

# 2016 Kentucky Small Grain

## VARIETY PERFORMANCE TEST

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

The 2016 soft red winter wheat growing season ended with Kentucky farmers harvesting 410,000 acres of the 550,000 acres planted, for a total production of 29.5 million bushels of grain. An average yield of 72 bushels per acre was expected (Table 1). 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 are continually 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

Ninety-seven wheat entries were evaluated under both conventional and no-till cultural practices. No-till tests were grown at three locations, and conventional tests were grown at four 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

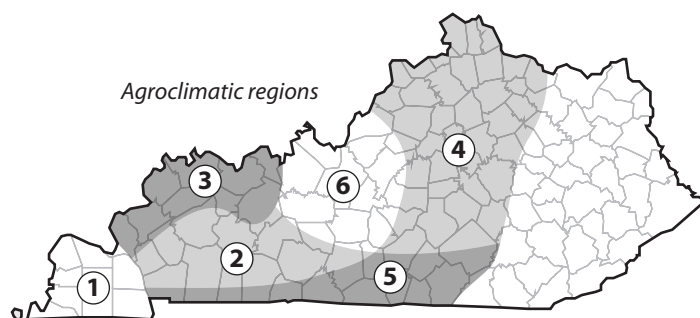
trimmed to 20 feet in length. Plots were harvested with a small plot combine. The preceding crop for all tests was corn.

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 but one (disease rating) test. An insecticide for aphid control was typically applied in the fall and spring. Nitrogen was applied

**Table 1. Wheat Acreage Harvested and Yields (bu/ac) in Kentucky, 2014-16.\***

2016		2015		2014	
Harvested	Yield	Harvested	Yield	Harvested	Yield
410,000	72	470,000	73	510,000	71

\*June 14, 2016, National Agricultural Statistics Service.



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

Region	Location	Cooperator	Crop Tested
1 Purchase	Ballard Co.	Tom Miller	No-till wheat
2 Western Coal Field	Caldwell Co.	Princeton Research and Education Ctr.	No-till wheat, barley
3 Ohio Valley	Union Co.	Randy Hagan	No-till wheat
4 Bluegrass	Fayette Co.	Kentucky Ag. Exp. Station	Wheat*, triticale, oat, cereal rye
5 Southern Tier	Logan Co.	Don Halcomb	Wheat*
	Trigg Co.	Ben Cundiff and Barry Alexander	Wheat*
6 North Central	Woodford Co.	UK Woodford Farm Shannon Rudd	Wheat*

\* Conventional tillage.

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: powdery mildew was rated at Woodford County; Septoria leaf blotch, leaf and stripe rust were recorded at the Logan County (non-fungicide) test. BYDV was observed at the Fayette and Woodford County locations, but not rated. 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 2016 Kentucky small grain variety tests were planted from October 6 to October 21. Warm temperatures in December accelerated growth and tillering. Typical weather conditions across the state were observed from June through April. Dry conditions during flowering minimized head scab pressure, but foliar diseases were widely reported across the state. Cool, wet conditions in May likely extended the seed filling period, but did not increase head scab pressure. Hot conditions in June favored rapid dry-down and timely harvest.

## Acknowledgments

Thanks to the following individuals for their support and assistance with this project: Kentucky Small Grain Growers Association, Ron Curd, Don Halcomb, Brian Rouse, Ben Cundiff, Barry Alexander, Tom Miller, Randy Hagan, Rankin Powell, Shannon Rudd, Cam Kenimer, Chad Lee, Dennis Egli, Bobby Orange, Joe Williams, Scott Peek, Michael Carter, Shawn Wood, Zeak Jamison, Jackie Harper, and the UK Wheat Science Group.

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## Wheat Varieties Tested in 2016

### AgriMAXX Wheat Co.

7167 HighbanksRd  
Mascoutak, IL 62258

AgriMAXX 415  
AgriMAXX 438  
AgriMAXX 444  
AgriMAXX 446  
AgriMAXX 452  
AgriMAXX 454  
AgriMAXX 463  
AgriMAXX 490  
AgriMAXX EXP 1670  
AgriMAXX EXP 1674

### Ag Alumni Seed

PO Box 158  
Romany, IN 47981

Ag 2650

### Armor Seed

PO Box 9  
Waldenburg, AR 72475

ARMOR ARW 1513  
ARMOR ARW 1516  
ARMOR ARW 1521  
ARMOR ARW 1551  
ARMOR INFERNO  
ARMOR RUMBLE

### Beck's Hybrids

6767 E. 276th  
Atlanta, IN 46031

BECK 114  
BECK 120  
BECK 123  
BECK 125  
BECK 128

### Winfield

15 Ringel Ave.  
Wabash, IN 46992

CROPLAN 9101  
CROPLAN 9201  
CROPLAN 9203  
CROPLAN SRW 9415

### Dupont Pioneer

59 Greif Parkway,  
Ste. 200  
Delaware, OH 43015

Pioneer variety 25R32  
Pioneer variety 26R10  
Pioneer variety 26R41  
Pioneer variety 26R53  
Pioneer variety 26R59  
Pioneer variety XW13W

### Dyna-Gro Seed

2760 Keller Rd.  
Owensboro, KY 43201

Dyna-Gro 9223  
Dyna-Gro 9522  
Dyna-Gro 9591  
Dyna-Gro 9600  
Dyna-Gro 9692  
Dyna-Gro WX 15742  
Dyna-Gro WX 16771

### Equity Seed

PO Box 978  
Westfield, IN 46074

Equity Brand Butler  
EXP DEI 16098

### Kentucky American Seeds, Inc.

205 Means Ave.  
Hopkinsville, KY 42240

KAS Liberty IV  
KAS Lowery  
KAS S1200  
KAS S2500  
SYNGENTA BRANSON

### Kentucky Foundation Seed Project

University of Kentucky  
PO Box 11950  
Lexington, KY 40579

KY06C-1178-16-10-3

### 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

L11419  
L11425  
L11541

### Progeny AG Products

1529 Hwy 193  
Wynne, AR 72396

PROGENY P 243  
PROGENY P 357  
PROGENY P 870  
PROGENY PGX 15-10  
PROGENY PGX 15-12  
PROGENY PGX 15-14  
PROGENY PGX 15-16

### Seed Consultants, Inc.

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

SC 1315-15™  
SC 1325-15™  
SC 1335-15™  
SC 13S26™  
SC EXP102™  
SC EXP142™

### Southern States Coop.

6606 W. Broad St.  
Richmond, VA 23230

SS 8340  
SS 8360  
SS 8513  
SS 8530  
SS 8700

### Steyer Seeds

PO Box 209  
Old Fort, OH 44861

STEYER EVANS  
STEYER MORRIN  
STEYER STex141  
STEYER STex142  
STEYER STex155

### Syngenta Seeds

14031 Trestle Rd.  
Highland, IL 62249

SYNGENTA SY 007  
SYNGENTA SY 483  
SYNGENTA SY 547  
SYNGENTA SY HARRISON  
SYNGENTA VIPER

### UniSouth Genetics

3205-C Hwy. 46S  
Dickson, TN 37055

USG 3013  
USG 3197  
USG 3404  
USG 3895

### University of Missouri

Columbia, MO 65211

Truman

### University of Tennessee

Knoxville, TN 37996

TN1102

### Virginia Tech

PO Box 338  
Warsaw, VA 22572

Hilliard  
VA 12W-72

## 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. Hulled Barley Variety Test
- Table 15. Barley Variety Test
- Table 16. Cereal Rye Variety Test
- Table 17. Triticale Variety Test
- Table 18. Oat Variety Test

**Table 3. 2016 Kentucky Wheat Test - Overall State Summary.\***

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
	2016	2015-16	2014-16	2016	2016	2016
AgriMAXX 463	94.5			57.2	35	25
USG 3404	94.1	92.3	94.2	57.2	38	28
AgriMAXX 438	93.4	92.9	94.7	57.3	38	27
Pioneer variety 26R41	92.3	89.1	92.0	58.6	36	26
AgriMAXX 446	92.1	91.9	95.5	58.1	36	27
AgriMAXX 444	91.9	91.2	94.1	57.0	37	27
Dyna-Gro 9223	91.9	90.2	94.0	57.3	38	27
SS 8360	91.8	90.9	94.8	58.3	36	28
USG 3895	91.5			56.9	35	26
Pioneer variety 26R10	91.4	90.4	93.7	57.9	36	27
ARMOR INFERNO	91.3	90.8	94.4	58.6	36	27
ARMOR ARW1516	91.1			55.2	37	25
Dyna-Gro 9522	91.0	89.4	92.7	57.3	37	27
CROPLAN 9101	90.9			57.4	37	25
HILLIARD	90.8	87.1		59.1	38	24
Pioneer variety XW13W	90.8	91.6		59.2	38	27
PROGENY PGX 15-14	90.5			56.7	36	26
PROGENY PGX 15-10	90.1			57.6	39	27
CROPLAN SRW 9415	90.1			58.3	36	27
Pioneer variety 26R59	89.5			57.4	34	26
ARMOR RUMBLE	89.3			57.9	40	27
USG 3197	89.3			56.7	38	25
CROPLAN 9201	89.1			58.3	37	28
BECK 120	88.9	88.7	93.2	55.4	35	25
EXP1060	88.5			57.8	39	26
AgriMAXX Exp. 1674	88.4			56.2	36	26
SS 8700	88.3	88.4	89.9	57.8	39	27
CROPLAN 9203	87.9			58.5	38	27
Dyna-Gro WX15742	87.9	85.2		56.8	38	25
USG 3013	87.6	88.8	92.7	57.6	38	27
BECK 125	87.3	86.6	90.3	58.2	38	27
SYNGENTA VIPER	87.3			59.8	40	24
Equity Brand Butler	87.2	87.9	88.5	58.1	39	28
Pioneer variety 26R53	87.2	84.9	88.5	59.4	35	26
EXP1074	87.2			58.7	37	26
KAS S1200	87.2	86.6	91.4	55.4	36	25
L11419	87.1			57.2	40	25
BECK 128	86.9	88.2		56.8	37	27
STEYER STex142	86.6	85.7		56.6	38	25
SS 8340	86.6	84.6	90.1	59.6	36	26
SC EXP102™	86.5			58.3	36	26
SYNGENTA SY HARRISON	86.4			56.6	37	27
SYNGENTA SY 547	86.1	86.1	90.2	57.9	39	25
ARMOR ARW1521	86.0			58.2	36	26
PROGENY P 870	85.9	86.1	90.5	55.2	35	26
AgriMAXX 454	85.8	88.0		56.3	37	27
Dyna-Gro 9591	85.7	84.2	88.1	58.5	38	25
KAS S2500	85.5			56.3	37	27
EXP1052	85.5			57.9	39	26
EXP1078	85.3			58.3	39	26

