

2015 Kentucky Small Grain VARIETY PERFORMANCE TEST

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www.uky.edu/ag/WheatVarietyTest

The 2015 soft red winter wheat growing season ended with Kentucky farmers harvesting 470,000 acres of the 620,000 acres planted, for a total production of 34.3 million bushels of grain. An average yield of 73 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 potential and straw yield were conducted at one location.

Experimental Methods

One hundred nine 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 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).

Table 1. Wheat Acreage Harvested and Yields (bu/ac) in Kentucky, 2013-15.*

2015		2014		2013	
Harvested	Yield	Harvested	Yield	Harvested	Yield
470,000	73	510,000	71	610,000	75

*June 1, 2015, National Agricultural Statistics Service.

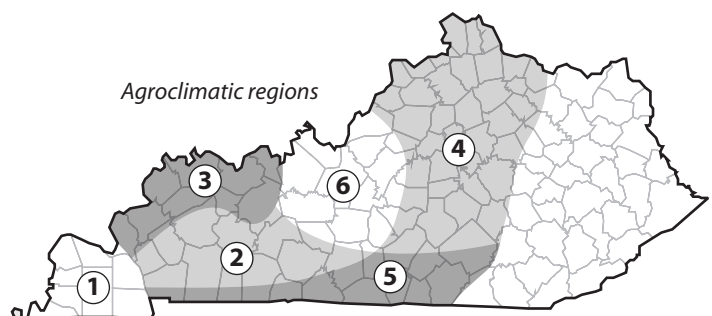


Table 2. Agroclimatic Regions of Kentucky Small Grain Variety Tests.

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, triticale, barley
3 Ohio Valley	Union Co.	Randy Hagan	No-till wheat
4 Bluegrass	Fayette Co.	Kentucky Ag. Exp. Station	Wheat*, oat, forage tests
	Logan Co.	Don Halcomb	Wheat*
5 Southern Tier	Trigg Co.	Ben Cundiff and Barry Alexander	Wheat*
	Woodford Co.	UK Woodford Farm Shannon Rudd	Wheat*, oats, triticale, cereal rye

* Conventional tillage.

The forage test was planted using conventional tillage and was harvested using a small plot forage combine at the milk 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 (leaf blotch [*Septoria tritici* and *Stagonospora nodorum*]) were recorded at the Fayette 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 percentage 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

Wet conditions during October delayed planting throughout many areas of the state. The 2015 Kentucky small grain variety tests were planted from October 8 to October 25. Cold temperatures from November through mid-March delayed green-up and growth. Record low temperatures were reported in mid-late February, but snow cover provided some protection from the cold. Wet, snowy conditions from mid-February to mid-March prevented or delayed fertilizer and some pesticide applications due to poor field conditions. Dry conditions during flowering minimized head scab pressure, but foliar diseases were widely reported across the state. Mild, wet conditions in May and June delayed maturity and dry-down. In some areas, harvest was also delayed due to frequent rainfall in mid/late-June.

Acknowledgments

Thanks to the following individuals for their support and assistance with this project: Kentucky Small Grain Growers Association, 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, Jackie Harper and the UK Wheat Science Group.

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Wheat Varieties Tested in 2015

AgriMAXX Wheat Co.

7167 Highbanks Rd
Mascoutak, IL 62258

AgriMAXX 413
AgriMAXX 415
AgriMAXX 438
AgriMAXX 444
AgriMAXX 446
AgriMAXX 447
AgriMAXX EXP 1555

Ag Alumni Seed Improvement Association

702 State Road 28
East Romany, IN 447981

AgExp02444
AgExp0762

Armor Seeds

PO Box 9
Waldenburg, AR 72475

ARMOR ARX 1325
ARMOR ARX 1327
ARMOR ARX 1412
ARMOR ARX 1413
ARMOR ARX 1418
ARMOR ARX 1433
ARMOR ARX 1441
ARMOR HAVOC
ARMOR OCTANE

Beck's Hybrids

6767 E. 276th
Atlanta, IN 46031

BECK 120
BECK 125
BECK EX 5307
BECK EX 5315
BECK EX 5401

Brodbeck Seed

15 Ringel Ave.
Wabash, IN 46992

Brodbeck 202
Brodbeck 305

Cash River Valley Seed

PO Box 10
Cash, AR 72421

Dixie DEX 13-3
Dixie DEX 15-1
Dixie DEX 15-2
Dixie Extreme
Dixie Kelsey
Dixie McAlister

Delta Grow Seed

PO Box 219
220 NW 2nd
England, AR 72046

Delta Grow 2700
Delta Grow 3200
Delta Grow 7500
Delta Grow 9700

Dupont Pioneer

59 Greif Parkway,
Ste. 200
Delaware, OH 43015

Pioneer variety 25R32
Pioneer variety 25R40
Pioneer variety 26R10
Pioneer variety 26R41
Pioneer variety 26R53
Pioneer variety XW13T
Pioneer variety XW13W

Dyna-Gro Seed

2760 Keller Rd.
Owensboro, KY 43201

Dyna-Gro 9171
Dyna-Gro 9223
Dyna-Gro 9522
Dyna-Gro 9591
Dyna-Gro WX 14611
Dyna-Gro WX 15712
Dyna-Gro WX 15742

Equity Seed

PO Box 978
Westfield, IN 46074

Equity Brand Butler
Equity Brand Guardian

Kentucky American Seeds, Inc.

205 Means Ave.
Hopkinsville, KY 42240

KAS 5058
KAS Liberty IV
KAS Lowery
KAS S1200
KAS S2000
SYNGENTA BRANSON

Kentucky Foundation Seed Project

University of Kentucky
PO Box 11950
Lexington, KY 40579

KY03C-1002-02
KY03C-1237-05
KY03C-1237-10
KY03C-1237-12
KY04C-2004-1-1-1
KY05C-1051-37-18-5
KY05C-1369-14-6-3
KY06C-1003-139-16-5
KY06C-1201-18-6-3
KY06C-3058-53-3-3

Kentucky Small Grain Growers Association

PO Box 90
Eastwood, KY 40018

PEMBROKE 2008
PEMBROKE 2014

Limagrain Cereal Seeds

257 E. Hail
Bushnell, IL 61422

L-Brand 264
L-Brand 304
L-Brand 347
L-Brand 377
L-Brand 461

Progeny AG Products

1529 Hwy 193
Wynne, AR 72396

PROGENY P 117
PROGENY P 357
PROGENY P 410
PROGENY P 870
PROGENY PGX 13-6
PROGENY PGX 14-3
PROGENY PGX 14-5

Seed Consultants, Inc.

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

SC 1315-15™
SC 1321™
SC 1325-15™
SC 1335-15™
SC1342™

Southern States Coop.

6606 W. Broad St.
Richmond, VA 23230

SS 8340
SS 8360
SS 8415
SS 8700
SS EXP 8513
SS EXP 8530

Steyer Seeds

PO Box 209
Old Fort, OH 44861

STEYER EVANS
STEYER MORRIN
STEYER STex142

Syngenta Seeds

4320 Upton Talley Rd.
Upton, KY 42784

SYNGENTA SY 007
SYNGENTA SY 474
SYNGENTA SY 483
SYNGENTA SY 547

Terral Seeds

111 Ellington Dr.
Rayville, LA 71269

Terral TV8848
Terral TV8861

UniSouth Genetics

3205-C Hwy. 465
Dickson, TN 37055

USG 3013
USG 3404
USG 3438
USG 3756

University of Missouri

Columbia, MO 65211

Truman

Virginia Tech

PO Box 338
Warsaw, VA 22572

Hilliard
VA 10W-21
VA 11W-230

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Table 3. 2015 Kentucky Wheat Test - Overall State Summary.*

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Height (In)	Heading Date > May 1
	2015	2014-15	2013-15	2015	2015	2015
Pioneer variety XW13W	92.4			60.4	35	6
AgriMAXX 438	92.3	95.3		59.9	36	6
AgriMAXX 446	91.7	97.2		60.1	34	6
BECK EX 5307	91.2			59.8	35	7
SC 1342™	91.2	96.6	97.2	59.8	36	7
SYNGENTA SY 483	90.8	95.0	93.0	60.0	36	7
AgriMAXX 444	90.5	95.1		60.1	35	7
USG 3404	90.5	94.3		59.8	35	7
AgriMAXX EXP 1555	90.3			60.2	35	6
Pioneer variety XW13T	90.3			59.3	31	5
ARMOR ARX 1325	90.3	95.9		60.3	34	6
ARMOR ARX 1433	90.2			59.5	33	6
Dyna-Gro WX15712	90.2			60.2	35	6
SS 8360	90.1	96.3		60.6	34	6
ARMOR ARX 1413	90.0			60.3	35	6
USG 3013	89.9	95.2		59.5	36	7
Delta Grow 2700	89.9			59.9	35	7
STEYER MORRIN	89.9			59.5	35	7
STEYER EVANS	89.6			59.7	35	7
BECK EX 5401	89.6			59.9	35	7
Dixie Extreme	89.5	95.9		59.8	36	7
KAS Liberty IV	89.4			58.7	34	5
Pioneer variety 26R10	89.3	94.8	96.7	60.2	34	6
ARMOR ARX 1441	89.2			60.9	34	5
ARMOR ARX 1327	89.2	95.3		59.9	35	7
Terral TV8848	88.7	95.4	94.5	60.8	35	6
SS 8700	88.5	90.7	91.0	59.1	36	7
Equity Brand Butler	88.5	89.1		59.2	35	7
Dyna-Gro 9223	88.5	95.0	95.1	59.5	36	7
BECK 120	88.4	95.4	96.0	58.2	33	4
Dixie DXEX 13-3	88.2	93.8		60.9	35	6
Pioneer variety 25R40	88.1	92.9	93.6	60.4	32	6
AgriMAXX 413	88.1	94.3	95.0	58.5	33	4
PROGENY P 357	88.0	93.6	93.5	57.8	34	7
AgriMAXX 447	87.9	90.4	93.8	59.5	36	7
Dyna-Gro 9522	87.8	93.5		59.5	35	7
PROGENY PGX 13-6	87.8	94.2		59.8	35	7
Dixie DXEX 15-1	87.2			60.0	35	7
Equity Brand Guardian	87.0	89.0		60.7	37	7
USG 3438	86.9	94.5	94.4	58.5	33	5
Dixie McAlister	86.3	91.8		58.3	33	5
PROGENY P 870	86.2	92.8	94.1	58.2	33	5
SYNGENTA SY 474	86.2	89.1		60.5	38	6
KAS S1200	86.1	93.5	95.6	58.4	33	4
SYNGENTA SY 547	86.1	92.2		60.7	37	4
PROGENY PGX 14-3	86.0			60.0	37	4
SC 1321™	86.0	93.4	95.8	58.1	33	4
BECK 125	85.9	91.8		60.2	35	6
Dyna-Gro 9171	85.9	92.9	94.7	58.5	33	4
Brodbeck 305	85.9			61.1	37	7
Pioneer variety 26R41	85.8	91.8	92.0	60.4	33	6
KY03C-1237-12	85.8	88.3	90.5	60.6	34	5
SC 1335-15™	85.8	92.3		60.3	35	6
KAS Lowery	85.8			60.9	36	7
Delta Grow 9700	85.7	94.4	95.0	59.6	36	7
ARMOR OCTANE	85.7	91.9	94.1	58.9	35	7

Table 3. (continued)

