

2006 Kentucky Small Grain VARIETY PERFORMANCE TEST

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www.uky.edu/ag/WheatVarietyTest

The 2006 wheat growing season ended with Kentucky farmers harvesting 310,000 acres of soft red winter wheat and a total production of 21,080,000 bushels of grain. An average yield of 68 bushels per acre was recorded, which tied last years' state record (Table 1).

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 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, eight tests (five conventional tillage and three no-till) were grown at seven locations throughout the state (Table 2). Additionally, tests for varietal differences in forage potential and straw yields were conducted at one location.

Experimental Methods

Seventy-two 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 five 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 multirow 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 10 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.

Table 1. Wheat harvested (1,000 acres) and yields (bu/acre) in Kentucky, 2004-2006.*

2006		2005		2004	
Harvested	Yield	Harvested	Yield	Harvested	Yield
310	68	300	68	370	55

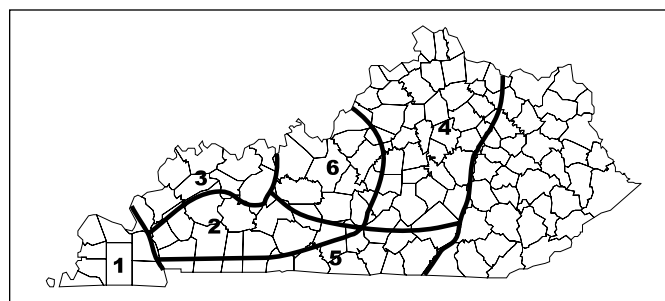
*July 1, 2006, National Agricultural Statistics Service

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 lbs/A (conventional tests) or 35/70 lbs/A (no-till).

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

Region	Location	Cooperator	Crop Tested
1. Purchase	Calloway Co.	Marty Carraway	No-till Wheat
2. Western Coal Field	Caldwell Co.	Princeton Research and Education Ctr.	Wheat*, No-till Wheat, Barley
3. Ohio Valley	Webster Co.	Bruce Benson	Wheat*
4. Bluegrass	Fayette Co.	KY Agri. Expt. Station	Wheat*, Forage test
5. Southern Tier	Logan Co. Todd Co.	Don Halcomb Andy Gray	Wheat*, Barley Wheat*
6. North Central	Shelby Co.	Doug Langley	No-till Wheat

* Conventional tillage



The forage test was planted using conventional tillage and was harvested using a small plot forage combine at the beginning of the heading stage. Dry matter forage yield and crude protein content were determined. Straw yield was recorded using a small plot forage combine following grain harvest at 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 a 60-lb standard bushel weight at 13.5% moisture content. Test weights (pounds per bushel) were determined using standard test weight equipment. Lodging and winter survival were reported as the percentage of plant lodging at maturity or survival after spring green-up, respectively. 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% of the heads had extended above the flag leaf collar. Disease ratings (wheat streak mosaic virus, leaf rust, powdery mildew) were recorded from two conventional nonfungicide tests (Fayette and Caldwell counties), and head scab ratings were recorded at the Fayette and Caldwell county Fusarium head blight nurseries. 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 three-year average of another variety because it is possible that results in one of the other years were extremely good or poor and, thus, not comparable.

The yield of a variety is relative and should be compared with the yields of the other varieties in the same experiment and at the same location or within the same analysis across locations. Small differences in yield of only a few bushels per acre between two varieties from an individual test should not be interpreted to indicate the superiority of one variety over another. However, if one variety consistently out yields another over a period of several years, the chances are that the differences are real. LSD (least significant difference) values are listed at the bottom of table columns to indicate whether differences are statistically significant. Bolded values in the overall summary table indicate no significant difference ($p=0.05$) from the top-yielding variety within each column.

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% lodged does not imply that only 50% of the grain could be harvested. With good equip-

ment, almost all of the grain can often be saved. In 2006, lodging was atypical and occurred primarily at the beginning of heading as a result of weakened stems associated with cold damage. Warm statewide temperatures in January, followed by a severe cold snap in February, is believed to have weakened stems at most locations. Some varieties were more affected and yields were reduced as a result of lodging before grain filling.

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 barleys are 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 (commercial varieties and experimental hullless lines) performance data are presented in Tables 17 and 18.