**Table 3 (continued)**

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
	2016	2015-16	2014-16	2016	2016	2016
PROGENY PGX 15-16	85.2			60.4	35	25
BECK 123	84.8	84.6		57.9	39	24
STEYER EVANS	84.7	87.2		56.6	38	27
BECK 114	84.7			59.1	40	26
PEMBROKE 2016	84.6	83.9	86.5	59.1	35	24
AgriMAXX 415	84.5	83.6	87.9	60.0	36	26
SS 8530	84.5	84.5		55.6	38	24
L11425	84.3			57.8	38	25
KAS Liberty IV	84.3	86.9		56.3	36	26
PROGENY P 357	84.2	86.1	90.5	55.3	37	27
SC 1335-15™	84.1	84.9	89.5	58.2	38	28
STEYER STex155	84.0			58.4	36	26
PROGENY PGX 15-12	84.0			57.3	35	22
ARMOR ARW1551	83.7			60.0	35	25
Dyna-Gro 9600	83.6	83.3		55.6	38	24
ARMOR ARW1513	83.4			56.5	37	27
L11541	83.3			58.5	36	27
Dyna-Gro 9692	83.1	86.6		56.1	37	27
SC 1315-15™	83.1	83.4		58.5	38	25
SYNGENTA SY 483	83.0	86.9	91.0	57.9	38	28
STEYER STex141	82.8			56.3	37	27
EXP1083	82.5			62.0	36	28
Dyna-Gro WX16771	82.4			58.0	36	26
SYNGENTA BRANSON	82.2	83.1		57.1	36	25
SC EXP142™	82.1			56.8	38	25
EXP1081	81.8			57.3	41	28
KY06C-1178-16-10-3	81.7			58.3	39	26
AgriMAXX 452	81.6			58.7	39	26
EXP DEI 16098	81.5			57.0	40	28
VA 12W-72	81.3			58.6	36	22
KAS Lowery	81.1	83.4		57.8	40	28
AgriMAXX Exp. 1670	80.9			60.2	39	24
SC 13S26™	80.8			56.1	38	27
Pioneer variety 25R32	80.8	81.7	85.1	59.1	38	28
PROGENY P 243	80.7			57.7	39	24
AgriMAXX 490	80.7			59.3	39	23
SC 1325-15™	80.6	81.7	88.4	56.6	36	25
STEYER MORRIN	80.6	85.2		57.8	38	28
SS 8513	80.3	80.2		58.5	38	21
TN1102	79.1			55.6	39	22
SYNGENTA SY 007	78.9	79.9	84.4	57.3	37	22
PEMBROKE 2014	78.5	79.9	84.4	58.9	35	22
Ag 2650	78.2			58.3	40	25
Truman	75.9	78.4	82.0	57.9	41	32
PEMBROKE 2008	75.8	78.3	82.5	58.0	36	21
EXP1053	75.4			57.8	38	22
EXP1072	73.2			58.2	36	20
<b>AVERAGE</b>	<b>85.4</b>	<b>86.1</b>	<b>90.2</b>	<b>57.7</b>	<b>37</b>	<b>26</b>
C.V.	7.6	7.7	7.7			
LSD (0.10)	4.0	7.6	6.4			

\* Summary of seven tests - (Caldwell, Woodford, Logan, Union, Trigg, Ballard, Fayette Co.).

**Table 4. 2016 Kentucky Wheat Forage Test.**

VARIETY	DM Yield* at Soft Dough Stage Tons/acre			Head Type
	2016	2015-16	2014-16	
L11541	4.31			Smooth
SC 13S26™	4.28			Bearded
BECK 125	4.05	3.72	4.31	Bearded
ARMOR ARW1513	3.98			Bearded
CROPLAN 9101	3.97			Bearded
Pioneer variety 26R10	3.86	3.82	4.17	Bearded
EXP1083	3.84			Smooth
EXP1060	3.83			Smooth
AgriMAXX 454	3.80	3.72		Bearded
EXP1078	3.80			Bearded
AgriMAXX 490	3.78			Bearded
USG 3404	3.73	3.52	3.77	Bearded
HILLIARD	3.71	3.42		Bearded
PEMBROKE 2016	3.70	3.63	3.72	Bearded
SS 8340	3.67	3.65	4.02	Bearded
SS 8700	3.65	3.67	3.99	Bearded
CROPLAN SRW 9415	3.63			Bearded
Pioneer variety 26R41	3.62	3.36	3.86	Bearded
AgriMAXX 415	3.60	3.56	3.79	Bearded
AgriMAXX 438	3.59	3.61	4.23	Smooth
SC 1335-15™	3.58	3.50	3.75	Bearded
Dyna-Gro 9223	3.57	3.63	4.08	Smooth
CROPLAN 9201	3.56			Bearded
PROGENY PGX 15-14	3.56			Tip-Awned
STEYER STex141	3.56			Bearded
STEYER STex142	3.56	3.42		Bearded
SS 8513	3.55	3.33		Tip-Awned
Dyna-Gro 9692	3.54	3.55		Bearded
L11425	3.53			Smooth
Pioneer variety 26R53	3.53	3.32	3.71	Bearded
BECK 128	3.52	3.47		Bearded
ARMOR INFERNO	3.51	3.40	3.82	Bearded
ARMOR ARW1551	3.50			Smooth
EXP1074	3.50			Bearded
KAS S2500	3.50			Bearded
ARMOR ARW1516	3.49			Bearded
EXP1052	3.47			Bearded
VA 12W-72	3.47			Bearded
AgriMAXX 463	3.42			Smooth
BECK 123	3.42	3.41		Bearded
L11419	3.42			Smooth
SC 1325-15™	3.42	3.31	3.72	Bearded
SYNGENTA SY 483	3.42	3.46	4.16	Smooth
USG 3895	3.42			Bearded
SYNGENTA SY HARRISON	3.41			Bearded
BECK 114	3.40			Smooth
STEYER STex155	3.40			Bearded
PROGENY PGX 15-16	3.39			Smooth
Equity Brand Butler	3.35	3.46	3.83	Smooth
STEYER EVANS	3.35	3.43		Bearded
USG 3013	3.35	3.49	3.96	Smooth

VARIETY	DM Yield* at Soft Dough Stage Tons/acre			Head Type
	2016	2015-16	2014-16	
PEMBROKE 2014	3.34	3.41	3.66	Bearded
SYNGENTA SY 547	3.34	3.37	3.96	Smooth
BECK 120	3.33	3.42	3.85	Bearded
TN1102	3.32			Bearded
USG 3197	3.32			Bearded
SC EXP142™	3.30			Bearded
AgriMAXX Exp. 1670	3.29			Smooth
SS 8360	3.29	3.28	3.91	Bearded
AgriMAXX 446	3.28	3.70	4.03	Bearded
PEMBROKE 2008	3.28	3.11	3.60	Bearded
Dyna-Gro 9522	3.27	3.50	4.14	Bearded
KAS Liberty IV	3.27	3.32		Bearded
SS 8530	3.26	3.26		Bearded
SC EXP102™	3.24			Bearded
ARMOR ARW1521	3.22			Bearded
Pioneer variety 25R32	3.22	3.22	3.32	Bearded
Dyna-Gro 9591	3.21	3.21	3.59	Bearded
KY06C-1178-16-10-3	3.21			Bearded
Ag 2650	3.19			Bearded
Dyna-Gro 9600	3.19	3.21		Bearded
Pioneer variety XW13W	3.19	3.26		Bearded
AgriMAXX 452	3.17			Smooth
PROGENY P 243	3.16	3.17		Bearded
AgriMAXX Exp. 1674	3.14			Smooth
EXP1053	3.13			Smooth
PROGENY PGX 15-10	3.11			Bearded
Dyna-Gro WX15742	3.09	3.05		Bearded
KAS Lowery	3.08	3.22		Smooth
Pioneer variety 26R59	3.08			Tip-Awned
SYNGENTA VIPER	3.07			Smooth
CROPLAN 9203	3.06			Smooth
EXP1072	3.05			Smooth
ARMOR RUMBLE	2.97			Bearded
EXP1081	2.97			Smooth
AgriMAXX 444	2.96	3.14	3.85	Bearded
EXP DEI 16098	2.95			Smooth
SC 1315-15™	2.94	3.27		Bearded
Dyna-Gro WX16771	2.92			Smooth
KAS S1200	2.91	3.16	3.48	Bearded
PROGENY P 870	2.91	3.28	3.59	Bearded
PROGENY P 357	2.90	3.42	3.87	Bearded
SYNGENTA BRANSON	2.77	2.95		Tip-Awned
PROGENY PGX 15-12	2.75			Smooth
SYNGENTA SY 007	2.73	2.91	3.30	Bearded
Truman	2.69	2.83	3.28	Smooth
STEYER MORRIN	2.64	3.25		Smooth
<b>AVERAGE</b>	<b>3.37</b>	<b>3.38</b>	<b>3.82</b>	
C.V.	13.71	12.06	13.67	
LSD (0.10)	0.77	0.48	0.47	