VARIETY	Yield (Bu/A)			Test Wt. (Lb/bu)	Height (In)	Heading Date > May 1
	2015	2014-15	2013-15	2015	2015	2015
L-Brand 377	85.6			59.9	36	5
ARMOR ARX 1412	85.6			60.7	36	5
KAS S2000	85.4	93.7		59.3	34	4
ARMOR HAVOC	85.4	94.0	95.8	60.3	33	6
AgExp02444	85.2	91.8		58.7	34	4
Delta Grow 7500	84.9	90.1	89.5	59.7	35	5
USG 3756	84.8			60.3	37	4
STEYER STex142	84.7			58.5	36	5
SS EXP 8530	84.6			59.3	35	4
KY03C-1237-05	84.5	87.2	90.8	60.3	34	9
BECK EX 5315	84.4			59.8	37	4
SYNGENTA BRANSON	84.1			59.9	34	4
KY06C-1003-139-16-5	83.7	87.7		60.8	35	5
VA 10W-21	83.6	91.4		62.3	34	5
SC 1315-15™	83.6			60.9	36	4
Hilliard	83.5			60.7	35	5
AgExp0762	83.4	91.5		59.3	33	5
KY03C-1002-02	83.1	87.4	91.6	60.5	34	4
Dyna-Gro WX14611	83.0			59.3	35	4
Terral TV8861	83.0	87.9	86.9	60.1	33	7
L-Brand 264	82.7			61.1	34	4
Pioneer variety 26R53	82.7	89.2	91.1	61.3	33	6
SC 1325-15™	82.7	92.3		59.0	34	4
Dyna-Gro 9591	82.6	89.4		60.5	36	4
AgriMAXX 415	82.6	89.6	91.3	62.1	34	5
SS 8340	82.6	91.9	91.2	61.6	34	5
Pioneer variety 25R32	82.5	87.2	88.5	61.2	35	6
Dyna-Gro WX15742	82.4			58.4	36	5
Dixie Kelsey	82.4			61.9	34	6
ARMOR ARX 1418	82.0			58.6	36	5
PEMBROKE 2014	81.2	87.4	88.0	61.3	32	4
KY04C-2004-1-1-1	81.2	86.8		62.7	37	6
Truman	81.0	85.1	85.3	60.3	38	11
SYNGENTA SY 007	80.9	87.2	88.9	60.0	35	3
PEMBROKE 2008	80.8	85.8	87.8	60.8	35	5
L-Brand 461	80.7			61.6	39	5
Delta Grow 3200	80.5	88.9		60.2	31	5
KY03C-1237-10	80.2	86.4	89.3	60.0	33	6
SS EXP 8513	80.1			60.0	36	3
L-Brand 347	79.7			61.7	36	5
PROGENY P 410	79.6			60.1	38	5
KY06C-1201-18-6-3	79.5			61.3	36	4
KAS 5058	78.9	87.7	89.3	62.0	36	6
Brodbeck 202	78.8			58.9	38	6
KY06C-3058-53-3-3	78.8			62.4	33	4
L-Brand 304	78.5	87.1		62.8	38	5
SS 8415	77.2	81.5		58.7	35	4
PROGENY PGX 14-5	76.5			62.4	38	5
VA11W-230	76.2			61.9	33	4
PROGENY P 117	75.6	83.4	82.3	59.7	37	5
KY05C-1051-37-18-5	74.9			63.0	37	6
KY05C-1369-14-6-3	69.3			62.8	37	2
Dixie DXEX 15-2	67.9			59.6	39	4
AVERAGE	85.0	91.4	92.0	60.1	35	6
C.V.	7.8	7.7	7.6			
LSD (0.10)	4.1	8.0	6.5			

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

Table 4. 2015 Kentucky Wheat Forage Test.

VARIETY	DM Yield* at Milk Stage Tons/acre			Head Type
	2015	2014-15	2013-15	
Delta Grow 9700	4.25	4.75	4.75	Smooth
AgriMAXX 446	4.13	4.40		Bearded
Dixie DEX 13-3	4.02	4.68		Smooth
Pioneer variety XW13T	3.99			Smooth
PROGENY P 357	3.93	4.35	4.60	Bearded
KY03C-1237-12	3.87	3.98	4.44	Bearded
SC 1342™	3.87	4.55	4.77	Smooth
STEYER MORRIN	3.86			Smooth
AgExp02444	3.82	4.45		Smooth
SC 1321™	3.80	4.03	4.21	Bearded
Dixie Extreme	3.78	4.43		Smooth
Pioneer variety 26R10	3.78	4.32	4.50	Bearded
AgExp0762	3.75	4.25		Smooth
Dyna-Gro 9522	3.74	4.58		Bearded
Dixie DEX 15-1	3.70			Bearded
Dyna-Gro 9223	3.70	4.34	4.58	Smooth
Terral TV8848	3.70	4.06	4.28	Bearded
AgriMAXX 447	3.69	4.63	4.79	Smooth
KY04C-2004-1-1-1	3.69	3.98		Bearded
SS 8700	3.69	4.16	4.56	Bearded
PROGENY P 870	3.65	3.93	4.08	Bearded
AgriMAXX 438	3.64	4.55		Smooth
AgriMAXX EXP 1555	3.64			Bearded
AgriMAXX 413	3.63	4.25	4.43	Bearded
SS 8340	3.63	4.20	4.47	Bearded
USG 3013	3.63	4.26		Smooth
PROGENY PGX 13-6	3.62	4.44		Bearded
L-Brand 377	3.61			Smooth
SC 1315-15™	3.61			Bearded
ARMOR OCTANE	3.60	4.02	4.30	Smooth
L-Brand 264	3.59			Smooth
KAS 5058	3.57	3.89	4.26	Smooth
KY03C-1002-02	3.57	3.73	4.27	Bearded
Dyna-Gro WX15712	3.56			Bearded
Equity Brand Butler	3.56	4.07		Smooth
KY03C-1237-05	3.54	4.16	4.45	Bearded
Pioneer variety 25R40	3.54	3.85	4.13	Bearded
AgriMAXX 415	3.53	3.88	4.23	Bearded
ARMOR ARX 1327	3.53	4.17		Bearded
BECK 120	3.52	4.12	4.27	Bearded
KY06C-3058-53-3-3	3.51			Bearded
STEYER EVANS	3.51			Bearded
Delta Grow 2700	3.50			Bearded
PROGENY PGX 14-5	3.50			Tip-Awned
USG 3438	3.50	3.94	4.14	Bearded
SYNGENTA SY 483	3.49	4.53	4.68	Smooth
PEMBROKE 2014	3.48	3.82	4.33	Bearded
ARMOR ARX 1413	3.46			Bearded
Brodbeck 305	3.45			Tip-Awned
KAS S2000	3.44	3.68		Bearded
VA 10W-21	3.44	3.76		Smooth
BECK EX 5401	3.42			Bearded
KAS S1200	3.42	3.77	3.92	Bearded
KY03C-1237-10	3.42	3.84	4.27	Bearded
SYNGENTA SY 474	3.42	4.00		Smooth
SC 1335-15™	3.41	3.84		Bearded
BECK EX 5315	3.40			Bearded
Dixie McAlister	3.40	4.01		Bearded

VARIETY	DM Yield* at Milk Stage Tons/acre			Head Type
	2015	2014-15	2013-15	
PROGENY P 410	3.40			Tip-Awned
SYNGENTA SY 547	3.40	4.26		Smooth
BECK 125	3.39	4.44		Bearded
ARMOR ARX 1441	3.37			Tip-Awned
KAS Liberty IV	3.37			Bearded
Equity Brand Guardian	3.36	4.16		Smooth
KAS Lowery	3.36			Smooth
BECK EX 5307	3.34			Bearded
AgriMAXX 444	3.32	4.29		Bearded
Pioneer variety XW13W	3.32			Bearded
USG 3404	3.31	3.78		Bearded
ARMOR ARX 1325	3.30	3.98		Bearded
ARMOR HAVOC	3.30	4.01	4.33	Bearded
Delta Grow 3200	3.29	4.07		Bearded
STEYER STex142	3.29			Bearded
USG 3756	3.28			Bearded
SS 8360	3.27	4.23		Bearded
SS EXP 8530	3.25			Bearded
ARMOR ARX 1433	3.24			Bearded
KY05C-1051-37-18-5	3.24			Smooth
PROGENY P 117	3.24	3.63	4.04	Smooth
Dyna-Gro WX14611	3.23			Bearded
Dyna-Gro 9591	3.22	3.78		Bearded
Pioneer variety 25R32	3.22	3.37	3.83	Bearded
Delta Grow 7500	3.21	4.32	4.37	Bearded
SC 1325-15™	3.21	3.87		Bearded
PROGENY PGX 14-3	3.18			Bearded
Terral TV8861	3.18	3.72	3.99	Bearded
L-Brand 461	3.17			Bearded
L-Brand 304	3.15	3.80		Tip-Awned
SYNGENTA BRANSON	3.14			Tip-Awned
Hilliard	3.13			Bearded
Dixie DEX 15-2	3.11			Smooth
Pioneer variety 26R53	3.11	3.80	4.03	Bearded
SS EXP 8513	3.11			Smooth
ARMOR ARX 1418	3.10			Bearded
Pioneer variety 26R41	3.10	3.98	4.28	Bearded
SYNGENTA SY 007	3.09	3.58	3.80	Bearded
KY06C-1201-18-6-3	3.07			Bearded
SS 8415	3.04	3.50		Smooth
KY05C-1369-14-6-3	3.03			Bearded
KY06C-1003-139-16-5	3.02	3.82		Smooth
Dyna-Gro WX15742	3.01			Bearded
L-Brand 347	2.98			Smooth
Truman	2.98	3.57	3.87	Smooth
VA11W-230	2.95			Bearded
ARMOR ARX 1412	2.94			Bearded
Dyna-Gro 9171	2.93	3.79	3.88	Bearded
PEMBROKE 2008	2.93	3.77	4.14	Bearded
Dixie Kelsey	2.85			Bearded
Brodbeck 202	2.78			Smooth
AVERAGE	3.42	4.06	4.28	
C.V.	10.15	13.18	12.12	
LSD (0.10)	0.57	0.59	0.46	

Location: Bluegrass Region - Fayette Co., Conventional tillage

Planting date: 10-24-14

Harvest date: 5-28-15

*DM=Dry Matter Yield

Table 5. 2015 Kentucky Wheat Straw Test.

