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PR-640

UNIVERSITY OF KENTUCKY College of Agriculture

2012 Kentucky Small Grain VARIETY PERFORMANCE TEST

B. Bruening, S. Swanson, J. Connelley, G. Olson, and D. Van Sanford

www.uky.edu/ag/WheatVarietyTest

The 2012 soft red winter wheat growing season ended with Kentucky farmers harvesting 450,000 acres of the 580,000 acres planted, for a total production of 27.9 million bushels of grain. An average yield of 62 bushels per acre was recorded (Table 1). The acreage not harvested for grain was primarily used for forage production.

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, and barley that are commercially available or may soon be available to Kentucky farmers. New varieties continually are being developed by agricultural experiment stations and commercial firms. Annual evaluation of small-grain varieties and selections provides farmers, seed producers, and other agricultural workers with current information to help them select the varieties best adapted to their locality and individual requirements.

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

Experimental Methods

One hundred four 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 pre-planting 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/A) in Kentucky, 2010-2012.*

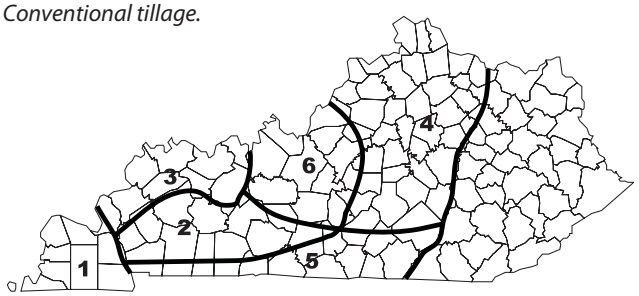
2012		2011		2010	
Harvested	**Yield**	**Harvested**	**Yield**	**Harvested**	**Yield**
450,000	62	440,000	70	250,000	66

**June 1, 2012, National Agricultural Statistics Service.*

Table 2. Agroclimatic regions of Kentucky small grain variety tests.

Region	Location	Cooperator	Crop Tested
1 Purchase	Graves Co.	Jed Clark	Wheat*
2 Western Coal Field	Caldwell Co.	Princeton Research and Education Ctr.	No-till Wheat, Barley
3 Ohio Valley	Henderson Co.	David Alexander	No-till Wheat
4 Bluegrass	Fayette Co.	Kentucky Ag. Exp. Station	Wheat*, Oat, Forage tests
5 Southern Tier	Logan Co.	Don Halcomb	Wheat*
	Trigg Co.	Ben Cundiff and Barry Alexander	Wheat*
6 North Central	Hardin Co.	Charlie and Jimmy Stuecker	No-till Wheat

** Conventional tillage.*



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/A) based on 60-pound, 48-pound, and 32-pound standard bushel weights for wheat, barley and oats, respectively at 13.5 percent moisture content. Test weights (lb/bu) were determined using a HarvestMaster Classic GrainGage. 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 locations in 2012. 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 complex and BYDV) were recorded from the Logan County (non-fungicide) test, and leaf rust, stripe rust, and powdery mildew ratings were recorded at Lexington, Ky. 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 outyields 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 very 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 should also 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 (hulled and hull-less) variety performance data are presented in Tables 6 and 7. Oat forage, grain, and straw yield data are presented in Table 5.

Test Conditions

Dry weather during October facilitated timely planting throughout much of the state. The 2012 Kentucky small-grain variety tests were planted between October 8, 2011, and October 16, 2011. Warm temperatures during November and December favored early growth and development. Mild January and February temperatures followed by unusually warm temperatures for March through May accelerated growth and reproductive development. Low temperatures on April 11-12 ranging from upper-twenties to low thirties caused freeze damage throughout the state (Tables 3 and 4). Due to severe freeze damage, the Logan County test was not harvested. The level of damage was related to the crop's stage of development and the temperature and duration at which the plants experienced below freezing temperatures. Varieties that were flowering at the time of freeze were severely damaged. Wheat in Kentucky headed about three to four weeks earlier than normal and was harvested approximately three weeks earlier than normal. Much of Western Kentucky experienced drought-like conditions during April and May which minimized disease pressure. Hot, dry conditions favored rapid dry-down and high grain test weights.

Acknowledgments

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Contact

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

Wheat Varieties Tested in 2012

AgriMAXX Wheat Co.
7167 Highbanks Rd.
Mascoutak, IL 62258

AgriMAXX 412
AgriMAXX 413
AgriMAXX 415
AgriMAXX 490
AgriMAXX Exp 1220

Armor Seeds
P.O. Box 178
Fisher, AR 72429

ARMOR ARX 1107
ARMOR ARX 1109
ARMOR ARX 1133
ARMOR ARX 1175
ARMOR RICOCHET

Beck's Hybrids
6767 E. 276th
Atlanta, IN 46031

Beck 113
Beck 120
Beck 126
Beck 135

Delta Grow Seed
P.O. Box 219
220 NW Second
England, AR 72046

Delta Grow 7300
Delta Grow 7500
Delta Grow 7900
Delta Grow 8300

Direct Enterprises
P.O. Box 978
Westfield, IN 46074

Edge
Sienna
Quest

Dyna-Gro Seed
6221 Riverside Dr.,
Suite 1
Dublin, OH 43017

Dyna-Gro 9012
Dyna-Gro 9042
Dyna-Gro 9171
Dyna-Gro 9911
Dyna-Gro Dinah
Dyna-Gro WX12603

Excel Brand Seed
257 E. Hail St.
Bushnell, IL 61422

Excel 168
Excel 171
Excel 337

Kentucky American Seeds, Inc.
205 Means Ave.
Hopkinsville, KY 42240

KAS S1000
KAS S1100
KAS S1200
KAS S950
KAS 5058

Kentucky Foundation Seed Project
University of Kentucky
P.O. Box 11950
Lexington, KY 40579

KY02C-2224-23
KY03C-1002-02
KY03C-1237-05
KY03C-1237-07
KY03C-1237-09
KY03C-1237-10
KY03C-1237-11
KY03C-1237-12
KY03C-1237-32
KY03C-1237-39

Kentucky Small Grain Growers Association
P.O. Box 90
Eastwood, KY 40018

Pembroke 2008

Pioneer Hi-Bred Intl.
700 Boulevard S.,
Suite 302
Huntsville, AL 35802

Pioneer variety 25R32
Pioneer variety 25R56
Pioneer variety 25R78
Pioneer variety 26R10
Pioneer variety 26R15
Pioneer variety 26R20
Pioneer variety 26R22
Pioneer variety XW10T
Pioneer variety XW10V

Progeny AG Products
1529 Hwy 193
Wynne, AR 72396

PROGENY 117
PROGENY 125
PROGENY 185
PROGENY 357
PROGENY 870
PROGENY PGX 11-14
PROGENY 308

Seed Consultants, Inc.
P.O. Box 370
Washington Court House, OH 43160

SC 1302
SC 1321
SC 1341
SC 1342

Southern States Coop.
P.O. Box 26234
Richmond, VA 23260

SS 520
SS 5205
SS 8302
SS 8340
SS 8404
SS 8500
SS 8700
SS EXP 8350
SS MPV-57

Steyer Seeds
6154 N. County Rd. 33
Tiffin, OH 44883

STEYER HEILMAN
STEYER HUNKER
STEYER JORDAN
STEYER KIDWELL

Syngenta Seeds
520 E. 1050 St., Box 411
Brookston, IN 47923

SYNGENTA B050154
SYNGENTA SY 483
SYNGENTA Oakes
SYNGENTA SY 1526
SYNGENTA W1104
SYNGENTA W1566

Terral Seeds
P.O. Box 826
Lake Providence, LA 71254

Terral TV8525
Terral TV8535
Terral TV8626
Terral TV8848
Terral TV8861

UniSouth Genetics
3205-C Hwy 46 South
Dickson, TN 37055-3521

USG 3201
USG 3251
USG 3438
USG 3555
USG 3562
USG 3612

University of Missouri
Columbia, MO 65211

Bess
Truman

Virginia Tech
P.O. Box 338
Warsaw, VA 22572

VA06W-412
VA07W-415
VA08W-176
VA08W-294

WestBred
6025 W. 300 S
Lafayette, IN 47905

Westbred WBX 700

List of Tables

Table 3. Freeze Injury in Wheat*.

Growth Stage	Feekes	Approx. Injurious Temp. (2hrs)	Primary Symptoms	Yield Effect
Tillering	1 - 5	12°F	Leaf chlorosis; burning of leaf tips; silage odor; blue cast to fields	Slight to moderate
Jointing	6 - 7	24°F	Death of growing point; leaf yellowing or burning; lesions, splitting, or bending of lower stem; odor	Moderate to severe
Boot	10	28°F	Floret sterility; spike trapped in boot; damage to lower stem; leaf discoloration; odor	Moderate to severe
Heading	10.1-10.5	30°F	Floret sterility; white awns or white spikes; damage to lower stem; leaf discoloration; odor	Severe
Flowering	10.51-10.54	30°F	Floret sterility; white awns or white spikes; damage to lower stem; leaf discoloration	Severe
Milk	11.1	28°F	White awns or white spikes; damage to lower stems; leaf discoloration; shrunken, roughened, or discolored kernels	Moderate to severe
Dough	11.2	28°F	Shriveled, discolored kernels; poor germination	Slight to moderate

* Source: UK ID-125; A Comprehensive Guide to Wheat Management in Kentucky, www.ca.uky.edu/agc/pubs/id/id125/id125.pdf.

Table 4. 2012 Kentucky Wheat Test Minimum Temperatures April 11-12, 2012*.

Test Location	4/11/2012	4/12/2012	Average Heading Date	Observed Damage
Graves County	32.1	29.9	April 8	Minor
Fayette County	31.3	30.9	April 21	Minor
Hardin County	31.5	29.4	April 18	Minor
Henderson County	34.1	30.4	April 11	Moderate
Caldwell County	31.9	29.8	April 11	Moderate
Logan County	33.2	29.0	April 8	Severe
Trigg County	33.1	28.9	April 8	Moderate

* Source: Kentucky Mesonet, www.kymesonet.org/index.html.

TABLE 5. 2012 Kentucky Oat Variety Test.