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

**Planting date:** 10-9-15

**Harvest date:** 5-23-16

\*DM=Dry Matter Yield

**Table 5. 2016 Kentucky Wheat Straw Test.**

VARIETY	DM Yield* Tons/acre		
	2016	2015-16	2014-16
CROPLAN 9201	3.01		
EXP DEI 16098	2.87		
ARMOR ARW1516	2.62		
SC 13S26™	2.60		
SC 1335-15™	2.58	1.77	1.67
Ag 2650	2.56		
ARMOR ARW1513	2.52		
L11541	2.51		
L11419	2.47		
HILLIARD	2.45	1.77	
ARMOR RUMBLE	2.42		
Dyna-Gro 9522	2.41	1.59	1.53
KAS Lowery	2.40	1.75	
BECK 114	2.35		
PROGENY PGX 15-10	2.35		
KAS S2500	2.34		
SS 8700	2.34	1.79	1.61
EXP1081	2.29		
AgriMAXX 438	2.27	1.50	1.47
AgriMAXX 452	2.24		
Dyna-Gro 9223	2.24	1.65	1.56
VA 12W-72	2.23		
EXP1078	2.22		
AgriMAXX Exp. 1674	2.21		
CROPLAN SRW 9415	2.21		
Pioneer variety XW13W	2.19	1.45	
STEYER MORRIN	2.19	1.42	
Pioneer variety 26R10	2.17	1.37	1.26
STEYER EVANS	2.17	1.37	
BECK 123	2.16	1.52	
KAS S1200	2.16	1.47	1.34
STEYER STex141	2.16		
EXP1083	2.14		
Pioneer variety 26R59	2.14		
EXP1060	2.12		
ARMOR ARW1551	2.10		
SS 8530	2.09	1.36	
SYNGENTA SY 547	2.09	1.43	1.34
PEMBROKE 2014	2.05	1.57	1.41
Dyna-Gro WX16771	2.04		
Pioneer variety 26R41	2.03	1.31	1.20
Truman	2.03	1.70	1.56
SYNGENTA SY 483	2.01	1.59	1.63
BECK 128	2.00	1.39	
AgriMAXX 415	1.99	1.44	1.28
SS 8340	1.99	1.53	1.44
ARMOR INFERNO	1.98	1.38	1.34
EXP1052	1.98		
Dyna-Gro 9600	1.97	1.29	
Dyna-Gro 9692	1.97	1.38	
PROGENY P 243	1.97	1.47	
SYNGENTA VIPER	1.97		

VARIETY	DM Yield* Tons/acre		
	2016	2015-16	2014-16
AgriMAXX 446	1.96	1.27	1.28
PROGENY PGX 15-16	1.94		
SS 8360	1.93	1.43	1.37
USG 3013	1.93	1.45	1.50
AgriMAXX 444	1.90	1.49	1.36
CROPLAN 9101	1.90		
Equity Brand Butler	1.89	1.37	1.36
SYNGENTA SY HARRISON	1.89		
PROGENY P 870	1.87	1.48	1.38
SS 8513	1.86	1.48	
Dyna-Gro WX15742	1.83	1.45	
L11425	1.83		
KAS Liberty IV	1.80	1.30	
SC EXP102™	1.80		
USG 3895	1.79		
EXP1053	1.78		
Pioneer variety 25R32	1.78	1.13	0.93
USG 3404	1.78	1.35	1.33
Dyna-Gro 9591	1.76	1.36	1.21
SC 1325-15™	1.76	1.18	1.11
PROGENY PGX 15-14	1.75		
EXP1074	1.74		
PEMBROKE 2016	1.74	1.36	1.25
BECK 125	1.73	1.10	1.13
PEMBROKE 2008	1.70	1.34	1.23
KY06C-1178-16-10-3	1.67		
AgriMAXX 463	1.66		
AgriMAXX 454	1.63	1.20	
Pioneer variety 26R53	1.63	1.11	1.09
SYNGENTA SY 007	1.62	1.21	1.18
ARMOR ARW1521	1.61		
PROGENY P 357	1.59	1.16	1.22
TN1102	1.58		
SC EXP142™	1.57		
SC 1315-15™	1.56	1.44	
SYNGENTA BRANSON	1.55	1.14	
AgriMAXX Exp. 1670	1.50		
BECK 120	1.50	1.20	1.19
AgriMAXX 490	1.47		
EXP1072	1.47		
USG 3197	1.45		
STEYER STex155	1.43		
STEYER STex142	1.40	1.03	
PROGENY PGX 15-12	1.37		
CROPLAN 9203	1.17		
<b>AVERAGE</b>	<b>1.99</b>	<b>1.41</b>	<b>1.34</b>
C.V.	28.26	28.98	26.03
LSD (0.10)	0.93	0.55	0.38

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

**Planting date:** 10-9-15

**Harvest date:** 6-20-16

\* Dry Matter straw yield following grain harvest

**Table 6. 2016 Kentucky Wheat Test - Purchase Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
USG 3404	116.4	98.8	57.8	59.8	39	26
Pioneer variety XW13W	114.5	98.7	60.2	61.6	40	26
Dyna-Gro WX15742	114.4	92.9	57.0	59.3	41	23
Dyna-Gro 9223	114.2	98.5	57.9	59.7	40	25
STEYER STex155	113.0		59.3		38	25
AgriMAXX 438	112.3	96.4	58.3	60.2	39	25
Dyna-Gro 9522	112.1	94.4	57.3	59.6	39	26
ARMOR ARW1516	111.8		55.8		38	24
CROPLAN 9203	111.6		59.0		40	25
ARMOR ARW1513	111.5		58.5		39	26
AgriMAXX 444	111.0	93.0	57.5	59.7	39	26
BECK 128	111.0	96.8	58.2	59.3	38	26
SS 8360	110.9	95.4	59.2	60.9	38	26
AgriMAXX 446	110.9	102.0	58.7	60.7	38	26
BECK 125	110.8	91.1	60.1	62.1	41	26
SC EXP102™	110.6		59.3		38	24
ARMOR INFERNO	110.1	94.4	59.7	61.5	38	26
PROGENY P 870	110.1	90.5	57.2	59.3	37	24
Pioneer variety 26R41	109.9	93.3	60.5	62.3	38	25
USG 3895	109.9		57.1		36	26
PROGENY PGX 15-14	109.9		57.4		39	25
SYNGENTA SY HARRISON	109.6		57.7		39	25
SC 13S26™	109.6		58.1		40	26
USG 3197	109.1		57.8		40	24
STEYER STex142	108.7	91.7	57.6	59.9	40	24
AgriMAXX 454	108.7	92.5	57.9	60.2	38	26
KAS S1200	108.7	90.9	57.5	59.5	38	23
HILLIARD	108.6	91.0	59.8	62.0	41	24
Dyna-Gro 9692	108.3	93.8	58.0	60.3	39	26
PROGENY P 357	108.2	93.4	57.1	59.0	40	25
CROPLAN SRW 9415	108.0		59.4		37	26
EXP1060	107.9		59.4		40	24
AgriMAXX Exp. 1674	107.9		56.5		38	24
EXP1074	107.7		60.5		40	25
AgriMAXX 463	106.9		58.2		36	23
SYNGENTA SY 483	106.8	90.7	58.4	61.0	41	26
ARMOR ARW1521	106.8		58.9		38	25
CROPLAN 9101	106.3		58.4		39	24
Pioneer variety 26R10	106.2	94.2	58.5	60.1	38	26
ARMOR RUMBLE	106.1		58.8		42	25
USG 3013	105.5	95.3	59.3	60.1	39	26
Pioneer variety 26R59	105.4		58.3		36	25
BECK 120	104.6	91.8	57.1	59.4	37	24
STEYER STex141	104.6		57.9		39	26
SYNGENTA SY 547	104.3	89.0	58.3	61.0	41	23
Dyna-Gro 9591	104.1	88.8	60.4	62.2	39	23
Dyna-Gro WX16771	103.7		58.9		36	25
BECK 114	103.6		59.0		42	25
PROGENY PGX 15-10	102.8		58.4		40	25
Equity Brand Butler	102.4	89.4	59.7	60.7	40	26
L11541	102.0		59.4		38	25



**Table 6** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
L11419	101.6		58.7		43	23
EXP1078	101.4		58.0		42	24
EXP1052	101.3		59.2		41	25
AgriMAXX 490	101.2		61.1		42	21
AgriMAXX Exp. 1670	101.2		61.3		40	21
SS 8340	101.2	82.7	61.0	62.7	38	24
Dyna-Gro 9600	100.8	87.3	57.8	60.5	40	24
Pioneer variety 25R32	100.7	85.2	60.4	62.7	40	27
KAS S2500	100.6		58.1		39	26
EXP1083	100.5		63.4		37	27
SC 1335-15™	100.5	83.2	60.2	62.0	39	27
SS 8700	100.2	89.1	60.0	61.9	39	26
PROGENY PGX 15-16	99.6		61.1		37	24
AgriMAXX 452	99.5		58.9		42	24
SYNGENTA BRANSON	99.5	86.4	58.3	60.5	38	23
SYNGENTA VIPER	99.5		60.5		43	23
SYNGENTA SY 007	99.3	88.8	59.1	61.3	40	20
SS 8530	99.2	86.1	57.2	60.1	39	24
STEYER EVANS	99.1	87.0	57.4	59.6	39	26
Truman	99.0	83.6	58.1	60.8	44	30
CROPLAN 9201	98.6		60.3		37	27
Ag 2650	98.3		59.4		42	25
Pioneer variety 26R53	97.7	86.1	59.8	61.7	38	26
KAS Lowery	97.2	86.6	59.1	60.6	40	27
SC EXP142™	97.0		58.3		40	24
SC 1315-15™	96.9	88.5	59.9	62.1	40	23
L11425	95.9		59.0		40	24
EXP1081	95.8		58.1		42	27
EXP DEI 16098	95.7		58.4		42	27
KAS Liberty IV	95.5	84.3	58.5	60.4	38	24
SC 1325-15™	95.1	81.5	58.2	60.5	37	24
PEMBROKE 2016	95.0	78.7	60.3	62.2	38	23
AgriMAXX 415	94.8	79.1	59.8	62.1	38	25
SS 8513	94.6	83.5	59.1	61.2	41	21
KY06C-1178-16-10-3	94.5		59.6		41	26
ARMOR ARW1551	94.2		60.9		36	24
EXP1053	94.0		57.4		41	20
TN1102	93.9		56.8		42	22
STEYER MORRIN	93.5	83.3	58.0	59.6	39	27
VA 12W-72	93.2		59.9		39	23
PROGENY PGX 15-12	92.5		58.6		37	21
PEMBROKE 2014	91.3	81.3	57.9	61.4	37	21
PEMBROKE 2008	90.8	81.1	59.8	61.5	39	20
EXP1072	88.0		59.0		38	19
BECK 123	86.6	81.9	59.4	61.3	41	23
PROGENY P 243	85.2	78.1	59.2	61.0	42	23
<b>AVERAGE</b>	<b>103.0</b>	<b>89.2</b>	<b>58.8</b>	<b>60.8</b>	<b>39</b>	<b>25</b>
C.V.	7.4	8.0				
LSD (0.10)	12.5	8.7				