VARIETY	DM Yield* Tons/acre		
	2015	2014-15	2013-15
KY05C-1369-14-6-3	1.66		
Delta Grow 9700	1.52	1.60	1.56
Equity Brand Guardian	1.41	1.47	
Dixie DXEX 15-2	1.39		
Truman	1.38	1.33	1.31
ARMOR ARX 1441	1.35		
Dixie DXEX 13-3	1.35	1.24	
SC 1315-15™	1.32		
SYNGENTA SY 474	1.32	1.32	
PROGENY PGX 14-5	1.31		
SS 8700	1.25	1.25	1.37
Brodbeck 305	1.24		
BECK EX 5307	1.21		
SYNGENTA SY 483	1.17	1.44	1.52
L-Brand 304	1.16	1.15	
ARMOR ARX 1413	1.13		
KAS 5058	1.13	1.28	1.32
AgriMAXX 444	1.09	1.08	
KAS Lowery	1.09		
PEMBROKE 2014	1.09	1.08	1.25
PROGENY P 870	1.09	1.13	1.20
SS EXP 8513	1.09		
Hilliard	1.08		
Dyna-Gro WX15742	1.07		
SS 8340	1.07	1.17	1.23
Dyna-Gro 9223	1.06	1.23	1.37
PROGENY PGX 13-6	1.04	1.24	
ARMOR ARX 1433	1.03		
Dixie Kelsey	1.02		
KY04C-2004-1-1-1	1.01	1.32	
VA 10W-21	1.01	1.17	
PROGENY P 117	1.00	1.15	1.26
PEMBROKE 2008	0.99	1.00	1.20
Dixie McAlister	0.98	1.08	
KY03C-1002-02	0.98	1.01	1.13
PROGENY PGX 14-3	0.98		
Terral TV8848	0.98	1.10	1.20
USG 3013	0.98	1.29	
Dyna-Gro 9591	0.97	0.93	
SC 1335-15™	0.97	1.21	
ARMOR ARX 1412	0.96		
AgExp02444	0.96	1.10	
ARMOR OCTANE	0.95	1.10	1.25
SS 8360	0.94	1.09	
USG 3404	0.93	1.11	
KY03C-1237-12	0.92	0.98	1.07
L-Brand 461	0.92		
BECK 120	0.91	1.04	1.01
L-Brand 377	0.90		
AgriMAXX 415	0.88	0.93	1.12
KY06C-1201-18-6-3	0.88		
Terral TV8861	0.88	0.96	1.13
USG 3438	0.88	1.00	1.03
BECK EX 5315	0.87		
AgriMAXX 413	0.86	0.88	1.03
KY05C-1051-37-18-5	0.86		
SS 8415	0.86	0.87	
Equity Brand Butler	0.85	1.10	

VARIETY	DM Yield* Tons/acre		
	2015	2014-15	2013-15
L-Brand 264	0.85		
SC 1342™	0.85	1.11	1.30
KY03C-1237-05	0.84	1.08	1.23
Delta Grow 2700	0.83		
Delta Grow 3200	0.83	0.97	
Brodbeck 202	0.82		
L-Brand 347	0.82		
PROGENY P 410	0.81		
ARMOR HAVOC	0.80	1.15	1.23
Dixie Extreme	0.80	1.19	
KAS Liberty IV	0.80		
SC 1321™	0.80	0.92	0.95
SYNGENTA SY 007	0.80	0.96	1.13
KAS S1200	0.79	0.93	1.04
ARMOR ARX 1325	0.78	1.02	
BECK EX 5401	0.78		
Delta Grow 7500	0.78	0.86	1.03
Dyna-Gro WX15712	0.78		
Dyna-Gro 9522	0.77	1.09	
SYNGENTA SY 547	0.77	0.97	
AgriMAXX EXP 1555	0.76		
SYNGENTA BRANSON	0.74		
VA11W-230	0.74		
AgriMAXX 438	0.73	1.07	
PROGENY P 357	0.73	1.04	1.19
Dyna-Gro 9171	0.72	0.92	1.03
KY03C-1237-10	0.72	0.82	1.01
KY06C-3058-53-3-3	0.71		
Pioneer variety XW13W	0.70		
ARMOR ARX 1327	0.68	1.04	
STEYER STex142	0.67		
USG 3756	0.67		
KY06C-1003-139-16-5	0.66	0.93	
STEYER MORRIN	0.66		
AgExp0762	0.63	0.77	
SS EXP 8530	0.63		
ARMOR ARX 1418	0.62		
Dyna-Gro WX14611	0.62		
AgriMAXX 447	0.61	0.82	1.10
Pioneer variety 25R40	0.61	0.76	0.93
Pioneer variety 26R41	0.60	0.78	0.95
Pioneer variety 26R53	0.59	0.82	1.00
SC 1325-15™	0.59	0.79	
AgriMAXX 446	0.58	0.94	
Pioneer variety 26R10	0.58	0.81	0.98
STEYER EVANS	0.58		
Pioneer variety XW13T	0.52		
BECK 125	0.47	0.83	
Pioneer variety 25R32	0.47	0.51	0.89
Dixie DXEX 15-1	0.42		
KAS S2000	0.23	0.62	
AVERAGE	0.89	1.04	1.15
C.V.	38.68	28.15	25.65
LSD (0.10)	0.57	0.33	0.26

Location: Bluegrass Region - Fayette Co., Conventional tillage

Planting date: 10-24-14

Harvest date: 6-24-15

* Dry Matter straw yield following grain harvest.

Table 6. 2015 Kentucky Wheat Test - Purchase Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
AgriMAXX 446	93.1	95.6	62.7	61.1	34	6
Pioneer variety XW13T	92.1		62.5		32	5
USG 3013	85.2	92.3	60.8	59.7	36	7
SYNGENTA SY 474	83.5	87.5	63.3	61.6	38	5
Dyna-Gro 9223	82.9	91.7	61.6	60.1	37	7
Pioneer variety XW13W	82.8		63.0		36	7
BECK EX 5401	82.6		60.4		36	7
Pioneer variety 26R10	82.3	88.6	61.7	60.0	34	7
USG 3438	81.9	89.3	62.2	60.4	33	4
USG 3404	81.3	86.6	61.7	60.0	35	7
ARMOR OCTANE	80.9	84.3	61.1	59.2	37	6
Delta Grow 2700	80.7		61.7		35	7
AgriMAXX 438	80.5	89.3	62.0	60.3	37	7
SC 1315-15™	80.0		64.3		36	3
SS 8360	79.9	89.7	62.7	60.9	34	6
Pioneer variety 25R40	79.6	85.3	62.5	60.5	32	6
Dyna-Gro WX15712	79.3		62.5		35	6
Dixie McAlister	78.9	87.0	61.8	59.4	33	4
BECK 120	78.9	88.4	61.7	59.9	33	4
PROGENY P 357	78.6	85.5	61.0	58.9	35	7
ARMOR ARX 1325	78.6	88.5	63.2	61.4	33	7
SYNGENTA SY 007	78.4	87.7	63.6	61.6	36	3
SS 8700	78.0	84.3	63.8	60.5	36	6
ARMOR ARX 1327	78.0	86.7	62.1	60.4	35	8
Dixie Extreme	77.4	88.1	61.4	60.0	36	7
SC 1342™	77.4	88.6	61.6	59.9	36	6
BECK EX 5315	77.3		63.2		38	3
Dyna-Gro 9522	76.8	81.9	62.0	60.2	34	8
ARMOR ARX 1433	76.8		61.8		32	5
ARMOR ARX 1441	76.8		63.7		33	5
Pioneer variety 26R41	76.7	84.3	64.2	62.2	33	6
Equity Brand Guardian	76.7	81.8	62.2	61.0	37	6
AgriMAXX 413	76.6	85.7	61.7	59.5	34	4
Brodbeck 305	76.6		62.7		37	6
Equity Brand Butler	76.3	78.1	61.8	59.4	35	6
AgriMAXX EXP 1555	76.3		62.5		34	7
KAS Lowery	76.1		62.2		36	7
AgriMAXX 447	75.6	77.4	61.3	59.0	35	6
AgriMAXX 444	75.1	85.4	61.9	60.2	34	7
STEYER EVANS	74.9		61.8		34	8
ARMOR ARX 1413	74.9		61.8		35	7
STEYER STex142	74.7		62.1		37	5
SYNGENTA SY 483	74.6	81.8	63.5	59.6	35	7
L-Brand 377	74.6		62.4		35	5
Pioneer variety 26R53	74.4	81.0	63.6	61.7	33	7
SC 1321™	74.1	84.4	61.5	60.0	33	4
ARMOR HAVOC	73.9	85.6	63.1	61.2	33	6
Dyna-Gro WX14611	73.8		63.2		35	4
SYNGENTA SY 547	73.7	84.7	63.6	61.9	36	3
Dyna-Gro 9591	73.4	88.0	64.0	63.1	36	3
PROGENY PGX 13-6	73.4	84.1	61.8	60.0	34	7
KY03C-1237-12	73.4	84.5	64.3	63.1	35	4
SYNGENTA BRANSON	73.3		62.7		34	4
Hilliard	73.3		64.2		35	4
PROGENY P 410	73.3		62.0		39	4
BECK EX 5307	73.2		61.7		33	8
KAS S1200	73.1	83.6	61.4	59.4	32	5

Table 6. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
Dyna-Gro 9171	73.1	85.6	61.2	59.6	33	4
Delta Grow 9700	73.1	84.1	61.9	59.9	36	7
KAS Liberty IV	73.1		62.2		34	5
ARMOR ARX 1412	73.0		64.2		36	5
STEYER MORRIN	73.0		61.3		35	7
SS EXP 8530	73.0		63.0		35	4
ARMOR ARX 1418	72.7		61.4		36	4
KY06C-1003-139-16-5	72.6	79.2	63.9	61.8	36	5
AgExp0762	72.4	85.7	62.5	61.5	33	5
Dixie DEXE 15-1	72.4		61.5		34	7
PROGENY P 117	72.3	79.9	63.2	62.2	36	3
SS EXP 8513	72.3		63.3		36	1
Delta Grow 7500	72.0	81.8	62.6	59.7	35	4
Dixie Kelsey	71.8		64.3		34	5
Delta Grow 3200	71.7	85.8	63.9	62.0	31	5
L-Brand 264	71.7		64.2		34	3
Dixie DEXE 13-3	71.5	81.8	62.7	61.0	34	6
PEMBROKE 2008	71.4	78.4	63.2	61.5	35	4
BECK 125	71.3	81.6	64.2	62.1	34	5
Dyna-Gro WX15742	71.3		61.7		37	4
PEMBROKE 2014	71.2	80.1	65.0	63.8	33	3
Terral TV8861	71.1	81.5	61.7	59.3	33	7
PROGENY PGX 14-3	71.0		62.8		36	3
PROGENY P 870	70.9	82.6	61.5	59.6	32	4
Terral TV8848	70.9	85.0	62.3	60.6	34	7
KAS 5058	70.8	81.1	64.5	63.9	37	5
USG 3756	70.3		63.2		37	3
PROGENY PGX 14-5	70.3		65.1		39	4
AgExp02444	70.1	83.2	60.9	59.7	33	4
KY03C-1237-05	69.8	79.2	64.0	62.9	35	8
Pioneer variety 25R32	69.7	81.0	64.9	63.1	35	7
L-Brand 347	69.2		64.2		36	4
KAS S2000	68.4	85.6	63.2	61.6	33	3
L-Brand 304	68.4	81.7	65.1	64.7	39	4
Truman	68.3	81.7	63.5	61.5	39	11
KY05C-1051-37-18-5	68.3		65.3		39	6
SC 1325-15™	67.8	87.5	62.9	61.5	33	4
VA 10W-21	67.7	85.4	65.8	64.1	33	5
L-Brand 461	67.6		63.8		39	4
KY03C-1237-10	67.5	79.2	63.4	62.5	33	6
Brodbeck 202	67.5		60.8		36	5
SS 8415	67.2	74.4	62.2	60.0	34	4
KY06C-1201-18-6-3	67.1		63.9		36	4
SC 1335-15™	66.0	78.8	63.8	61.8	34	5
SS 8340	64.2	81.0	64.4	62.8	34	5
KY04C-2004-1-1-1	64.0	75.6	63.9	62.7	37	6
VA11W-230	63.5		66.0		34	3
AgriMAXX 415	63.5	78.9	64.4	62.6	33	5
KY03C-1002-02	62.4	78.2	64.1	62.8	32	4
KY05C-1369-14-6-3	60.6		66.7		38	1
KY06C-3058-53-3-3	59.8		65.1		32	5
Dixie DEXE 15-2	59.2		62.5		40	4
AVERAGE	73.7	84.0	62.9	61.1	35	5
C.V.	9.9	8.0				
LSD (0.10)	12.1	7.6				