VARIETY	Grain Yield (Bu/A)*	Forage Yield DM (Tons/A)	Straw Yield DM (Tons/A)	Test Wt. (Lb/bu)	Lodging (%)	Winter Survival (%)	Height (In)	Heading Date > April 1
SS 76-50	131.6	4.35	1.30	33.4	0	100	28	22
SS 76-40	131.2	3.89	1.67	33.4	0	100	28	22
SS 76-30	113.8	3.10	1.57	33.0	0	100	34	17
Rodgers	111.2	3.69	1.13	32.9	0	100	31	21
Brooks	93.5	3.66	1.39	30.0	0	100	33	22
Bob	44.6	2.80	0.72	34.0	0	100	28	23
AVERAGE	**104.3**	**3.58**	**1.30**	**32.8**	**0**	**100**	**30**	**21**

Location: Bluegrass Region–Fayette Co.; Conventional tillage.
Planting date: 10-15-11; DM=Dry Matter Yield; **Forage Harvest date:** 5-16-12 @ Soft Dough Stage.
Grain and straw harvest date: 6/14/12; * 32-lb standard bushel weight.

TABLE 6. 2012 Kentucky Barley Variety Test.

	Yield (Bu/A)*		Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
VARIETY	2012	2011-12	2012	2012	2012
Novosadski 293	84.7		47.8	26	6
Novosadski 183	78.0		44.4	25	7
Atlantic	72.3	88.3	45.6	23	6
Thoroughbred	70.9	90.5	45.0	26	9
PST WB 5	66.1		42.4	28	15
PST WB 3	64.8		43.7	26	13
PST WB 4	64.5		41.6	26	14
Callao	64.5	63.4	40.1	23	6
Price	63.8	83.2	47.5	23	6
Barsoy	63.0	58.9	44.0	28	5
Nomini	61.7	56.2	46.2	29	5
Wysor	57.8	47.3	36.9	31	7
AVERAGE	**67.7**	**69.7**	**43.8**	**26**	**8**

Location: Caldwell County, (Princeton, KY).
Planting date: 10-9-11; No-till; **Harvest Date:** 5-30-12;
* 48-lb standard bushel weight. **Lodging** = 0%
NOTE: Test had moderate freeze damage.

TABLE 7. 2012 Kentucky Hulless Barley Variety Test.

VARIETY	Yield (Bu/A)*	Test Wt. (Lb/bu)	Height (In)	Heading Date > April 1
Doyce	68.6	51.4	25	5
VA09H-6WS	57.9	56.8	27	14
VA09H-178WS	55.1	58.3	28	7
VA08H-65	55.0	60.0	26	6
VA10H-64	54.1	58.3	23	6
Eve	52.6	56.6	26	5
VA07H-35WS	50.6	58.6	30	11
VA06H-25	48.1	57.2	29	11
VA09H-174	47.7	57.9	25	11
VA08H-61	47.5	58.1	27	5
VA08H-5BS	47.1	57.1	32	9
VA07H-31WS	47.1	57.6	29	9
Dan	45.7	55.9	30	8
VA06H-3WS	45.6	58.3	29	9
VA08H-79WS	44.2	57.5	29	14
VA09H-112(2R)	43.9	57.9	27	6
VA08H-72	42.8	57.5	28	8
VA06H-79	41.9	55.1	29	11
VA09H-4	37.7	58.0	24	8
VA09H-110(2R)	35.5	56.9	27	7
AVERAGE	**48.4**	**57.2**	**27**	**8**

Location: Caldwell County, (Princeton, KY).
Planting date: 10-9-11; No-till; **Harvest Date:** 5-30-12;
* 60-lb standard bushel weight. **Lodging** = 0%
NOTE: Test had moderate freeze damage.

Table 8. 2012 Kentucky Wheat Test–Overall State Summary.*

VARIETY	Yield (Bu/A) 2012	2011-12	2010-12	Test Wt. (Lb/bu) 2012	Lodging** (%) 2012	Height (In) 2012	Heading Date > April 1 2012
SS 8700	90.3	94.9	93.4	60.3	0	37	16
Pioneer variety 25R56	90.2	93.2	90.6	59.3	20	35	14
BECK 135	89.4	94.5	93.6	60.2	0	37	15
Westbred WBX 700	88.5			61.1	4	39	16
BECK 126	88.3	93.3		59.6	0	40	13
SYNGENTA W1104	87.9	92.0	91.4	58.9	1	36	15
Dyna-Gro 9042	87.7	93.9	92.2	60.3	0	35	14
SS 8500	87.5	87.4		60.4	0	39	15
SYNGENTA SY 483	87.5			59.9	0	36	15
USG 3251	87.1	94.0	92.5	60.4	0	37	15
Delta Grow 7300	86.7			58.3	0	35	15
USG 3612	86.7			59.6	5	36	12
Quest	86.6	91.6	90.2	59.2	0	38	16
STEYER KIDWELL	85.6	92.2		58.8	0	34	12
STEYER HUNKER	85.5			60.3	0	38	14
SC 1342	85.3			60.4	1	37	14
ARMOR ARX 1175	85.2			59.6	0	35	12
BECK 113	85.2	90.5	89.4	60.5	0	35	12
VA08W-176	84.8			62.7	0	36	14
BECK 120	84.8			58.6	0	34	12
STEYER HEILMAN	84.6			59.7	1	41	13
KAS S1100	83.7			59.3	0	36	12
KY03C-1237-11	83.7			61.0	0	37	12
Terral TV8848	83.4	90.5		60.5	4	35	15
Edge	83.1			60.4	0	38	15
PROGENY PGX 11-14	83.0			60.1	0	37	14
Pioneer variety 26R22	82.6	88.5	88.4	59.7	0	37	12
Dyna-Gro WX12603	82.6			60.1	11	37	14
Truman	82.2	84.5	82.8	60.0	0	40	24
SYNGENTA OAKES	82.1	84.8	84.5	62.4	0	36	13
ARMOR ARX 1133	82.1			58.5	0	33	12
Terral TV8626	81.7	89.7		58.2	0	35	15
Sienna	81.6	88.2	88.7	59.7	0	40	13
PROGENY 357	81.5	88.8		58.1	0	35	16
Pioneer variety 26R15	81.1	87.0	86.9	60.2	0	35	13
SS MPV-57	80.9	81.4	82.2	60.1	0	38	11
KAS S950	80.4			60.5	0	38	16
SC 1321	80.3	87.9	89.0	58.2	0	33	12
SC 1341	80.1	89.2	88.7	59.1	0	33	15
AgriMAXX 413	80.0	90.2		58.4	0	33	12
Delta Grow 7500	80.0	89.2		58.5	0	33	12
KAS S1200	80.0	89.3	90.4	58.5	0	33	13
PROGENY 870	79.8	89.0		58.4	0	33	12
KY03C-1237-10	79.7			60.2	0	35	12
SYNGENTA B050154	79.2			59.1	0	34	14
KY03C-1237-09	79.1			60.3	1	34	12
Pioneer variety 25R32	79.1	87.6	87.2	60.9	6	37	16
KAS 5058	79.1	86.3	86.9	61.3	1	37	14
Dyna-Gro 9171	78.9	89.3		58.5	0	33	12
Dyna-Gro Dinah	78.9	84.7	86.1	61.5	1	37	14
SYNGENTA SY 1526	78.8	87.4		58.8	0	39	12
VA06W-412	78.6			61.5	0	34	10
KAS S1000	78.2			59.9	0	38	15
Pioneer variety 26R20	78.0	82.8	83.3	61.1	1	37	15
ARMOR ARX 1109	78.0			59.1	0	34	13
KY03C-1237-39	77.7			60.9	0	35	11
SYNGENTA W1566	77.5	84.2	84.9	58.3	0	40	13
Pioneer variety 26R10	77.4	88.9		60.1	0	34	14
USG 3438	77.1			58.5	0	33	12

Table 8. *(continued)*

VARIETY	Yield (Bu/A) 2012	2011-12	2010-12	Test Wt. (Lb/bu) 2012	Lodging** (%) 2012	Height (In) 2012	Heading Date > April 1 2012
KY03C-1237-05	76.7			60.9	0	35	13
ARMOR RICOCHET	76.2	87.9	87.3	58.9	0	33	15
Terral TV8861	76.1	86.0	86.9	60.4	5	34	15
KY02C-2224-23	75.9			60.6	21	37	14
EXCEL 168	75.8			62.3	11	39	15
Pioneer variety 25R78	75.6	84.6	84.4	61.0	0	35	11
Terral TV8535	75.3	87.5		58.4	0	33	12
KY03C-1237-12	75.3			59.9	0	33	10
KY03C-1002-02	74.9			60.6	0	34	11
EXCEL 337	74.9			60.1	1	38	10
ARMOR ARX 1107	74.2			59.1	0	35	14
Bess	74.0	81.4	80.6	61.0	10	38	14
AgriMAXX Exp 1220	73.9			61.4	14	37	10
USG 3201	73.8	83.3		60.8	0	34	14
Dyna-Gro 9012	73.5	84.5	87.1	60.9	5	34	14
Dyna-Gro 9911	73.4	86.3	87.0	60.4	5	38	11
Pembroke 2008	73.3	84.0	84.2	60.4	0	35	10
SS EXP 8350	73.3			59.2	0	34	15
SS 8404	72.9	81.7	82.3	61.7	0	33	10
AgriMAXX 415	72.6	82.8		61.1	0	34	14
STEYER JORDAN	72.3	85.6		60.2	3	38	11
SS 8340	72.2	84.2		61.0	0	35	14
PROGENY 185	72.1	82.3	81.0	59.5	0	38	11
PROGENY 308	71.6			60.6	0	35	13
KY03C-1237-07	71.3			60.4	3	34	11
Delta Grow 7900	71.2	84.1		60.0	4	38	11
SS 8302	71.0	81.7	83.3	61.0	0	36	13
Pioneer variety XW10T	70.7			59.8	0	33	14
Terral TV8525	70.2	81.9		60.6	0	34	13
SS 5205	69.8	78.3	79.5	61.3	0	31	10
SC 1302	69.6			60.1	0	37	10
Pioneer variety XW10V	69.5			60.2	1	32	14
AgriMAXX 412	69.3	84.3		60.0	0	37	10
VA07W-415	68.8			59.2	0	37	9
PROGENY 117	68.8	81.9	81.4	60.0	16	38	8
SS 520	68.3	76.2	77.1	59.3	0	36	8
EXCEL 171	67.2			61.4	10	39	10
USG 3555	65.9		74.7	59.6	0	33	9
KY03C-1237-32	65.6	80.7		60.0	0	33	10
VA08W-294	65.4			59.6	0	35	10
USG 3562	64.3			60.0	0	33	13
AgriMAXX 490	61.9	75.7		60.3	5	37	8
Delta Grow 8300	61.1	67.5		58.6	3	35	9
PROGENY 125	58.4	73.7	74.3	58.6	0	34	7
Clark	57.4	67.9	67.9	58.6	0	38	12
AVERAGE	**77.5**	**85.7**	**85.3**	**60.0**	**2**	**36**	**13**
C.V.	8.3	7.5	7.3				
LSD (0.10)	3.4	5.1	4.1				

* Summary of five 2012 tests (Fayette, Hardin, Henderson, Trigg, Graves).