**Location:** Ballard Co.; Lodging=0%

**Planting date:** 10-12-15; No-Till

**Harvest date:** 6-14-16

**Table 7. 2016 Kentucky Wheat Test - Western Coal Field Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
Equity Brand Butler	96.5	92.7	57.4	58.7	40	25
EXP1060	96.4		56.5		40	23
ARMOR RUMBLE	96.0		56.8		42	23
ARMOR ARW1513	92.8		56.3		39	25
KAS S2500	92.5		57.2		40	25
SS 8700	92.5	95.1	57.1	59.8	41	25
CROPLAN SRW 9415	92.4		58.4		38	25
PROGENY PGX 15-10	92.1		56.0		42	25
USG 3895	91.8		56.1		36	25
AgriMAXX 446	91.6	89.3	58.2	60.3	38	25
Dyna-Gro 9223	91.5	89.5	56.7	58.8	41	25
SYNGENTA SY 547	91.5	91.9	57.1	60.1	42	21
Pioneer variety XW13W	91.5	86.7	58.7	60.9	40	25
SYNGENTA SY 483	91.4	93.1	57.4	59.6	42	25
AgriMAXX 438	91.3	90.8	56.0	58.8	39	24
SS 8360	91.1	89.9	58.3	60.5	37	25
PROGENY PGX 15-14	90.7		56.5		37	23
AgriMAXX 463	90.2		55.0		36	22
USG 3404	90.2	90.7	56.1	59.1	39	25
HILLIARD	90.0	86.2	58.6	60.8	40	22
CROPLAN 9101	90.0		57.1		38	22
BECK 128	89.9	91.1	57.6	59.8	40	24
USG 3197	89.8		56.8		41	22
Dyna-Gro 9692	89.8	89.7	57.2	59.5	40	24
Pioneer variety 26R10	89.6	89.7	57.4	60.2	37	25
Pioneer variety 25R32	89.5	88.0	57.9	60.8	40	26
L11425	89.5		57.4		40	23
EXP1083	89.3		62.2		37	25
EXP1074	89.2		58.9		40	24
SC 1335-15™	89.1	88.3	57.2	60.4	41	25
Dyna-Gro 9522	89.1	87.8	57.3	59.6	41	25
BECK 114	88.8		58.7		43	23
STEYER EVANS	88.8	90.8	56.4	59.2	39	25
Pioneer variety 26R59	88.5		58.1		35	23
Dyna-Gro WX15742	88.4	87.5	56.4	58.8	40	22
BECK 120	88.4	86.7	54.8	58.1	37	22
STEYER STex141	88.4		56.2		39	25
SC EXP142™	88.0		56.4		41	22
KAS Liberty IV	87.8	90.9	55.8	58.9	39	23
SYNGENTA VIPER	87.8		59.2		41	23
ARMOR ARW1521	87.7		56.3		38	22
SYNGENTA SY HARRISON	87.7		56.9		39	24
USG 3013	87.6	87.3	57.5	59.5	41	25
SC 13S26™	87.5		57.2		40	24
STEYER MORRIN	87.3	84.9	57.5	58.8	40	25
EXP DEI 16098	87.2		57.4		43	25
EXP1081	86.9		56.7		43	25
CROPLAN 9201	86.9		58.4		38	26
ARMOR ARW1516	86.7		54.3		38	22
SC 1315-15™	86.4	84.5	58.9	61.4	42	21
ARMOR INFERNO	86.4	87.5	57.5	59.7	37	25
STEYER STex142	86.3	89.2	55.9	58.8	40	22

**Table 7** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
BECK 125	85.9	85.9	57.2	60.2	39	25
Dyna-Gro 9600	85.8	88.2	57.6	59.7	41	22
SS 8530	85.7	85.5	56.9	59.4	41	22
AgriMAXX 454	85.6	88.8	56.9	59.5	39	24
L11419	85.6		56.5		43	22
CROPLAN 9203	85.6		58.5		40	24
KAS S1200	85.5	84.2	54.6	57.8	38	22
PROGENY P 870	85.3	84.1	55.3	58.2	36	23
SC EXP102™	85.3		58.0		37	22
TN1102	85.2		55.3		42	20
PROGENY P 357	84.9	87.3	55.0	57.7	39	24
SC 1325-15™	84.6	84.7	56.4	59.2	37	23
L11541	84.3		58.8		37	24
AgriMAXX 444	84.1	89.3	55.0	58.7	38	24
SYNGENTA SY 007	83.8	80.7	57.4	59.8	40	18
Pioneer variety 26R41	83.8	84.4	58.2	61.1	36	24
PROGENY PGX 15-16	83.3		58.7		36	23
Dyna-Gro WX16771	83.2		57.3		37	22
PROGENY PGX 15-12	83.1		57.1		37	19
AgriMAXX 415	83.0	84.4	59.9	62.0	38	24
Ag 2650	83.0		58.1		42	24
STEYER STex155	82.6		57.7		36	22
KAS Lowery	82.5	84.7	57.3	59.3	40	26
AgriMAXX 452	82.4		58.4		42	23
SYNGENTA BRANSON	82.4	86.9	56.9	59.4	39	21
Dyna-Gro 9591	82.2	83.0	58.1	60.7	40	21
AgriMAXX Exp. 1674	82.1		56.0		37	23
EXP1053	81.8		57.2		41	19
KY06C-1178-16-10-3	81.7		57.9		42	24
PEMBROKE 2016	81.7	86.1	59.2	61.5	38	22
AgriMAXX Exp. 1670	81.6		59.0		40	21
PROGENY P 243	80.8	81.2	57.7	60.0	42	21
BECK 123	80.6	80.7	57.2	59.5	42	21
EXP1052	80.5		58.2		39	24
ARMOR ARW1551	80.1		58.2		36	23
Pioneer variety 26R53	79.9	79.7	59.1	61.4	37	24
SS 8513	78.7	82.9	58.6	60.3	42	20
EXP1078	78.3		57.4		41	24
EXP1072	78.2		57.3		39	17
VA 12W-72	77.5		57.4		38	22
PEMBROKE 2008	75.6	79.1	57.6	60.4	38	18
PEMBROKE 2014	75.1	76.9	58.4	61.1	37	21
AgriMAXX 490	74.6		58.2		43	19
Truman	73.0	74.2	56.2	58.0	42	30
<b>AVERAGE</b>	<b>86.2</b>	<b>86.6</b>	<b>57.3</b>	<b>59.7</b>	<b>39</b>	<b>23</b>
C.V.	6.1	6.7				
LSD (0.10)	8.7	6.8				

**Location:** Caldwell Co. (Princeton, KY); Lodging = 0%

**Planting date:** 10-6-15; No-Till

**Harvest date:** 6-12-16

**Table 8. 2016 Kentucky Wheat Test - Ohio Valley Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
AgriMAXX 463	113.2		60.7		37	26
CROPLAN 9101	112.2		60.0		38	26
AgriMAXX 438	112.0	100.7	60.2	60.2	40	28
Pioneer variety 26R41	111.4	98.6	60.1	60.1	37	28
L11419	111.0		60.5		43	26
Equity Brand Butler	110.9	99.1	59.2	59.4	40	29
PROGENY PGX 15-14	110.3		59.0		37	27
ARMOR ARW1516	110.2		57.1		37	26
CROPLAN 9203	109.9		60.7		38	28
USG 3895	109.6		57.9		36	28
Pioneer variety 26R10	109.0	98.5	59.6	60.1	37	29
USG 3013	108.7	96.5	60.0	60.1	40	28
PROGENY PGX 15-10	108.1		61.2		40	28
USG 3197	107.9		60.5		39	26
ARMOR RUMBLE	107.8		61.3		40	27
USG 3404	107.7	102.0	59.5	60.0	40	29
BECK 114	107.5		61.6		42	28
AgriMAXX Exp. 1674	107.4		58.1		38	27
EXP1060	107.4		59.6		42	27
CROPLAN 9201	107.3		60.0		37	30
Dyna-Gro 9223	107.1	95.9	59.9	60.2	39	28
AgriMAXX 444	107.0	100.7	59.6	60.4	39	28
Pioneer variety 26R59	107.0		58.3		34	27
SYNGENTA VIPER	106.6		62.6		41	26
KAS S2500	106.5		58.1		38	29
SC EXP102™	106.5		60.8		37	26
Dyna-Gro WX16771	105.7		60.4		38	27
Dyna-Gro WX15742	105.5	91.8	59.9	59.0	40	27
AgriMAXX 454	105.4	98.4	57.3	59.3	37	29
SS 8360	105.4	95.7	59.7	60.1	38	29
KAS Liberty IV	105.3	98.4	59.1	58.8	39	27
EXP DEI 16098	105.3		57.1		39	29
STEYER STex142	105.2	93.2	59.7	59.2	40	26
ARMOR INFERNO	104.7	94.6	60.3	60.5	37	28
Dyna-Gro 9692	104.6	97.9	57.2	59.3	37	28
L11425	104.4		60.3		39	27
Pioneer variety 26R53	104.3	95.6	61.3	61.7	36	27
Pioneer variety XW13W	104.0	101.6	60.2	60.8	38	29
STEYER STex141	104.0		57.4		39	29
BECK 123	103.7	88.7	60.0	60.1	42	25
AgriMAXX 446	103.7	91.8	59.6	60.1	38	29
ARMOR ARW1521	103.5		61.1		37	27
PROGENY PGX 15-16	103.5		62.7		36	27
SYNGENTA SY HARRISON	102.4		57.7		38	28
ARMOR ARW1551	102.3		62.7		35	26
PROGENY PGX 15-12	102.1		60.4		36	23
SS 8700	102.1	94.7	61.2	60.1	40	28
EXP1052	102.0		59.4		39	28
PEMBROKE 2016	101.9	89.9	61.9	61.3	36	26
PROGENY P 243	101.8	91.3	59.9	60.3	41	25
BECK 128	101.4	96.2	59.6	60.4	38	29