Location: Ballard Co., No-till, Lodging = 0%

Planting date: 10-23-14

Harvest date: 6-15-15

Table 7. 2015 Kentucky Wheat Test - Western Coal Field Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (in)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
SS 8700	97.7	91.5	62.5	58.9	38	5
Dixie DXEX 13-3	95.9	96.7	62.7	60.4	37	5
BECK EX 5307	95.7		62.0		37	4
SYNGENTA SY 483	94.7	93.7	61.9	58.6	38	5
AgriMAXX 444	94.5	93.8	62.3	59.6	38	4
SC 1342™	94.2	94.3	61.6	59.1	38	4
Dixie Extreme	94.0	91.7	61.6	58.5	38	4
KAS Liberty IV	94.0		62.0		35	3
ARMOR ARX 1412	93.1		63.3		38	3
STEYER EVANS	92.9		62.1		38	5
SYNGENTA SY 547	92.2	90.8	63.1	60.8	39	2
BECK EX 5401	92.2		62.0		36	4
STEYER STex142	92.0		61.8		38	3
AgriMAXX EXP 1555	92.0		62.1		37	4
USG 3438	91.8	93.5	61.2	58.5	36	3
Dixie DXEX 15-1	91.7		62.4		38	4
Delta Grow 7500	91.6	88.7	62.2	59.0	37	2
SYNGENTA BRANSON	91.4		62.0		37	1
USG 3404	91.3	92.6	62.2	59.7	38	4
ARMOR ARX 1418	91.2		61.8		37	2
Equity Brand Guardian	91.2	85.5	60.7	58.6	38	6
Delta Grow 3200	91.0	87.0	64.1	61.5	33	2
KY03C-1237-05	91.0	84.9	64.0	61.7	37	7
Terral TV8848	90.9	92.2	62.5	60.4	38	4
ARMOR ARX 1327	90.8	91.0	61.8	59.4	37	4
Pioneer variety 25R40	90.7	90.0	62.2	59.5	34	4
Dyna-Gro WX14611	90.6		61.9		37	2
Delta Grow 9700	90.5	89.5	61.0	58.7	37	4
KY03C-1002-02	90.5	83.7	63.8	62.0	34	3
SYNGENTA SY 474	90.3	84.9	61.4	59.3	40	5
AgriMAXX 438	90.3	88.5	61.6	58.7	38	4
Dixie McAlister	89.9	83.4	61.5	58.6	34	3
Pioneer variety 26R10	89.7	90.9	63.0	60.0	35	4
ARMOR ARX 1441	89.7		63.8		35	3
PROGENY P 357	89.6	88.9	60.5	57.7	36	6
Dyna-Gro WX15712	89.6		61.9		36	4
Equity Brand Butler	88.9	84.4	60.0	57.8	38	5
AgExp02444	88.9	88.3	60.1	58.4	35	3
L-Brand 461	88.7		62.4		42	3
SS 8360	88.7	90.1	62.7	60.0	35	4
ARMOR ARX 1325	88.6	91.1	61.9	59.4	35	4
ARMOR ARX 1433	88.3		62.1		34	4
AgriMAXX 413	88.1	91.2	61.2	58.5	34	2
SS 8340	87.9	89.8	64.4	62.6	37	3
Dyna-Gro 9223	87.5	87.5	60.9	58.2	38	4
SC 1335-15™	87.4	90.5	63.6	61.7	37	4
AgriMAXX 446	87.1	87.8	62.4	59.6	35	5
SS EXP 8513	87.0		61.9		38	2
USG 3013	86.9	89.4	61.5	58.7	37	5
KY06C-1003-139-16-5	86.9	85.1	62.5	60.7	37	3
SC 1321™	86.9	88.6	61.4	59.0	34	3
KAS Lowery	86.9		61.4		39	5
KAS 5058	86.9	84.3	64.3	62.6	37	4
Dyna-Gro WX15742	86.6		61.2		37	3
Dyna-Gro 9522	86.6	89.0	61.8	59.4	36	4
Brodbeck 305	86.5		61.5		38	5
AgExp0762	86.4	87.3	61.7	60.3	33	2
Pioneer variety 25R32	86.4	87.8	63.7	61.9	37	4

Table 7. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (in)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
Dyna-Gro 9171	86.3	87.8	61.0	58.9	35	2
Delta Grow 2700	85.9		62.2		37	4
BECK 125	85.9	84.8	63.1	60.9	38	3
AgriMAXX 415	85.8	84.2	64.2	61.7	36	4
ARMOR ARX 1413	85.5		62.6		35	4
SS EXP 8530	85.4		61.8		38	2
BECK 120	85.0	87.5	61.4	59.0	34	3
Pioneer variety 26R41	85.0	88.0	64.1	61.7	35	4
L-Brand 347	84.9		63.7		39	3
SC 1325-15™	84.9	91.2	62.0	60.7	36	2
ARMOR OCTANE	84.8	85.5	59.5	58.0	36	5
AgriMAXX 447	84.6	84.1	60.3	58.1	38	5
KY06C-1201-18-6-3	84.5		63.4		39	2
VA 10W-21	84.4	83.3	64.8	62.5	36	3
Dyna-Gro 9591	83.8	86.2	63.2	61.3	38	1
PROGENY PGX 13-6	83.6	90.6	62.0	59.9	37	4
L-Brand 304	83.5	83.9	64.4	63.2	39	3
KAS S1200	82.9	88.3	61.0	58.5	34	3
PROGENY P 870	82.9	86.2	61.2	58.8	33	3
L-Brand 264	82.8		63.7		36	3
Pioneer variety XW13T	82.7		60.2		32	4
PEMBROKE 2008	82.6	82.1	63.2	61.4	36	3
SC 1315-15™	82.6		63.9		38	2
Terral TV8861	82.5	82.6	61.9	58.2	35	4
STEYER MORRIN	82.5		60.1		37	5
KY04C-2004-1-1-1	82.4	85.6	64.9	62.5	40	4
Hilliard	82.3		63.0		36	3
KY03C-1237-10	82.2	83.8	63.5	62.2	34	4
ARMOR HAVOC	82.1	85.2	63.1	60.4	35	4
Dixie Kelsey	82.0		64.2		35	3
Pioneer variety XW13W	82.0		63.1		37	4
PROGENY P 410	81.9		61.8		40	3
USG 3756	81.8		62.5		39	2
PROGENY PGX 14-3	81.6		62.4		40	3
L-Brand 377	81.5		60.4		38	3
KY03C-1237-12	81.5	81.1	63.5	61.6	35	3
KY05C-1051-37-18-5	81.5		65.5		40	4
BECK EX 5315	80.8		61.8		39	2
SS 8415	79.9	83.3	60.5	58.7	39	3
Pioneer variety 26R53	79.5	82.4	63.7	61.6	34	4
PEMBROKE 2014	78.8	81.0	63.9	62.9	33	3
PROGENY PGX 14-5	78.6		64.0		39	3
KAS S2000	78.0	83.8	61.6	60.1	35	2
Brodbeck 202	77.7		60.4		40	3
KY06C-3058-53-3-3	77.6		64.7		35	2
SYNGENTA SY 007	77.6	82.2	62.1	60.3	35	0
Dixie DSEX 15-2	75.5		62.3		41	2
Truman	75.4	74.8	59.8	57.4	39	10
KY05C-1369-14-6-3	73.8		65.5		37	-1
PROGENY P 117	73.1	75.3	62.0	60.3	38	3
VA11W-230	72.9		65.0		33	2
AVERAGE	86.3	87.2	62.4	60.0	37	3
C.V.	7.3	7.4				
LSD (0.10)	10.4	7.5				

Location: Caldwell Co. (Princeton, KY), No-till, Lodging = 0%.

Planting date: 10-8-14

Harvest date: 6-14-15

Table 8. 2015 Kentucky Wheat Test - Ohio Valley Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
Pioneer variety XW13W	99.2		61.3		36	7
Pioneer variety XW13T	97.4		60.9		32	6
STEYER EVANS	97.3		60.3		36	9
USG 3404	96.3	97.6	60.6	61.2	35	8
PROGENY PGX 13-6	95.0	99.6	60.5	60.6	35	8
AgriMAXX 444	94.5	98.6	61.3	61.4	35	8
Dyna-Gro 9522	94.2	100.7	60.5	60.6	35	9
ARMOR ARX 1433	93.2		60.9		34	6
ARMOR ARX 1327	93.1	100.5	59.9	60.5	35	8
STEYER MORRIN	92.8		60.2		35	8
AgriMAXX 447	92.1	98.2	59.9	60.1	36	8
Delta Grow 2700	92.0		60.6		36	8
AgriMAXX EXP 1555	91.5		61.3		36	8
KAS Liberty IV	91.5		58.5		34	6
Dyna-Gro WX15712	91.2		61.4		36	7
BECK EX 5401	91.0		61.3		35	8
BECK EX 5307	90.2		59.7		35	8
ARMOR ARX 1413	90.1		61.4		37	8
AgriMAXX 438	89.4	98.1	60.2	60.4	37	7
PROGENY P 357	89.3	98.0	59.0	59.2	34	8
SYNGENTA SY 483	89.3	99.2	60.0	60.3	37	8
Dixie Extreme	89.2	98.1	60.7	61.1	38	8
Dixie DSEX 15-1	88.7		60.8		35	8
SC 1342™	88.5	97.9	61.2	61.0	37	7
ARMOR OCTANE	88.3	97.3	60.0	60.1	36	8
Truman	88.2	89.9	60.7	60.9	40	12
ARMOR HAVOC	88.1	99.1	60.4	61.5	34	7
Pioneer variety 26R10	88.0	98.9	60.5	61.2	34	7
Terral TV8861	87.9	95.6	60.5	61.1	35	8
SS 8340	87.9	98.1	62.2	62.9	34	6
SC 1335-15™	87.8	95.7	60.8	62.0	35	7
BECK 125	87.7	97.7	60.9	62.1	36	7
KY03C-1237-05	87.5	90.6	60.3	62.2	35	9
SS 8700	87.4	93.5	58.9	59.6	37	7
Equity Brand Butler	87.3	97.2	59.6	60.1	35	7
ARMOR ARX 1441	87.2		60.5		34	6
Pioneer variety 25R32	86.9	93.6	61.1	62.0	35	8
Pioneer variety 26R53	86.9	96.3	62.1	62.6	33	7
Brodbeck 305	86.8		61.8		36	8
KAS Lowery	86.6		62.1		38	8
SS 8360	86.1	98.5	60.5	61.3	35	7
Dixie McAlister	85.8	97.4	59.0	59.8	32	5
KAS S2000	85.7	100.9	58.9	61.0	34	4
Pioneer variety 26R41	85.7	93.9	60.1	61.5	34	7
Dyna-Gro 9223	84.7	95.9	60.4	60.8	37	8
KY04C-2004-1-1-1	84.6	89.2	63.6	64.0	39	7
ARMOR ARX 1325	84.6	97.5	60.8	61.4	35	8
PROGENY P 870	84.4	94.7	58.7	59.9	32	6
USG 3013	84.2	93.9	60.3	60.6	37	8
KY03C-1237-12	83.9	87.5	60.6	62.2	35	6
USG 3438	83.9	95.0	58.8	59.9	32	6
Equity Brand Guardian	83.3	91.5	61.7	61.8	37	7
Hilliard	83.2		61.3		35	5
Pioneer variety 25R40	83.0	94.8	61.1	61.7	32	6
AgriMAXX 413	83.0	94.7	58.8	60.0	32	5
KAS S1200	82.9	96.5	58.5	60.1	33	5
SYNGENTA SY 474	82.3	96.0	61.0	61.0	39	7
KY06C-3058-53-3-3	82.1		62.8		34	5

