

2013 Kentucky Small Grain VARIETY PERFORMANCE TEST

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www.uky.edu/ag/WheatVarietyTest

The 2013 soft red winter wheat growing season ended with Kentucky farmers harvesting 580,000 acres of the 680,000 acres planted, for a total production of 42.3 million bushels of grain. A record average yield of 73 bushels per acre is expected (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 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 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

Ninety-nine 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, 2011-2013.*

2013		2012		2011	
Harvested	Yield	Harvested	Yield	Harvested	Yield
580,000	73	470,000	62	440,000	70

*July 1, 2013, National Agricultural Statistics Service.

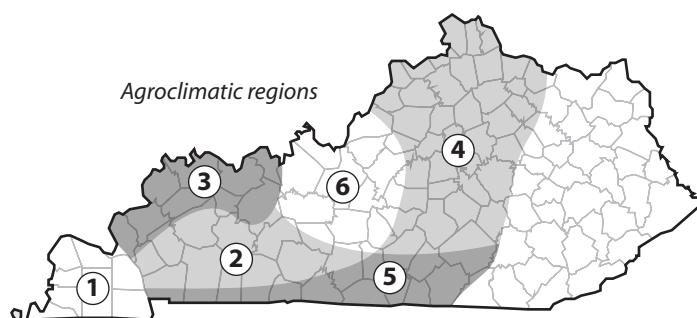


Table 2. Agroclimatic regions of Kentucky small grain variety tests.

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. Trigg Co.	Don Halcomb Ben Cundiff and Barry Alexander	Wheat* Wheat*
6 North Central	Nelson Co.	Homestead Farms & George McCain	No-till Wheat

* 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, 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 Harvest-Master 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 locations. 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 fusarium head scab ratings) were recorded at the Logan County (non-fungicide) test. Fusarium head scab was also rated with powdery mildew 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. Substantial lodging was recorded across the test locations in 2013 and may have been the result of excess carry-over nitrogen in the soil from the previous drought affected corn crop.

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 13 and 14. Oat forage, grain, and straw yield data are presented in Table 15.

Test Conditions

Cool temperatures and slightly less precipitation during October facilitated timely planting throughout much of the state. The 2013 Kentucky small-grain variety tests were planted between October 11 and October 25. Cool temperatures from November through February limited growth of later planted wheat. Early planted wheat had substantial growth and development and may have been stimulated by excess carry-over soil Nitrogen unused by the previous drought affected corn crop. Warmer temperatures in March stimulated plant growth. Frequent rainfall in April and May favored leaf blotch disease pressure throughout the state. Head scab developed later in Central Kentucky. Mild, wet conditions in May and June delayed maturity and dry-down. In some areas, harvest was delayed due to frequent rainfall in mid- to late June.

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Wheat Varieties Tested in 2013

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

AgriMAXX 412
AgriMAXX 413
AgriMAXX 415
AgriMAXX 422
AgriMAXX 447
AgriMAXX EXP 1335

Armor Seeds
PO Box 9
Waldenburg, AR 72475

ARMOR ARX 1107
ARMOR ARX 1204
ARMOR ARX 1206
ARMOR ARX 1270
ARMOR RAMPAGE
ARMOR ROCKET

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

BECK 113
BECK 120
BECK 129
BECK 135

Delta Grow Seed
PO Box 219
220 NW 2nd
England, AR 72046

Delta Grow 7200
Delta Grow 7300
Delta Grow 7500
Delta Grow 9700

Direct Enterprises
PO Box 978
Westfield, IN 46074

Equity Brand EXP 101
Equity Brand Edge
Equity Brand Sienna
Equity Brand Quest

Dupont Pioneer
Eastern Business Unit 59
Greif Parkway,
Ste. 200
Delaware, OH 43015

Pioneer variety 25R32
Pioneer variety 25R40
Pioneer variety 25R56
Pioneer variety 25R78
Pioneer variety 26R10
Pioneer variety 26R20
Pioneer variety 26R22
Pioneer variety 26R41
Pioneer variety 26R53
Pioneer variety XW11G

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

Dyna-Gro 9012
Dyna-Gro 9042
Dyna-Gro 9171
Dyna-Gro 9223
Dyna-Gro 9343
Dyna-Gro Dinah

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

KAS ELLERY
KAS 5058
KAS S1000
KAS S1100
KAS S1200

**Kentucky Foundation
Seed Project**
University of Kentucky
PO Box 11950
Lexington, KY 40579

KY03C-1002-02
KY03C-1237-05
KY03C-1237-07
KY03C-1237-10
KY03C-1237-11
KY03C-1237-12
KY03C-1237-28
KY03C-1237-32
KY03C-1237-39
KY04C-3006-33-14-3

**Kentucky Small Grain
Growers Association**
PO Box 90
Eastwood, KY 40018

Pembroke 2008

Limagrain Cereal Seeds
9020 Grant Rd.
Battle Ground, IN
47920

LCS 34969
LCS 38686

Progeny AG Products
1529 Hwy 193
Wynne, AR 72396

PROGENY P 117
PROGENY P 125
PROGENY P 185
PROGENY P 308
PROGENY P 357
PROGENY P 870
PROGENY PGX 12-10
PROGENY PGX 12-3

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

SC 1302
SC 1321
SC 1341
SC 1342

Southern States Coop.
PO Box 26234
Richmond, VA 23260

SS 8340
SS 8350
SS 8404
SS 8412
SS 8500
SS 8700

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

STEYER DOWELL
STEYER HEILMAN
STEYER HUNKER
STEYER PIERSON

Syngenta Seeds
2426 Webster Rd.
Monroeville, IN 46773

SYNGENTA SY
HARRISON
SYNGENTA OAKES
SYNGENTA SY 007
SYNGENTA SY 1526
SYNGENTA SY 483
SYNGENTA SY 9978
SYNGENTA W1104

Terral Seeds
PO Box 826
Lake Providence, LA
71254

Terral TV8525
Terral TV8535
Terral TV8848
Terral TV8861

UniSouth Genetics
3205-C Hwy. 46S
Dixon, TN 37055

USG 3251
USG 3438
USG 3612
USG 3993

University of Missouri
Columbia, MO 65211

Bess
Truman

Virginia Tech
PO Box 338
Warsaw, VA 22572
VA 09W-73

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Table 3. 2013 Kentucky Wheat Test - Overall State Summary.*

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
SC 1321	100.6	98.1	56.5	55.9	1	37	36
AgriMAXX 447	100.6		59.4		5	40	40
Pioneer variety 26R10	100.4	100.4	58.5	57.9	3	38	38
KY03C-1002-02	100.1		58.4		7	36	35
KAS S1200	99.9	99.3	56.6	56.3	2	37	36
BECK 113	99.9	97.9	60.1	58.7	11	38	36
ARMOR ARX 1107	99.4		57.1		3	38	37
Dyna-Gro 9042	99.3	99.7	57.9	57.8	17	38	37
ARMOR ARX 1204	98.6		58.9		5	40	40
SC 1342	98.4		58.3		9	40	38
KY03C-1237-05	98.2		59.7		8	38	40
Dyna-Gro 9171	98.2	99.0	56.0	56.2	5	37	36
BECK 120	97.4		56.0		3	37	36
BECK 129	96.9		58.1		23	41	38
PROGENY P 870	96.8	97.5	56.4	56.2	2	37	36
AgriMAXX 413	96.4	98.4	56.1	56.2	5	37	36
Delta Grow 9700	96.4		57.9		18	41	38
PROGENY PGX 12-10	96.3		55.1		19	38	36
STEYER PIERSON	96.3		60.0		15	42	37
STEYER HUNKER	96.1		58.0		23	41	38
Dyna-Gro 9223	95.2		57.9		21	41	38
KY03C-1237-10	95.1		58.2		4	36	36
Pioneer variety 25R40	95.0		58.9		8	36	38
Equity Brand EXP 101	95.0		60.0		9	42	38
Pioneer variety 26R53	94.9		59.3		6	36	37
KY03C-1237-12	94.8		58.4		9	35	36
SYNGENTA SY 1526	94.7	95.3	58.7	57.6	12	42	36
LCS 34969	94.7		58.3		10	42	37
ARMOR ARX 1270	94.6		59.8		15	42	37
AgriMAXX 415	94.6	93.8	60.1	59.4	6	38	37
USG 3438	94.4		55.9		6	36	36
Dyna-Gro 9343	94.1		59.3		18	42	38
AgriMAXX EXP 1335	93.8		58.0		19	38	38
USG 3993	93.7		59.7		19	42	38
STEYER HEILMAN	93.7		58.2		8	44	39
Pioneer variety 26R22	93.7	94.1	56.7	56.8	14	41	36
Delta Grow 7300	93.6		55.6		12	39	39
PROGENY P 357	93.3	94.7	55.5	55.3	12	39	39
KY03C-1237-07	93.0		58.9		3	36	36
PROGENY PGX 12-3	92.9		57.5		7	37	39
Equity Brand Sienna	92.8	93.8	57.9	57.7	12	44	39
Terral TV8535	92.8	96.2	56.1	56.0	3	36	36
USG 3251	92.7	96.8	58.0	57.9	18	41	39
Dyna-Gro Dinah	92.6	91.5	60.5	60.0	12	40	37
Terral TV8848	92.5	95.1	57.7	57.5	23	39	37
Pioneer variety 26R41	92.5		58.0		9	37	38
KAS 5058	92.5	93.0	60.1	59.7	20	41	37
SYNGENTA SY 007	92.4		57.9		5	40	34
Equity Brand Quest	92.3	94.4	57.6	57.3	4	41	41
KY03C-1237-39	92.2		57.9		11	37	35
Pioneer variety 25R78	92.1	92.9	57.2	57.1	3	38	36
KAS ELLERY	91.8		59.1		0	39	40
SS 8350	91.7		56.4		7	38	39

