7.5	2.0	4.8
VA12W-68	6.8	4.0	6.0
X08C-1074-48-7-5	4.0	4.0	4.8
X08C-1077-11-18-3	5.5	3.5	5.0
<b>AVERAGE</b>	<b>5.5</b>	<b>4.1</b>	<b>5.7</b>

All diseases rated at Logan Co., KY Test  
 \*Leaf Blotch associated with primarily Septoria tritici  
 Disease Rating scale: 1 = resistant; 9 = susceptible.

**Table 14. 2018 Kentucky Hulless Barley Variety Test.**

VARIETY	Yield (Bu/A)*	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2018	2018	2018	2018
AMAZE 10	50.0	61.9	47.0	0	30	34
Doyce	41.8	54.7	45.0	0	32	31
Eve	35.3	50.8	48.0	0	30	30
Dan	35.0	52.6	47.5	0	32	34
<b>AVERAGE</b>	<b>40.5</b>	<b>55.0</b>	<b>46.9</b>	<b>0</b>	<b>31</b>	<b>32</b>

**Location:** Caldwell County, (Princeton, KY)

**Planted:** 10-6-17; No-Till

**Harvested:** 6-12-18

\* 60-lb standard bushel weight.

**Table 15. 2018 Kentucky Barley Variety Test.**

VARIETY	Yield (Bu/A)*	Yield (Bu/A)*	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2018	2017-18	2016-18	2018	2018	2018	2018
LCS Calypso**	78.0			38.3	0	31	35
FLAVIA**	77.8	97.8		39.7	0	25	38
VA11B-141 LA**	76.6			43.6	0	32	30
Secretariat**	72.4	88.4	92.8	44.2	0	26	31
Thoroughbred**	71.2	94.2	100.9	40.4	0	30	32
Barsoy	69.5	79.3	80.6	40.9	0	29	29
Price	64.1	95.3	97.5	44.8	0	25	30
Nomini	60.6	74.0	80.1	40.9	0	32	31
Callao	59.9	80.5	79.6	42.9	0	25	30
LCS Violetta**	59.5	85.4		40.0	0	26	36
Wysor	48.6	72.8	82.8	39.5	0	31	31
Atlantic	45.5	79.1	86.9	43.6	0	24	29
<b>AVERAGE</b>	<b>65.3</b>	<b>84.7</b>	<b>87.7</b>	<b>41.6</b>	<b>0</b>	<b>28</b>	<b>32</b>

**Location:** Caldwell County, (Princeton, KY)

**Planted:** 10-6-17; No-Till

**Harvested:** 6-12-18

\* 48-lb standard bushel weight.

\*\*Matling barley

**Table 16. 2018 Kentucky Cereal Rye Variety Test.**

VARIETY	2018 Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
KWS Bono**	77.0	54.2	0	51	39
KWS Gatano**	76.9	55.3	0	49	39
KWS Serafino**	74.6	55.1	0	52	39
KWS Brasetto**	74.2	57.3	0	52	39
KWS Dolaro**	72.7	55.3	0	49	40
KWS Daniello**	72.6	54.2	0	50	39
KWS Guttino**	69.8	58.7	0	50	40
SU Cossani**	66.3	54.5	1	53	38
SU Performer**	65.1	57.1	2	51	38
SU Mephisto**	61.5	54.1	4	51	38
GUVEST	54.7	56.9	1	51	39
BRAVEST	53.5	55.9	0	53	38
LAX Guardian	51.1	55.4	49	57	38
CCWRY1	50.8	54.0	48	57	38
Spooner	45.8	54.8	34	60	36
Aroostook	36.7	53.1	48	60	25
<b>AVERAGE</b>	<b>62.7</b>	<b>55.4</b>	<b>12</b>	<b>53</b>	<b>38</b>

**Planted:** 10-17-17

**Harvested:** 6-20-18 at Fayette Co., KY.

\*56-lb standard bushel weight

\*\* Hybrid cereal rye

**Table 17. 2018 Kentucky Triticale Variety Test.**

VARIETY	Grain Yield (Bu/A)*		Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > May 1
	2018	2017-18	2018	2018	2018	2018
LAX HY Octane	62.0	75.5	50.9	0	47	11
SS 1414	60.5	64.4	49.8	0	44	8
Trical Surge	45.9		46.0	3	53	11
Montech FX 1001	45.7		44.7	67	57	8
Trical 813	44.9		46.0	0	55	12
Trical 154	43.5	54.4	44.4	17	45	7
Trical Merlin Max	42.5		45.4	0	47	11
Arcia	40.3	52.5	46.0	0	46	7
Trical 336	38.3	55.5	41.7	0	45	9
Trical 815	36.3	51.3	41.9	0	47	10
Trical Flex 719	31.8		44.3	0	55	12
<b>AVERAGE</b>	<b>44.7</b>	<b>58.9</b>	<b>45.6</b>	<b>8</b>	<b>49</b>	<b>10</b>

**Planted:** 10-17-17

**Harvested:** 6-20-18 at Fayette Co., KY.

\* 60-lb standard bushel weight

**Table 18. 2018 Kentucky Oat Variety Test.**

VARIETY	Grain Yield (Bu/A)*		Test Wt. (Lb/bu)	Height (In)	Lodging (%)	Winter Survival
	2018	2017	2018	2018	2018	2018
NC12-3578	76.9	153.5	31.7	34	0	84
NC12-3447	64.6	157.2	30.2	34	0	71
SS 76-50	59.8	126.7	30.7	33	0	70
NC12-3922	53.7		30.9	32	0	71
NC09-4274N	50.7	100.9	32.6	33	0	75
CCBO4	41.3	110.0	25.4	33	19	41
Gerard 224	38.6	130.8	25.9	28	18	44
Gerard 229	35.4	138.4	26.5	30	0	51
RAM 99016	15.6	135.6	25.8	27	0	13
Horizon 306	13.0	130.3	22.3	27	0	18
CCBO3	12.9	134.3	22.8	26	5	9
Horizon 270	9.4		19.9	25	36	14
Maestro**						14
Mascani**						10
Tardis**						4
Griffin**						0
<b>AVERAGE</b>	<b>39.3</b>	<b>131.8</b>	<b>27.0</b>	<b>30.2</b>	<b>6.5</b>	<b>46.8</b>

**Planted:** 10-17-17

**Harvested:** 6-20-18 at Fayette Co., KY.

\* 32-lb standard bushel weight; Winter Survival (%)

\*\* Late Maturing European Oat - not harvested.



*Mention or display of a trademark, proprietary product, or firm in text or figures does not constitute an endorsement and does not imply approval to the exclusion of other suitable products or firms.*