Table 8. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (in)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
KY06C-1003-139-16-5	81.5	87.9	61.5	62.0	35	6
Dixie Kelsey	81.4		62.5		32	6
Dixie DXEX 13-3	81.3	94.4	61.9	61.9	36	7
ARMOR ARX 1412	81.3		60.9		36	6
STEYER STex142	81.2		58.7		36	7
Terral TV8848	81.2	95.1	61.5	61.8	36	7
PROGENY PGX 14-3	80.9		60.7		36	5
AgExp02444	80.8	95.6	59.4	59.7	32	5
SS EXP 8530	80.8		59.5		34	6
SC 1321™	80.5	94.7	58.9	60.3	32	6
BECK 120	80.3	95.6	58.2	59.9	32	5
Dyna-Gro 9171	80.2	93.9	58.5	59.8	32	6
AgriMAXX 446	79.9	98.6	60.5	61.5	34	7
Dyna-Gro WX14611	78.9		59.1		34	5
VA 10W-21	78.8	91.7	62.5	63.6	34	5
Dyna-Gro WX15742	78.0		58.0		36	6
SYNGENTA BRANSON	77.9		61.0		33	4
KY03C-1002-02	77.8	87.4	60.7	62.6	33	5
AgriMAXX 415	77.7	90.5	62.5	63.1	33	6
VA11W-230	77.7		62.7		33	3
Dyna-Gro 9591	77.5	92.1	60.9	62.3	36	4
PEMBROKE 2014	76.9	87.7	61.6	63.3	32	5
SC 1325-15™	76.8	91.0	59.6	61.2	33	4
Delta Grow 7500	76.7	89.3	60.4	60.6	33	6
USG 3756	76.7		60.6		36	4
SYNGENTA SY 007	76.5	87.2	60.2	61.7	36	3
Delta Grow 3200	76.4	86.7	60.2	61.7	30	5
Brodbeck 202	76.1		59.3		38	7
PEMBROKE 2008	76.0	85.8	61.9	62.5	35	6
SYNGENTA SY 547	75.5	91.6	60.8	61.9	35	6
KY03C-1237-10	75.3	86.8	59.7	62.2	33	6
Delta Grow 9700	75.0	92.2	59.5	60.2	36	9
SS EXP 8513	75.0		61.8		35	3
ARMOR ARX 1418	74.8		58.6		36	6
AgExp0762	74.5	93.1	59.3	60.7	32	6
L-Brand 264	74.5		61.6		33	5
BECK EX 5315	73.8		60.2		35	5
L-Brand 377	73.2		61.3		35	5
PROGENY P 117	72.3	80.8	60.7	61.2	37	5
SC 1315-15™	71.0		60.0		35	4
PROGENY P 410	69.6		60.9		36	6
KY06C-1201-18-6-3	68.1		62.4		35	5
L-Brand 461	67.0		61.9		37	5
L-Brand 347	66.7		62.5		34	5
KY05C-1051-37-18-5	63.7		63.7		38	7
KAS 5058	60.9	80.0	63.1	63.9	34	6
SS 8415	60.1	77.4	58.7	60.0	34	4
PROGENY PGX 14-5	54.2		62.2		36	6
L-Brand 304	53.3	77.4	62.8	63.7	36	6
Dixie DXEX 15-2	52.2		59.2		36	6
KY05C-1369-14-6-3	49.8		61.5		37	2
AVERAGE	81.6	93.5	60.6	61.3	35	6
C.V.	7.2	7.0				
LSD (0.10)	9.8	7.3				

Location: Union Co., No-till, Lodging = 0%

Planting date: 10-18-14

Harvest date: 6-22-15

Table 9. 2015 Kentucky Wheat Test - Bluegrass Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
STEYER MORRIN	86.2		58.6		31	10
L-Brand 377	86.0		58.7		33	8
Dixie DEX 13-3	82.3	86.5	59.4	58.0	32	10
AgriMAXX 413	82.2	85.3	56.3	55.1	31	8
AgriMAXX 438	82.1	85.5	56.5	56.1	32	10
ARMOR ARX 1327	81.8	91.0	58.6	57.5	31	11
Delta Grow 9700	81.4	91.3	58.0	56.4	32	10
PROGENY PGX 13-6	81.4	87.3	58.3	57.3	31	10
AgriMAXX EXP 1555	81.1		58.0		32	9
ARMOR ARX 1433	81.1		58.0		30	9
STEYER EVANS	81.0		57.9		32	11
SC 1342™	80.8	89.6	56.5	56.5	32	11
Dixie Extreme	80.4	91.7	57.7	56.8	31	11
AgriMAXX 447	80.3	83.9	58.3	56.7	31	10
BECK EX 5307	80.3		58.6		31	10
Pioneer variety XW13W	80.0		57.5		31	9
Delta Grow 2700	79.8		58.1		30	11
BECK 120	79.6	83.0	56.1	55.2	30	8
Terral TV8848	78.9	88.9	58.4	58.1	32	10
SYNGENTA SY 483	78.9	88.7	57.5	56.3	30	10
Pioneer variety 25R40	78.7	83.5	58.0	56.9	29	10
Pioneer variety 26R10	78.7	88.6	57.3	56.9	30	10
Dyna-Gro 9171	78.6	84.2	56.2	55.1	31	8
PROGENY P 870	78.4	84.1	55.5	55.0	31	8
Pioneer variety XW13T	78.4		57.2		27	9
SYNGENTA SY 547	78.1	85.7	58.4	58.0	33	8
Delta Grow 7500	77.7	78.7	57.1	55.2	31	8
SC 1321™	77.6	85.2	54.8	54.9	31	8
USG 3404	77.5	84.6	57.8	56.9	31	11
ARMOR ARX 1441	77.4		59.0		31	9
ARMOR ARX 1325	77.4	84.2	57.8	56.9	29	10
AgriMAXX 446	77.3	87.9	57.4	57.0	29	10
AgriMAXX 444	77.0	85.9	57.6	56.6	31	11
KAS S1200	76.9	81.9	56.3	55.2	30	8
PROGENY P 357	76.7	86.7	55.7	54.7	30	10
Dyna-Gro 9522	76.7	87.7	57.6	56.9	31	10
VA 10W-21	76.6	84.7	60.4	59.2	31	9
Dixie DEX 15-1	76.5		58.1		30	11
KAS S2000	76.4	80.8	57.4	55.8	30	8
BECK EX 5401	76.2		57.4		31	10
ARMOR ARX 1413	76.1		57.6		31	10
PROGENY PGX 14-3	76.1		57.6		33	8
SS 8700	76.0	81.8	55.4	55.0	32	10
SYNGENTA SY 474	76.0	74.5	59.7	58.0	34	10
Equity Brand Butler	75.8	80.9	57.4	55.8	30	10
SC 1335-15™	75.4	84.6	57.0	56.9	32	9
USG 3013	75.3	86.1	57.1	56.4	31	11
AgExp02444	75.2	78.9	57.8	55.2	31	8
AgExp0762	75.0	79.4	57.1	55.9	30	8
L-Brand 264	75.0		58.8		32	7
Dyna-Gro WX15712	75.0		57.3		31	10
L-Brand 461	74.8		60.3		35	8
SC 1325-15™	74.4	80.9	56.2	56.0	30	8
AgriMAXX 415	74.3	79.3	59.7	58.9	29	9
ARMOR OCTANE	74.2	82.1	58.0	56.9	29	10
Dyna-Gro 9223	74.1	87.6	57.0	56.3	32	10
Delta Grow 3200	74.0	86.0	57.9	57.0	27	8
L-Brand 304	73.9	82.6	60.9	60.2	35	8

Table 9. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
Dyna-Gro 9591	73.6	73.7	57.2	56.4	32	7
BECK 125	73.5	84.1	56.5	56.6	31	10
SS 8415	73.5	72.8	57.8	55.1	35	8
SS 8360	73.3	84.4	57.7	56.9	30	10
SS 8340	73.0	81.7	59.6	59.2	30	9
USG 3438	73.0	79.8	55.5	54.9	31	8
SS EXP 8513	72.5		58.9		34	6
L-Brand 347	72.4		59.7		34	8
SYNGENTA BRANSON	72.4		56.7		30	8
Dixie McAlister	72.3	80.8	55.8	54.7	30	9
Equity Brand Guardian	72.3	79.3	59.2	57.8	34	10
KAS 5058	72.3	84.0	61.0	60.1	32	9
KY06C-1003-139-16-5	72.2	77.5	57.9	57.2	30	8
STEYER STex142	72.0		56.1		33	8
Terral TV8861	71.9	77.0	57.7	57.6	29	11
SS EXP 8530	71.8		56.8		32	8
Hilliard	71.8		58.5		31	9
BECK EX 5315	71.7		57.3		32	7
KY06C-1201-18-6-3	71.7		58.6		33	7
KAS Liberty IV	71.2		55.1		30	9
PEMBROKE 2008	71.1	76.7	59.0	57.6	31	9
PROGENY PGX 14-5	71.0		60.1		35	7
SC 1315-15™	70.9		57.4		33	7
KY03C-1237-12	70.8	78.2	57.3	57.0	32	8
Pioneer variety 26R41	70.5	80.5	56.7	56.1	29	9
Pioneer variety 26R53	70.3	80.6	59.0	57.8	28	11
Brodbeck 305	70.1		58.2		34	10
ARMOR ARX 1412	69.9		57.6		33	9
Dyna-Gro WX15742	69.5		54.8		31	9
ARMOR HAVOC	69.4	86.3	57.5	57.5	29	10
Brodbeck 202	68.6		56.5		34	9
USG 3756	68.4		57.7		32	8
KY03C-1002-02	68.0	76.0	57.3	56.8	31	8
Truman	68.0	77.6	59.5	58.6	35	14
SYNGENTA SY 007	68.0	74.1	57.7	56.8	32	8
KY03C-1237-10	67.9	75.3	57.3	56.6	29	10
PEMBROKE 2014	67.9	79.5	58.3	58.1	30	7
KY04C-2004-1-1-1	67.7	78.5	59.9	59.2	33	10
KY03C-1237-05	67.4	74.4	57.6	56.2	30	12
KAS Lowery	67.2		58.7		32	10
Pioneer variety 25R32	67.1	71.3	57.6	56.6	31	9
VA11W-230	67.0		60.4		31	8
PROGENY P 410	67.0		57.8		33	9
Dixie Kelsey	66.7		60.0		29	10
PROGENY P 117	65.9	73.8	57.0	57.5	33	9
ARMOR ARX 1418	65.1		54.4		32	8
Dyna-Gro WX14611	63.8		56.0		31	8
KY06C-3058-53-3-3	63.4		59.6		30	8
KY05C-1369-14-6-3	63.2		61.2		35	6
Dixie DEXE 15-2	62.7		56.9		36	8
KY05C-1051-37-18-5	61.9		59.8		32	10
AVERAGE	74.0	82.3	57.8	56.8	31	9
C.V.	6.9	8.2				
LSD (0.10)	8.5	7.6				

Location: Fayette Co. (Lexington, KY), Conventional tillage, Lodging = 0%

Planting date: 10-24-14

Harvest date: 6-24-15.