Table 3. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Pembroke 2008	91.6	93.1	59.0	58.5	6	39	36
STEYER DOWELL	91.6		56.7		23	38	36
SS 8700	91.6	95.6	56.4	57.1	19	40	40
Dyna-Gro 9012	91.6	93.5	60.2	59.4	6	38	37
ARMOR RAMPAGE	91.6		56.8		19	39	36
KAS S1100	91.3		56.6		22	39	36
SYNGENTA OAKES	91.2	89.3	59.4	58.7	13	39	37
PROGENY P 185	91.0	91.8	57.9	57.6	5	43	37
Pioneer variety 25R32	91.0	93.5	59.6	59.0	10	40	40
BECK 135	91.0	95.2	57.9	57.9	9	40	38
ARMOR ROCKET	90.8		59.8		22	41	36
SC 1341	90.7	94.6	56.8	56.5	7	37	40
Pioneer variety 25R56	90.5	93.3	56.0	56.3	27	38	39
KY03C-1237-11	90.5		59.4		5	39	40
SC 1302	90.3		59.9		21	40	35
Delta Grow 7200	89.8		58.1		16	38	38
SS 8340	89.8	92.9	59.9	59.4	9	38	38
LCS 38686	89.4		59.4		22	39	37
KY03C-1237-32	89.2	92.5	59.4	58.9	3	35	35
Equity Brand Edge	89.2		59.1		18	42	39
AgriMAXX 412	89.0	94.1	59.1	59.0	25	39	35
SYNGENTA SY 483	88.8		56.8		24	39	38
USG 3612	88.7		56.3		22	38	36
VA 09W-73	88.7		58.3		21	37	36
KAS S1000	88.5		58.8		15	42	39
Delta Grow 7500	88.3	93.3	57.7	56.8	6	37	38
AgriMAXX 422	88.2		57.7		23	40	36
SS 8412	87.9		58.2		7	35	35
ARMOR ARX 1206	86.9		55.5		19	37	37
PROGENY P 308	86.7		58.6		12	38	37
SYNGENTA W1104	86.5	91.3	55.5	55.7	31	39	39
Terral TV8525	86.4	90.0	58.5	58.0	11	38	37
SS 8500	86.3	86.8	56.1	56.1	15	42	37
Bess	86.3	87.5	59.0	59.0	22	40	36
Pioneer variety 26R20	86.1	86.8	56.1	56.1	16	40	39
Truman	85.7	86.3	59.8	58.9	24	43	43
SYNGENTA SY HARRISON	85.5		56.2		3	37	38
Terral TV8861	84.7	90.3	57.7	57.4	13	37	39
PROGENY P 125	83.9	86.4	55.2	55.7	17	34	33
Pioneer variety XW11G	83.1		57.5		21	38	38
KY03C-1237-28	82.9		59.5		21	40	37
SYNGENTA SY 9978	82.3	82.4	53.5	54.5	21	42	37
PROGENY P 117	80.0	87.5	56.5	57.2	38	40	33
KY04C-3006-33-14-3	78.5		59.9		15	40	36
SS 8404	77.7	84.1	56.3	57.3	17	34	36
Clark	74.9	76.7	57.1	56.9	16	44	35
AVERAGE	91.7	92.7	57.9	57.5	13	39	37
C.V.	7.5	7.0					
LSD (0.10)	4.3	7.5					

* Summary of seven tests (Caldwell, Nelson, Logan, Henderson, Trigg, Graves, Fayette).

Table 4. 2013 Kentucky Wheat Forage Test.

VARIETY	DM Yield* at Milk Stage (tons/ac)			Head Type
	2013	2012-13	2011-13	
VA 09W-73	5.39			Smooth
KY03C-1237-12	5.37	4.24		Bearded
KY03C-1002-02	5.36	4.23		Bearded
KY03C-1237-32	5.36	4.26	3.93	Bearded
SS 8700	5.34	4.36	4.21	Bearded
Dyna-Gro Dinah	5.32	4.47	4.17	Smooth
KY03C-1237-11	5.21	4.22		Bearded
KY03C-1237-39	5.20	4.18		Bearded
SC 1342	5.20	4.55		Smooth
Dyna-Gro 9343	5.15			Smooth
KY03C-1237-10	5.13	4.22		Bearded
STEYER PIERSON	5.13			Smooth
AgriMAXX 447	5.11			Smooth
PROGENY PGX 12-10	5.11			Bearded
Pioneer variety 26R20	5.11	4.28	3.98	Bearded
PROGENY P 357	5.09	4.48	4.30	Bearded
Pioneer variety 26R22	5.09	4.12	3.80	Bearded
SS 8412	5.09	4.36		Smooth
BECK 113	5.08	4.20	4.04	Smooth
STEYER HUNKER	5.06	4.37		Smooth
KY03C-1237-05	5.05	4.18		Bearded
Dyna-Gro 9223	5.04	4.45		Smooth
LCS 34969	5.04			Smooth
SS 8340	5.02	4.09	3.85	Bearded
KAS 5058	5.01	4.06	3.86	Smooth
SS 8500	5.00	4.18	3.91	Bearded
SYNGENTA SY 483	4.99	4.17		Smooth
BECK 129	4.98			Smooth
ARMOR ARX 1107	4.96	4.15		Bearded
AgriMAXX 415	4.93	4.22	3.74	Bearded
AgriMAXX 412	4.92	4.08	3.76	Smooth
BECK 135	4.91	4.25	3.97	Bearded
ARMOR ARX 1270	4.90			Smooth
Delta Grow 7200	4.87			Bearded
Dyna-Gro 9012	4.87	4.23	3.94	Bearded
KY04C-3006-33-14-3	4.87			Bearded
Pembroke 2008	4.87	3.90	3.76	Bearded
Pioneer variety 26R10	4.87	4.11	3.97	Bearded
Pioneer variety 26R41	4.87			Bearded
ARMOR ARX 1204	4.86			Smooth
PROGENY P 117	4.86	3.99	3.69	Smooth
PROGENY PGX 12-3	4.85			Bearded
STEYER DOWELL	4.85			Smooth
Equity Brand EXP 101	4.83			Smooth
SS 8404	4.82	4.07	3.96	Bearded
ARMOR ARX 1206	4.81			Bearded
AgriMAXX 413	4.80	4.03	3.71	Bearded
Delta Grow 9700	4.77			Smooth
KY03C-1237-28	4.77			Bearded
Pioneer variety 25R56	4.77	4.13	3.78	Smooth
Pioneer variety 25R32	4.74	4.05	3.84	Bearded
USG 3993	4.74			Smooth

VARIETY	DM Yield* at Milk Stage (tons/ac)			Head Type
	2013	2012-13	2011-13	
KAS ELLERY	4.72			Smooth
Terral TV8848	4.72	4.26	4.01	Bearded
Pioneer variety 25R40	4.69			Bearded
SS 8350	4.69	3.89		Bearded
SC 1341	4.68	3.92	3.76	Bearded
Pioneer variety 25R78	4.66	3.72	3.43	Bearded
USG 3612	4.65	4.18		Smooth
AgriMAXX EXP 1335	4.64			Bearded
SC 1302	4.61	3.75		Smooth
ARMOR RAMPAGE	4.60	4.06		Smooth
ARMOR ROCKET	4.59			Smooth
BECK 120	4.59	3.80		Bearded
KAS S1100	4.59	3.86		Smooth
LCS 38686	4.59			Smooth
KAS S1000	4.58	3.66		Smooth
KY03C-1237-07	4.58	3.87		Bearded
SC 1321	4.58	3.88	3.64	Bearded
SYNGENTA SY 1526	4.58	3.81	3.58	Smooth
Terral TV8525	4.55	3.66	3.57	Bearded
Clark	4.54	3.64	3.31	Smooth
Pioneer variety XW11G	4.54			Bearded
USG 3438	4.54	3.72		Bearded
Equity Brand Sienna	4.53	3.81	3.62	Smooth
Terral TV8861	4.53	3.90	3.66	Bearded
AgriMAXX 422	4.52			Bearded
SYNGENTA W1104	4.51	3.98	3.86	Smooth
Pioneer variety 26R53	4.50			Bearded
STEYER HEILMAN	4.47	3.79		Smooth
Truman	4.47	3.82	3.67	Smooth
Delta Grow 7500	4.46	3.77	3.72	Bearded
Bess	4.45	3.64	3.41	Smooth
Equity Brand Edge	4.44	3.80		Smooth
SYNGENTA OAKES	4.43	3.89	3.71	Smooth
Delta Grow 7300	4.41	4.01		Bearded
USG 3251	4.37	3.93	3.89	Bearded
PROGENY P 870	4.36	3.83	3.64	Bearded
Equity Brand Quest	4.33	3.68	3.58	Smooth
SYNGENTA SY 9978	4.31		3.79	Bearded
PROGENY P 185	4.30	3.69	3.52	Smooth
PROGENY P 125	4.28	3.53	3.19	Smooth
Terral TV8535	4.27	3.76	3.58	Bearded
SYNGENTA SY 007	4.24			Bearded
PROGENY P 308	4.23	3.73		Bearded
KAS S1200	4.22	3.54	3.34	Bearded
Dyna-Gro 9042	4.15	3.82	3.85	Smooth
Dyna-Gro 9171	4.07	3.58	3.53	Bearded
SYNGENTA SY HARRISON	4.03	3.55		Bearded
AVERAGE	4.75	3.99	3.76	
C.V.	9.30	9.43	9.59	
LSD (0.10)	0.73	0.45	0.36	

Location: Bluegrass Region - Fayette Co.; conventional tillage
Planting date: 10-16-12; *DM = dry matter yield
Harvest date: 5-30-13

Table 5. 2013 Kentucky Wheat Straw Test.