2006 Test Conditions

Dry, warm weather during October facilitated timely planting of Kentucky's 2006 wheat crop. Drought-like conditions, which carried through late November, resulted in uneven emergence in some areas of the state. The 2006 small grain variety tests were planted between the 5th and 31st of October. Mild temperatures during January stimulated early growth and development. Single-digit temperatures during the third week of February appeared to have caused some cold damage, which weakened stems and resulted in sporadic premature lodging throughout the state. Overall, insect and disease pressure were low, although powdery mildew was observed throughout the state. Cool temperatures during May with moderate rainfall provided good conditions for grain fill. Dry conditions during early June favored timely harvest and good grain quality.

Acknowledgments

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Wheat Varieties Tested in 2006

Adler Seeds

6085 W. 550 N
Sharpsville, IN 46068

Adler 545
Adler 575
Adler 625

Agripro COKER

Syngenta Seeds
778 CR 680
Bay, AR 72411

Agripro COKER Branson
Agripro COKER Cooper
Agripro COKER COKER 9511
Agripro COKER COKER 9553

Beck's Hybrids

6767 E. 276th
Atlanta, IN 46031

Beck 117
Beck 122

Croplan Genetics / Land O' Lakes, Inc.

298 Taylor Rd.
Clinton, KY 42031

Croplan Genetics 8301

Delta Grow Seed

220 NW 2nd
England, AR 72046

Delta Grow 1600
Delta Grow 4100

Delta King

PO Box 970
McCory, AR 72101

Delta King 7710
Delta King 7830
Delta King 9410
Delta King 9577

Ebberts Field Seeds

6840 N. St. Rt. 48
Covington, OH 45318

Ebberts 501
Ebberts 518

Excel Seed

257 E. Hail St.
Bushnell, IL 61422

Excel 173
Excel 211
Excel 212
Excel 307
Excel 361
Excel 392
Excel 399
Excel 410tw

Foundation Seed Project

University of Kentucky
PO Box 11950
Lexington, KY 40579

Cumberland
KY93C-0004-22-1
KY93C-0378-5-2
KY93C-1238-17-1
KY93C-1238-17-2
KY93C-1238-17-5
KY94C-0094-11-2
KY96C-0770-3
KY96C-0772-6-2
KY96C-0786-3-2
KY97C-0232-2-2

JGL, Inc.

3540 S. US 231
Greencastle, IN 46135

JGL EXP 603
JGL EXP 604

MD Crop Improvement

28564 Gilnock Rd.
Easton, MD 21601

UMD Choptank
UMD MV5-46

Miles Seed

Miles Farm Supply
PO Box 22879
Owensboro, KY 42304

Exsegen Rachel
Exsegen Judith
Exsegen Leah
Exsegen Lydia

Ohio Seed Improvement Assoc.

6150 Avery Rd. Box 477
Dublin, OH 43017

Bravo

Pioneer Hi-Bred Intl.

7501 S. Memorial Pkwy, 205
Huntsville, AL 35802

Pioneer Brand 25R37
Pioneer Brand 25R54
Pioneer Brand 26R15
Pioneer Brand 26R22
Pioneer Brand XW04C

Royster-Clark, Inc.

717 Robinson Rd. SE
Washington C.H., OH 43160

Vigoro V9410
Vigoro V9412
Vigoro WX8501

Southern States Coop.