** Lodging data from Graves Co. test.

TABLE 9. 2012 Kentucky Wheat Forage Test.

VARIETY	DM Yield* at Soft Dough Stage Tons/acre 2012	2011-12	2010-12	Head Type
SC 1342	3.91			Smooth
Terral TV8626	3.89	3.84		Bearded
Dyna-Gro WX12603	3.87			Smooth
PROGENY 357	3.87	3.90		Bearded
Terral TV8848	3.80	3.65		Bearded
KY02C-2224-23	3.74			Smooth
USG 3612	3.70			Smooth
STEYER HUNKER	3.68			Smooth
VA08W-176	3.67			Smooth
VA08W-294	3.65			Smooth
VA06W-412	3.63			Smooth
Westbred WBX 700	3.63			Smooth
PROGENY PGX 11-14	3.62			Smooth
Dyna-Gro Dinah	3.61	3.60	3.28	Smooth
Delta Grow 7300	3.60			Bearded
BECK 135	3.59	3.49	3.21	Bearded
Dyna-Gro 9012	3.59	3.48	3.28	Bearded
USG 3201	3.57	3.39		Bearded
ARMOR ARX 1175	3.53			Smooth
ARMOR ARX 1109	3.52			Bearded
AgriMAXX 415	3.51	3.15		Bearded
Dyna-Gro 9042	3.50	3.70	3.33	Smooth
Pioneer variety 25R56	3.48	3.29	2.94	Smooth
USG 3251	3.48	3.64	3.22	Bearded
SYNGENTA W1104	3.46	3.54	3.15	Smooth
BECK 126	3.44	3.14		Smooth
Pioneer variety 26R20	3.44	3.41	3.09	Bearded
SS 8302	3.43	3.66	3.34	Bearded
AgriMAXX Exp 1220	3.40			Smooth
KAS S950	3.40			Smooth
Pioneer variety 26R15	3.40	3.58	3.21	Bearded
EXCEL 168	3.38			Smooth
SS 8700	3.37	3.64	3.44	Bearded
SYNGENTA OAKES	3.36	3.36	3.10	Smooth
Pioneer variety 25R32	3.35	3.40	2.98	Bearded
Pioneer variety 26R10	3.35	3.52		Bearded
SS 8500	3.35	3.36		Bearded
SYNGENTA SY 483	3.35			Smooth
ARMOR ARX 1107	3.34			Bearded
SS MPV-57	3.34	3.52	3.22	Smooth
BECK 113	3.33	3.53	3.21	Smooth
SS 8404	3.32	3.53	3.22	Bearded
KY03C-1237-10	3.31			Bearded
KY03C-1237-05	3.30			Bearded
PROGENY 870	3.29	3.27		Bearded
STEYER KIDWELL	3.29	3.50		Bearded
EXCEL 171	3.27			Smooth
AgriMAXX 413	3.26	3.17		Bearded
Terral TV8861	3.26	3.23	2.91	Bearded
Terral TV8535	3.25	3.23		Bearded
AgriMAXX 412	3.24	3.19		Smooth
SYNGENTA W1566	3.24	3.55	3.36	Smooth
Dyna-Gro 9911	3.23	3.38	3.09	Smooth
KY03C-1237-11	3.23			Bearded
PROGENY 308	3.23			Bearded
Pioneer variety XW10V	3.21			Bearded
STEYER JORDAN	3.21	3.36		Smooth
Pioneer variety XW10T	3.20			Bearded
SC 1321	3.18	3.18	2.90	Bearded
Truman	3.18	3.27	2.97	Smooth
KY03C-1237-07	3.17			Bearded
KY03C-1237-39	3.17			Bearded
SS 8340	3.17	3.26		Bearded
Edge	3.16			Smooth
KY03C-1237-32	3.16	3.22		Bearded
Pioneer variety 26R22	3.16	3.16	2.94	Bearded
SC 1341	3.16	3.31	3.00	Bearded
Delta Grow 7900	3.15	3.34		Smooth
ARMOR ARX 1133	3.13			Bearded
PROGENY 117	3.13	3.10	2.82	Smooth
KAS S1100	3.12			Smooth
KY03C-1237-12	3.12			Bearded
VA07W-415	3.12			Smooth
KAS 5058	3.11	3.28	2.94	Smooth
KY03C-1002-02	3.11			Bearded
STEYER HEILMAN	3.11			Smooth
USG 3555	3.11		2.83	Smooth
ARMOR RICOCHET	3.10	3.24	2.96	Bearded
SS EXP 8350	3.10			Bearded
AgriMAXX 490	3.08	3.02		Bearded
Delta Grow 7500	3.08	3.36		Bearded
Dyna-Gro 9171	3.08	3.27		Bearded
PROGENY 185	3.08	3.14	2.78	Smooth
Sienna	3.08	3.17	2.87	Smooth
SYNGENTA B050154	3.06			Bearded
Quest	3.03	3.21	2.87	Smooth
SYNGENTA SY 1526	3.03	3.08		Smooth
SS 5205	3.02	3.00	2.78	Smooth
BECK 120	3.00			Bearded
KY03C-1237-09	3.00			Bearded
Pembroke 2008	2.93	3.21	2.99	Bearded
Delta Grow 8300	2.91	3.04		Bearded
USG 3438	2.91			Bearded
SC 1302	2.88			Smooth
KAS S1200	2.86	2.89	2.71	Bearded
Bess	2.83	2.89	2.79	Smooth
EXCEL 337	2.83			Smooth
PROGENY 125	2.79	2.65	2.40	Smooth
Pioneer variety 25R78	2.78	2.81	2.66	Bearded
Terral TV8525	2.77	3.08		Bearded
KAS S1000	2.75			Smooth
Clark	2.74	2.70	2.50	Smooth
USG 3562	2.72			Bearded
SS 520	2.66	2.75	2.56	Smooth
AVERAGE	**3.26**	**3.30**	**3.00**	
C.V.	10.07	10.46	10.96	
LSD (0.10)	0.38	0.28	0.23	

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

Planting date: 10-15-11; *DM=Dry Matter Yield
Harvest date: 5-16-12.

TABLE 10. 2012 Kentucky Wheat Straw Test.

VARIETY	DM Yield* Tons/acre 2012	2011-12	2010-12
VA08W-176	1.18		
KY02C-2224-23	1.16		
Westbred WBX 700	1.12		
AgriMAXX 415	1.11	0.87	
KY03C-1237-11	1.09		
BECK 135	1.08	0.98	1.14
SS 8500	1.07	1.02	
VA08W-294	1.05		
Terral TV8861	1.04	0.99	1.12
SYNGENTA SY 483	1.04		
SYNGENTA B050154	1.02		
Dyna-Gro Dinah	1.01	0.98	1.06
Terral TV8848	1.01	0.93	
SYNGENTA SY 1526	1.01	0.84	
Pioneer variety 26R15	1.00	1.04	1.09
USG 3201	1.00	0.91	
KY03C-1237-32	1.00	0.85	
AgriMAXX Exp 1220	1.00		
Dyna-Gro WX12603	1.00		
SS 8700	0.99	1.03	1.06
Dyna-Gro 9012	0.99	0.81	0.96
PROGENY PGX 11-14	0.99		
SS 8404	0.98	0.89	1.00
SYNGENTA W1566	0.98	1.01	1.21
Terral TV8525	0.98	0.89	
Truman	0.97	1.10	1.15
BECK 120	0.97		
SS 8302	0.96	1.00	1.14
KAS 5058	0.96	0.88	0.99
Delta Grow 7300	0.96		
STEYER HUNKER	0.96		
AgriMAXX 413	0.95	0.88	
Pioneer variety XW10V	0.95		
KY03C-1237-12	0.94		
KY03C-1237-07	0.93		
SYNGENTA W1104	0.92	0.90	0.98
SC 1321	0.92	0.77	0.81
PROGENY 357	0.92	0.90	
Delta Grow 7500	0.92	0.86	
ARMOR ARX 1107	0.92		
EXCEL 168	0.92		
Edge	0.92		
Dyna-Gro 9171	0.91	0.82	
USG 3438	0.91		
VA06W-412	0.91		
BECK 113	0.90	0.86	0.95
SC 1342	0.90		
SS EXP 8350	0.90		
STEYER HEILMAN	0.89		
Pioneer variety 26R22	0.88	0.94	1.01
Terral TV8626	0.88	0.87	
ARMOR ARX 1133	0.88		
ARMOR ARX 1109	0.88		
Pioneer variety XW10T	0.88		
Delta Grow 8300	0.87	0.87	
SS 8340	0.87	0.80	
VA07W-415	0.87		
Dyna-Gro 9911	0.86	0.87	1.04
Dyna-Gro 9042	0.86	0.82	0.91
KY03C-1002-02	0.86		
KY03C-1237-10	0.86		
SS 520	0.85	0.83	0.94
USG 3555	0.85		1.04
KAS S1000	0.85		
ARMOR ARX 1175	0.84		
Sienna	0.83	0.93	1.06
KAS S1200	0.82	0.73	0.86
STEYER KIDWELL	0.82	0.84	
Pembroke 2008	0.81	0.92	1.02
SYNGENTA OAKES	0.81	0.79	0.96
Pioneer variety 26R10	0.81	0.93	
Quest	0.80	0.91	0.96
BECK 126	0.80	0.86	
AgriMAXX 412	0.79	0.86	
Terral TV8535	0.79	0.82	
SC 1302	0.79		
USG 3612	0.79		
KAS S950	0.78		
EXCEL 171	0.77		
EXCEL 337	0.77		
PROGENY 308	0.77		
Bess	0.76	0.75	0.86
Pioneer variety 26R20	0.76	0.96	1.03
PROGENY 870	0.76	0.76	
PROGENY 185	0.75	0.73	0.79
Pioneer variety 25R32	0.75	0.78	0.87
KY03C-1237-39	0.75		
KY03C-1237-05	0.74		
SS MPV-57	0.73	0.80	0.99
USG 3562	0.73		
Clark	0.72	0.75	0.88
ARMOR RICOCHET	0.72	0.77	0.81
USG 3251	0.72	0.89	0.97
PROGENY 117	0.71	0.81	0.90
KAS S1100	0.70		
PROGENY 125	0.69	0.72	0.84
Pioneer variety 25R78	0.68	0.66	0.80
STEYER JORDAN	0.68	0.73	
KY03C-1237-09	0.68		
Delta Grow 7900	0.68	0.74	
AgriMAXX 490	0.68	0.69	
SS 5205	0.66	0.61	0.74
Pioneer variety 25R56	0.64	0.64	0.72
SC 1341	0.63	0.64	0.80
AVERAGE	**0.88**	**0.85**	**0.96**
C.V.	19.12	22.50	22.32
LSD (0.10)	0.20	0.16	0.14

Location: Bluegrass Region–Fayette Co.; Conventional tillage.