VARIETY	DM Yield* (tons/ac)		
	2013	2012-13	2011-13
Equity Brand Sienna	1.97	1.40	1.28
ARMOR ARX 1270	1.84		
ARMOR RAMPAGE	1.81	1.33	
STEYER PIERSON	1.76		
LCS 34969	1.75		
Dyna-Gro Dinah	1.74	1.37	1.23
KAS ELLERY	1.74		
SS 8500	1.73	1.40	1.26
USG 3993	1.71		
KAS S1100	1.69	1.19	
SC 1342	1.69	1.31	
BECK 129	1.68		
Pioneer variety 26R20	1.68	1.22	1.20
SYNGENTA SY 483	1.68	1.33	
Equity Brand EXP 101	1.67		
Equity Brand Edge	1.67	1.29	
Pioneer variety 25R78	1.67	1.17	1.00
ARMOR ROCKET	1.66		
AgriMAXX 447	1.66		
STEYER DOWELL	1.66		
SYNGENTA SY 9978	1.66		1.37
Dyna-Gro 9223	1.65	1.32	
Pioneer variety 25R32	1.65	1.20	1.07
SS 8700	1.62	1.30	1.23
Dyna-Gro 9343	1.61		
KY03C-1237-11	1.59	1.34	
KY03C-1237-28	1.59		
Pembroke 2008	1.59	1.20	1.14
STEYER HEILMAN	1.59	1.24	
BECK 113	1.58	1.19	1.07
KY03C-1237-32	1.58	1.29	1.09
ARMOR ARX 1206	1.57		
BECK 135	1.57	1.32	1.18
STEYER HUNKER	1.57	1.26	
KY04C-3006-33-14-3	1.55		
ARMOR ARX 1204	1.54		
Equity Brand Quest	1.53	1.16	1.12
KY03C-1237-05	1.53	1.13	
AgriMAXX 415	1.51	1.31	1.08
KAS S1000	1.50	1.18	
PROGENY P 357	1.50	1.21	1.10
Pioneer variety 26R22	1.50	1.19	1.13
Pioneer variety XW11G	1.50		
SYNGENTA SY 1526	1.50	1.25	1.06
SC 1302	1.49	1.14	
Delta Grow 9700	1.48		
USG 3251	1.48	1.10	1.08
PROGENY P 117	1.47	1.09	1.03
SYNGENTA SY 007	1.47		
Terral TV8861	1.47	1.26	1.15
USG 3612	1.46	1.13	
PROGENY PGX 12-3	1.45		

VARIETY	DM Yield* (tons/ac)		
	2013	2012-13	2011-13
Dyna-Gro 9042	1.44	1.15	1.03
AgriMAXX EXP 1335	1.43		
SS 8350	1.43	1.17	
KAS 5058	1.41	1.18	1.06
Terral TV8848	1.39	1.20	1.08
ARMOR ARX 1107	1.38	1.15	
KY03C-1002-02	1.38	1.12	
KY03C-1237-10	1.38	1.12	
Pioneer variety 26R53	1.38		
AgriMAXX 422	1.37		
Delta Grow 7500	1.37	1.14	1.03
SYNGENTA W1104	1.37	1.14	1.06
Delta Grow 7200	1.36		
PROGENY P 185	1.36	1.08	0.95
SS 8340	1.36	1.11	0.99
Clark	1.34	1.03	0.95
PROGENY P 870	1.34	1.05	0.96
SS 8412	1.34	1.12	
AgriMAXX 413	1.33	1.14	1.03
Pioneer variety 25R56	1.33	0.99	0.87
AgriMAXX 412	1.32	1.06	1.01
LCS 38686	1.32		
Pioneer variety 26R10	1.32	1.06	1.06
Terral TV8525	1.30	1.14	1.02
Pioneer variety 25R40	1.28		
Pioneer variety 26R41	1.28		
Truman	1.28	1.13	1.16
KAS S1200	1.27	1.05	0.91
VA 09W-73	1.27		
Dyna-Gro 9171	1.26	1.08	0.96
PROGENY PGX 12-10	1.26		
PROGENY P 308	1.25	1.01	
Dyna-Gro 9012	1.24	1.11	0.95
KY03C-1237-12	1.24	1.09	
SS 8404	1.24	1.11	1.01
SYNGENTA OAKES	1.21	1.01	0.93
Delta Grow 7300	1.20	1.08	
KY03C-1237-07	1.20	1.07	
Terral TV8535	1.18	0.98	0.94
KY03C-1237-39	1.17	0.96	
Bess	1.14	0.95	0.88
SYNGENTA SY HARRISON	1.11	1.06	
SC 1341	1.10	0.86	0.79
USG 3438	1.09	1.00	
PROGENY P 125	1.04	0.86	0.82
SC 1321	1.00	0.96	0.85
BECK 120	0.95	0.96	
AVERAGE	1.45	1.15	1.05
C.V.	17.87	17.97	19.20
LSD (0.10)	0.43	0.25	0.21

Location: Bluegrass Region - Fayette Co.; Conventional tillage.
 Planting date:10-16-12; Harvest date: 7-10-13.
 * Dry Matter straw yield following grain harvest.

Table 6. 2013 Kentucky Wheat Test - Purchase Region.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Pioneer variety 26R10	110.2	113.6	60.8	59.6	0	39	33
KY03C-1002-02	109.2		59.2		20	35	30
ARMOR ARX 1107	108.8		60.0		3	38	31
BECK 120	108.7		59.1		3	37	31
Pioneer variety 26R53	108.2		61.3		15	37	32
Dyna-Gro 9042	106.6	108.3	59.2	59.0	50	40	31
KY03C-1237-07	103.8		60.2		9	36	30
SC 1321	103.4	106.3	59.4	58.0	0	37	31
KY03C-1237-05	103.2		61.7		16	41	34
PROGENY PGX 12-10	102.9		58.5		44	39	31
KAS S1200	102.3	107.7	59.1	58.2	0	37	31
Pioneer variety 26R22	101.8	106.1	56.3	57.4	51	42	30
PROGENY P 870	101.7	107.3	59.0	57.8	5	37	31
Pioneer variety 26R41	101.6		61.9		4	37	33
Terral TV8535	101.4	109.8	59.3	58.2	4	38	31
USG 3251	100.1	108.4	60.3	58.6	45	42	34
KY03C-1237-12	99.3		60.0		21	37	31
Dyna-Gro 9171	99.3	107.9	58.4	57.8	20	37	30
USG 3438	99.1		58.5		24	38	31
AgriMAXX 413	98.9	109.7	58.6	57.8	8	37	31
AgriMAXX EXP 1335	97.7		59.7		31	40	32
SC 1342	97.7		59.4		26	42	33
PROGENY P 357	96.7	102.6	58.0	57.1	35	41	34
Delta Grow 9700	96.7		59.4		34	41	33
PROGENY PGX 12-3	96.6		58.8		10	38	33
Terral TV8848	96.5	104.7	60.2	58.7	25	40	33
STEYER HUNKER	96.5		59.0		61	42	33
BECK 113	96.5	100.4	61.1	60.1	16	39	31
AgriMAXX 447	96.1		61.2		0	42	35
STEYER PIERSON	95.4		60.5		30	45	33
SS 8350	95.4		59.1		23	39	34
KY03C-1237-10	95.2		60.1		1	35	31
SS 8700	95.2	104.5	59.7	59.4	56	42	35
Pioneer variety 26R20	95.1	101.3	61.0	59.9	24	42	35
BECK 129	94.7		59.1		53	42	33
KY03C-1237-39	94.6		58.9		36	38	30
Equity Brand EXP 101	94.5		60.5		8	45	33
KAS 5058	94.4	98.5	60.8	60.5	16	41	32
SYNGENTA SY 9978	94.0	97.0	57.6	57.3	41	45	31
Delta Grow 7300	93.9		59.0		31	39	34
KY03C-1237-32	93.9	103.5	59.6	59.6	15	35	29
SYNGENTA W1104	93.3	101.7	58.8	56.9	45	39	34
Dyna-Gro 9343	93.2		59.4		29	45	33
Dyna-Gro Dinah	93.1	96.2	61.4	60.7	6	41	32
BECK 135	92.5	100.1	60.7	59.3	3	42	34
SYNGENTA SY 483	92.3		57.8		34	41	33
Pioneer variety 25R78	91.5	100.5	59.2	59.0	1	39	31
SS 8500	91.3	94.1	57.1	56.9	60	43	31
ARMOR ROCKET	91.2		60.3		43	41	32
SYNGENTA OAKES	90.4	96.3	60.9	60.3	31	40	33
SYNGENTA SY 1526	90.1	100.8	59.0	58.9	14	43	31
LCS 34969	89.6		59.5		41	43	33
SC 1341	89.5	101.0	58.8	58.0	9	37	36

Table 6. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
SYNGENTA SY 007	89.5		59.6		3	42	29
USG 3993	89.4		59.0		44	45	33
AgriMAXX 415	88.7	100.3	60.8	60.0	1	37	33
KAS S1100	88.6		58.0		49	38	32
ARMOR ARX 1204	88.3		60.1		4	40	36
KY03C-1237-11	88.2		62.1		1	39	36
Dyna-Gro 9223	88.2		59.0		63	42	33
Equity Brand Quest	87.6	94.5	60.0	58.9	0	42	37
Terral TV8861	87.3	99.2	60.5	58.9	45	38	36
KAS ELLERY	87.0		60.3		0	39	36
ARMOR ARX 1270	86.8		59.6		44	44	33
Pembroke 2008	86.6	98.9	59.2	59.4	19	38	30
Terral TV8525	86.5	97.4	59.3	59.3	26	38	32
Pioneer variety 25R40	85.8		61.4		21	36	34
SC 1302	85.5		59.6		54	40	32
PROGENY P 185	85.3	96.1	59.4	58.8	0	42	33
SYNGENTA SY HARRISON	84.6		58.8		6	38	33
Delta Grow 7200	84.5		59.4		26	38	33
ARMOR RAMPAGE	83.2		56.5		70	39	30
KY03C-1237-28	83.1		60.2		53	42	32
Pioneer variety 25R32	82.9	97.1	61.9	60.6	6	40	36
AgriMAXX 412	82.8	96.4	59.5	59.4	43	39	31
PROGENY P 308	82.8		59.4		43	37	32
VA 09W-73	82.8		59.1		50	37	30
Delta Grow 7500	82.2	100.5	60.0	58.5	20	38	35
Pioneer variety XW11G	82.0		60.9		58	39	34
SS 8412	82.0		59.6		6	33	29
USG 3612	81.9		56.6		69	38	31
Equity Brand Edge	81.7		59.9		35	43	34
KAS S1000	81.0		59.0		8	42	34
Pioneer variety 25R56	80.9	98.1	58.7	58.9	44	39	35
SS 8404	80.2	94.0	59.3	59.7	56	32	30
STEYER HEILMAN	80.1		59.2		3	45	34
STEYER DOWELL	79.4		57.5		64	39	31
LCS 38686	78.7		58.7		49	39	31
AgriMAXX 422	77.7		57.2		45	39	31
Clark	77.6	79.7	58.8	58.4	18	45	30
Equity Brand Sienna	76.9	88.5	59.1	58.4	23	45	34
ARMOR ARX 1206	75.9		57.1		71	35	32
SS 8340	75.6	92.1	60.9	59.9	19	37	35
KY04C-3006-33-14-3	75.2		59.9		50	41	30
Truman	74.8	88.3	60.5	58.8	56	45	39
Dyna-Gro 9012	73.5	91.7	61.2	60.2	23	36	35
Bess	72.2	86.6	58.8	59.6	79	41	30
PROGENY P 117	69.2	89.0	55.4	57.5	74	39	28
PROGENY P 125	55.2	80.2	54.1	56.4	66	33	27
AVERAGE	90.3	99.0	59.4	58.8	29	40	32
C.V.	9.2	7.8					
LSD (0.10)	13.8	8.8					