Table 10. 2015 Kentucky Wheat Test - Southern Tier Region A.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015	2015
ARMOR ARX 1325	121.3	116.7	61.8	61.1	0	34	4
Terral TV8848	120.9	114.5	61.5	60.7	1	36	4
Dyna-Gro WX15712	119.7		61.4		0	37	5
KAS Liberty IV	119.3		60.4		4	36	3
Pioneer variety XW13W	118.4		62.6		0	36	4
AgriMAXX 438	118.4	111.5	60.4	60.3	8	38	5
AgriMAXX EXP 1555	118.4		60.8		1	37	4
PROGENY P 357	118.0	115.7	59.0	58.6	0	36	5
ARMOR ARX 1413	117.4		61.6		0	37	4
STEYER MORRIN	116.4		59.3		4	37	5
SS 8360	116.1	116.1	62.0	61.2	0	36	4
SC 1342™	115.8	115.9	61.1	60.6	1	38	5
AgriMAXX 415	115.7	115.0	63.1	62.4	0	35	3
KY03C-1237-12	114.8	109.7	62.9	61.7	0	36	3
PROGENY PGX 14-3	114.6		61.7		0	40	2
Pioneer variety 25R40	114.4	113.2	61.3	60.4	0	35	4
Dixie Extreme	114.3	115.6	60.2	59.9	0	37	5
AgriMAXX 446	114.0	110.4	60.9	60.4	0	37	4
Delta Grow 2700	113.6		60.6		0	37	4
SS EXP 8530	112.3		60.1		0	36	2
KY03C-1237-05	112.2	106.4	62.6	62.0	0	37	7
BECK 125	111.7	109.1	61.2	60.8	0	38	3
KY03C-1002-02	111.5	108.2	62.1	61.4	0	35	2
BECK EX 5307	111.4		60.8		0	36	4
Dyna-Gro 9223	111.2	112.2	60.9	60.5	0	38	5
KAS Lowery	111.2		61.2		0	37	6
Equity Brand Guardian	111.0	105.6	61.5	61.1	1	38	5
USG 3013	111.0	111.3	60.0	59.8	0	39	5
USG 3756	110.9		61.9		0	39	2
BECK EX 5401	110.7		61.5		0	37	5
Dyna-Gro 9522	110.5	109.6	60.7	59.8	0	36	4
Dixie DEX 13-3	110.2	111.0	62.2	61.9	0	37	4
SYNGENTA SY 483	110.1	110.3	60.3	60.2	0	38	5
ARMOR ARX 1441	110.0		62.1		0	35	3
KAS S2000	109.8	109.5	60.4	60.5	0	35	3
BECK EX 5315	109.6		61.2		0	38	2
Dixie McAlister	109.4	110.0	59.0	59.2	0	34	3
ARMOR ARX 1433	109.3		59.5		0	35	4
SC 1335-15™	109.2	109.8	61.7	61.4	0	37	3
L-Brand 377	108.9		59.9		0	38	3
BECK 120	108.5	113.7	59.1	59.1	0	35	2
Pioneer variety 26R10	108.4	110.1	61.6	60.9	0	35	4
PROGENY P 870	108.4	109.6	59.1	59.3	0	35	3
ARMOR HAVOC	108.3	112.5	61.5	60.9	0	35	4
STEYER EVANS	108.1		60.8		0	35	6
Dixie DEX 15-1	108.0		60.6		0	36	5
Brodbeck 305	107.9		61.3		1	39	5
Pioneer variety 26R41	107.6	108.0	62.2	61.3	0	35	4
KY04C-2004-1-1-1	107.5	103.7	64.3	63.2	0	40	4
VA 10W-21	107.4	108.4	63.6	63.2	0	36	4
Hilliard	107.1		62.0		18	36	3
AgriMAXX 444	106.7	108.7	60.7	59.9	0	37	4
AgExp02444	106.6	107.4	58.9	58.5	0	36	3
Delta Grow 9700	106.6	111.4	60.4	60.3	18	37	5
KAS 5058	106.5	106.5	63.6	62.8	4	38	4
AgExp0762	106.5	106.6	60.7	60.3	0	35	4
SC 1321™	106.0	109.9	58.6	59.2	0	34	3
ARMOR ARX 1412	105.7		61.6		0	37	3

Table 10. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015	2015
Delta Grow 7500	105.7	107.6	60.6	60.0	0	36	3
SS 8700	105.6	104.5	60.5	60.3	0	36	5
Dixie Kelsey	105.6		63.2		0	36	4
KY03C-1237-10	105.6	103.5	62.6	61.9	0	36	3
AgriMAXX 413	105.3	107.5	58.6	58.7	0	35	2
SC 1315-15TM	105.2		62.2		0	37	3
KY06C-1201-18-6-3	104.8		62.6		0	38	2
KAS S1200	104.6	109.4	58.7	58.7	0	34	2
Pioneer variety XW13T	104.5		59.4		0	32	3
USG 3404	104.3	108.9	60.6	60.1	0	37	4
Dyna-Gro 9591	104.2	104.8	62.5	61.7	0	37	3
KY06C-1003-139-16-5	104.1	105.3	62.1	61.7	0	36	3
Equity Brand Butler	104.0	103.8	59.0	59.9	0	36	5
Dyna-Gro 9171	103.9	106.8	59.6	59.4	0	35	3
SS 8340	103.7	109.6	63.1	62.7	0	36	3
KY06C-3058-53-3-3	103.6		63.1		0	35	2
ARMOR OCTANE	103.6	113.2	58.9	59.9	0	37	5
AgriMAXX 447	103.5	106.7	59.4	59.8	0	38	5
SYNGENTA BRANSON	102.9		61.3		0	35	3
PEMBROKE 2014	102.9	102.9	63.1	62.8	0	34	2
ARMOR ARX 1327	102.9	108.8	60.8	60.1	0	37	5
Pioneer variety 26R53	102.8	104.7	62.2	61.5	0	35	4
STEYER STex142	102.7		60.0		0	37	3
Pioneer variety 25R32	102.5	102.5	62.4	61.8	0	36	4
Brodbeck 202	101.9		60.0		0	40	4
ARMOR ARX 1418	101.9		60.4		0	37	3
Terral TV8861	101.8	104.6	61.5	60.6	0	34	5
L-Brand 461	101.7		63.1		1	39	3
L-Brand 347	101.5		62.9		3	38	3
KY05C-1051-37-18-5	101.5		64.6		3	39	5
Delta Grow 3200	101.4	107.6	62.1	61.8	0	33	3
SYNGENTA SY 547	100.7	104.0	61.4	61.3	0	38	3
Dyna-Gro WX15742	100.6		60.3		0	37	3
USG 3438	100.5	107.9	59.0	59.2	0	35	2
L-Brand 264	100.5		61.3		3	35	2
PROGENY P 410	100.3		60.3		5	40	3
PEMBROKE 2008	100.2	101.7	61.9	61.5	0	36	4
SYNGENTA SY 474	99.9	103.5	61.5	61.2	0	39	5
PROGENY PGX 14-5	99.8		63.9		0	39	3
SC 1325-15™	99.5	104.3	59.9	60.3	0	35	2
L-Brand 304	99.4	102.4	64.0	63.7	0	39	3
PROGENY P 117	98.0	102.0	60.4	61.0	0	38	3
PROGENY PGX 13-6	97.8	106.9	60.3	60.2	0	37	4
Truman	97.5	99.6	60.6	60.7	0	40	10
SS 8415	96.3	96.0	58.2	58.9	0	36	2
SS EXP 8513	94.9		60.4		11	35	2
Dyna-Gro WX14611	93.6		59.9		0	37	2
SYNGENTA SY 007	92.3	97.3	61.1	61.0	0	37	2
VA11W-230	92.1		61.5		0	34	2
KY05C-1369-14-6-3	91.5		64.0		0	38	1
Dixie DXEX 15-2	85.8		61.3		10	41	2
AVERAGE	106.7	108.1	61.2	60.7	1	37	4
C.V.	7.6	7.3					
LSD (0.10)	13.4	9.2					

Location: Logan Co., Conventional tillage

Planting date: 10-14-14

Harvest date: 6-17-15

Table 11. 2015 Kentucky Wheat Test - Southern Tier Region B.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015	2015
ARMOR ARX 1433	116.1		56.7		0	36	4
USG 3756	114.9		59.6		0	41	3
AgriMAXX 446	112.9	109.8	59.2	58.6	1	38	5
SS 8360	110.4	106.1	59.5	58.3	1	38	5
BECK EX 5307	109.9		58.2		4	39	6
SYNGENTA SY 483	109.3	102.5	57.9	56.1	1	39	6
Pioneer variety XW13W	109.1		58.8		0	40	4
KY03C-1237-12	108.9	98.1	58.2	58.6	0	38	4
BECK 120	108.4	109.0	55.1	55.8	0	36	3
PROGENY PGX 14-3	108.2		58.2		1	42	3
ARMOR ARX 1413	107.4		58.6		0	40	5
SC 1342™	107.4	101.7	58.7	57.6	6	40	5
AgriMAXX 444	107.3	104.3	58.6	57.5	0	39	5
Equity Brand Butler	106.7	93.8	58.8	56.4	0	39	6
USG 3013	106.4	102.8	59.1	58.0	6	40	6
ARMOR ARX 1441	106.2		58.3		34	36	4
KAS S1200	106.0	106.2	55.6	55.9	0	37	3
ARMOR ARX 1325	105.5	104.8	58.8	58.1	0	38	5
KAS Lowery	105.2		61.0		6	40	5
BECK EX 5315	105.1		58.8		3	42	3
SC 1315-15™	105.0		59.6		1	39	3
ARMOR HAVOC	104.9	102.8	58.5	58.3	0	37	4
Dyna-Gro WX15712	104.5		58.9		8	39	5
VA 10W-21	104.5	103.9	60.1	61.1	0	37	4
USG 3404	104.2	101.3	58.4	57.4	0	39	6
Pioneer variety XW13T	104.1		57.7		0	35	4
SYNGENTA SY 547	104.0	100.4	58.6	58.5	4	41	3
Dyna-Gro WX15742	103.7		56.5		1	39	3
AgriMAXX 413	103.5	106.6	55.6	55.7	0	36	3
L-Brand 264	103.1		58.8		0	38	3
PROGENY PGX 13-6	103.0	100.3	57.8	57.1	9	39	5
AgriMAXX 438	103.0	104.2	59.4	58.2	6	40	5
SC 1321™	102.8	103.6	55.3	55.9	0	37	3
AgriMAXX EXP 1555	102.7		59.0		0	40	5
Dyna-Gro 9171	102.6	103.7	55.6	55.9	0	36	3
USG 3438	102.5	107.1	55.8	56.5	0	36	3
Dyna-Gro WX14611	102.4		56.6		0	39	3
PEMBROKE 2014	102.0	99.1	59.2	60.7	0	35	3
KAS Liberty IV	102.0		56.2		19	39	4
ARMOR ARX 1412	101.9		58.2		3	40	4
SC 1335-15™	101.8	100.7	59.0	58.4	0	38	5
KAS S2000	101.8	105.2	56.8	58.0	0	37	3
Pioneer variety 26R10	101.7	98.4	58.2	56.9	0	38	5
PROGENY P 870	101.6	103.9	54.8	55.4	0	37	3
KY03C-1002-02	101.5	97.5	57.6	59.1	1	37	3
BECK EX 5401	101.5		59.0		3	40	5
AgExp02444	101.2	103.5	56.8	57.6	0	37	3
Terral TV8848	101.1	102.7	58.8	58.3	9	39	4
Dyna-Gro 9223	101.1	100.6	58.0	57.4	6	39	5
Hilliard	100.8		57.4		0	40	3
SYNGENTA SY 007	100.8	98.8	58.4	59.4	13	39	3
Delta Grow 9700	100.4	103.9	57.6	57.9	23	40	6
STEYER STex142	100.3		56.1		1	39	3
AgExp0762	100.1	104.0	56.1	57.5	0	37	3
Delta Grow 7500	99.5	101.4	58.1	57.2	5	40	4
Brodbeck 305	99.5		61.1		0	40	5
Truman	99.4	92.5	60.5	58.8	0	41	10
Pioneer variety 26R53	99.2	98.7	60.2	59.7	0	36	4