Planting date:10-15-11; **Harvest date:** 6-14-12.

* Dry Matter straw yield following grain harvest.

Table 11. 2012 Kentucky Wheat Test–Purchase Region.

	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
VARIETY	2012	2011-12	2012	2011-12	2012	2012	2012
Pioneer variety 25R56	111.0	113.1	60.9	60.0	20	39	8
Sienna	111.0	105.5	61.8	59.8	0	44	8
Dyna-Gro 9171	110.6	113.6	60.0	58.7	0	37	7
SC 1321	109.6	109.4	59.8	58.2	0	38	6
Delta Grow 7500	109.2	114.1	59.5	58.3	0	37	7
KAS S1200	108.2	110.7	59.4	58.4	0	38	8
BECK 126	107.7	107.4	60.8	59.5	0	46	8
PROGENY 870	107.0	109.9	59.8	58.2	0	37	6
SS MPV-57	105.9	101.7	61.2	59.4	0	44	5
KAS S1100	105.3		60.1		0	40	7
STEYER KIDWELL	104.9	112.7	59.6	58.3	0	37	7
Delta Grow 7300	104.8		58.8		0	39	10
BECK 120	104.7		59.7		0	37	7
SS 8700	104.3	109.0	61.9	60.5	0	40	11
BECK 113	104.2	104.3	62.6	60.8	0	39	7
Dyna-Gro 9042	104.2	107.1	61.5	60.2	0	38	9
SC 1342	103.6		61.7		1	42	9
VA07W-415	103.3		60.9		0	42	8
USG 3251	103.1	109.9	61.3	59.1	0	42	11
Terral TV8626	103.1	106.6	59.1	57.5	0	39	10
PROGENY 357	102.8	105.6	58.6	57.4	0	38	11
STEYER HEILMAN	102.7		61.0		1	45	7
SS 8404	102.3	105.0	63.2	61.7	0	37	4
STEYER HUNKER	102.3		61.6		0	42	8
VA08W-176	102.3		63.3		0	40	8
ARMOR ARX 1133	101.9		59.8		0	36	7
Terral TV8848	101.8	107.4	60.8	59.0	4	40	9
USG 3612	101.7		59.6		5	40	7
Edge	101.5		61.0		0	42	10
SYNGENTA W1104	101.4	105.8	58.8	56.9	1	39	9
BECK 135	101.2	104.4	60.9	59.4	0	42	10
KY03C-1237-10	100.8		62.0		0	38	6
Pioneer variety 26R22	100.7	105.6	60.3	59.4	0	40	7
KY03C-1002-02	100.4		61.9		0	39	6
SYNGENTA SY 1526	100.2	105.9	60.5	59.6	0	42	6
USG 3438	100.2		59.9		0	36	7
Westbred WBX 700	100.0		61.4		4	43	10
SYNGENTA W1566	99.9	102.0	59.1	57.2	0	44	8
KY03C-1237-09	99.9		61.3		1	38	7
Terral TV8535	99.9	109.1	59.6	58.4	0	37	7
Pioneer variety 26R10	99.7	108.3	61.4	59.9	0	38	8
PROGENY PGX 11-14	99.5		60.9		0	41	9
AgriMAXX 413	98.7	109.6	59.3	58.2	0	36	6
Pioneer variety 26R15	98.5	105.2	60.9	59.2	0	39	7
KAS 5058	98.2	100.4	61.7	60.9	1	42	9
Dyna-Gro WX12603	98.1		61.8		11	42	9
ARMOR ARX 1175	98.0		59.5		0	39	7
SYNGENTA OAKES	97.7	100.0	63.2	61.4	0	41	8
Pioneer variety 25R78	97.7	103.6	63.3	61.1	0	39	6
SS 520	97.7	101.0	60.5	58.8	0	41	2
Pioneer variety 26R20	97.6	102.6	62.9	60.8	1	40	10
Terral TV8861	97.5	104.3	60.8	59.1	5	39	10
SS 8500	97.3	97.1	60.3	58.5	0	43	9
Dyna-Gro Dinah	97.2	98.2	61.8	60.9	1	41	9
KY03C-1237-39	97.1		62.9		0	39	5
SYNGENTA B050154	96.7		59.4		0	38	9
KY03C-1237-11	96.6		61.5		0	41	6
KY03C-1237-12	96.4		61.8		0	37	4
Dyna-Gro 9911	96.0	105.4	62.6	61.0	5	43	5

Table 11. *(continued)*

VARIETY	Yield (Bu/A) 2012	Yield (Bu/A) 2011-12	Test Wt. (Lb/bu) 2012	Test Wt. (Lb/bu) 2011-12	Lodging (%) 2012	Height (In) 2012	Heading Date > April 1 2012
EXCEL 337	95.8		62.6		1	43	5
KY03C-1237-07	95.8		62.2		3	38	5
SYNGENTA SY 483	95.7		60.7		0	40	10
ARMOR ARX 1109	95.5		60.1		0	37	8
VA06W-412	95.5		63.1		0	38	4
Terral TV8525	95.4	101.8	62.0	60.6	0	38	7
Pembroke 2008	95.2	103.2	61.7	60.7	0	40	4
Bess	95.2	98.1	62.6	61.5	10	43	9
Pioneer variety 25R32	94.6	102.9	61.5	60.5	6	41	12
ARMOR ARX 1107	94.5		60.4		0	40	8
SS 8302	94.4	100.7	62.4	60.3	0	41	7
Quest	93.9	97.7	58.8	58.3	0	42	12
KAS S1000	93.3		60.4		0	43	11
KAS S950	93.1		61.3		0	43	11
Truman	93.1	97.4	60.2	58.7	0	44	20
STEYER JORDAN	92.9	101.5	62.8	61.2	3	43	5
AgriMAXX 415	92.3	102.1	62.0	60.5	0	39	9
PROGENY 308	91.9		62.0		0	39	7
SS 5205	91.5	97.4	62.5	61.0	0	36	5
Pioneer variety XW10T	89.6		61.3		0	38	9
Dyna-Gro 9012	89.5	99.7	60.8	60.1	5	38	10
USG 3555	89.5		60.8		0	36	4
SC 1302	89.5		62.4		0	41	5
USG 3201	89.4	100.4	61.7	60.0	0	37	9
KY03C-1237-05	89.1		62.6		0	39	7
SS EXP 8350	89.1		59.9		0	39	11
SS 8340	88.7	98.6	61.8	60.4	0	40	9
PROGENY 185	88.1	97.5	60.3	59.3	0	43	6
SC 1341	87.3	99.9	59.8	58.6	0	37	10
AgriMAXX Exp 1220	87.1		62.7		14	41	6
Delta Grow 7900	87.1	95.4	61.3	60.1	4	44	6
Pioneer variety XW10V	86.6		60.8		1	35	8
EXCEL 171	86.1		62.8		10	44	5
KY02C-2224-23	85.5		61.7		21	41	9
AgriMAXX 412	85.2	97.6	61.9	60.6	0	42	5
USG 3562	85.2		61.2		0	37	7
EXCEL 168	84.3		62.8		11	43	10
ARMOR RICOCHET	84.2	100.0	59.2	57.6	0	38	10
AgriMAXX 490	82.4	97.0	62.6	62.4	5	43	3
PROGENY 117	82.2	95.5	60.1	59.9	16	42	3
PROGENY 125	81.0	93.1	59.9	59.3	0	38	3
Clark	80.9	81.4	60.8	59.5	0	44	6
KY03C-1237-32	79.9	96.5	61.5	60.6	0	36	4
VA08W-294	78.2		60.9		0	38	5
Delta Grow 8300	75.0	79.6	59.4	57.7	3	41	4
AVERAGE	**96.3**	**102.6**	**61.1**	**59.6**	**2**	**40**	**8**
C.V.	7.6	6.9					
LSD (0.10)	8.5	5.7					

Location: Graves Co.

Planting date: 10-8-11; Conventional tillage; **Harvest date:** 5-29-12.

NOTE: Test had minor freeze damage.