Location: Graves Co.
Planting date: 10-11-12; conventional tillage
Harvest date: 6-15-13

Table 7. 2013 Kentucky Wheat Test - Western Coal Field Region.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
AgriMAXX 447	108.1		60.0		6	41	39
BECK 113	107.7	107.1	61.9	60.1	3	38	35
Dyna-Gro 9042	106.9	106.7	59.0	59.2	45	39	35
Dyna-Gro 9171	106.1	106.1	57.5	58.2	15	38	35
ARMOR ARX 1107	106.1		59.5		5	39	36
Pioneer variety 25R78	106.0	102.2	60.3	60.2	6	40	34
USG 3438	105.1		56.7		15	39	34
BECK 129	104.2		59.4		31	41	37
ARMOR ARX 1204	104.1		59.4		11	41	38
KAS ELLERY	103.0		60.3		1	40	38
AgriMAXX 413	102.9	102.2	57.8	58.3	10	38	35
KY03C-1002-02	102.6		60.4		5	38	34
LCS 34969	101.7		60.2		10	43	36
KY03C-1237-10	100.7		60.4		8	37	35
Pioneer variety 26R22	99.9	99.3	59.4	59.6	20	42	35
AgriMAXX 415	99.9	97.1	60.7	60.9	24	39	35
AgriMAXX EXP 1335	99.7		59.2		28	40	37
Dyna-Gro 9343	99.6		59.8		28	43	37
SYNGENTA SY 007	99.4		58.0		13	40	31
SC 1321	99.2	101.3	57.2	58.2	0	38	35
SYNGENTA SY 1526	99.1	100.9	57.7	57.2	40	42	35
PROGENY P 870	99.1	101.5	58.0	58.6	4	39	35
Pioneer variety 25R40	99.0		59.8		23	37	36
KAS S1200	99.0	102.1	58.0	58.4	6	37	36
KY03C-1237-12	99.0		60.2		11	36	35
SS 8412	98.9		61.3		14	36	35
Pioneer variety 26R41	98.8		60.1		21	38	37
Pioneer variety 26R10	98.3	100.1	59.2	59.6	16	38	37
Dyna-Gro 9223	98.1		58.2		45	43	37
ARMOR ARX 1270	98.0		60.1		30	44	36
ARMOR RAMPAGE	98.0		57.5		35	39	35
Pioneer variety 26R53	98.0		60.9		11	38	36
SYNGENTA OAKES	97.9	95.8	60.4	60.2	21	39	36
PROGENY P 125	97.6	93.4	57.8	58.2	3	35	30
PROGENY PGX 12-10	97.6		56.1		38	40	35
BECK 120	97.5		58.0		13	37	35
AgriMAXX 412	97.4	99.8	58.6	59.6	44	40	33
Dyna-Gro 9012	97.3	97.1	61.4	61.0	9	39	36
Pembroke 2008	97.1	98.0	60.5	59.8	10	40	34
STEYER DOWELL	97.0		57.7		45	39	35
USG 3612	97.0		57.6		39	39	34
SS 8350	96.6		57.8		14	40	37
Equity Brand EXP 101	96.6		60.2		6	41	38
ARMOR ARX 1206	96.4		56.8		41	39	35
STEYER HEILMAN	96.4		59.1		36	46	37
KAS S1100	96.1		57.3		40	40	35
Delta Grow 9700	96.0		58.7		36	41	37
Pioneer variety 25R56	95.7	100.5	58.9	59.1	20	39	36
Equity Brand Sienna	95.4	100.6	58.5	58.9	5	45	37
Terral TV8535	95.4	99.7	56.2	57.2	18	38	35
ARMOR ROCKET	94.8		59.8		34	41	34
BECK 135	94.6	98.8	58.1	59.1	25	42	38
AgriMAXX 422	94.5		59.2		26	41	35

Table 7. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
SS 8340	94.5	97.8	59.2	60.6	35	39	35
Equity Brand Quest	94.3	97.1	57.5	58.3	14	42	39
Delta Grow 7500	94.1	99.0	58.9	58.6	8	38	36
KY03C-1237-05	93.9		60.4		13	39	39
USG 3993	93.9		59.6		34	43	37
KAS 5058	93.9	96.4	60.0	60.5	30	43	36
STEYER HUNKER	93.8		58.0		56	43	37
STEYER PIERSON	93.4		58.9		36	42	36
KY03C-1237-39	93.2		58.7		19	39	34
KAS S1000	93.2		60.3		21	43	37
KY03C-1237-07	93.1		59.7		0	36	34
USG 3251	93.1	97.9	58.2	58.9	33	42	37
PROGENY P 357	93.1	97.5	56.2	56.7	19	40	38
Terral TV8848	93.0	96.7	57.9	58.1	59	41	35
SS 8700	92.6	99.0	58.4	59.2	38	41	38
VA 09W-73	92.5		58.4		53	39	35
SC 1302	92.5		59.1		23	41	33
SC 1342	92.1		58.5		18	41	37
SYNGENTA SY HARRISON	91.7		56.4		15	39	36
SS 8500	91.0	94.5	59.1	59.0	24	44	37
SYNGENTA SY 9978	90.9	89.0	55.9	56.8	28	44	35
PROGENY PGX 12-3	90.8		58.5		24	39	37
Delta Grow 7200	90.4		58.3		35	40	36
Equity Brand Edge	90.3		59.6		36	42	38
PROGENY P 185	90.3	91.5	58.9	58.5	24	44	35
Dyna-Gro Dinah	90.0	95.9	60.4	61.0	18	40	35
KY03C-1237-11	89.9		59.5		21	41	38
Pioneer variety 26R20	89.5	91.4	59.1	58.9	31	41	38
LCS 38686	89.2		60.0		34	40	36
Terral TV8861	89.0	93.0	58.5	59.1	19	39	37
KY03C-1237-32	88.9	90.2	60.7	60.5	3	35	33
SC 1341	88.6	96.0	56.2	57.0	23	38	39
SYNGENTA SY 483	88.6		57.1		40	42	37
Bess	88.5	88.9	59.9	60.4	24	41	35
Terral TV8525	88.2	91.9	59.1	59.2	29	40	36
Pioneer variety 25R32	88.0	90.3	59.6	59.9	28	41	37
SS 8404	86.7	89.5	58.6	59.7	51	35	33
Delta Grow 7300	85.7		57.0		19	40	37
PROGENY P 308	85.3		60.3		15	40	37
SYNGENTA W1104	84.9	92.2	55.8	56.8	60	40	38
KY03C-1237-28	84.8		60.2		33	42	36
KY04C-3006-33-14-3	82.9		60.7		30	41	35
Pioneer variety XW11G	82.2		57.6		48	39	36
Truman	81.6	86.9	58.7	58.7	16	44	42
PROGENY P 117	81.4	85.4	57.9	58.4	53	41	32
Clark	78.6	80.4	57.0	57.8	41	46	33
AVERAGE	94.9	96.4	58.8	59.0	24	40	36
C.V.	6.8	6.4					
LSD (0.10)	10.6	7.1					

Location: Caldwell Co. (Princeton)
Planting date: 10-15-12; no-till
Harvest date: 6-21-13

Table 8. 2013 Kentucky Wheat Test - Ohio Valley Region.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Pioneer variety 26R10	117.0	111.2	60.4	59.2	3	38	39
SC 1321	116.0	105.0	57.8	55.3	0	37	36
Dyna-Gro 9042	113.3	110.9	59.1	58.4	10	38	37
KAS S1200	113.2	107.3	58.4	57.3	5	37	37
Dyna-Gro 9171	112.4	106.7	57.1	56.6	0	37	36
PROGENY PGX 12-10	112.3		57.8		15	39	36
PROGENY P 870	111.2	106.0	58.1	57.2	1	37	36
BECK 120	110.3		57.2		5	37	36
BECK 113	110.1	104.1	60.4	58.4	20	38	36
Delta Grow 7300	109.5		56.6		16	39	39
AgriMAXX 447	109.3		60.6		16	40	40
AgriMAXX 413	108.7	108.4	58.0	57.5	0	37	37
Pioneer variety 25R40	107.9		60.5		0	36	39
Delta Grow 9700	107.2		59.9		9	41	38
Pioneer variety 26R20	107.1	99.3	59.6	57.8	24	40	39
USG 3251	105.4	107.5	60.5	59.9	16	41	39
Dyna-Gro 9223	105.3		59.9		0	41	38
Pioneer variety 26R53	105.3		60.1		0	37	38
ARMOR ARX 1107	105.2		57.9		14	39	37
SS 8700	105.2	106.9	58.6	58.2	13	39	40
SC 1342	105.1		59.8		14	41	38
BECK 135	104.6	103.7	60.3	59.4	13	41	39
Pioneer variety 26R22	104.5	101.5	58.4	57.6	10	41	37
PROGENY P 357	104.2	100.6	57.4	55.9	11	39	39
ARMOR ARX 1204	104.1		60.1		16	40	40
STEYER HUNKER	104.1		58.7		38	41	38
Pioneer variety 25R32	103.3	102.6	61.0	59.7	9	39	40
BECK 129	102.7		59.5		26	41	39
USG 3438	102.2		57.8		0	35	37
SYNGENTA SY 1526	101.9	94.2	60.0	57.6	5	42	37
KY03C-1237-11	101.9		60.3		9	40	40
Pioneer variety 26R41	101.7		60.4		16	37	39
SYNGENTA SY 9978	101.6	91.3	57.2	56.3	23	42	38
PROGENY PGX 12-3	101.6		58.3		0	37	39
Pioneer variety 25R78	101.5	99.8	59.8	58.5	11	38	37
STEYER HEILMAN	100.9		58.0		10	44	39
KY03C-1237-05	100.8		60.5		10	38	40
Delta Grow 7200	100.7		59.0		21	39	39
KAS 5058	100.6	99.3	60.1	59.7	40	41	37
Equity Brand Sienna	100.6	100.2	57.7	57.7	33	45	38
Delta Grow 7500	100.3	100.4	59.6	57.8	0	37	38
SYNGENTA SY HARRISON	100.2		59.0		0	37	39
AgriMAXX EXP 1335	99.8		58.7		18	37	38
Terral TV8848	99.8	96.3	59.8	58.7	8	40	38
Equity Brand EXP 101	99.7		60.6		24	42	38
Bess	99.6	95.0	58.4	58.4	13	41	37
SS 8412	99.5		61.9		20	36	36
SYNGENTA SY 007	99.4		58.7		6	41	36
SS 8500	99.1	90.3	59.1	57.3	3	43	38
Dyna-Gro 9012	98.9	98.1	61.2	59.9	4	37	38
Terral TV8535	98.9	100.6	57.6	57.2	0	36	37
KAS ELLERY	98.8		61.3		0	39	40
LCS 34969	98.2		59.3		15	40	38