Table 11. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015	2015
KY04C-2004-1-1-1	99.1	97.0	61.5	61.1	18	41	5
Brodbeck 202	98.8		58.1		0	43	4
AgriMAXX 447	98.7	95.6	59.1	57.5	0	40	5
L-Brand 304	98.6	97.7	61.6	62.3	0	42	3
PROGENY P 410	98.0		59.7		4	43	4
Dixie DEX 15-1	97.9		57.9		1	39	6
Dixie DEX 13-3	97.3	97.2	59.4	58.5	0	39	6
BECK 125	96.9	99.1	58.5	58.3	0	38	5
SS EXP 8530	96.7		56.9		0	39	3
STEYER MORRIN	96.7		58.8		0	40	5
Delta Grow 2700	96.7		57.8		5	38	6
Pioneer variety 25R40	96.6	97.8	59.5	57.3	0	36	5
Dixie Kelsey	96.6		59.7		4	37	4
L-Brand 461	96.6		59.6		26	41	3
Pioneer variety 26R41	96.4	99.7	57.4	58.0	0	37	4
Terral TV8861	96.4	93.1	58.7	57.4	0	37	6
SYNGENTA SY 474	96.3	93.5	58.0	58.0	14	40	4
SYNGENTA BRANSON	96.2		57.0		6	37	3
KY06C-3058-53-3-3	96.2		60.8		0	36	4
STEYER EVANS	96.0		57.3		30	38	5
SS 8340	96.0	100.1	59.5	60.4	1	37	4
SC 1325-15™	95.6	100.7	55.8	57.9	0	36	4
Dyna-Gro 9591	95.6	97.8	58.8	59.7	28	39	3
L-Brand 347	95.5		59.1		38	41	4
ARMOR ARX 1327	95.5	97.3	57.5	56.7	0	39	5
Equity Brand Guardian	95.4	94.0	59.7	58.9	29	40	5
Pioneer variety 25R32	95.0	93.4	59.7	59.7	5	39	4
Dyna-Gro 9522	94.8	98.2	56.7	56.8	14	39	5
PROGENY PGX 14-5	93.9		61.7		1	42	4
SS 8700	93.9	92.3	55.5	55.2	1	39	5
PEMBROKE 2008	93.9	95.4	58.9	59.2	0	39	4
KY06C-1003-139-16-5	93.6	95.8	59.5	59.3	6	39	4
Dixie Extreme	93.3	95.9	58.7	57.7	9	40	6
Dixie McAlister	93.3	98.0	54.4	55.1	8	36	3
L-Brand 377	93.3		57.5		25	39	4
ARMOR ARX 1418	93.1		56.0		1	39	3
AgriMAXX 415	90.6	96.1	60.4	60.5	11	37	4
KY03C-1237-05	90.3	93.1	57.1	58.8	10	38	7
ARMOR OCTANE	89.7	92.3	57.6	57.1	0	39	6
KY03C-1237-10	89.7	93.0	57.6	59.2	0	35	4
SS 8415	89.0	86.5	54.3	53.8	26	38	3
VA11W-230	88.8		57.8		8	36	3
KY06C-1201-18-6-3	88.1		59.3		1	39	3
PROGENY P 357	86.9	92.4	52.7	53.4	31	37	6
PROGENY P 117	86.6	95.9	56.4	58.3	38	41	3
KY05C-1369-14-6-3	86.1		61.2		9	39	2
KAS 5058	85.7	95.5	58.5	59.7	63	40	4
KY05C-1051-37-18-5	84.2		61.6		50	39	5
SS EXP 8513	81.8		54.6		55	37	1
Delta Grow 3200	81.7	87.2	58.0	57.8	0	34	4
Dixie DEX 15-2	79.2		57.4		19	43	3
AVERAGE	99.1	99.2	58.2	57.9	7	39	4
C.V.	7.3	7.9					
LSD (0.10)	11.9	9.1					

Location: Trigg Co., Conventional tillage

Planting date: 10-25-14

Harvest date: 6-22-15

Table 12. 2015 Kentucky Wheat Test - North Central Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
AgriMAXX 438	82.4	82.1	59.2	57.4	33	8
ARMOR ARX 1327	82.3	90.2	58.4	57.5	33	8
L-Brand 377	82.0		59.5		33	7
STEYER MORRIN	81.3		58.6		32	8
SS 8700	81.2	84.6	57.0	56.8	34	8
Equity Brand Butler	80.8	86.9	58.0	57.6	33	8
Delta Grow 2700	80.6		58.2		33	8
AgriMAXX 447	80.4	87.4	58.4	58.2	34	8
USG 3013	80.4	89.0	57.7	57.2	33	8
PROGENY PGX 13-6	80.2	81.0	58.3	56.8	32	8
SC 1325-15™	79.7	88.1	56.7	56.5	32	5
Equity Brand Guardian	79.4	77.6	60.3	58.2	35	9
Dixie DEX 13-3	79.1	90.5	58.3	58.1	34	8
SYNGENTA SY 483	79.0	82.9	59.2	57.8	33	8
Pioneer variety 26R41	78.8	85.0	58.2	58.4	31	7
ARMOR ARX 1413	78.8		58.7		32	7
ARMOR OCTANE	78.7	89.4	57.5	57.7	32	8
AgriMAXX 444	78.6	87.1	58.5	57.8	32	8
AgriMAXX 413	78.4	88.5	57.5	57.3	33	5
SYNGENTA SY 547	78.4	88.1	58.7	58.7	35	6
USG 3404	78.3	85.3	57.4	57.5	33	8
BECK 120	78.3	85.1	56.0	56.0	31	6
Dyna-Gro WX14611	78.1		58.8		33	5
BECK EX 5307	78.0		57.5		33	8
AgriMAXX 446	77.8	86.9	57.9	58.5	31	7
Dyna-Gro 9223	77.8	82.0	57.8	57.5	34	8
Dixie Extreme	77.7	88.7	58.6	57.7	34	8
KAS S2000	77.7	84.5	56.8	57.5	31	6
SS EXP 8513	77.6		58.9		35	5
STEYER EVANS	77.3		58.0		31	8
ARMOR ARX 1441	77.1		59.0		32	6
PROGENY P 357	77.1	77.4	56.7	55.0	32	8
PROGENY P 870	77.1	83.5	56.9	56.4	31	6
Terral TV8848	76.9	73.4	60.5	57.5	32	7
Dyna-Gro 9171	76.6	87.9	57.2	56.5	31	5
KAS S1200	76.3	81.5	57.1	56.6	31	6
Pioneer variety 26R10	76.3	87.8	58.9	58.3	31	7
SS 8360	76.2	86.1	59.1	58.8	31	8
ARMOR ARX 1325	75.8	84.6	57.7	58.2	31	7
Pioneer variety XW13W	75.3		56.8		33	7
Dyna-Gro 9522	75.3	84.0	57.5	57.7	32	8
Dixie DEX 15-1	75.2		58.9		33	7
SYNGENTA SY 474	75.2	77.1	59.0	58.3	36	8
KY06C-1003-139-16-5	75.1	78.6	58.0	57.9	34	7
USG 3438	75.1	80.5	56.8	56.5	31	6
ARMOR ARX 1418	75.0		57.6		33	6
KAS Liberty IV	75.0		56.4		32	6
SC 1342™	74.6	86.7	58.2	57.3	34	8
BECK 125	74.5	80.2	57.0	57.0	33	7
Dixie McAlister	74.3	81.4	56.5	55.7	30	6
SYNGENTA BRANSON	74.2		58.3		31	4
ARMOR ARX 1412	74.1		59.0		33	8
SS 8415	74.0	87.0	58.9	57.7	34	5
Pioneer variety 25R40	73.9	80.5	58.1	58.4	30	9
SC 1321™	73.9	84.4	56.0	55.9	31	6
KY03C-1237-05	73.6	83.9	56.4	57.7	30	11
Brodbeck 305	73.6		60.9		35	8

Table 12. (continued)

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > May 1
	2015	2014-15	2015	2014-15	2015	2015
AgExp02444	73.2	81.0	57.3	55.1	31	6
Delta Grow 9700	73.1	81.6	59.2	57.3	33	8
SC 1335-15™	73.1	80.7	56.3	56.8	32	7
KY03C-1237-10	73.1	86.8	55.8	57.6	31	8
Pioneer variety XW13T	72.8		57.1		28	7
BECK EX 5401	72.8		57.6		32	8
Dixie Kelsey	72.8		59.2		32	7
SYNGENTA SY 007	72.7	80.8	57.0	57.6	33	4
BECK EX 5315	72.3		56.2		36	6
L-Brand 304	72.3	73.5	60.7	60.4	36	7
KY06C-1201-18-6-3	72.3		58.8		34	5
SS EXP 8530	72.1		56.9		33	5
Dyna-Gro WX15712	72.0		58.4		32	8
VA11W-230	71.6		59.6		31	5
L-Brand 264	71.2		59.0		32	5
ARMOR HAVOC	70.9	83.8	58.1	58.7	30	7
Delta Grow 7500	70.8	77.4	57.0	56.2	31	6
SC 1315-15™	70.7		58.7		34	6
AgriMAXX 415	70.7	81.4	60.4	60.1	32	7
PEMBROKE 2008	70.6	78.0	57.9	57.8	32	6
Truman	70.5	75.6	57.5	57.2	35	13
USG 3756	70.4		57.1		34	6
Dyna-Gro 9591	70.2	82.4	57.1	58.4	34	6
KY03C-1002-02	70.1	73.6	57.6	58.1	33	6
AgriMAXX EXP 1555	70.1		57.8		32	8
Pioneer variety 25R32	70.1	73.9	58.9	58.7	33	7
STEYER STex142	70.0		55.0		33	7
PROGENY PGX 14-3	69.8		56.9		33	6
Terral TV8861	69.3	77.4	58.7	58.4	30	8
KAS 5058	69.2	79.1	59.1	59.3	33	8
KY06C-3058-53-3-3	69.1		60.4		31	5
PEMBROKE 2014	69.0	78.9	57.8	58.9	30	5
AgExp0762	68.8	82.3	58.2	57.7	32	6
L-Brand 461	68.6		60.3		38	6
PROGENY PGX 14-5	67.8		60.2		35	7
L-Brand 347	67.6		60.2		34	7
KY03C-1237-12	67.5	76.1	57.1	58.0	31	6
Dyna-Gro WX15742	67.4		56.6		34	7
PROGENY P 410	67.3		58.4		36	7
KAS Lowery	67.2		59.7		34	9
Delta Grow 3200	66.9	80.7	55.1	56.7	29	6
ARMOR ARX 1433	66.7		57.5		30	8
VA 10W-21	66.2	78.7	59.1	59.5	32	6
Hilliard	65.8		58.5		32	6
Pioneer variety 26R53	65.5	82.7	58.1	58.8	30	7
SS 8340	65.3	75.6	58.1	58.7	31	8
KY05C-1051-37-18-5	63.6		60.8		33	9
KY04C-2004-1-1-1	63.1	73.4	60.8	60.8	33	8
Brodbeck 202	61.4		57.4		34	8
Dixie DEX 15-2	60.9		57.4		38	5
PROGENY P 117	60.6	69.1	58.4	57.6	33	7
KY05C-1369-14-6-3	60.4		59.7		36	4
AVERAGE	73.4	82.1	58.1	57.7	33	7
C.V.	8.4	12.5				
LSD (0.10)	10.2	11.6				

Location: Woodford Co., Lodging = 0%, Conventional tillage

Planting date: 10-9-14

Harvest date: 6-25-15

Table 13. 2015 Kentucky Wheat Disease Ratings.