Table 12. 2012 Kentucky Wheat Test - Western Coal Field Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
Westbred WBX 700	72.6		59.7		34	15
Pioneer variety 25R56	71.5	88.4	61.5	60.4	30	11
VA08W-176	69.5		62.3		31	14
PROGENY PGX 11-14	67.4		59.7		30	13
SYNGENTA W1104	66.1	82.9	60.0	59.0	29	14
Quest	65.1	82.5	59.1	59.1	34	15
SYNGENTA SY 483	65.0		60.1		30	13
Bess	64.4	76.9	62.0	61.4	33	14
Truman	64.4	78.3	57.7	58.2	35	22
SS 520	64.0	78.6	61.3	59.7	32	7
Dyna-Gro 9042	63.9	85.2	60.7	60.0	29	14
KAS S950	63.2		60.5		32	14
BECK 113	63.0	84.7	61.6	60.0	30	8
KY03C-1237-11	62.9		59.7		32	12
STEYER KIDWELL	62.9	85.5	58.8	58.5	29	9
SS 8700	62.9	84.2	62.0	61.0	31	15
SS 8500	62.5	80.2	60.6	59.8	32	14
STEYER HEILMAN	62.4		61.0		34	11
USG 3438	62.0		57.7		29	9
Dyna-Gro WX12603	62.0		59.7		30	13
ARMOR ARX 1175	61.8		59.8		29	11
Delta Grow 7900	61.6	82.3	60.5	60.9	32	9
USG 3612	61.5		59.9		29	10
KAS S1000	61.0		60.6		33	14
KAS S1100	61.0		59.4		31	11
BECK 126	60.5	82.9	60.5	59.7	35	11
SC 1321	60.5	82.0	58.6	58.8	29	10
Sienna	60.4	83.1	60.9	60.1	33	10
Dyna-Gro 9171	60.2	83.2	58.3	58.7	29	11
BECK 135	60.2	81.6	59.5	59.8	31	15
Pioneer variety 25R32	60.1	76.3	62.0	61.2	31	14
PROGENY 870	59.9	81.9	59.2	59.2	29	10
PROGENY 117	59.8	74.6	62.0	60.4	34	6
SYNGENTA W1566	59.8	81.9	59.1	58.5	32	9
AgriMAXX 412	59.4	80.8	59.4	60.0	31	8
SC 1342	59.4		60.4		30	13
SYNGENTA B050154	58.8		57.5		28	12
SS MPV-57	58.5	72.6	60.8	59.4	29	10
SYNGENTA SY 1526	58.3	80.5	60.6	58.6	30	12
PROGENY 125	58.1	73.7	60.9	59.8	31	5
ARMOR ARX 1133	57.8		58.0		30	10
AgriMAXX 413	57.7	79.6	58.8	58.8	31	9
USG 3251	57.4	80.1	59.8	59.7	30	15
Pioneer variety 26R20	57.3	75.3	62.5	60.6	30	13
Pioneer variety 26R22	57.2	77.9	59.1	59.4	30	11
KAS S1200	57.2	81.1	59.4	59.1	31	10
KY03C-1002-02	57.0		61.2		29	11
VA06W-412	56.8		62.3		28	12
ARMOR ARX 1107	56.4		60.8		30	11
Terral TV8848	56.3	78.4	59.8	59.1	29	13
Dyna-Gro Dinah	56.2	79.0	60.8	61.2	30	14
Pioneer variety 25R78	56.1	77.2	60.7	60.3	29	8
PROGENY 357	56.1	79.0	57.7	57.4	30	15
SC 1341	55.8	79.6	58.6	58.2	28	12
EXCEL 168	55.6		62.5		33	14
KY03C-1237-39	55.4		61.5		29	11
AgriMAXX Exp 1220	55.0		62.7		31	8
VA08W-294	55.0		60.6		30	9
Edge	55.0		61.3		31	13
BECK 120	54.8		58.2		29	11

Table 12. *(continued)*

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
STEYER HUNKER	54.6		60.3		30	13
KY02C-2224-23	54.5		62.0		31	14
KY03C-1237-32	54.5	73.0	61.3	60.8	29	9
SS 8340	54.2	77.7	61.6	61.8	29	13
Delta Grow 7500	54.2	79.1	58.6	58.5	29	10
Pioneer variety 26R15	54.1	74.6	60.0	59.4	30	13
VA07W-415	53.5		60.7		30	8
Dyna-Gro 9911	53.2	78.6	59.9	60.6	30	7
SYNGENTA OAKES	52.5	73.1	62.1	61.1	29	12
Delta Grow 8300	52.4	67.0	60.7	59.1	31	9
KAS 5058	52.2	75.6	60.2	60.6	29	14
KY03C-1237-10	52.2		61.0		29	11
Pembroke 2008	52.1	75.5	60.4	59.8	30	8
AgriMAXX 490	51.9	70.3	62.2	61.8	33	5
Delta Grow 7300	51.8		57.8		29	15
SS EXP 8350	51.8		60.6		29	13
Terral TV8535	51.7	77.9	58.0	58.1	29	10
KY03C-1237-09	51.1		60.3		29	11
SS 8302	50.9	75.1	61.0	60.8	30	12
KY03C-1237-12	50.6		60.8		27	10
AgriMAXX 415	50.5	72.4	61.9	61.5	29	13
KY03C-1237-05	49.8		60.5		30	12
Terral TV8861	49.6	73.4	61.0	60.4	29	13
SS 8404	49.2	70.7	63.0	61.9	27	11
PROGENY 308	48.7		61.0		29	11
KY03C-1237-07	48.5		61.6		28	10
Pioneer variety 26R10	48.2	75.1	59.9	59.9	28	12
PROGENY 185	47.8	70.2	58.2	58.2	31	10
SC 1302	47.2		59.3		31	7
ARMOR RICOCHET	47.2	76.2	59.2	58.7	27	13
EXCEL 337	47.1		59.1		32	8
EXCEL 171	46.9		62.5		32	7
ARMOR ARX 1109	46.4		59.8		29	12
Terral TV8525	46.1	70.9	61.0	60.1	28	12
STEYER JORDAN	46.0	73.4	60.0	60.6	29	8
Dyna-Gro 9012	44.9	70.9	61.6	61.0	27	14
Clark	44.7	63.4	58.9	58.7	34	10
USG 3201	44.7	70.1	61.8	61.6	28	14
Terral TV8626	44.5	73.6	57.0	57.3	28	14
SS 5205	44.1	66.7	62.6	61.1	26	7
USG 3555	43.9		58.5		27	9
Pioneer variety XW10T	39.0		61.1		27	11
USG 3562	34.7		59.4		28	10
Pioneer variety XW10V	33.6		58.6		27	13
AVERAGE	**55.5**	**77.3**	**60.3**	**59.8**	**30**	**11**
C.V.	15.7	10.4				
LSD (0.10)	10.2	6.1				

Location: Caldwell Co. (Princeton, KY).

Planting date: 10-9-11; No-till; **Harvest date:** 5-30-12.

Lodging = 0%

NOTE: Test had moderate freeze damage; data variable–not recommended for variety selection.

Table 13. 2012 Kentucky Wheat Test–Ohio Valley Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
Quest	86.5	95.2	60.0	58.5	38	15
Westbred WBX 700	83.4		62.2		39	15
Pioneer variety 25R56	83.3	88.8	60.3	57.9	36	14
SYNGENTA SY 483	83.2		60.4		36	14
Truman	82.5	84.6	60.6	59.5	40	21
SS 8700	80.6	94.6	61.5	59.6	37	15
Dyna-Gro 9042	79.8	94.2	60.9	59.3	34	12
USG 3251	77.4	93.5	60.8	60.1	37	14
BECK 135	77.0	90.0	61.7	60.1	36	14
VA08W-176	76.2		63.1		36	14
EXCEL 168	71.6		62.5		40	14
Edge	71.6		60.7		38	14
KAS S950	71.3		61.0		38	14
Pioneer variety 25R32	70.6	86.3	62.3	60.4	37	14
BECK 126	70.6	86.0	59.9	59.0	40	10
SS 8500	70.1	75.8	61.2	58.4	38	14
KY03C-1237-11	69.9		61.3		36	10
KAS S1000	69.4		60.6		39	14
SC 1342	67.3		61.0		37	12
STEYER HEILMAN	66.1		59.3		41	10
Pioneer variety 26R15	65.6	80.8	61.0	58.9	35	11
VA06W-412	64.8		62.8		33	9
USG 3612	64.5		60.3		34	9
Sienna	63.6	81.7	59.5	58.6	39	11
SC 1341	63.3	85.1	60.8	58.7	32	13
SYNGENTA W1104	62.8	80.7	59.7	57.9	34	14
ARMOR ARX 1175	62.4		60.5		33	9
SS MPV-57	61.2	65.4	60.3	57.6	36	9
BECK 113	61.0	79.5	60.5	58.5	34	9
PROGENY PGX 11-14	60.6		60.9		37	12
KY03C-1237-39	60.4		61.2		34	10
ARMOR RICOCHET	60.2	80.7	60.2	57.7	32	14
KY03C-1237-09	59.5		60.6		33	10
Delta Grow 7300	58.7		59.1		34	14
SYNGENTA W1566	58.7	71.8	57.7	56.0	37	12
Dyna-Gro WX12603	58.5		60.2		36	12
Pioneer variety 26R20	58.4	74.9	60.8	58.4	37	14
STEYER KIDWELL	58.3	81.9	59.6	57.9	34	10
Terral TV8848	58.2	75.5	61.5	59.5	36	14
STEYER HUNKER	58.0		60.1		37	12
SYNGENTA OAKES	58.0	67.7	63.2	59.1	35	11
KY03C-1237-05	57.5		60.7		35	12
Dyna-Gro Dinah	57.0	71.5	61.4	60.0	36	12
KAS S1100	57.0		60.0		35	9
BECK 120	56.5		59.2		32	11
KY02C-2224-23	56.1		59.3		36	14
Pioneer variety 26R22	56.0	77.3	59.5	58.2	36	10
USG 3438	56.0		59.3		32	10
KY03C-1237-10	55.8		59.3		32	10
Pioneer variety 25R78	55.6	76.9	60.8	58.9	34	10
KAS S1200	55.1	78.2	59.2	57.7	33	11
ARMOR ARX 1133	55.1		59.4		32	10
Delta Grow 7500	54.3	77.4	59.1	57.6	32	11
SYNGENTA SY 1526	54.3	70.4	58.4	56.8	37	11
KAS 5058	53.8	75.9	61.1	60.2	36	12
SC 1321	53.6	73.9	59.0	55.9	32	10
AgriMAXX 413	52.9	80.5	58.6	57.8	31	10
PROGENY 870	52.7	76.8	59.4	57.9	33	9
Bess	52.3	71.3	60.9	59.6	37	12
Terral TV8626	51.9	77.7	58.9	57.2	34	14

Table 13. *(continued)*

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
Terral TV8861	51.7	73.0	61.5	59.3	34	14
KY03C-1002-02	51.5		60.7		34	8
Dyna-Gro 9171	51.0	76.0	58.7	57.4	33	10
PROGENY 357	50.7	73.8	58.3	56.4	35	14
KY03C-1237-12	50.2		59.6		31	8
SS 5205	50.0	69.8	60.9	58.4	30	7
Terral TV8535	49.5	75.8	59.2	58.0	33	11
SYNGENTA B050154	48.4		59.7		33	13
PROGENY 117	47.8	77.0	60.3	59.2	38	5
AgriMAXX Exp 1220	46.6		60.5		36	7
Pioneer variety 26R10	46.0	75.7	59.9	59.0	34	13
KY03C-1237-07	46.0		60.0		32	8
Pembroke 2008	45.4	69.8	60.2	59.0	35	6
SS 520	45.4	64.8	59.2	57.1	34	6
SS EXP 8350	44.8		59.5		33	14
KY03C-1237-32	44.3	71.7	59.6	58.9	31	7
SS 8404	44.2	66.8	61.5	59.0	31	6
ARMOR ARX 1109	42.9		58.9		32	12
USG 3201	42.9	70.5	60.0	59.4	33	13
Dyna-Gro 9012	42.8	70.0	61.3	59.9	33	13
SS 8302	42.3	66.8	60.1	58.9	34	12
PROGENY 185	42.2	70.6	59.9	59.0	36	9
Terral TV8525	41.9	67.1	61.1	59.1	33	12
PROGENY 308	41.4		60.0		33	12
ARMOR ARX 1107	41.3		58.7		34	12
VA07W-415	40.6		58.5		35	7
AgriMAXX 415	40.2	68.8	59.9	59.5	33	13
SS 8340	40.1	68.8	60.4	59.5	34	12
VA08W-294	38.4		58.4		32	7
EXCEL 337	38.2		57.1		36	8
Delta Grow 7900	37.1	68.9	58.6	58.9	35	9
Clark	35.3	58.4	57.7	57.1	35	10
Pioneer variety XW10V	34.8		59.9		31	14
Pioneer variety XW10T	34.6		59.7		33	13
SC 1302	33.9		58.8		36	7
AgriMAXX 490	33.2	61.9	59.3	58.7	36	6
USG 3562	32.1		59.3		32	13
Dyna-Gro 9911	31.1	68.4	57.4	58.2	35	8
Delta Grow 8300	30.6	52.4	57.7	56.4	34	5
EXCEL 171	28.9		60.0		38	7
USG 3555	28.2		59.4		31	6
STEYER JORDAN	27.7	68.6	57.8	58.7	35	8
AgriMAXX 412	26.8	69.2	57.9	59.0	33	7
PROGENY 125	24.4	61.5	57.5	56.7	34	5
AVERAGE	**54.0**	**75.1**	**60.0**	**58.5**	**35**	**11**
C.V.	8.7	8.7				
LSD (0.10)	5.5	5.0				

Location: Henderson Co.