Table 8. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
PROGENY P 185	97.8	98.4	58.7	58.4	9	44	38
Dyna-Gro 9343	97.6		60.9		11	42	38
AgriMAXX 422	97.6		58.5		45	41	36
SYNGENTA W1104	97.0	97.7	56.9	56.5	35	39	39
KY03C-1237-10	96.6		59.4		13	37	36
STEYER DOWELL	96.3		57.7		18	39	37
SC 1341	96.3	101.6	57.7	57.1	5	37	40
Terral TV8525	96.2	94.2	60.3	58.7	8	38	38
Pembroke 2008	96.1	95.1	61.2	59.6	0	39	36
STEYER PIERSON	95.5		60.5		31	44	38
Equity Brand Quest	95.5	99.8	57.2	57.2	13	41	41
ARMOR ARX 1270	95.2		61.0		18	42	38
KY03C-1237-07	94.9		58.8		4	37	36
ARMOR ARX 1206	94.9		60.1		8	36	39
KY03C-1002-02	94.7		59.3		1	37	36
Dyna-Gro Dinah	94.6	90.3	60.9	59.7	26	41	37
Equity Brand Edge	94.4		59.5		11	42	38
USG 3993	94.3		60.4		39	42	38
ARMOR RAMPAGE	94.3		58.4		8	39	37
SS 8350	93.8		59.5		0	37	40
KY03C-1237-12	93.8		58.3		23	36	36
Pioneer variety 25R56	93.7	93.9	56.0	55.7	38	39	40
PROGENY P 308	93.6		59.7		11	38	38
AgriMAXX 415	93.6	95.5	61.3	60.2	1	37	38
Terral TV8861	93.5	93.9	60.4	58.8	0	36	40
SYNGENTA OAKES	93.4	85.4	60.4	57.7	9	38	39
KAS S1000	93.4		59.3		43	42	39
KAS S1100	93.1		57.8		14	38	37
SS 8340	93.0	95.3	61.2	59.9	6	38	38
KY03C-1237-28	92.2		59.5		20	41	37
KY03C-1237-39	92.0		59.3		8	38	36
AgriMAXX 412	91.8	101.7	60.0	60.0	38	40	37
PROGENY P 125	91.1	94.8	55.2	55.6	38	35	35
Pioneer variety XW11G	89.9		60.2		16	38	39
ARMOR ROCKET	89.6		60.1		18	40	37
SYNGENTA SY 483	89.0		58.0		30	38	39
SS 8404	88.7	89.1	59.5	58.0	9	33	36
LCS 38686	88.5		59.6		51	40	37
USG 3612	88.4		56.3		25	38	37
SC 1302	85.4		60.8		29	39	37
Truman	85.2	86.0	59.6	58.9	26	41	45
Clark	84.2	82.9	56.8	56.6	18	45	36
VA 09W-73	83.8		61.1		33	35	37
KY03C-1237-32	82.8	91.0	61.0	59.6	0	36	35
PROGENY P 117	82.7	94.5	56.4	57.2	66	41	35
KY04C-3006-33-14-3	69.8		61.9		4	38	38
AVERAGE	98.6	98.4	59.2	58.1	15	39	38
C.V.	7.1	7.2					
LSD (0.10)	11.6	8.3					

Location: Henderson Co.
Planting date: 10-13-12; no-till
Harvest date: 6-22-13

Table 9. 2013 Kentucky Wheat Test - Bluegrass Region.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
SC 1342	102.4		58.6		0	39	43
KY03C-1237-05	100.3		58.1		0	37	44
ARMOR ARX 1107	99.6		57.4		0	36	42
KY03C-1237-10	98.2		57.6		0	36	42
AgriMAXX 447	98.0		59.1		0	38	45
ARMOR ARX 1204	97.8		59.5		0	38	45
BECK 129	97.7		57.8		9	39	43
STEYER DOWELL	97.7		56.6		8	37	42
Equity Brand Quest	97.6	84.7	57.2	55.0	0	39	45
KY03C-1237-12	97.5		58.0		0	34	42
KY03C-1002-02	97.3		58.6		0	35	41
STEYER HUNKER	97.2		58.3		0	39	43
Pioneer variety 26R10	97.1	85.2	57.9	55.9	0	36	43
ARMOR RAMPAGE	97.0		57.4		0	38	42
BECK 113	96.0	80.7	59.2	56.4	10	37	42
Pioneer variety 26R22	95.6	77.2	57.5	54.9	0	39	42
KY03C-1237-11	95.3		58.9		0	38	45
USG 3612	95.0		56.8		0	38	42
PROGENY PGX 12-10	94.6		55.4		0	36	42
Pembroke 2008	94.6	81.3	59.6	56.9	0	38	42
SYNGENTA SY 483	94.5		57.8		0	39	43
PROGENY P 357	94.4	82.4	55.8	54.0	1	38	43
Delta Grow 9700	94.3		57.4		15	39	43
Delta Grow 7300	93.7		55.7		0	37	43
KAS S1100	93.6		56.9		1	38	42
KY03C-1237-39	93.3		57.8		0	35	42
SC 1321	93.3	79.2	55.6	53.7	0	35	41
KAS S1200	93.2	81.2	55.8	53.9	0	37	41
STEYER PIERSON	93.2		59.7		1	40	42
USG 3993	93.0		60.0		1	39	42
SS 8412	93.0		59.6		0	34	42
BECK 135	92.9	80.8	57.9	56.0	0	38	43
Dyna-Gro Dinah	92.5	85.8	60.4	58.9	5	39	42
Pioneer variety 25R32	92.2	83.0	57.9	57.2	6	39	44
Equity Brand Sienna	92.1	77.7	58.6	56.5	0	43	43
KAS S1000	92.0		59.3		0	40	43
ARMOR ARX 1270	91.8		59.8		8	41	42
Pioneer variety 25R40	91.8		59.1		0	34	43
KY03C-1237-28	91.8		59.5		5	38	42
SS 8700	91.7	83.1	55.6	54.4	11	40	44
Dyna-Gro 9223	91.7		56.9		13	40	42
Terral TV8848	91.6	83.8	57.4	56.1	9	37	42
LCS 34969	91.3		58.3		0	41	42
AgriMAXX 415	90.9	75.4	59.7	57.6	3	37	42
SYNGENTA SY 007	90.9		58.3		0	38	40
Dyna-Gro 9042	90.7	79.4	56.7	54.9	8	38	42
LCS 38686	90.6		59.7		0	38	42
STEYER HEILMAN	90.5		58.4		0	43	44
AgriMAXX 413	90.4	77.7	55.8	53.5	0	35	41
Pioneer variety 26R41	90.3		57.3		0	35	43
Dyna-Gro 9171	90.1	78.4	54.9	53.6	1	35	41
Pioneer variety 25R78	89.9	70.4	57.8	55.4	0	36	41
VA 09W-73	89.7		59.0		0	36	43

Table 9. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
KY03C-1237-07	89.6		59.0		0	34	42
SC 1302	89.4		60.4		0	38	41
Truman	89.4	76.3	61.0	58.1	0	40	46
Equity Brand Edge	89.0		58.8		0	40	43
USG 3438	88.9		54.9		0	36	41
PROGENY P 185	88.8	77.0	58.2	55.8	0	42	42
PROGENY P 870	88.8	80.4	55.2	53.8	0	35	41
Pioneer variety 26R53	88.8		59.1		0	34	42
Terral TV8535	88.7	77.5	54.6	53.6	0	34	42
SYNGENTA OAKES	88.6	73.5	60.0	57.8	0	37	44
Pioneer variety 25R56	88.6	75.0	55.1	54.0	23	36	43
SC 1341	88.5	77.0	56.8	54.3	4	36	45
Terral TV8525	88.3	77.2	59.2	56.8	0	36	42
BECK 120	88.3		54.8		0	34	42
Dyna-Gro 9012	88.2	76.5	58.9	57.2	5	37	42
ARMOR ARX 1206	88.1		55.1		3	36	42
USG 3251	88.0	77.3	58.8	56.5	0	38	43
Delta Grow 7500	88.0	79.8	56.8	54.6	0	35	43
PROGENY P 125	87.9	70.1	56.3	53.4	0	34	40
AgriMAXX 422	87.8		58.0		1	38	41
SS 8340	87.8	77.0	59.7	57.6	0	37	41
KAS 5058	87.7	82.3	59.9	58.6	15	39	42
Equity Brand EXP 101	87.5		59.7		6	41	42
Dyna-Gro 9343	87.3		59.1		24	40	42
SS 8350	87.1		55.3		0	36	43
KAS ELLERY	87.0		57.9		0	37	46
Delta Grow 7200	86.9		57.4		5	36	42
KY03C-1237-32	86.9	77.5	59.8	57.8	0	33	41
SS 8500	86.8	72.8	57.6	54.4	4	40	43
KY04C-3006-33-14-3	86.6		60.7		0	38	42
SYNGENTA SY 1526	86.3	76.2	59.3	56.3	0	40	41
ARMOR ROCKET	85.8		60.4		8	40	42
PROGENY PGX 12-3	84.5		56.9		4	36	44
AgriMAXX EXP 1335	84.4		57.2		8	37	42
PROGENY P 308	84.3		58.6		0	36	42
Terral TV8861	83.3	73.4	56.8	56.0	0	35	43
SYNGENTA W1104	82.8	77.2	54.4	53.6	9	37	43
SYNGENTA SY HARRISON	81.4		55.5		0	36	43
SYNGENTA SY 9978	81.1	70.0	54.2	52.5	0	39	42
Bess	80.7	76.2	59.0	57.6	0	39	41
AgriMAXX 412	79.2	73.1	59.9	58.0	1	38	42
Pioneer variety XW11G	77.2		56.7		11	37	42
PROGENY P 117	77.1	74.4	58.5	56.8	8	39	40
Pioneer variety 26R20	76.8	66.4	53.4	52.8	13	38	43
SS 8404	72.9	66.6	54.8	55.2	1	34	42
Clark	68.8	51.8	57.3	54.9	0	42	41
AVERAGE	90.0	76.9	57.8	55.6	3	37	42
C.V.	7.5	7.0					
LSD (0.10)	11.2	6.7					