**Table 8** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
SS 8513	101.3	88.1	61.1	61.5	41	24
STEYER STex155	101.3		60.8		37	26
AgriMAXX 415	101.3	89.5	62.0	62.2	37	27
BECK 120	100.8	90.5	57.7	57.9	37	26
SS 8340	100.6	94.2	61.2	61.7	37	27
Dyna-Gro 9522	100.5	97.4	59.3	59.9	38	29
SC 13S26™	100.3		58.2		38	28
EXP1074	100.1		61.7		37	28
CROPLAN SRW 9415	100.1		60.2		37	28
SYNGENTA BRANSON	99.6	88.8	59.5	60.2	39	25
HILLIARD	99.4	91.3	60.4	60.8	40	26
Dyna-Gro 9591	99.0	88.3	60.7	60.8	38	26
EXP1078	98.9		60.6		41	28
AgriMAXX Exp. 1670	98.7		63.0		41	25
SC EXP142™	98.5		59.4		39	26
AgriMAXX 452	98.2		62.1		40	27
BECK 125	98.0	92.9	59.5	60.2	39	29
SYNGENTA SY 483	97.8	93.5	61.2	60.6	38	29
KAS S1200	97.6	90.3	58.7	58.6	35	27
PROGENY P 357	97.6	93.4	57.6	58.3	37	28
SYNGENTA SY 547	97.4	86.5	59.9	60.4	41	25
PROGENY P 870	97.4	90.9	56.9	57.8	36	27
STEYER EVANS	97.2	97.2	59.3	59.8	39	29
KAS Lowery	96.9	91.7	59.3	60.7	41	30
AgriMAXX 490	96.6		62.5		40	23
ARMOR ARW1513	96.6		57.4		37	28
STEYER MORRIN	96.5	94.6	60.0	60.1	38	29
VA 12W-72	95.8		61.5		37	25
SC 1325-15™	95.5	86.1	58.9	59.2	37	27
Pioneer variety 25R32	95.3	91.1	61.5	61.3	38	30
Truman	95.1	91.6	62.4	61.5	43	33
SC 1335-15™	95.0	91.4	60.2	60.5	39	29
SC 1315-15™	94.8	82.9	59.9	59.9	39	26
SS 8530	93.9	87.3	56.8	58.1	39	26
KY06C-1178-16-10-3	93.7		60.0		40	27
Ag 2650	93.7		59.5		43	27
Dyna-Gro 9600	92.8	85.9	56.7	57.9	38	25
L11541	90.6		59.6		34	28
PEMBROKE 2008	90.6	83.3	60.3	61.1	38	23
EXP1081	90.1		58.8		43	29
SYNGENTA SY 007	90.0	83.3	58.4	59.3	39	23
EXP1053	89.9		62.1		39	23
PEMBROKE 2014	89.6	83.2	61.9	61.7	35	24
TN1102	88.4		58.2		41	24
EXP1083	86.0		62.2		36	29
EXP1072	80.4		61.2		38	21
<b>AVERAGE</b>	<b>101.4</b>	<b>92.7</b>	<b>59.9</b>	<b>60.1</b>	<b>38</b>	<b>27</b>
C.V.	6.7	6.7				
LSD (0.10)	11.1	7.4				

**Location:** Union Co.; Lodging = 0%

**Planting date:** 10-7-15; No-Till

**Harvest date:** 6-13-16

**Table 9. 2016 Kentucky Wheat Test - Bluegrass Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
CROPLAN 9201	78.7		57.8		34	32
ARMOR ARW1516	76.0		54.3		32	28
AgriMAXX Exp. 1674	75.7		55.4		33	30
HILLIARD	73.3	72.6	57.3	57.9	34	28
ARMOR INFERNO	72.9	75.1	56.0	56.9	32	31
EXP1060	72.7		56.7		33	29
EXP1052	72.1		55.7		34	29
AgriMAXX 438	71.2	76.6	55.8	56.2	34	31
AgriMAXX 446	71.0	74.1	55.4	56.4	32	32
Dyna-Gro 9591	71.0	72.3	57.1	57.1	32	29
Pioneer variety 26R10	70.5	74.6	56.5	56.9	31	31
USG 3404	70.0	73.8	56.0	56.9	33	32
USG 3895	70.0		54.7		30	30
PROGENY PGX 15-10	69.9		55.3		35	30
SS 8700	69.1	72.5	57.0	56.2	34	31
Dyna-Gro 9223	69.0	71.6	56.0	56.5	33	31
Pioneer variety 26R59	68.9		56.0		28	30
AgriMAXX 463	68.8		54.4		29	28
BECK 128	68.8	72.5	55.8	56.6	32	32
SS 8360	68.8	71.0	55.8	56.7	30	32
Dyna-Gro 9522	68.8	72.7	55.5	56.6	32	32
AgriMAXX 444	67.7	72.4	54.8	56.2	31	32
CROPLAN SRW 9415	67.6		55.7		32	32
AgriMAXX 415	67.4	70.9	58.4	59.0	31	30
BECK 114	67.3		57.7		35	30
AgriMAXX 454	66.9	74.0	55.4	56.7	32	31
BECK 125	66.2	69.9	56.6	56.5	33	31
ARMOR ARW1513	66.1		55.1		32	31
EXP1074	66.0		56.1		31	30
CROPLAN 9101	65.9		55.1		31	30
ARMOR RUMBLE	65.8		55.4		36	31
EXP1078	65.8		56.6		35	30
PROGENY PGX 15-14	65.8		55.4		31	30
BECK 120	65.6	72.6	53.3	54.7	30	30
Pioneer variety 26R41	65.5	68.0	55.8	56.2	29	30
SC EXP102™	65.0		56.5		32	30
CROPLAN 9203	65.0		56.4		33	31
SYNGENTA SY 547	65.0	71.5	56.4	57.4	33	29
SYNGENTA VIPER	64.6		57.9		34	26
SC 1315-15™	64.5	67.7	57.0	57.2	31	29
SS 8340	64.4	68.7	57.7	58.6	31	30
EXP1081	63.9		57.3		37	31
KAS S2500	63.7		55.5		32	31
AgriMAXX 452	63.5		57.6		33	30
ARMOR ARW1551	63.3		59.2		29	29
Pioneer variety 26R53	63.2	66.7	56.4	57.7	29	29
L11541	63.1		57.1		31	30
AgriMAXX Exp. 1670	62.5		58.9		33	27
EXP1083	62.4		61.1		31	31
Pioneer variety XW13W	62.3	71.1	57.1	57.3	32	31
BECK 123	62.1	66.9	54.9	56.1	33	29

**Table 9** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
ARMOR ARW1521	62.1		56.4		31	29
AgriMAXX 490	62.1		57.1		33	26
STEYER STex141	61.1		55.7		30	31
Dyna-Gro 9692	61.0	68.0	55.7	56.5	30	31
SYNGENTA SY HARRISON	61.0		55.1		30	31
KAS S1200	60.7	68.8	52.6	54.4	30	30
USG 3013	60.5	67.9	55.1	56.1	32	31
PEMBROKE 2016	60.1	64.0	55.8	56.5	28	27
STEYER EVANS	59.9	70.4	55.1	56.5	32	31
STEYER STex142	59.5	65.8	52.9	54.5	32	28
VA 12W-72	59.2		56.8		31	26
KAS Liberty IV	59.1	65.2	53.0	54.1	29	30
L11419	59.1		54.8		34	29
SC 1335-15™	59.1	67.2	56.7	56.9	33	31
KAS Lowery	58.6	62.9	56.5	57.6	36	31
PROGENY P 243	58.3	67.2	54.1	55.9	31	28
PROGENY P 357	58.0	67.3	54.1	54.9	31	31
SC EXP142™	57.7		53.9		31	29
STEYER MORRIN	57.7	72.0	55.7	57.1	33	32
Truman	57.3	62.7	56.5	58.0	36	35
Dyna-Gro 9600	57.1	60.5	51.1	53.5	31	28
SYNGENTA BRANSON	57.0	64.7	55.0	55.8	31	29
L11425	56.6		55.0		31	30
PROGENY PGX 15-16	56.3		58.4		29	29
USG 3197	56.0		53.1		31	28
SC 13S26™	55.4		54.4		32	31
Dyna-Gro WX15742	55.3	62.4	53.7	54.3	31	29
Ag 2650	55.1		56.6		35	28
EXP DEI 16098	55.1		55.1		36	32
PROGENY P 870	55.0	66.7	52.5	54.0	29	30
Pioneer variety 25R32	55.0	61.0	58.3	57.9	32	31
SC 1325-15™	55.0	64.7	54.0	55.1	31	29
Equity Brand Butler	54.8	65.3	56.5	56.9	35	32
SS 8530	54.3	63.1	52.9	54.9	30	27
KY06C-1178-16-10-3	54.1		55.6		31	30
STEYER STex155	53.9		56.4		29	30
PEMBROKE 2014	53.0	60.4	56.2	57.2	27	26
EXP1072	53.0		55.6		29	25
PROGENY PGX 15-12	52.8		54.3		27	26
SS 8513	52.2	62.3	56.5	57.7	30	25
TN1102	51.4		53.2		32	26
SYNGENTA SY 483	50.9	64.9	55.6	56.5	31	32
Dyna-Gro WX16771	50.7		56.1		30	30
SYNGENTA SY 007	47.8	57.9	54.4	56.0	30	26
EXP1053	47.2		54.8		30	27
PEMBROKE 2008	46.2	58.6	54.3	56.7	30	26
<b>AVERAGE</b>	<b>62.1</b>	<b>68.0</b>	<b>55.7</b>	<b>56.4</b>	<b>32</b>	<b>30</b>
C.V.	9.7	8.5				
LSD (0.10)	9.9	6.5				