Planting date: 10-10-11; No-till; **Harvest date:** 6-4-12.

Lodging = 0%

NOTE: Test had moderate freeze damage. Earlier varieties had more injury.

Table 14. 2012 Kentucky Wheat Test–Bluegrass Region.

	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
VARIETY	2012	2011-12	2012	2011-12	2012	2012
SS 8500	85.4	72.1	59.7	55.5	33	22
Terral TV8626	83.4	77.8	57.1	54.8	31	23
SC 1342	83.0		58.6		31	23
BECK 135	82.7	75.7	59.0	56.6	32	23
SYNGENTA W1104	82.1	76.8	58.2	55.5	31	22
ARMOR ARX 1109	82.0		58.5		30	20
SS 8700	81.8	78.2	58.7	56.0	32	23
Dyna-Gro WX12603	81.6		58.2		32	23
STEYER HUNKER	81.4		58.7		32	23
STEYER KIDWELL	81.3	72.0	57.9	54.8	29	19
Delta Grow 7300	81.1		57.6		32	23
PROGENY 357	81.1	75.8	57.3	54.7	30	23
BECK 120	79.6		57.4		29	19
SYNGENTA SY 483	79.6		59.0		31	22
Dyna-Gro 9042	79.1	73.6	58.4	55.8	32	21
PROGENY PGX 11-14	79.1		58.4		32	22
Terral TV8848	78.9	77.5	59.8	57.3	30	23
KY02C-2224-23	78.7		59.9		31	22
Pioneer variety XW10V	78.3		60.3		29	21
AgriMAXX 415	78.0	68.9	60.8	58.1	30	22
Westbred WBX 700	78.0		58.6		34	24
AgriMAXX 413	77.8	71.5	57.4	54.3	29	19
USG 3251	77.3	71.9	59.1	56.7	30	23
ARMOR ARX 1133	77.2		57.4		29	20
BECK 113	76.8	71.1	58.9	56.2	30	19
Pioneer variety 26R10	76.8	75.1	58.7	56.4	28	22
USG 3555	76.8		58.7		28	17
Dyna-Gro Dinah	76.3	77.7	60.4	58.9	32	22
Pioneer variety 26R22	76.3	67.5	59.0	55.7	32	20
Pioneer variety 25R32	75.9	74.9	59.1	57.7	31	22
USG 3612	75.7		58.3		30	21
SC 1341	75.7	70.6	57.6	54.7	27	22
SYNGENTA B050154	75.7		58.6		29	22
KAS S1100	75.6		57.9		31	21
SYNGENTA OAKES	75.5	67.0	61.5	58.6	32	22
Dyna-Gro 9012	75.4	70.2	60.4	58.0	29	22
STEYER HEILMAN	75.4		58.4		35	21
Dyna-Gro 9171	75.2	71.0	57.4	54.9	29	19
ARMOR ARX 1175	75.2		58.9		30	22
SS 8340	74.7	70.5	60.4	57.9	29	22
AgriMAXX 412	74.6	70.8	59.5	57.8	32	20
ARMOR ARX 1107	74.5		59.3		30	22
BECK 126	74.5	70.2	58.7	56.5	34	21
Pioneer variety 25R56	74.5	67.9	57.9	55.4	30	21
AgriMAXX Exp 1220	74.5		60.6		33	18
Pioneer variety XW10T	74.3		58.3		28	22
USG 3438	74.1		57.9		29	20
KAS 5058	73.9	75.4	59.8	58.6	31	22
Dyna-Gro 9911	73.5	73.5	60.7	58.9	32	20
VA08W-176	73.3		61.1		31	22
Pioneer variety 26R20	73.1	64.6	59.5	55.9	31	23
VA08W-294	72.9		59.0		31	18
USG 3201	72.8	68.2	60.5	57.9	30	22
EXCEL 171	72.4		60.8		35	17
Delta Grow 7500	72.4	72.0	57.3	54.8	29	19
Delta Grow 7900	72.4	74.0	59.3	57.8	32	21
STEYER JORDAN	72.2	71.9	59.5	58.0	32	20
KY03C-1237-11	72.2		59.9		32	20
PROGENY 870	72.1	72.1	56.6	54.5	28	19
Edge	72.1		59.1		32	22

Table 14. *(continued)*

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
ARMOR RICOCHET	71.7	72.6	58.1	55.1	27	22
KAS S1200	71.7	70.4	57.6	54.8	28	20
KY03C-1237-39	71.5		60.1		30	20
KY03C-1237-12	71.5		59.2		28	19
SC 1321	71.1	68.2	56.5	54.2	28	19
EXCEL 337	70.9		59.6		33	19
Sienna	70.8	67.0	58.1	56.2	34	22
Quest	70.7	71.3	57.5	55.2	31	24
PROGENY 185	70.3	67.7	59.1	56.3	33	21
Pioneer variety 25R78	70.1	60.5	60.6	56.8	30	18
Pioneer variety 26R15	70.0	71.9	58.4	56.2	30	22
Terral TV8535	69.9	68.1	57.7	55.2	29	19
KAS S1000	69.7		58.8		33	22
Pembroke 2008	69.3	68.6	59.5	56.8	31	19
SS MPV-57	69.2	64.1	59.3	55.8	31	19
Terral TV8861	69.0	66.2	59.1	57.1	30	23
USG 3562	68.8		59.2		29	19
SS 8404	68.8	64.5	60.6	58.1	29	19
KY03C-1002-02	68.8		59.7		30	19
EXCEL 168	68.7		61.4		34	22
SYNGENTA SY 1526	68.6	67.3	57.4	55.3	36	19
KY03C-1237-09	68.5		59.4		29	20
SS 8302	68.4	69.5	60.8	58.2	32	21
SS EXP 8350	68.1		57.7		28	22
KY03C-1237-05	67.7		59.6		29	21
VA06W-412	67.3		59.5		30	19
SS 5205	67.2	61.1	60.5	57.0	28	18
Terral TV8525	66.9	66.5	58.3	56.4	29	21
SYNGENTA W1566	66.8	64.3	58.2	54.0	36	20
KY03C-1237-10	66.1		59.5		30	19
SC 1302	65.5		59.0		31	20
Truman	65.2	64.1	57.8	56.5	36	30
KAS S950	65.1		58.6		31	23
KY03C-1237-32	65.1	66.6	59.5	57.6	29	18
PROGENY 117	64.6	68.1	58.9	57.0	33	16
PROGENY 308	64.2		59.2		29	21
KY03C-1237-07	63.6		59.3		29	20
Bess	62.1	66.9	59.3	57.8	31	23
Delta Grow 8300	60.7	47.6	59.1	55.7	31	17
AgriMAXX 490	59.1	60.3	60.2	58.0	32	15
SS 520	58.9	53.1	58.0	53.8	32	16
VA07W-415	58.4		58.2		32	17
Clark	52.6	43.7	57.4	54.9	33	20
PROGENY 125	51.2	51.7	58.5	54.5	28	15
AVERAGE	**72.5**	**68.7**	**58.9**	**56.3**	**31**	**21**
C.V.	6.3	6.6				
LSD (0.10)	5.3	3.8				

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

Planting date: 10-15-11; Conventional tillage; **Harvest date:** 6-14-12.

NOTE: Test had minor freeze damage.

Table 15. 2012 Kentucky Wheat Test–Southern Tier Region.