Location: Fayette Co. (Lexington)
Planting date: 10-16-12; conventional tillage
Harvest date: 6-26-13

Table 10. 2013 Kentucky Wheat Test - Southern Tier Region A.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Dyna-Gro Dinah	98.3	91.8	62.0	59.1	0	42	35
PROGENY PGX 12-3	95.7		58.7		0	39	37
Equity Brand EXP 101	95.0		61.1		0	44	37
AgriMAXX EXP 1335	94.7		59.1		0	40	36
SC 1321	94.6	94.4	55.6	54.5	0	38	35
Dyna-Gro 9012	94.6	92.5	60.9	58.4	0	40	36
Terral TV8848	94.4	94.5	58.6	56.8	0	41	36
KAS 5058	94.2	91.7	62.5	59.3	0	43	36
KAS S1200	93.4	91.7	55.4	54.4	0	38	35
AgriMAXX 415	93.4	90.1	59.7	58.0	0	41	35
Dyna-Gro 9171	93.2	94.2	55.3	54.4	0	38	35
ARMOR ARX 1270	92.9		58.9		0	43	36
SS 8340	92.6	93.6	60.2	58.0	0	40	36
KY03C-1237-32	91.5	92.1	58.6	56.9	0	35	31
LCS 38686	91.3		60.9		0	40	35
STEYER PIERSON	91.1		60.5		0	44	36
AgriMAXX 412	91.0	90.9	60.2	58.1	0	42	33
Delta Grow 7300	90.8		55.7		0	41	38
KY03C-1002-02	90.8		57.9		0	36	33
Dyna-Gro 9343	90.7		60.4		0	43	37
ARMOR ARX 1107	90.6		55.5		0	39	35
BECK 129	89.7		57.9		0	42	36
ARMOR ROCKET	89.6		60.9		0	43	34
SYNGENTA SY 1526	89.3	93.8	59.0	56.6	0	43	35
USG 3993	89.3		60.8		0	43	37
SC 1302	89.1		60.5		0	42	33
PROGENY P 870	89.0	93.9	55.4	54.4	0	38	36
VA 09W-73	88.9		57.3		0	39	33
LCS 34969	88.7		57.5		0	44	36
PROGENY P 185	88.5	86.4	57.0	55.6	0	45	34
Pioneer variety 25R56	88.5	90.6	56.2	55.1	0	39	37
ARMOR ARX 1204	88.3		57.3		0	42	39
SS 8350	88.1		55.9		0	40	36
Delta Grow 7200	88.1		58.5		0	39	36
SC 1342	87.8		57.5		0	42	37
AgriMAXX 447	87.7		58.2		0	42	38
STEYER HUNKER	87.6		57.6		0	42	37
Dyna-Gro 9223	87.4		58.1		0	42	37
KY03C-1237-39	87.3		57.3		0	38	33
Delta Grow 9700	87.3		57.6		0	42	37
SYNGENTA W1104	86.9	88.8	57.8	55.4	0	40	38
PROGENY P 357	86.8	90.4	55.7	54.0	0	41	38
Truman	86.7	83.6	60.3	58.2	0	46	40
KY03C-1237-12	86.6		57.9		0	37	35
PROGENY P 308	86.4		58.4		0	40	36
KAS S1100	86.1		56.8		0	40	32
Terral TV8525	86.0	88.4	58.5	56.6	0	39	36
BECK 120	85.8		55.0		0	38	35
USG 3438	85.7		55.1		0	38	35
KY03C-1237-10	85.7		56.8		0	38	33
SYNGENTA SY 007	85.7		58.0		0	41	32
KY03C-1237-05	85.7		59.9		0	40	39
KY03C-1237-07	85.7		59.3		0	37	34

Table 10. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Equity Brand Sienna	85.3	85.3	57.8	56.3	0	46	37
Equity Brand Edge	85.0		59.6		0	45	38
Pioneer variety 25R32	84.8	88.9	60.2	57.3	0	42	38
PROGENY PGX 12-10	84.8		54.7		0	39	35
Pioneer variety 26R10	84.5	90.1	57.9	56.0	0	39	37
STEYER HEILMAN	84.5		57.0		0	45	37
BECK 113	84.4	87.1	59.5	56.8	1	40	35
ARMOR RAMPAGE	84.3		56.8		0	39	32
Pembroke 2008	84.2	87.0	57.5	56.5	0	39	32
PROGENY P 117	83.9	88.1	56.9	56.2	0	41	29
AgriMAXX 422	83.9		58.1		0	41	34
Bess	83.7	86.2	58.9	57.7	0	42	33
STEYER DOWELL	83.2		55.8		0	40	32
KY03C-1237-28	83.2		61.1		0	41	36
Pioneer variety XW11G	83.0		57.7		0	40	37
SYNGENTA OAKES	82.9	87.1	59.6	58.1	0	40	33
Pioneer variety 26R53	82.9		58.3		0	37	36
AgriMAXX 413	82.5	87.5	54.9	53.9	0	38	36
USG 3612	82.4		56.3		0	40	32
Terral TV8535	82.2	87.8	55.4	54.4	0	37	36
Equity Brand Quest	81.8	83.3	56.4	54.8	0	43	40
Delta Grow 7500	81.3	85.4	57.1	55.4	0	39	37
Pioneer variety 25R40	81.0		58.0		0	37	38
SC 1341	80.8	85.4	56.1	54.6	0	38	40
KY04C-3006-33-14-3	80.7		59.9		0	42	33
USG 3251	80.3	86.0	56.1	55.2	0	42	38
Pioneer variety 26R41	79.7		54.9		0	39	37
BECK 135	78.8	88.6	56.1	55.4	0	42	38
PROGENY P 125	77.9	78.1	54.0	53.4	0	35	29
KAS S1000	77.6		58.2		0	43	38
ARMOR ARX 1206	77.4		53.2		0	38	34
Dyna-Gro 9042	77.1	83.6	55.9	55.1	0	38	37
SYNGENTA SY 483	76.7		55.5		0	41	37
Terral TV8861	76.2	86.7	56.4	55.4	0	39	38
SS 8700	74.4	80.1	53.8	53.7	0	43	39
KAS ELLERY	74.1		56.8		0	40	39
SS 8500	72.1	76.7	54.0	53.0	0	42	36
Clark	71.2	74.7	58.0	56.3	0	45	35
SS 8404	70.8	79.6	56.9	56.3	0	34	32
Pioneer variety 26R20	70.7	75.2	54.1	53.8	0	41	39
KY03C-1237-11	70.0		57.1		0	41	39
Pioneer variety 26R22	69.0	79.2	55.4	54.6	0	41	36
Pioneer variety 25R78	68.9	80.8	54.0	54.2	0	40	34
SS 8412	67.6		53.3		0	35	31
SYNGENTA SY HARRISON	67.5		54.2		0	38	37
SYNGENTA SY 9978	62.0	71.0	50.6	51.9	0	42	37
AVERAGE	84.6	86.7	57.4	55.8	0	40	36
C.V.	7.7	6.6					
LSD (0.10)	10.8	6.6					

Location: Logan Co.
Planting date: 10-16-12; conventional tillage
Harvest date: 6-20-13

Table 11. 2013 Kentucky Wheat Test - Southern Tier Region B.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
KY03C-1002-02	110.3		56.6		14	37	35
Pioneer variety 25R40	109.2		59.2		0	36	37
SC 1342	108.2		58.8		0	40	38
Delta Grow 9700	105.2		57.8		14	40	38
Delta Grow 7300	105.2		55.6		4	38	39
Pembroke 2008	104.9	102.6	58.9	59.4	5	39	36
BECK 113	104.7	101.4	60.6	59.3	18	38	36
Pioneer variety 26R22	104.2	101.1	57.2	57.3	6	41	36
Dyna-Gro 9223	103.7		58.8		3	40	38
KY03C-1237-05	103.6		60.9		1	38	40
PROGENY PGX 12-10	103.5		53.8		25	38	36
BECK 129	103.4		58.8		16	41	39
Pioneer variety 26R10	103.1	106.0	58.3	58.3	3	38	38
STEYER HUNKER	102.8		59.0		5	39	38
Pioneer variety 25R56	102.1	99.2	56.4	56.3	48	39	39
Dyna-Gro 9042	101.7	105.8	58.5	58.4	0	37	38
Terral TV8848	100.9	102.0	58.5	58.6	14	38	38
SC 1321	100.5	100.8	55.1	56.5	3	37	36
ARMOR ARX 1206	100.3		54.9		10	37	36
ARMOR ARX 1270	100.0		60.1		3	41	37
SS 8350	99.8		56.5		4	39	38
STEYER PIERSON	99.8		59.9		0	41	36
KY03C-1237-10	99.8		56.7		3	37	35
ARMOR ARX 1107	99.8		56.5		0	37	37
AgriMAXX 413	99.6	101.5	55.1	56.3	0	37	36
KAS S1200	99.4	102.8	55.6	56.5	0	37	37
AgriMAXX 415	99.4	99.3	60.0	60.1	3	38	37
ARMOR ARX 1204	99.3		59.3		0	40	40
SYNGENTA SY 1526	99.2	100.2	58.8	58.2	14	41	37
PROGENY P 357	99.0	99.6	55.7	55.8	1	37	39
Pioneer variety 25R78	98.8	97.4	57.0	57.6	0	37	36
Pioneer variety 26R20	98.8	96.0	58.4	57.9	18	40	39
SYNGENTA OAKES	98.8	97.7	58.5	58.7	14	38	37
AgriMAXX 447	98.4		58.8		9	39	39
Dyna-Gro 9343	97.9		59.3		19	41	37
KY03C-1237-12	97.8		58.2		3	35	36
USG 3993	97.6		59.0		11	41	37
LCS 34969	97.5		58.8		3	42	37
LCS 38686	97.4		59.4		6	39	37
PROGENY P 125	97.1	94.0	52.8	54.3	6	34	34
VA 09W-73	97.1		57.8		5	38	36
STEYER DOWELL	97.0		56.8		9	38	36
SYNGENTA SY 483	97.0		57.5		40	39	39
Dyna-Gro Dinah	96.9	95.9	60.1	60.3	19	40	37
SS 8412	96.9		57.8		8	35	35
USG 3251	96.6	100.9	57.9	58.5	18	41	39
SS 8700	96.4	99.4	57.8	58.7	4	40	39
BECK 120	96.2		54.8		3	37	36
SS 8340	96.1	96.8	60.0	60.4	3	38	38
KY03C-1237-39	95.9		57.5		8	38	35
Equity Brand EXP 101	95.9		59.4		4	40	37
SS 8500	95.9	97.6	55.4	56.6	10	43	37
Pioneer variety 26R41	95.8		58.4		4	36	38
Dyna-Gro 9012	95.8	99.3	59.8	59.8	0	37	37