**Location:** Fayette Co. (Lexington, KY); Lodging = 0%

**Planting date:** 10-9-15; Conventional tillage

**Harvest date:** 6-20-16

**Table 10. 2016 Kentucky Wheat Test - Southern Tier Region A.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016	2016
PROGENY PGX 15-12	90.7		57.1		0	38	19
SS 8340	90.2	97.0	59.4	61.3	0	37	23
Pioneer variety 26R41	88.6	98.1	58.1	60.1	0	40	23
AgriMAXX 463	88.5		55.7		0	39	22
PROGENY PGX 15-14	87.8		56.0		0	38	23
USG 3197	87.2		57.2		0	39	22
HILLIARD	86.2	96.6	59.6	60.8	0	42	21
SS 8513	85.8	90.4	58.5	59.4	11	40	18
VA 12W-72	85.6		58.3		0	39	19
TN1102	85.2		55.8		15	41	20
ARMOR ARW1516	85.2		54.8		0	39	22
Pioneer variety XW13W	85.1	101.7	59.8	61.2	0	39	24
Dyna-Gro WX15742	84.8	92.7	57.7	59.0	0	40	22
STEYER STex142	84.6	93.7	57.1	58.5	0	39	22
EXP1078	83.5		59.0		3	39	22
USG 3404	82.8	93.5	57.0	58.8	0	40	25
USG 3895	82.7		58.0		0	39	22
ARMOR ARW1521	82.1		57.9		0	38	23
CROPLAN 9101	81.7		57.0		0	38	22
SC EXP102™	80.7		57.1		0	38	22
ARMOR RUMBLE	80.5		57.4		0	39	23
PROGENY P 870	79.7	94.1	54.2	56.7	0	39	23
SYNGENTA BRANSON	79.7	91.3	56.4	58.9	0	37	21
Equity Brand Butler	79.6	91.8	57.1	58.1	0	41	25
SS 8360	79.5	97.8	57.7	59.8	0	38	24
AgriMAXX 444	79.3	93.0	57.3	59.0	0	38	24
AgriMAXX 415	79.2	97.5	59.9	61.5	0	35	23
SS 8530	79.1	95.7	55.1	57.6	0	39	21
Dyna-Gro 9522	79.0	94.7	56.9	58.8	0	38	24
KAS S1200	79.0	91.8	54.4	56.5	0	39	22
PROGENY PGX 15-16	78.9		60.3		0	38	22
BECK 123	78.2	93.9	58.3	59.7	0	39	21
SYNGENTA SY HARRISON	78.1		55.6		0	38	23
BECK 120	77.9	93.2	54.9	57.0	0	37	22
SYNGENTA VIPER	77.8		58.8		0	41	21
Dyna-Gro 9223	77.8	94.5	55.3	58.1	0	37	23
L11541	77.6		58.0		13	40	23
SC 1335-15™	77.4	93.3	57.3	59.5	0	39	25
Ag 2650	77.2		56.9		0	40	22
STEYER MORRIN	77.0	96.7	56.3	57.8	0	42	25
PEMBROKE 2008	77.0	88.6	58.1	60.0	0	37	17
AgriMAXX 446	76.7	95.4	57.5	59.2	0	38	24
AgriMAXX 438	76.7	97.6	54.0	57.2	0	39	24
PEMBROKE 2014	76.6	89.8	59.7	61.4	0	39	20
EXP1074	76.4		57.4		0	40	23
ARMOR INFERNO	76.4	98.9	58.8	60.3	0	38	23
PROGENY PGX 15-10	76.4		56.8		0	38	23
SC 1315-15™	76.3	90.8	57.9	60.1	0	40	22
AgriMAXX 490	76.1		58.4		0	41	20
PROGENY P 243	76.0	95.3	57.5	59.6	0	39	22
Pioneer variety 26R53	75.9	89.4	59.5	60.9	0	37	22



**Table 10** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016	2016
EXP DEI 16098	75.9		56.4		0	39	24
STEYER EVANS	75.8	92.0	56.0	58.4	0	39	24
PEMBROKE 2016	75.7	93.6	58.0	60.1	0	39	21
L11419	75.4		56.0		0	39	22
STEYER STex155	75.3		57.8		0	39	22
Dyna-Gro 9591	75.3	89.8	57.5	60.0	0	40	22
CROPLAN 9203	75.1		57.5		0	37	23
Pioneer variety 26R10	75.0	91.7	57.0	59.3	0	38	24
SC EXP142™	74.6		57.0		0	39	22
SYNGENTA SY 007	74.6	83.5	56.8	59.0	0	40	19
SYNGENTA SY 547	74.6	87.6	57.5	59.4	0	40	21
ARMOR ARW1551	73.9		58.8		0	39	22
Pioneer variety 26R59	73.5		56.2		0	40	23
SS 8700	73.5	89.6	54.4	57.4	0	40	23
CROPLAN SRW 9415	73.4		57.2		0	37	24
Dyna-Gro WX16771	73.2		57.0		0	40	23
USG 3013	72.9	91.9	56.0	58.0	0	38	23
AgriMAXX Exp. 1674	72.7		55.7		0	38	23
BECK 125	72.6	92.2	56.2	58.7	0	39	24
SC 1325-15™	71.8	85.6	55.6	57.7	0	37	22
Dyna-Gro 9600	71.5	82.6	54.1	57.0	0	41	21
KY06C-1178-16-10-3	70.7		57.4		1	37	22
EXP1083	70.5		59.9		0	37	25
EXP1052	70.2		57.3		5	41	24
Truman	69.7	83.6	56.0	58.3	0	41	29
EXP1072	69.7		57.7		1	38	17
Pioneer variety 25R32	69.0	85.8	57.1	59.7	0	38	25
CROPLAN 9201	69.0		53.8		0	38	25
KAS Liberty IV	68.8	94.1	54.7	57.6	0	37	22
BECK 128	68.3	89.5	53.7	57.6	0	36	24
SYNGENTA SY 483	68.2	89.2	56.0	58.1	0	39	24
EXP1060	68.0		56.9		13	38	23
KAS Lowery	68.0	89.6	54.4	57.8	3	39	25
L11425	67.4		56.3		4	39	22
PROGENY P 357	67.2	92.6	52.9	55.9	0	38	23
EXP1081	66.9		55.8		15	38	25
KAS S2500	66.8		51.7		0	39	24
Dyna-Gro 9692	66.4	93.1	51.7	56.5	0	38	24
EXP1053	66.3		57.0		1	38	19
STEYER STex141	66.1		52.6		0	39	24
BECK 114	66.0		57.3		0	39	23
ARMOR ARW1513	66.0		55.3		0	40	24
SC 13S26™	65.9		51.4		0	40	24
AgriMAXX 452	65.4		56.1		0	39	23
AgriMAXX 454	63.5	91.0	52.6	55.8	0	38	24
AgriMAXX Exp. 1670	63.1		58.8		1	39	21
<b>AVERAGE</b>	<b>75.9</b>	<b>92.3</b>	<b>56.7</b>	<b>58.8</b>	<b>1</b>	<b>39</b>	<b>23</b>
C.V.	9.8	9.0					
LSD (0.10)	12.3	9.1					

**Location:** Logan Co.  
**Planting date:** 10-14-15; Conventional tillage  
**Harvest date:** 6-13-16

**Table 11. 2016 Kentucky Wheat Test - Southern Tier Region B.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016	2016
CROPLAN SRW 9415	106.9		61.1		0	38	26
AgriMAXX 438	104.1	103.6	59.6	59.5	0	41	26
USG 3895	103.4		59.0		0	36	23
USG 3197	103.0		58.2		1	40	24
KAS Liberty IV	102.5	102.2	58.9	57.5	4	39	24
AgriMAXX 444	102.4	104.8	58.3	58.5	0	40	26
BECK 123	102.3	103.7	59.2	59.0	1	41	23
Pioneer variety 26R53	102.3	100.7	61.5	60.8	0	37	24
Pioneer variety XW13W	102.2	105.7	61.2	60.0	0	40	25
L11419	102.0		58.4		1	42	24
Dyna-Gro 9223	101.9	101.5	58.7	58.3	6	40	25
USG 3404	101.6	102.9	58.1	58.2	0	40	26
Pioneer variety 26R10	101.4	101.6	58.8	58.5	0	38	26
USG 3013	101.4	103.9	59.3	59.2	10	41	26
ARMOR ARW1516	101.2		56.7		0	37	24
SS 8360	101.0	105.7	60.2	59.8	9	38	26
BECK 120	100.8	104.6	57.3	56.2	0	37	24
CROPLAN 9203	100.5		59.4		0	40	25
SYNGENTA SY 547	100.5	102.3	60.0	59.3	0	41	24
PROGENY PGX 15-14	100.5		58.3		0	36	25
SC EXP142™	100.5		60.0		0	41	23
SYNGENTA BRANSON	99.6	97.9	59.4	58.2	0	38	24
KAS S2500	99.4		58.2		0	40	25
Dyna-Gro WX15742	99.2	101.5	59.5	58.0	5	40	24
SYNGENTA SY HARRISON	99.2		58.3		0	38	26
SYNGENTA SY 483	98.8	104.0	60.0	58.9	0	40	27
AgriMAXX 454	98.8	100.8	58.3	58.6	0	40	26
AgriMAXX 446	98.6	105.8	59.9	59.5	0	37	26
Pioneer variety 26R41	98.5	97.5	60.6	59.0	0	37	25
PROGENY P 357	98.4	92.6	56.6	54.7	0	38	25
Dyna-Gro 9522	98.3	96.6	58.7	57.7	0	39	26
AgriMAXX 463	98.3		59.9		0	37	23
SS 8530	98.3	97.5	56.7	56.8	15	39	22
Dyna-Gro 9600	98.1	100.3	57.7	57.1	5	40	23
L11541	98.1		59.6		6	36	25
KY06C-1178-16-10-3	98.0		60.6		0	43	24
ARMOR RUMBLE	98.0		58.8		1	42	25
SC 1315-15™	97.9	101.4	60.6	60.1	0	40	24
Equity Brand Butler	97.5	102.1	59.8	59.3	0	41	26
SYNGENTA VIPER	97.5		61.0		4	42	22
ARMOR INFERNO	97.4	101.5	59.9	59.4	0	39	25
PROGENY PGX 15-10	97.0		58.9		0	41	25
SC 1335-15™	96.8	99.3	60.2	59.6	0	40	26
Dyna-Gro 9591	96.8	96.2	59.6	59.2	13	40	24
SYNGENTA SY 007	96.7	98.7	60.7	59.5	0	39	22
EXP DEI 16098	96.6		58.4		0	43	26
PROGENY P 870	96.5	99.1	57.8	56.3	0	37	25
KAS S1200	96.4	101.2	57.6	56.6	0	37	24
AgriMAXX Exp. 1674	96.3		57.5		0	36	25
CROPLAN 9201	96.2		60.1		0	38	26
AgriMAXX 452	96.2		60.0		3	41	24