	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
VARIETY	2012	2011-12	2012	2011-12	2012	2012	2012
Pioneer variety 26R22	98.9	98.4	59.2	58.3	0	38	7
SS 8500	97.9	98.6	59.2	58.5	0	39	10
Westbred WBX 700	96.2		61.5		0	39	12
BECK 120	96.0		56.7		0	36	7
SS 8700	95.5	99.0	58.8	59.3	0	38	12
Delta Grow 7300	95.1		56.7		0	36	10
USG 3612	94.6		58.9		0	37	7
STEYER HUNKER	92.1		60.3		0	39	8
BECK 113	92.0	95.0	58.8	58.4	0	37	7
STEYER KIDWELL	91.6	94.8	57.3	57.1	0	36	7
SYNGENTA W1104	91.4	96.6	57.4	57.8	0	38	9
ARMOR ARX 1175	90.9		58.3		0	36	7
KY03C-1237-10	90.8		58.8		0	37	6
SC 1321	90.8	95.9	56.8	57.3	0	36	6
SYNGENTA OAKES	90.7	93.6	61.1	60.0	0	37	7
AgriMAXX 413	90.5	97.0	57.3	57.3	0	36	6
SYNGENTA SY 483	90.5		58.7		0	37	10
KY03C-1237-11	89.8		59.6		0	36	6
BECK 135	89.7	95.0	58.7	58.7	0	38	11
Dyna-Gro 9042	89.7	99.8	59.7	59.1	0	34	10
USG 3251	89.4	97.3	59.3	59.2	0	38	10
ARMOR ARX 1133	89.3		56.3		0	36	7
VA08W-176	88.9		62.4		0	37	8
Terral TV8848	88.3	95.6	58.9	58.8	0	35	10
BECK 126	87.7	96.5	58.5	58.6	0	42	7
Pioneer variety 26R15	87.4	94.2	59.9	59.4	0	37	8
Quest	86.9	97.1	58.8	58.6	0	38	11
STEYER HEILMAN	86.8		59.3		0	42	7
SYNGENTA B050154	86.6		57.8		0	36	9
KAS S1100	86.3		58.3		0	36	8
AgriMAXX 490	86.2	92.9	60.4	60.3	0	39	3
Pioneer variety 25R56	86.0	91.1	58.0	57.0	0	36	9
EXCEL 337	85.7		59.3		0	39	5
KY03C-1237-05	85.6		59.3		0	35	7
KAS S950	85.5		59.1		0	39	12
PROGENY PGX 11-14	84.9		59.5		0	38	8
KAS 5058	84.9	89.4	60.6	60.7	0	38	9
Truman	84.7	87.1	59.9	60.0	0	40	19
Terral TV8626	84.6	90.5	56.9	56.1	0	34	11
SYNGENTA SY 1526	84.5	92.8	57.6	57.6	0	39	6
Delta Grow 7500	84.1	93.4	56.6	57.0	0	34	8
Dyna-Gro 9171	84.1	93.2	57.0	57.5	0	35	7
PROGENY 870	83.9	92.2	56.5	56.8	0	35	7
VA06W-412	83.7		60.9		0	36	5
Dyna-Gro WX12603	83.5		59.5		0	37	9
Dyna-Gro 9911	83.3	95.0	59.0	59.7	0	40	5
SS MPV-57	83.0	85.2	59.3	58.6	0	39	5
AgriMAXX 412	82.3	92.3	58.6	59.1	0	39	4
KY02C-2224-23	81.7		59.1		0	38	9
SC 1341	81.7	88.9	56.5	56.8	0	34	9
KAS S1200	81.4	93.8	56.7	57.0	0	34	7
KY03C-1237-09	81.4		58.8		0	35	7
Delta Grow 8300	81.3	80.9	58.7	57.4	0	37	4
Edge	81.2		59.1		0	39	10
SC 1302	80.7		57.8		0	39	5
SC 1342	80.2		59.6		0	37	9
STEYER JORDAN	80.1	92.5	58.7	59.5	0	40	5
SS EXP 8350	80.0		58.0		0	36	10
KY03C-1237-32	80.0	91.3	58.9	59.4	0	35	5

Table 15. *(continued)*

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012	2012
KY03C-1237-12	79.9		57.9		0	35	5
Pioneer variety XW10T	79.7		58.5		0	35	8
Bess	79.7	86.2	59.5	60.1	0	39	9
USG 3438	79.4		56.9		0	36	6
Pioneer variety 26R10	79.2	94.0	58.5	58.5	0	35	8
PROGENY 308	78.9		59.3		0	36	8
Dyna-Gro Dinah	78.7	86.8	60.2	60.4	0	38	9
Pembroke 2008	78.5	89.4	59.0	59.4	0	36	4
ARMOR RICOCHET	78.4	91.7	56.9	56.1	0	33	9
USG 3201	78.4	89.4	59.0	59.2	0	35	10
VA07W-415	78.3		60.2		0	40	4
SS 8340	78.0	87.8	59.7	60.2	0	35	9
AgriMAXX Exp 1220	77.8		59.8		0	39	5
SYNGENTA W1566	77.8	87.6	56.8	56.4	0	41	7
ARMOR ARX 1107	77.7		56.5		0	35	8
PROGENY 117	77.5	89.7	60.1	59.3	6	39	3
ARMOR ARX 1109	77.5		57.2		0	35	8
Pioneer variety 26R20	77.2	85.2	60.8	59.1	0	38	9
SS 8302	77.2	88.8	59.6	59.5	0	38	8
KY03C-1237-07	76.9		58.5		0	37	5
Pioneer variety 25R78	76.1	86.0	59.0	58.6	0	36	6
KAS S1000	76.0		59.0		0	38	10
EXCEL 168	76.0		61.2		0	40	11
KY03C-1237-39	75.9		58.6		3	36	6
Delta Grow 7900	75.9	89.6	58.9	59.4	0	40	6
PROGENY 357	75.5	87.9	57.0	56.5	0	34	11
Sienna	75.5	87.6	58.8	58.7	0	41	8
PROGENY 185	75.3	90.1	58.0	58.6	0	40	6
SS 8404	75.1	88.6	60.9	60.8	0	33	4
Dyna-Gro 9012	74.4	88.6	60.0	59.9	0	34	10
Terral TV8861	74.0	87.6	58.5	58.2	0	34	11
Terral TV8535	73.8	90.1	56.3	56.9	0	34	7
KY03C-1002-02	73.1		59.1		0	35	6
AgriMAXX 415	73.0	86.1	59.8	60.1	0	34	9
Pioneer variety 25R32	72.9	87.2	58.6	59.4	0	37	11
SS 520	72.5	81.3	59.9	57.8	0	38	3
Terral TV8525	71.6	85.4	59.9	58.8	0	35	8
PROGENY 125	71.1	81.0	58.7	57.3	0	37	3
SS 5205	67.4	78.1	60.1	59.3	0	33	5
EXCEL 171	66.9		59.5		0	41	5
VA08W-294	66.8		57.5		0	36	4
Pioneer variety XW10V	65.7		58.2		0	34	9
USG 3562	60.5		58.3		0	35	7
USG 3555	58.3		58.3		0	35	4
Clark	53.5	69.8	58.4	58.3	0	40	7
AVERAGE	**81.6**	**90.5**	**58.7**	**58.6**	**0**	**37**	**8**
C.V.	10.7	8.6					
LSD (0.10)	10.2	6.2					

Location: Trigg Co.

Planting date: 10-9-11; Conventional tillage; **Harvest date:** 6-5-12.

NOTE: Test had moderate freeze damage.

Table 16. 2012 Kentucky Wheat Test–North Central Region.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
SYNGENTA W1104	101.7	89.0	60.7	57.8	38	20
BECK 126	101.2	92.5	60.2	58.9	41	18
ARMOR ARX 1175	99.7		60.6		38	18
PROGENY 357	97.2	86.5	59.5	56.7	37	20
USG 3612	96.7		61.0		37	18
BECK 135	96.7	90.9	61.0	59.2	39	19
Pioneer variety 25R56	96.2	84.7	59.6	57.5	35	18
Quest	95.1	88.6	60.9	58.6	41	20
KAS S1100	94.3		60.3		38	18
Delta Grow 7300	93.9		59.5		37	20
STEYER HUNKER	93.5		60.8		38	20
SC 1341	92.6	87.0	60.6	58.0	35	20
SC 1342	92.2		61.2		38	19
BECK 113	92.0	85.1	61.7	59.5	37	16
STEYER HEILMAN	92.0		60.7		41	18
ARMOR ARX 1109	91.8		60.8		36	17
STEYER KIDWELL	91.7	81.5	59.9	57.0	34	17
Dyna-Gro WX12603	91.1		60.7		37	19
PROGENY PGX 11-14	90.8		60.6		38	19
KY03C-1237-11	89.9		62.6		39	18
Terral TV8848	89.7	86.0	61.7	59.1	37	20
SS 8700	89.4	84.9	60.8	58.8	38	20
Edge	89.2		62.1		39	19
SYNGENTA B050154	88.8		59.8		35	19
STEYER JORDAN	88.8	82.3	62.2	60.4	40	17
USG 3251	88.7	83.8	61.5	59.5	38	19
SYNGENTA SY 483	88.6		60.7		38	19
SYNGENTA OAKES	88.4	76.1	62.9	60.1	37	18
Terral TV8861	88.3	81.5	62.2	59.5	35	20
Sienna	87.2	82.8	60.4	58.6	41	18
BECK 120	87.0		59.9		34	17
SS 8500	86.9	77.1	61.5	58.8	40	19
ARMOR ARX 1133	86.8		59.8		34	17
KAS S950	86.7		62.4		40	20
ARMOR RICOCHET	86.4	82.7	60.2	58.0	34	19
SYNGENTA SY 1526	86.4	80.8	60.0	58.1	41	19
KY03C-1237-09	86.4		61.3		36	18
Truman	85.7	78.1	61.3	59.8	41	28
USG 3201	85.6	76.9	63.0	60.0	36	19
Dyna-Gro 9012	85.5	80.3	62.0	59.9	36	19
Dyna-Gro 9042	85.5	80.5	61.0	59.2	36	18
Pioneer variety 26R10	85.4	79.5	61.8	58.2	35	19
Terral TV8626	85.3	83.1	59.1	57.0	36	20
SS MPV-57	85.2	76.9	60.8	58.1	39	17
Dyna-Gro Dinah	85.2	80.4	63.7	61.7	38	19
KY03C-1237-10	85.2		61.3		37	17
Westbred WBX 700	85.0		61.7		40	20
PROGENY 185	84.6	76.1	60.4	58.3	38	16
SS EXP 8350	84.6		61.0		36	19
KAS 5058	84.5	81.6	63.5	61.2	38	19
SYNGENTA W1566	84.2	80.2	60.0	56.4	42	19
EXCEL 337	84.1		61.9		38	16
Pioneer variety 26R15	83.8	74.5	61.0	57.3	37	19
KY03C-1237-39	83.6		61.8		36	16
Pioneer variety 26R20	83.6	72.0	61.4	57.1	39	19
KAS S1200	83.6	79.8	59.6	56.2	34	18
KY03C-1237-05	83.6		62.1		37	17
Terral TV8535	83.5	78.4	59.5	56.2	33	17
AgriMAXX Exp 1220	83.5		63.3		37	15
VA08W-176	83.4		63.6		37	19