Table 11. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Terral TV8535	95.6	101.1	55.3	56.4	0	37	36
Pioneer variety 26R53	95.0		58.2		3	36	37
KAS S1100	94.5		55.5		28	39	36
PROGENY PGX 12-3	94.4		57.3		1	37	39
PROGENY P 870	94.4	97.4	55.6	56.4	1	37	37
KY03C-1237-32	94.3	98.5	58.6	59.2	0	35	35
SC 1341	94.2	95.2	56.7	56.9	1	36	41
ARMOR RAMPAGE	94.2		55.8		15	39	35
ARMOR ROCKET	94.2		59.1		33	43	35
Equity Brand Sienna	94.1	96.9	56.3	57.5	10	43	38
KY03C-1237-11	93.9		60.8		0	38	40
Equity Brand Quest	93.4	100.4	57.1	57.7	0	40	40
KY03C-1237-07	93.4		58.1		5	36	36
Dyna-Gro 9171	93.4	97.9	55.2	56.6	0	36	36
KAS 5058	93.3	93.6	58.8	59.8	28	41	37
Delta Grow 7500	92.9	97.8	58.1	57.7	5	37	37
STEYER HEILMAN	92.8		57.3		7	44	39
USG 3438	92.8		55.0		0	36	36
AgriMAXX EXP 1335	92.5		57.3		30	38	38
PROGENY P 308	92.1		58.7		13	38	37
Pioneer variety XW11G	91.9		58.3		8	38	39
SC 1302	91.8		59.1		30	41	35
Delta Grow 7200	91.6		57.6		15	38	37
BECK 135	91.4	95.8	57.5	58.2	23	40	38
KAS S1000	90.6		58.4		9	43	39
PROGENY P 117	90.6	96.2	55.2	56.9	35	41	34
PROGENY P 185	90.4	97.6	57.3	58.2	0	42	37
Bess	89.9	91.3	58.3	59.5	24	40	35
Truman	89.6	89.6	59.4	59.8	45	43	42
KAS ELLERY	89.5		58.4		0	39	41
Equity Brand Edge	89.5		58.7		26	42	39
USG 3612	89.3		55.8		15	39	36
Pioneer variety 25R32	88.7	95.1	58.6	59.4	14	38	39
AgriMAXX 422	88.2		56.5		25	41	36
AgriMAXX 412	88.0	95.1	58.3	58.9	26	42	35
SYNGENTA SY 9978	87.9	86.7	53.0	55.2	49	42	36
SYNGENTA SY HARRISON	86.8		56.0		1	37	37
SYNGENTA SY 007	85.2		55.5		10	40	35
KY04C-3006-33-14-3	84.8		60.1		14	41	35
Terral TV8525	83.9	91.6	57.8	57.8	15	38	37
SS 8404	83.3	92.7	55.4	58.1	3	34	35
Clark	81.7	83.9	57.4	57.7	9	45	35
KY03C-1237-28	81.0		59.4		18	40	37
Terral TV8861	79.4	90.3	56.9	57.4	25	37	39
SYNGENTA W1104	79.3	90.5	52.2	55.3	40	38	40
AVERAGE	95.6	97.2	57.5	57.9	11	39	37
C.V.	6.4	6.4					
LSD (0.10)	10.2	7.2					

Location: Trigg Co.
Planting date: 10-25-12; conventional tillage
Harvest date: 6-21-13

Table 12. 2013 Kentucky Wheat Test - North Central Region.

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
STEYER HEILMAN	110.8		58.2		3	42	42
ARMOR ARX 1204	108.6		56.7		6	39	43
AgriMAXX 447	106.9		58.3		5	39	44
STEYER PIERSON	105.5		60.0		4	42	40
Equity Brand Sienna	105.5	91.9	57.7	57.2	11	43	43
KAS ELLERY	103.0		58.8		0	38	44
BECK 113	99.9	89.1	58.2	57.7	13	37	39
KY03C-1237-05	99.7		56.6		13	37	44
KAS S1200	99.0	87.5	53.7	53.2	0	35	38
Dyna-Gro 9042	98.7	87.1	56.8	57.1	5	36	39
USG 3993	98.6		59.0		3	41	41
SC 1302	98.4		59.5		11	38	37
ARMOR ARX 1270	97.8		59.3		6	42	41
SC 1321	97.6	84.5	55.2	53.7	1	35	39
SC 1341	97.3	89.4	55.4	55.4	6	35	43
SYNGENTA SY 1526	97.2	86.1	56.9	56.6	10	41	38
Pioneer variety 25R32	97.0	86.3	58.1	58.0	6	38	43
SYNGENTA SY 007	96.8		57.0		1	38	36
AgriMAXX 415	96.5	82.6	58.5	57.2	10	37	37
PROGENY P 185	95.9	81.8	56.2	56.2	0	41	39
LCS 34969	95.9		54.9		0	40	39
Equity Brand Quest	95.9	89.0	58.1	57.2	3	39	45
KY03C-1002-02	95.7		56.8		9	34	38
Equity Brand EXP 101	95.5		58.5		16	41	41
SC 1342	95.2		55.7		4	39	41
BECK 120	94.8		53.2		0	36	40
Equity Brand Edge	94.3		57.7		16	40	44
KY03C-1237-11	94.0		56.8		4	37	44
PROGENY P 870	93.6	82.7	53.4	53.3	0	36	39
Dyna-Gro 9012	92.8	83.9	57.8	57.7	5	37	39
AgriMAXX 412	92.8	86.0	57.2	57.6	21	36	37
Dyna-Gro 9171	92.7	85.1	53.7	54.3	1	36	39
Pioneer variety 26R10	92.7	83.1	55.2	54.9	0	37	41
Truman	92.6	81.5	58.9	58.5	21	41	47
Dyna-Gro 9343	92.5		56.5		15	40	41
Dyna-Gro 9223	91.8		54.5		26	38	42
AgriMAXX 413	91.8	84.1	52.9	53.5	15	36	39
KAS S1000	91.6		57.1		24	42	42
STEYER DOWELL	90.9		54.5		16	38	39
KY03C-1237-07	90.8		57.5		0	34	38
STEYER HUNKER	90.8		55.6		3	40	42
Pioneer variety 25R40	90.7		54.1		9	35	41
ARMOR ROCKET	90.4		58.0		19	37	38
LCS 38686	90.3		57.8		13	37	39
ARMOR RAMPAGE	90.0		55.0		5	38	38
KY03C-1237-12	89.7		56.6		5	33	40
KY03C-1237-39	89.2		55.7		8	34	37
KY03C-1237-10	89.2		56.6		4	35	39
Bess	89.2	79.7	59.6	58.8	15	39	39
SS 8340	88.7	82.9	58.4	58.0	0	37	41
Pioneer variety 25R78	88.2	77.8	52.3	53.0	0	37	38
AgriMAXX EXP 1335	88.1		55.2		18	37	41
Delta Grow 9700	87.9		54.4		18	39	41

Table 12. (continued)

VARIETY	Yield (bu/ac)		Test Wt. (lb/bu)		Lodging (%)	Height (in)	Heading Date > April 1
	2013	2011/13	2013	2011/13	2013	2013	2013
Terral TV8535	87.6	80.4	54.4	53.7	0	35	39
AgriMAXX 422	87.5		56.6		20	37	39
USG 3438	87.4		53.1		0	36	40
USG 3612	87.1		54.7		5	37	39
KAS S1100	86.9		53.8		21	38	39
PROGENY PGX 12-3	86.7		54.3		11	36	42
Delta Grow 7200	86.5		56.7		9	36	41
SYNGENTA OAKES	86.4	75.1	56.0	56.7	15	38	41
SYNGENTA SY HARRISON	86.4		53.4		0	37	42
VA 09W-73	86.3		55.4		4	36	40
KY03C-1237-32	86.2	80.9	57.6	57.4	6	33	37
Pioneer variety 26R53	86.2		57.2		11	35	40
SS 8700	86.1	83.3	51.2	54.0	9	39	43
BECK 129	86.0		54.5		25	40	42
ARMOR ARX 1107	85.9		53.3		0	36	40
USG 3251	85.6	82.3	53.9	55.7	11	40	42
Terral TV8861	84.4	79.5	54.0	55.4	5	37	41
Pioneer variety 25R56	84.1	78.6	51.2	53.3	18	37	40
SYNGENTA SY 483	83.4		54.1		24	38	41
KAS 5058	83.1	80.9	58.8	58.9	9	38	40
Dyna-Gro Dinah	82.7	79.2	58.6	59.2	13	39	39
PROGENY P 308	82.1		54.9		0	38	40
BECK 135	82.0	83.5	54.5	55.9	0	39	41
SYNGENTA W1104	81.4	78.8	52.4	53.6	28	38	41
SS 8350	81.3		50.8		9	37	42
Pioneer variety 26R22	80.9	76.4	52.5	54.1	9	40	38
PROGENY P 125	80.1	75.9	56.4	55.8	8	36	36
Pioneer variety 26R41	79.5		53.4		15	36	40
Delta Grow 7500	79.1	77.0	53.3	53.3	10	36	42
PROGENY P 357	78.9	77.3	50.2	52.0	14	39	40
PROGENY PGX 12-10	78.7		49.3		11	36	38
Pembroke 2008	78.0	75.8	55.8	56.1	10	39	39
SS 8412	77.6		54.1		0	34	41
Delta Grow 7300	76.4		49.4		14	37	42
Terral TV8525	76.0	75.5	55.4	56.1	1	37	38
Pioneer variety XW11G	75.7		51.5		10	38	39
PROGENY P 117	75.2	73.3	55.2	55.8	28	40	38
ARMOR ARX 1206	75.1		51.6		0	37	40
Terral TV8848	71.2	76.7	51.8	54.1	48	37	41
KY04C-3006-33-14-3	69.7		56.4		9	38	40
SS 8500	67.9	67.6	50.1	53.1	6	41	40
Pioneer variety 26R20	64.4	62.4	47.1	49.9	3	37	42
KY03C-1237-28	63.9		56.5		21	35	38
Clark	62.3	61.4	54.7	54.7	28	43	38
SS 8404	61.3	62.1	49.4	53.0	0	33	42
SYNGENTA SY 9978	58.7	60.0	45.9	49.4	9	40	41
AVERAGE	87.9	79.7	55.2	55.3	9	38	40
C.V.	7.5	7.3					
LSD (0.10)	10.9	7.1					

Location: Nelson Co.; 2011 - Hardin Co.
Planting date: 10-19-12; no-till
Harvest date: 6-28-13

Table 13. 2013 Kentucky Barley Variety Test.