**Table 11** (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016	2016
EXP1060	96.0		59.2		16	40	25
ARMOR ARW1521	95.8		60.1		0	36	25
PROGENY P 243	95.7	101.9	59.4	58.8	15	41	23
EXP1083	95.6		64.0		0	37	27
KAS Lowery	95.4	100.3	60.1	60.5	0	43	26
BECK 114	95.4		60.5		1	43	25
PEMBROKE 2016	95.3	98.4	62.0	59.8	8	38	22
BECK 128	95.3	98.4	57.5	58.2	3	40	26
STEYER EVANS	95.3	95.6	57.9	57.6	3	40	26
STEYER STex141	95.2		58.0		0	39	26
STEYER STex142	94.8	97.6	58.9	57.5	0	39	23
SS 8340	94.8	95.4	61.6	60.6	1	38	25
Pioneer variety 26R59	94.6		59.0		0	35	25
AgriMAXX 415	94.4	92.5	61.8	61.1	0	38	25
BECK 125	94.4	95.6	60.6	59.6	6	40	26
HILLIARD	94.3	97.5	60.4	58.9	0	40	23
SC EXP102™	93.8		59.6		0	38	25
SS 8700	93.7	93.8	59.1	57.3	1	40	25
CROPLAN 9101	93.7		58.1		13	39	24
SC 13S26™	93.7		58.1		0	40	26
EXP1078	93.7		60.3		1	41	24
SC 1325-15™	93.6	94.6	59.3	57.6	0	39	25
AgriMAXX 490	93.5		61.7		20	41	22
STEYER STex155	93.3		59.9		0	37	25
Dyna-Gro WX16771	93.0		59.9		0	38	25
EXP1074	92.7		61.1		0	39	25
L11425	92.2		60.2		18	41	24
PROGENY PGX 15-16	91.8		62.7		0	37	24
STEYER MORRIN	91.5	94.1	60.4	59.6	0	40	26
EXP1052	91.3		60.4		0	40	25
PEMBROKE 2008	91.2	92.5	61.1	60.0	0	39	22
VA 12W-72	90.6		60.4		0	39	20
AgriMAXX Exp. 1670	90.5		62.7		3	41	23
ARMOR ARW1513	90.2		56.9		0	38	27
PEMBROKE 2014	90.1	96.1	61.7	60.5	0	38	21
ARMOR ARW1551	89.9		61.5		0	36	24
EXP1081	88.1		57.7		14	42	26
EXP1053	86.5		60.0		0	40	21
Truman	85.8	92.6	58.4	59.4	8	42	31
Ag 2650	85.8		60.1		4	42	23
Dyna-Gro 9692	85.1	94.8	56.6	57.7	8	39	26
PROGENY PGX 15-12	84.5		59.5		0	37	21
EXP1072	83.6		60.9		0	37	18
Pioneer variety 25R32	83.1	89.1	59.8	59.7	0	39	27
TN1102	82.7		57.7		18	41	22
SS 8513	80.6	81.2	59.8	57.2	24	39	19
<b>AVERAGE</b>	<b>95.7</b>	<b>98.8</b>	<b>59.5</b>	<b>58.7</b>	<b>3</b>	<b>39</b>	<b>24</b>
C.V.	6.3	6.8					
LSD (0.10)	9.9	7.7					

**Location:** Trigg Co.

**Planting date:** 10-21-15; Conventional tillage

**Harvest date:** 6-14-16

**Table 12. 2016 Kentucky Wheat Test - North Central Region.**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
AgriMAXX 463	95.9		56.2		34	28
AgriMAXX 446	92.6	85.2	57.5	57.7	36	31
AgriMAXX 444	92.1	85.3	56.8	57.7	37	31
ARMOR INFERNO	91.4	83.6	58.1	57.9	34	31
USG 3404	90.2	84.2	56.3	56.8	36	32
Dyna-Gro 9522	89.3	82.3	56.1	56.8	36	31
Pioneer variety 26R41	88.7	83.7	57.1	57.7	34	30
Pioneer variety 26R10	88.5	82.4	57.8	58.3	35	31
Pioneer variety 26R59	88.5		55.6		32	30
Pioneer variety 26R53	87.4	76.4	58.3	58.2	33	30
CROPLAN 9201	87.3		58.1		37	32
SS 8700	86.9	84.1	56.0	56.5	38	31
CROPLAN 9101	86.8		56.3		36	30
AgriMAXX 438	86.2	84.3	57.2	58.2	37	31
SS 8360	85.8	81.0	57.0	58.0	34	32
PROGENY PGX 15-10	84.5		56.6		38	31
L11425	84.4		56.5		35	28
BECK 120	84.3	81.3	53.0	54.5	33	29
HILLIARD	83.7	74.8	58.0	58.2	34	26
BECK 125	83.3	78.9	57.5	57.3	37	32
PROGENY PGX 15-16	82.8		58.8		34	29
PEMBROKE 2016	82.8	76.5	56.3	56.9	33	26
KAS S1200	82.4	79.4	52.8	55.0	34	29
CROPLAN SRW 9415	82.1		56.4		36	31
PROGENY PGX 15-12	82.1		53.9		33	24
ARMOR ARW1551	81.9		58.6		33	29
Dyna-Gro 9223	81.7	79.8	56.5	57.2	37	31
SS 8530	80.8	76.4	53.6	55.3	37	27
EXP1052	80.6		55.4		37	29
EXP1081	80.5		56.5		42	32
BECK 123	79.8	76.1	56.5	56.4	36	28
Dyna-Gro 9600	78.8	78.5	54.4	56.6	35	27
KY06C-1178-16-10-3	78.8		57.0		36	29
EXP1074	78.4		55.4		35	29
PROGENY P 870	77.6	77.3	52.8	54.8	33	30
SYNGENTA VIPER	77.5		58.5		38	25
AgriMAXX Exp. 1674	76.9		54.4		34	31
STEYER EVANS	76.8	77.0	54.4	56.2	36	31
USG 3013	76.7	78.5	56.4	57.0	36	30
Pioneer variety XW13W	75.9	75.6	57.3	57.1	35	30
EXP1078	75.5		56.0		37	29
L11419	75.1		55.6		39	30
PROGENY P 357	75.1	76.1	54.1	55.4	36	31
PEMBROKE 2014	73.7	71.3	56.5	57.1	32	24
BECK 128	73.3	73.0	55.7	56.6	36	32
USG 3895	73.3		55.6		32	30
EXP1083	73.0		61.0		36	32
Pioneer variety 25R32	72.9	71.5	58.5	58.7	38	32
USG 3197	72.3		53.4		37	30
AgriMAXX 454	72.0	71.0	55.8	56.8	35	32
AgriMAXX 415	71.5	71.1	58.1	59.2	35	31

**Table 12 (continued)**

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2016	2015-16	2016	2015-16	2016	2016
Dyna-Gro 9591	71.4	70.8	56.4	56.7	37	29
EXP1060	71.3		56.2		37	31
ARMOR RUMBLE	71.0		56.8		38	32
KAS Liberty IV	71.0	73.0	54.1	55.2	32	30
SC 1335-15™	70.5	71.8	55.8	56.1	36	32
KAS S2500	69.2		55.5		35	32
SYNGENTA SY 547	69.2	73.8	55.8	57.3	37	30
KAS Lowery	69.1	68.1	57.7	58.7	40	31
AgriMAXX Exp. 1670	69.0		58.1		37	28
Equity Brand Butler	69.0	74.9	57.3	57.6	37	32
SC 1325-15™	69.0	74.4	53.5	55.1	34	30
SS 8513	69.0	73.3	56.2	57.5	35	24
PROGENY PGX 15-14	68.8		54.5		34	31
STEYER STex155	68.6		56.8		34	31
SS 8340	68.6	67.0	57.9	58.0	34	31
Dyna-Gro WX16771	67.7		56.6		34	31
CROPLAN 9203	67.6		57.7		36	32
Dyna-Gro WX15742	67.5	67.5	53.7	55.1	36	30
L11541	67.5		57.3		34	32
PROGENY P 243	67.5	68.6	56.3	56.6	36	29
STEYER STex142	67.4	68.7	54.0	54.5	36	30
SYNGENTA SY 483	67.3	73.2	56.8	58.0	37	32
VA 12W-72	67.3		56.2		32	22
SYNGENTA SY HARRISON	66.8		55.0		35	31
TN1102	66.7		52.3		37	24
ARMOR ARW1516	66.5		53.3		34	30
Dyna-Gro 9692	66.5	69.2	56.2	57.3	34	31
AgriMAXX 452	65.8		58.0		39	31
SC 1315-15™	64.8	67.8	55.7	57.2	35	30
ARMOR ARW1521	64.3		56.6		33	31
BECK 114	64.1		58.6		38	31
SC EXP102™	63.8		56.9		33	31
EXP1053	62.4		55.9		36	27
AgriMAXX 490	60.9		56.3		37	27
STEYER MORRIN	60.8	71.1	56.6	57.6	37	32
ARMOR ARW1513	60.7		55.8		35	32
STEYER STex141	60.6		56.1		34	32
SYNGENTA SY 007	60.3	66.5	54.4	55.7	35	27
EXP1072	59.8		55.8		32	23
PEMBROKE 2008	58.9	64.7	55.1	56.5	33	25
SC EXP142™	58.4		52.8		35	30
SYNGENTA BRANSON	57.8	66.0	54.4	56.3	34	30
EXP DEI 16098	55.0		56.3		39	32
Ag 2650	54.2		57.8		37	29
SC 13S26™	53.3		55.2		34	31
Truman	51.0	60.8	57.7	57.6	38	34
<b>AVERAGE</b>	<b>73.7</b>	<b>75.0</b>	<b>56.1</b>	<b>56.9</b>	<b>35</b>	<b>30</b>
C.V.	7.8	8.1				
LSD (0.10)	9.5	7.0				