VARIETY	Septoria tritici	Stagonospora nodorum
AgExp02444	6.7	3.3
AgExp0762	7.3	4.7
AgriMAXX 413	6.7	5.3
AgriMAXX 415	6.0	5.3
AgriMAXX 438	6.3	6.3
AgriMAXX 444	5.0	3.7
AgriMAXX 446	5.3	4.3
AgriMAXX 447	6.0	4.7
AgriMAXX EXP 1555	7.0	6.0
ARMOR ARX 1325	4.7	3.3
ARMOR ARX 1327	5.0	3.3
ARMOR ARX 1412	7.3	6.3
ARMOR ARX 1413	7.0	5.3
ARMOR ARX 1418	7.7	5.7
ARMOR ARX 1433	4.7	3.0
ARMOR ARX 1441	5.3	4.3
ARMOR HAVOC	8.3	8.3
ARMOR OCTANE	6.0	6.3
BECK 120	6.3	4.7
BECK 125	7.0	4.7
BECK EX 5307	4.3	3.0
BECK EX 5315	6.7	4.7
BECK EX 5401	7.3	5.3
Brodbeck 202	6.3	5.7
Brodbeck 305	5.3	4.3
Delta Grow 2700	4.3	3.0
Delta Grow 3200	6.0	4.0
Delta Grow 7500	7.3	5.0
Delta Grow 9700	7.3	6.0
Dixie DXEX 13-3	5.3	2.7
Dixie DXEX 15-1	4.3	2.7
Dixie DXEX 15-2	7.0	4.3
Dixie Extreme	6.3	5.7
Dixie Kelsey	7.3	4.7
Dixie McAlister	7.0	5.0
Dyna-Gro 9171	7.0	4.7
Dyna-Gro 9223	7.3	6.0
Dyna-Gro 9522	5.0	4.3
Dyna-Gro 9591	7.3	4.3
Dyna-Gro WX14611	8.0	5.3
Dyna-Gro WX15712	7.3	6.0
Dyna-Gro WX15742	6.0	6.0
Equity Brand Butler	6.0	5.3
Equity Brand Guardian	6.0	6.0
KAS 5058	6.7	5.3
KAS Liberty IV	7.0	4.0
KAS Lowery	6.7	6.0
KAS S1200	6.7	4.3
KAS S2000	7.0	4.7
KY03C-1002-02	8.3	5.7
KY03C-1237-05	7.3	5.3
KY03C-1237-10	9.0	5.7
KY03C-1237-12	8.7	6.0
KY04C-2004-1-1-1	7.3	6.7
KY05C-1051-37-18-5	8.3	5.7
KY05C-1369-14-6-3	8.0	6.3
KY06C-1003-139-16-5	7.3	4.7

VARIETY	Septoria tritici	Stagonospora nodorum
KY06C-1201-18-6-3	7.3	5.3
KY06C-3058-53-3-3	8.0	5.3
L-Brand 264	8.0	5.7
L-Brand 304	7.3	6.7
L-Brand 347	7.7	5.3
L-Brand 377	5.7	5.0
L-Brand 461	6.7	4.0
PEMBROKE 2008	6.7	5.3
PEMBROKE 2014	7.3	6.3
Pioneer variety 25R32	6.7	5.7
Pioneer variety 25R40	7.0	5.3
Pioneer variety 26R10	6.0	3.3
Pioneer variety 26R41	9.0	5.3
Pioneer variety 26R53	6.3	7.3
Pioneer variety XW13T	7.3	6.3
Pioneer variety XW13W	7.0	6.0
PROGENY P 117	8.0	6.0
PROGENY P 357	6.3	4.0
PROGENY P 410	7.3	5.3
PROGENY P 870	7.7	4.7
PROGENY PGX 13-6	5.3	3.7
PROGENY PGX 14-3	6.7	4.7
PROGENY PGX 14-5	8.3	6.3
SC 1315-15™	7.0	4.7
SC 1321™	7.0	5.7
SC 1325-15™	6.0	4.7
SC 1335-15™	7.7	6.7
SC 1342™	8.0	6.7
SS 8340	6.3	6.7
SS 8360	5.7	3.0
SS 8415	7.7	5.7
SS 8700	7.7	5.0
SS EXP 8513	7.0	6.3
SS EXP 8530	7.3	5.0
STEYER MORRIN	5.3	5.7
STEYER STex142	7.3	6.3
STEYER EVANS	5.0	4.3
SYNGENTA BRANSON	9.0	6.3
SYNGENTA SY 007	9.0	6.7
SYNGENTA SY 474	6.3	5.3
SYNGENTA SY 483	5.0	6.0
SYNGENTA SY 547	6.3	4.7
Terral TV8848	6.3	6.0
Terral TV8861	6.3	5.3
Truman	7.0	6.7
USG 3013	8.3	4.7
USG 3404	4.0	3.7
USG 3438	7.0	4.7
USG 3756	7.0	5.0
VA 10W-21	7.3	2.7
Hilliard	6.3	3.7
VA11W-230	8.7	4.7
AVERAGE	6.8	5.1

All disease ratings taken in Fayette Co., KY.
 Leaf Blotch Disease Rating scale: 1 = resistant;
 9 = susceptible.

Table 14. 2015 Kentucky Hulless Barley Variety Test.

VARIETY	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
VA13H-34	84.7	56.3	0	35	23
VA10H-33	82.6	53.1	0	36	23
VA13H-25	82.3	56.7	0	35	20
VA13H-38	81.6	56.3	0	41	23
VA13H-39	78.8	56.5	0	36	22
VA13H-49	77.9	56.6	0	34	23
DAN	74.6	57.3	0	35	23
VA06H-25	73.7	57.5	0	36	26
VA10H-57	72.6	56.0	0	37	23
DOYCE	70.5	53.8	0	33	21
VA12H-84	69.9	55.7	0	32	19
EVE	69.4	55.2	0	34	20
VA06H-79	69.4	54.6	0	35	25
AMAZE 10	68.4	57.7	0	36	24
AVERAGE	75.4	56.0	0	35	22

* 60-lb standard bushel weight.

Location: Caldwell County, (Princeton, KY), No-till**Planting date:** 10-8-14**Harvest Date:** 6-13-15**Table 15. 2015 Kentucky Barley Variety Test.**

VARIETY	Yield (Bu/A)*	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
	2015	2014-15	2015	2015	2015	2015
CASINO	128.0	118.8	42.3	0	32	25
SECRETARIAT	114.6	97.2	43.0	0	29	20
PRICE	106.3	108.8	45.3	0	28	20
ATLANTIC	103.6	101.8	43.6	0	29	20
THOROUGHbred	102.5	106.0	42.5	0	34	23
CALLAO	99.2	97.6	43.9	0	26	20
WYSOR	96.2	98.6	41.3	0	34	21
VIOLETTA	95.9		41.9	0	30	24
BARSOY	95.7	79.0	42.6	0	34	19
NOMINI	92.9	193.4	41.7	0	37	20
AVERAGE	103.5	111.2	42.8	0	31	21

* 48-lb standard bushel weight.

Location: Caldwell County, (Princeton, KY), No-till**Planting date:** 10-8-14**Harvest Date:** 6-13-15**Table 16. 2015 Kentucky Cereal Rye Variety Test.**

VARIETY	Yield (Bu/A)*	Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1
KWS Bono**	81.3	56.8	1	48	36
KWS Brasetto**	77.3	56.6	2	51	36
KWS Guttino**	74.1	56.2	1	46	37
Spooner	58.5	58.3	34	59	34
LAX Guardian	57.5	58.2	9	58	36
Aroostook	56.2	56.4	78	60	21
CCWRY1	56.2	56.8	14	60	36
Oklon	55.0	57.1	56	62	23
Maton II	53.3	56.5	73	61	20
Bates RS4	52.0	56.3	61	62	20
Maton	52.0	57.0	69	62	21
Elbon	51.3	56.9	63	62	21
AVERAGE	60.4	56.9	38	58	28

*56-lb standard bushel weight

** Hybrid Cereal Rye

Summary of Caldwell Co. test planted 10-8-14 and harvested 6-23-15 and Woodford Co. test planted 10-8-14 and harvested 6-25-15.

Table 17. 2015 Kentucky Triticale Variety Test.

VARIETY	Grain Yield (Bu/A)*	Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
LAX Hi Octane	80.4	55.0	45	36
SS 1414	68.6	53.7	43	29
Trical 336	66.0	50.8	44	34
Arcia	62.8	52.5	44	27
Trical 815	60.6	49.2	46	31
AVERAGE	67.7	52.3	45	31

* 60-lb standard bushel weight

Lodging = 0%

Summary of Caldwell Co. test planted 10-8-14 and harvested 6-23-15 and Woodford Co. test planted 10-8-14 and harvested 6-25-15.

Table 18. 2015 Kentucky Oat Variety Test.

VARIETY	Grain Yield (Bu/A)*	Test Wt. (Lb/bu)	Height (In)	Heading Date > May 1	Caldwell Co. Winter Survival	Woodford Co. Winter Survival	Fayette Co. Winter Survival
NC12-3578	147.1	37.1	32	9	100	100	66
Gerard 229	139.7	35.7	31	10	100	100	62
NC12-3742	131.5	35.5	34	11	100	97	48
Gerard 224	131.2	35.3	32	10	100	97	15
NC12-3963	121.8	35.0	31	11	100	100	45
LA 02065	113.6	33.2	34	10	100	100	23
Rodgers	112.5	34.0	36	9	100	100	23
SS 76-50	108.6	33.9	33	10	100	95	38
Horizon 201	107.9	32.0	36	9	100	85	6
Horizon 306	107.4	35.3	34	11	100	98	20
LA 07048	107.3	32.1	34	11	100	92	2
CCBO2	105.8	32.9	32	13	100	100	14
Brooks	91.7	33.6	37	11	100	97	38
RAM 99016	87.9	33.3	34	10	100	77	4
Horizon 207	83.3	33.3	30	10	100	87	2
NC09-4503N(naked)	71.4	40.2	33	9	100	87	3
AVERAGE	110.5	34.5	33	10	100	94	26

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

Lodging = 0%

Fayette Co. forage test was not harvested - due to poor winter survival (data listed) - planted 10-24-14.

Summary of Caldwell Co. test planted 10-8-14 and harvested 6-23-15 and Woodford Co. test planted 10-9-14 and harvested 6-25-15.



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