VARIETY	Yield (bu/ac)*	Test Wt. (lb/bu)	Lodging (%)	Height (in)	Heading Date > April 1
	2013	2013	2013	2013	2013
PST WB 8	133.6	45.7	5	36	33
Thoroughbred	130.4	45.2	7	38	32
PST WB 7	123.7	45.2	6	33	32
PST WB 6	123.5	44.9	0	37	33
Callao	117.2	45.1	13	30	24
Price	113.4	46.5	0	32	22
Barsoy	109.1	43.6	22	36	25
Atlantic	108.7	45.2	0	30	29
Novosadski 183	108.6	47.1	3	36	29
Novosadski 293	102.1	46.6	8	38	29
Nomini	93.1	43.3	3	38	23
AVERAGE	114.9	45.3	6	35	28

Location: Caldwell County, (Princeton)

Planting date: 10-15-12; no-till

Harvest date: 6-11-13

* 48-lb standard bushel weight.

Table 14. 2013 Kentucky Hulless Barley Variety Test.

VARIETY	Yield (bu/ac)*	Test Wt. (lb/bu)	Lodging (%)	Height (in)	Heading Date > April 1
	2013	2013	2013	2013	2013
VA08H-65	82.3	57.2	0	37	29
VA11H-83	82.2	56.6	0	33	34
VA10H-34	75.4	54.6	10	37	29
Eve	73.1	52.4	0	34	25
VA10H-29	72.7	56.1	0	36	26
Dan	72.6	55.8	0	34	25
VA06H-79	72.3	52.6	35	39	34
Doyce	70.9	52.1	0	35	24
VA10H-57	70.0	56.8	0	36	30
AVERAGE	74.6	54.9	5	35	28

Location: Caldwell County, (Princeton)

Planting date: 10-15-12; no-till

Harvest date: 6-11-13

* 60-lb standard bushel weight.

Table 15. 2013 Kentucky Oat Variety Test.

VARIETY	Grain Yield (bu/ac)*	Forage Yield DM (tons/ac)	Straw Yield DM (tons/ac)	Test Wt. (lb/bu)	Lodging (%)	Winter Survival (%)	Height (in)	Heading Date > May 1
Gerard 229	148.1	4.29	1.25	35.6	50	100	39	19
LA99016	146.9	4.61	1.94	33.8	15	100	49	16
Gerard 224	142.9	3.54	1.57	35.0	68	100	42	17
LA05006	136.9	4.21	2.50	35.4	13	100	44	19
Rodgers	133.5	3.78	1.76	33.0	43	83	43	17
SS 76-40	130.9	3.70	2.14	34.4	8	100	39	18
SS 76-50	129.4	3.10	1.56	33.5	15	53	37	18
SS 76-30	118.6	2.73	1.73	33.2	40	93	43	17
Brooks	112.0	3.83	1.74	32.0	38	90	42	19
NC10-5069	108.8	3.52	1.57	31.8	73	60	36	20
NC09-4503N (naked)	97.5	3.87	1.44	39.5	48	97	43	16
NC10-5051	88.5	2.10	2.05	34.8	75	100	43	19
FL02011 (naked)	40.3	1.29	1.50	.	0	23	35	20
AVERAGE	118.0	3.43	1.75	34.3	37	85	41	18

Location: Bluegrass Region - Fayette Co.; conventional tillage

Planting date: 10-16-12; DM = dry matter yield @ milk stage

Forage harvest date: 5-30-13

Grain and straw harvest date: 6/26/13

* 32-lb standard bushel weight.

Table 16. 2013 Kentucky Wheat Disease Ratings.

VARIETY	Leaf Blotch	Head Scab	Powdery Mildew
AgriMAXX 412	4.0	4.6	1.0
AgriMAXX 413	5.0	5.3	1.0
AgriMAXX 415	3.5	5.0	2.0
AgriMAXX 422	5.8	4.2	4.0
AgriMAXX 447	3.3	3.8	6.5
AgriMAXX EXP 1335	4.0	3.9	1.0
ARMOR ARX 1107	5.0	5.7	1.0
ARMOR ARX 1204	3.3	3.8	5.5
ARMOR ARX 1206	2.8	6.8	1.0
ARMOR ARX 1270	4.3	3.8	4.0
ARMOR RAMPAGE	5.5	5.7	1.5
ARMOR ROCKET	3.5	4.6	1.5
BECK 113	4.8	4.9	1.0
BECK 120	5.3	5.9	1.8
BECK 129	4.0	5.1	1.0
BECK 135	3.8	5.5	1.5
Bess	5.8	4.0	1.3
Clark	5.5	5.7	4.0
Delta Grow 7200	5.0	4.3	2.0
Delta Grow 7300	4.0	5.2	3.0
Delta Grow 7500	5.0	5.4	1.5
Delta Grow 9700	4.0	5.2	1.0
Dyna-Gro 9012	3.5	4.5	1.3
Dyna-Gro 9042	6.8	5.2	1.5
Dyna-Gro 9171	4.0	5.1	2.3
Dyna-Gro 9223	4.3	5.0	2.5
Dyna-Gro 9343	3.8	3.8	3.5
Dyna-Gro Dinah	3.3	4.6	3.0
Equity Brand Edge	2.8	4.5	2.0
Equity Brand EXP 101	4.0	3.6	4.5
Equity Brand Quest	4.3	3.4	1.3
Equity Brand Sienna	3.5	4.8	1.0
KAS 5058	3.3	4.9	1.3
KAS ELLERY	4.0	3.2	1.0
KAS S1000	3.8	4.0	2.0
KAS S1100	5.5	5.7	1.5
KAS S1200	4.5	5.4	1.3
KY03C-1002-02	4.8	4.2	1.0
KY03C-1237-05	5.0	2.9	1.5
KY03C-1237-07	5.8	4.4	1.0
KY03C-1237-10	5.8	6.2	1.5
KY03C-1237-11	4.8	4.4	1.3
KY03C-1237-12	6.3	4.0	1.0
KY03C-1237-28	3.3	3.7	4.0
KY03C-1237-32	5.3	5.5	1.0
KY03C-1237-39	5.3	6.4	3.5
KY04C-3006-33-14-3	4.5	5.8	1.0
LCS 34969	4.5	5.9	1.0
LCS 38686	3.8	4.2	2.0
Pembroke 2008	7.0	5.8	1.5
Pioneer variety 25R32	3.5	2.6	1.0
Pioneer variety 25R40	5.0	5.6	1.0
Pioneer variety 25R56	3.8	4.9	1.3

VARIETY	Leaf Blotch	Head Scab	Powdery Mildew
Pioneer variety 25R78	5.8	6.6	3.5
Pioneer variety 26R10	5.3	5.4	1.3
Pioneer variety 26R20	4.3	6.9	1.0
Pioneer variety 26R22	5.5	6.4	1.8
Pioneer variety 26R41	5.3	6.3	1.0
Pioneer variety 26R53	4.0	5.8	1.0
Pioneer variety XW11G	2.3	6.4	1.0
PROGENY P 117	4.8	5.1	2.0
PROGENY P 125	6.0	6.7	3.0
PROGENY P 185	4.5	5.2	1.8
PROGENY P 308	4.0	5.3	1.0
PROGENY P 357	4.0	5.1	2.0
PROGENY P 870	4.5	5.7	1.3
PROGENY PGX 12-10	4.5	6.0	2.0
PROGENY PGX 12-3	3.3	2.5	1.0
SC 1302	4.8	4.9	1.0
SC 1321	4.8	5.1	1.3
SC 1341	3.8	3.7	5.5
SC 1342	4.3	4.9	2.0
SS 8340	3.3	4.8	2.5
SS 8350	3.8	5.4	4.5
SS 8404	7.3	7.9	3.0
SS 8412	6.0	7.2	1.0
SS 8500	4.5	6.4	2.3
SS 8700	2.8	4.7	1.0
STEYER DOWELL	5.3	5.7	2.0
STEYER HEILMAN	3.0	4.3	1.0
STEYER HUNKER	4.5	4.8	2.5
STEYER PIERSON	3.3	3.8	1.0
SYNGENTA OAKES	5.3	4.8	2.0
SYNGENTA SY HARRISON	3.8	5.6	2.0
SYNGENTA SY 007	5.8	6.0	1.0
SYNGENTA SY 1526	3.3	4.3	3.0
SYNGENTA SY 483	5.0	5.6	1.0
SYNGENTA SY 9978	4.8	7.6	1.0
SYNGENTA W1104	3.3	4.7	1.0
Terral TV8525	4.3	5.1	1.0
Terral TV8535	4.3	5.3	1.5
Terral TV8848	3.8	5.0	2.8
Terral TV8861	5.0	5.4	1.3
Truman	4.3	2.7	1.0
USG 3251	4.0	5.2	1.0
USG 3438	5.0	6.2	1.8
USG 3612	6.0	5.9	1.0
USG 3993	3.8	3.5	3.0
VA 09W-73	5.0	6.2	1.0
AVERAGE	4.5	5.0	1.9

Disease rating scale: 1 = resistant; 9 = susceptible
 Powdery mildew rated at Lexington, KY (disease present at low levels).
 Leaf blotch rated at Logan Co.; head scab at Logan Co. and Lexington.
 Leaf blotch complex - ~ 60% Stagonospora nodorum and 40% Septoria tritici.

NOTES



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