**Location:** Woodford Co.; Lodging = 0%  
**Planting date:** 10-16-15; Conventional tillage  
**Harvest date:** 6-20-16

**Table 13. 2016 Kentucky Wheat Disease Ratings.**

VARIETY	Stripe Rust	Leaf Rust	Leaf Blotch	Powdery Mildew
Ag 2650	1.7	2.7	4.5	8.5
AgriMAXX 415	2.3	3.7	4.5	5.0
AgriMAXX 438	1.7	5.7	6.5	7.8
AgriMAXX 444	3.0	2.7	4.5	5.3
AgriMAXX 446	3.3	4.3	4.8	6.8
AgriMAXX 452	8.3	1.3	4.5	6.5
AgriMAXX 454	7.7	3.3	4.5	7.5
AgriMAXX 463	2.3	2.7	4.0	5.5
AgriMAXX 490	7.0	1.3	4.5	4.8
AgriMAXX Exp. 1670	8.7	7.0	4.8	7.3
AgriMAXX Exp. 1674	3.7	3.3	3.0	2.8
ARMOR ARW1513	7.0	4.3	3.8	7.3
ARMOR ARW1516	1.3	3.0	4.8	6.8
ARMOR ARW1521	1.7	1.7	4.8	5.5
ARMOR ARW1551	1.3	1.0	3.8	1.5
ARMOR INFERNO	2.0	5.0	6.3	7.0
ARMOR RUMBLE	3.0	1.3	4.3	6.8
BECK 114	6.0	2.0	4.5	6.3
BECK 120	1.0	3.3	4.8	4.3
BECK 123	5.0	3.7	3.3	4.3
BECK 125	5.7	1.3	5.3	5.5
BECK 128	7.7	4.3	4.3	7.8
Clark	5.7	5.7	8.3	7.5
CROPLAN 9101	3.7	1.0	6.3	5.8
CROPLAN 9201	8.3	3.0	5.0	3.3
CROPLAN 9203	1.7	4.7	6.5	8.5
CROPLAN SRW 9415	3.0	4.3	5.3	7.0
Dyna-Gro 9223	2.0	5.7	6.3	7.8
Dyna-Gro 9522	2.0	3.7	5.0	5.3
Dyna-Gro 9591	3.3	1.7	6.0	5.8
Dyna-Gro 9600	7.0	1.7	4.5	3.3
Dyna-Gro 9692	7.0	4.3	4.3	7.0
Dyna-Gro WX15742	4.7	1.0	6.3	4.3
Dyna-Gro WX16771	2.0	1.7	5.8	5.8
Equity Brand Butler	3.0	1.0	4.0	6.0
EXP DEI 16098	5.3	2.7	4.5	4.8
EXP1052	4.3	4.0	5.8	3.0
EXP1053	4.3	1.3	7.0	4.3
EXP1060	8.3	3.0	4.3	4.3
EXP1072	5.7	2.0	5.5	2.8
EXP1074	6.0	1.7	6.0	3.5
EXP1078	3.7	1.7	4.3	5.0
EXP1081	6.7	2.3	6.3	2.8
EXP1083	7.3	3.0	4.3	2.0
HILLIARD	2.7	1.0	4.0	1.5
KAS Liberty IV	2.3	8.7	7.5	3.8
KAS Lowery	8.3	1.0	5.0	6.3
KAS S1200	1.3	2.7	4.8	5.3
KAS S2500	8.0	3.7	4.3	7.0
KY06C-1178-16-10-3	7.0	2.7	4.3	2.8
L11419	6.0	4.7	4.5	4.0

VARIETY	Stripe Rust	Leaf Rust	Leaf Blotch	Powdery Mildew
L11425	8.3	3.3	4.3	5.8
L11541	1.3	1.0	2.8	1.3
PEMBROKE 2008	3.0	3.7	8.5	3.0
PEMBROKE 2014	1.3	4.7	5.5	2.0
PEMBROKE 2016	5.3	1.7	4.8	4.8
Pioneer variety 25R32	1.0	3.0	4.3	3.3
Pioneer variety 26R10	3.0	6.0	6.5	5.5
Pioneer variety 26R41	1.0	1.7	5.3	4.5
Pioneer variety 26R53	1.3	2.0	4.3	5.0
Pioneer variety 26R59	2.3	4.3	3.8	1.8
Pioneer variety XW13W	2.7	1.3	4.3	8.3
PROGENY P 243	6.0	3.3	3.0	5.5
PROGENY P 357	4.0	5.0	5.5	7.0
PROGENY P 870	1.3	2.7	4.8	5.3
PROGENY PGX 15-10	1.3	1.7	4.0	3.5
PROGENY PGX 15-12	3.3	1.3	3.5	3.5
PROGENY PGX 15-14	3.3	4.0	3.0	3.0
PROGENY PGX 15-16	1.7	1.0	4.3	2.8
SC 1315-15™	5.0	1.7	6.0	6.0
SC 1325-15™	7.0	2.3	5.0	6.3
SC 1335-15™	6.0	1.3	6.0	5.3
SC 13S26™	8.3	4.0	4.5	8.5
SC EXP102™	1.7	3.7	4.5	6.3
SC EXP142™	5.0	1.0	5.8	4.5
SS 8340	2.3	5.0	4.5	5.8
SS 8360	2.3	4.7	4.8	6.8
SS 8513	2.3	6.0	3.3	2.0
SS 8530	4.3	1.3	3.3	4.0
SS 8700	3.3	4.7	3.8	3.3
STEYER EVANS	1.7	3.7	5.0	5.5
STEYER MORRIN	2.7	2.0	3.5	7.5
STEYER STex141	7.3	4.3	4.5	7.5
STEYER STex142	5.3	2.0	7.3	4.5
STEYER STex155	1.0	3.0	5.0	6.0
SYNGENTA BRANSON	3.3	2.3	5.3	3.5
SYNGENTA SY 007	2.0	3.0	8.3	3.0
SYNGENTA SY 483	3.0	3.3	5.0	2.5
SYNGENTA SY 547	4.7	1.7	3.3	2.0
SYNGENTA SY HARRISON	3.0	5.7	4.3	7.0
SYNGENTA VIPER	1.7	4.7	4.0	5.0
TN1102	8.7	2.0	6.5	2.8
Truman	3.0	3.3	7.3	4.8
USG 3013	1.0	6.3	7.0	8.5
USG 3197	5.7	1.0	7.0	5.3
USG 3404	2.7	3.3	4.8	5.0
USG 3895	1.0	1.0	5.5	4.8
VA 12W-72	1.0	1.0	4.0	1.5
<b>AVERAGE</b>	<b>4.0</b>	<b>3.0</b>	<b>5.0</b>	<b>5.0</b>

Powdery mildew rated at Woodford Co. location  
 Septoria leaf blotch, leaf and stripe rust rated at Logan Co.  
 Disease Rating scale: 1 = resistant; 9 = susceptible

**Table 14. 2016 Kentucky Hulless Barley Variety Test.**

VARIETY	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
VA14H-110	73.9	51.0	0	42	15
VA14-111	67.1	50.6	0	39	15
Dan	64.0	50.4	0	38	15
Eve	64.0	50.0	0	35	16
VA07H-35WS	62.4	51.7	0	39	15
Amaze 10	60.6	51.4	0	40	16
VA14H-201WS	60.3	51.7	0	39	16
VA13H-25	56.9	49.3	0	36	15
VA14H-198WS	53.5	51.3	0	39	15
Doyce	52.4	44.4	0	38	15
<b>AVERAGE</b>	<b>61.5</b>	<b>50.2</b>	<b>0</b>	<b>38</b>	<b>15</b>

\* 60-lb standard bushel weight

**Location:** Caldwell County, (Princeton, KY)**Planting date:** 10-6-15; No-Till**Harvest Date:** 6-12-16**Table 15. 2016 Kentucky Barley Variety Test.**

VARIETY	Yield (Bu/A)*	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2016	2016	2016
VA14B-74	117.5		41.0	0	41	15
Thoroughbred	114.2	108.4	36.5	0	38	15
VA12B-129 LA	109.1		39.8	0	40	14
VA14B-79	105.0		39.3	0	36	15
Wysor	102.7	99.4	37.2	0	42	13
Atlantic	102.4	103.0	39.4	0	35	15
Secretariat	101.5	108.0	34.8	0	35	15
Price	100.8	103.4	42.0	0	36	14
VA14B-63	97.7		41.0	0	36	15
VA14B-36 LA	93.9		34.3	0	34	15
Nomini	92.2	92.5	36.2	0	41	13
Barsoy	83.2	89.5	37.7	0	36	13
Violetta	81.0	88.4	40.9	0	34	17
Callao	77.9	88.6	38.3	0	37	15
VA14B-59	76.0		40.3	0	37	14
<b>AVERAGE</b>	<b>97.0</b>	<b>97.9</b>	<b>38.6</b>	<b>0</b>	<b>37</b>	<b>14</b>

\* 48-lb standard bushel weight

**Location:** Caldwell County, (Princeton, KY)**Planting date:** 10-6-15; No-Till**Harvest date:** 6-12-16**Table 16. 2016 Kentucky Cereal Rye Variety Test.**

VARIETY	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
Brasetto**	77.5	47.0	0	54	30
Guttino**	76.4	47.0	0	51	31
Magnifico**	68.7	50.3	0	53	30
Progras**	58.2	49.5	0	59	29
LAX Guardian	53.3	51.1	0	61	29
Spooner	51.1	52.9	0	64	27
CCWRY1	50.8	50.1	3	62	30
Oklon	46.2	51.9	13	60	20
Aroostook	43.1	53.1	30	62	19
KY-501	42.9	52.7	10	63	20
KY-503	42.7	52.0	5	61	20
KY-502	39.1	52.5	6	63	20
<b>AVERAGE</b>	<b>54.2</b>	<b>50.8</b>	<b>6</b>	<b>59</b>	<b>25</b>

\*56-lb standard bushel weight; \*\* Hybrid Cereal Rye

**Location:** Fayette Co., KY**Planting date:** 10-16-15**Harvest date:** 6-25-16 60 lbs Nitrogen applied at Feekes 5

**Table 17. 2016 Kentucky Triticale Variety Test.**

VARIETY	Grain Yield (Bu/A)*		Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
	2016	2015-16	2016	2016	2016
LAX HY Octane	64.5	72.4	47.2	48	32
Trical 815	64.1	62.4	45.7	51	29
SS 1414	49.0	58.8	45.6	43	25
Trical 336	48.5	57.2	43.8	48	30
SYN 154	48.0		46.0	46	24
Arcia	30.5	46.6	42.6	41	25
<b>AVERAGE</b>	<b>50.8</b>	<b>59.5</b>	<b>45.2</b>	<b>46</b>	<b>28</b>

\* 60-lb standard bushel weight; Lodging = 0%

**Location:** Fayette Co., KY

**Planting date:** 10-16-15

**Harvest date:** 6-25-16

**Table 18. 2016 Kentucky Oat Variety Test.**

VARIETY	Grain Yield (Bu/A)*	Test Wt. (Lb/bu)	Height (In)	Heading Date > May 1	Winter Survival
CCBO3	88.9	35.7	39	11	96
Gerard 224	72.9	36.0	38	7	98
NC12-3578	71.1	37.8	39	7	100
SS 76-50	68.3	33.9	36	8	88
RAM 99016	67.9	33.9	40	8	96
Gerard 229	65.4	35.7	36	8	98
NC12-3447	63.5	34.5	42	8	83
Horizon 201	52.6	31.2	40	7	74
Horizon 306	50.4	34.7	37	9	65
Brooks	48.7	34.1	43	8	81
Horizon 270	42.2	34.3	34	8	71
NC09-4503N	15.7	34.3	37	8	31
<b>AVERAGE</b>	<b>59.0</b>	<b>34.7</b>	<b>38</b>	<b>8</b>	<b>82</b>

\* 32-lb standard bushel weight; Winter Survival (%); Lodging = 0%

**Location:** Fayette Co., KY

**Planting date:** 10-16-15

**Harvest date:** 6-25-16

60 lbs Nitrogen applied at Feekes 5



*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.*