Table 16. *(continued)*

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)		Height (In)	Heading Date > April 1
	2012	2011-12	2012	2011-12	2012	2012
Delta Grow 7900	83.3	82.0	61.8	60.4	39	17
PROGENY 870	83.3	77.6	59.9	56.6	34	17
Dyna-Gro 9911	83.0	77.0	62.3	59.8	39	16
ARMOR ARX 1107	83.0		60.7		35	19
KAS S1000	82.5		60.9		39	20
Pioneer variety XW10V	82.1		62.0		34	18
PROGENY 308	81.9		62.8		37	18
EXCEL 171	81.7		63.8		40	16
Pioneer variety 25R32	81.6	78.6	63.0	60.5	38	20
VA06W-412	81.5		61.3		34	14
Pioneer variety 26R22	81.0	76.5	60.6	58.1	38	17
KY03C-1002-02	81.0		61.8		35	17
Bess	80.8	75.5	62.6	60.3	39	19
AgriMAXX 413	80.2	78.3	59.5	56.8	33	17
Delta Grow 7500	80.0	77.4	60.3	56.8	32	17
SS 8340	79.7	78.4	62.8	60.2	36	19
AgriMAXX 415	79.5	74.1	62.9	59.4	36	19
EXCEL 168	78.6		63.6		40	20
SC 1302	78.4		62.4		38	16
KY03C-1237-12	78.3		60.9		34	15
Pioneer variety 25R78	78.2	72.8	61.5	57.6	36	16
Pembroke 2008	78.1	75.9	61.9	59.2	36	16
AgriMAXX 412	77.8	78.5	62.2	60.1	38	15
KY02C-2224-23	77.5		62.9		37	19
USG 3555	77.0		60.6		33	13
SC 1321	76.2	73.8	59.0	55.6	33	17
USG 3438	75.9		58.8		33	17
Pioneer variety XW10T	75.5		61.4		34	19
Terral TV8525	75.3	75.2	61.7	59.3	35	18
USG 3562	74.8		62.2		34	17
KY03C-1237-07	74.2		62.0		35	17
SS 8404	74.0	68.4	62.6	59.6	34	15
Dyna-Gro 9171	73.6	75.6	59.5	57.3	33	17
SS 5205	72.9	69.0	62.6	59.3	31	15
SS 8302	72.8	72.1	61.9	59.3	37	18
PROGENY 117	71.7	71.5	60.7	58.5	40	11
VA08W-294	70.7		62.5		36	16
SS 520	66.9	64.8	58.9	55.7	36	12
Clark	64.9	62.7	59.0	56.8	40	17
PROGENY 125	64.4	68.1	58.5	56.9	35	10
VA07W-415	63.3		58.2		36	12
KY03C-1237-32	58.8	67.2	60.6	58.9	33	14
Delta Grow 8300	58.0	55.0	58.1	55.1	36	12
AgriMAXX 490	48.7	57.6	59.1	57.7	37	12
AVERAGE	**83.2**	**77.8**	**61.1**	**58.4**	**37**	**18**
C.V.	7.3	7.3				
LSD (0.10)	7.1	4.8				

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

Planting date: 10-16-11; No-till; **Harvest date:** 6-9-12.

NOTE: Test had minor freeze damage.

Table 17. 2012 Kentucky Wheat Disease Ratings.

VARIETY	Leaf Rust	Stripe Rust	Leaf Blotch	Powdery Mildew	BYDV
AgriMAXX 412	3.0	1.8	3.0	1.0	3.0
AgriMAXX 413	2.5	1.3	2.8	1.5	3.8
AgriMAXX 415	2.8	1.5	2.8	2.3	3.5
AgriMAXX 490	3.0	4.3	3.3	1.0	2.5
AgriMAXX Exp 1220	3.3	3.5	3.3	1.5	2.8
ARMOR ARX 1107	5.0	1.0	2.8	1.0	3.0
ARMOR ARX 1109	4.3	2.5	3.0	1.0	3.3
ARMOR ARX 1133	2.0	1.0	3.0	1.0	3.5
ARMOR ARX 1175	3.3	1.5	3.3	1.0	3.3
ARMOR RICOCHET	4.0	2.5	3.3	5.0	3.8
BECK 113	4.3	1.0	3.0	1.0	2.8
BECK 120	2.5	1.0	2.8	1.0	3.0
BECK 126	4.0	4.3	2.3	1.3	2.3
BECK 135	3.0	2.0	2.8	1.3	2.8
Bess	4.5	2.3	3.0	1.0	3.0
Clark	3.3	4.3	4.0	2.0	3.8
Delta Grow 7300	3.3	2.3	3.0	2.3	3.5
Delta Grow 7500	2.5	1.3	3.0	1.5	4.3
Delta Grow 7900	2.8	3.0	3.0	1.0	3.0
Delta Grow 8300	2.5	3.0	3.8	1.8	3.5
Dyna-Gro 9012	2.3	2.0	2.3	2.3	3.5
Dyna-Gro 9042	4.8	1.3	3.3	1.0	3.8
Dyna-Gro 9171	2.5	1.0	3.0	1.8	3.5
Dyna-Gro 9911	3.0	3.0	3.0	1.0	2.8
Dyna-Gro Dinah	1.8	3.3	2.8	1.8	3.5
Dyna-Gro WX12603	3.5	1.8	3.0	1.5	3.5
Edge	2.3	5.0	3.3	2.3	3.0
EXCEL 168	2.3	3.8	2.3	1.3	3.3
EXCEL 171	2.0	4.3	3.0	2.0	2.8
EXCEL 337	4.0	3.5	3.0	1.0	3.0
KAS 5058	1.5	3.5	2.8	1.5	3.3
KAS S1000	2.5	4.5	3.0	2.3	2.8
KAS S1100	3.5	2.3	3.3	1.0	3.0
KAS S1200	2.8	2.0	2.5	1.3	3.8
KAS S950	4.3	4.5	2.5	1.0	2.8
KY02C-2224-23	1.5	2.3	3.3	1.3	3.0
KY03C-1002-02	4.0	5.0	3.3	1.0	2.8
KY03C-1237-05	2.3	5.0	3.5	2.0	2.8
KY03C-1237-07	5.0	3.5	3.0	1.0	3.0
KY03C-1237-09	4.0	2.3	3.3	1.5	3.3
KY03C-1237-10	3.0	3.8	3.3	1.8	3.5
KY03C-1237-11	3.0	2.5	3.3	1.5	3.5
KY03C-1237-12	4.0	3.8	3.5	1.0	3.0
KY03C-1237-32	5.0	1.0	3.5	1.3	3.3
KY03C-1237-39	2.5	4.3	3.8	2.5	3.3
Pembroke 2008	4.0	1.8	3.8	1.0	3.3
Pioneer variety 25R32	3.5	1.0	2.3	1.0	3.0
Pioneer variety 25R56	3.5	1.8	2.3	1.5	3.0
Pioneer variety 25R78	1.3	5.0	3.3	2.0	3.8
Pioneer variety 26R10	3.8	1.8	3.3	1.5	3.0
Pioneer variety 26R15	3.0	3.0	3.0	1.0	3.5
Pioneer variety 26R20	3.0	1.5	2.8	1.0	3.0
Pioneer variety 26R22	3.8	1.3	4.0	1.5	3.5
Pioneer variety XW10T	2.5	1.3	3.0	1.3	3.0
Pioneer variety XW10V	2.5	2.0	3.0	2.3	3.5
PROGENY 117	3.8	4.3	3.3	2.3	2.5
PROGENY 125	4.5	1.3	4.3	1.8	2.5
PROGENY 185	2.8	4.5	2.8	1.0	3.3
PROGENY 308	3.3	2.0	2.8	1.0	3.8
PROGENY 357	3.0	2.0	2.8	3.3	3.5
PROGENY 870	2.3	1.0	3.0	1.3	4.0
PROGENY PGX 11-14	4.0	1.0	2.5	1.3	3.3

Table 17. *(continued)*

VARIETY	Leaf Rust	Stripe Rust	Leaf Blotch	Powdery Mildew	BYDV
Quest	4.5	1.8	3.0	1.8	3.3
SC 1302	3.0	3.0	3.0	1.0	2.8
SC 1321	2.8	1.0	3.0	1.3	4.0
SC 1341	3.8	2.8	3.3	5.0	3.5
SC 1342	3.3	1.8	2.8	2.0	2.8
Sienna	3.8	5.0	2.8	1.0	3.0
SS 520	2.3	5.0	3.5	1.0	3.3
SS 5205	2.0	1.8	2.8	1.0	3.3
SS 8302	4.3	1.8	3.3	1.0	2.8
SS 8340	2.3	1.3	2.5	2.0	3.3
SS 8404	2.3	4.8	3.5	1.0	3.0
SS 8500	2.8	2.3	3.3	1.0	3.3
SS 8700	3.8	1.3	2.3	1.0	3.5
SS EXP 8350	1.8	3.8	3.0	2.8	3.8
SS MPV-57	3.5	5.0	2.8	1.0	2.5
STEYER HEILMAN	3.8	5.0	2.8	1.3	3.0
STEYER HUNKER	3.8	2.0	3.3	1.0	3.5
STEYER JORDAN	3.0	3.3	3.0	1.0	3.5
STEYER KIDWELL	2.5	1.0	3.0	1.0	3.3
SYNGENTA B050154	3.0	1.8	3.0	1.5	3.8
SYNGENTA OAKES	3.0	1.3	3.3	1.5	3.5
SYNGENTA SY 1526	1.5	4.8	2.3	1.5	3.3
SYNGENTA SY 483	3.0	1.0	2.8	1.0	3.3
SYNGENTA W1104	4.3	1.0	2.3	1.0	3.3
SYNGENTA W1566	4.3	3.8	3.5	1.0	3.3
Terral TV8525	3.5	2.0	3.0	1.0	3.0
Terral TV8535	2.3	1.0	2.8	1.0	3.5
Terral TV8626	2.8	2.8	3.0	2.3	3.3
Terral TV8848	3.3	1.0	3.0	1.0	2.8
Terral TV8861	3.5	1.3	2.8	1.5	2.5
Truman	3.8	2.3	3.0	1.0	4.0
USG 3201	2.8	1.5	2.8	1.5	3.3
USG 3251	2.8	1.5	3.3	1.3	3.0
USG 3438	2.5	1.0	3.0	1.0	3.8
USG 3555	4.5	1.0	3.0	1.0	2.8
USG 3562	4.3	1.0	3.0	1.0	3.5
USG 3612	3.3	2.8	3.3	1.0	3.0
VA06W-412	1.8	4.5	3.3	1.0	2.8
VA07W-415	2.0	4.8	4.0	1.0	3.0
VA08W-176	2.0	1.8	2.3	1.0	3.3
VA08W-294	1.5	2.3	2.0	1.0	2.5
Westbred WBX 700	1.8	4.3	2.5	1.3	3.0
AVERAGE	**3.1**	**2.6**	**3.0**	**1.4**	**3.2**

Rating scale: 1 = resistant; 5 = susceptible.

Powdery mildew pressure was low; response was noted only in the more susceptible varieties.

Leaf blotch and barley yellow dwarf virus rated at Logan Co., KY; leaf rust, stripe rust, and powdery mildew at Lexington, KY.

Leaf blotch complex - ~ 75% *Septoria tritici* and 25% *Stagonospora nodorum*.

NOTES

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