PO Box 26234
Richmond, VA 23260

SS 520
SS 560
SS 8302
SS 8309
SS 8404
SS MPV-57

Steyer Seeds

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

Alma
McLane
Merrell
Morrall

UniSouth Genetics

2640-C Nolensville Rd.
Nashville, TN 37211

USG 3209
USG 3910
USG 3350
USG 3244
USG 3665

Virginia Tech

PO Box 338
Warsaw, VA 22572

IMI 95047-6-3-18
IMI 95053-1A-11-6
All Barley lines/varieties

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Table 3. 2006 Kentucky Wheat Test—Overall Statewide Summary.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)	Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06				
AgriPro COKER Branson	102.7	98.2		58.3	7	34	24
Pioneer variety 25R37	101.5	91.9	88	59.7	3	35	26
Steyer Alma	100.8	95.6		58.7	9	34	27
SS MPV-57	100.8	97	91.3	58.2	13	36	27
KY93C-1238-17-2	100.1	95.5	89.7	59.5	2	38	26
SS 560	99.4	94.1	85.4	57.5	7	34	27
Pioneer variety 26R22	99.1			58.1	9	36	26
KY96C-0786-3-2	99.1			59.6	4	35	26
Pioneer variety 26R15	99	90.7	87	58.2	7	35	26
IMI 95047-6-3-18	98.2			56.6	13	35	26
KY93C-1238-17-1	98.1	94.7	90.2	59.7	9	37	26
AgriPro COKER Cooper	97.9	93.8	90.2	58.4	12	34	27
KY97C-0232-2-2	97.9	92.3		58.7	5	34	26
Beck 122	97.9			57.7	9	38	25
Steyer Morral	97.9			59.2	15	33	26
Ebberts 518	97.1			58.2	6	35	27
Ebberts 501	96.5			60.1	2	36	25
Steyer Merrell	96.5	93.4		57.3	6	35	27
Adler 575	96.3			57.9	4	34	26
SS 8302	95.9	93.1	89.4	58.1	6	35	27
Pioneer variety 25R54	95.7	91.6	86.9	58	13	36	26
Vigoro WX8501	95.5			58	3	34	26
Delta King 9577	95.4	93.2		56.9	11	35	27
SS 8309	95.2	90.5	88.1	58.9	0	35	26
USG 3665	94.9			58.2	9	35	27
SS 520	94.6	91	85.6	57.5	10	35	24
KY93C-0004-22-1	94.6	89.6	85.6	59.4	2	35	26
Delta Grow 1600	94.6			57.3	10	35	27
Croplan Genetics 8301	94.3			60.2	7	35	25
Vigoro V9412	93.8	89.3	87.9	59.9	5	36	25
USG 3350	93.7	91.3	88.7	57.7	4	39	26
USG 3910	93.7	88.2		60.2	2	35	25
Exsegen Judith	93.6	90.6	87.1	59.4	5	39	27
KY93C-0378-5-2	93.2	89.4	85.5	59.2	5	34	27
USG 3244	92.8			57.6	5	38	27
KY93C-1238-17-5	92.4	92	87.7	59.8	14	36	25
Adler 625	92			57.5	3	38	27
Delta King 7710	91.7	88.2	84	59.2	7	39	27
Pioneer variety XW04C	91.6			61	8	32	25
UMD MV5-46	91.5	89.1	84.9	59.7	15	32	25
AgriPro COKER COKER 9511	91.4	89.1		60.4	12	36	24
Exsegen Lydia	91.4			58	23	33	26
KY96C-0772-6-2	91.4			59.5	10	35	27
Beck 117	90.7	89.2		59.9	10	35	25
KY96C-0770-3	90.4			57.1	18	32	26
JGL EXP 604	90.3			57.1	3	37	27
EXCEL 392	90.1			58.1	14	39	29
EXCEL 307	89.8	89	86.6	57	6	39	26
EXCEL 399	88.8	87.3		56.8	14	39	27
AgriPro COKER COKER 9553	88.8			59.9	11	35	24
Cumberland	88.7		84.3	57.7	7	34	25
EXCEL 410tw	88.6			57.9	5	38	27
UMD Choptank	88.5	85.5	80.6	58.9	13	29	24
Exsegen Leah	88.4	85.4		57.8	11	32	27
Bravo	88.1			59.7	12	38	26
Delta King 9410	88	87.8	86.2	56.4	6	39	26
Steyer McLane	88			58	16	39	29
Exsegen Rachel	87.9	84.9		58.4	17	33	25
Delta Grow 4100	87.7			57.3	5	38	27
EXCEL 212	87.3			58.5	13	40	26
SS 8404	85.9	86.5		59.8	3	30	27
IMI 95053-1A-11-6	85.3			55.8	21	36	26
JGL EXP 603	84.6			57.4	8	37	26
Vigoro V9410	84.4	85.4	83.8	57.7	8	38	25
EXCEL 361	84.4			60.4	4	39	27
KY94C-0094-11-2	84.3	83.3	79.9	59.2	2	36	29
USG 3209	84.1	88	84.2	56.6	21	31	25
EXCEL 173	83.9			57.1	42	37	25
Adler 545	83.3			58.2	20	38	25
Clark	82	77.4	75.3	58.2	12	36	24
EXCEL 211	80.6	85.3		57.1	29	38	25
Delta King 7830	77.6	81.5	80.4	56.9	25	38	26
AVERAGE	92.1	89.7	85.9	58.4	10	36	26
C.V.	9.1	8.9	9.3				
LSD (0.05)	4.1	2.7	2.2				

* Summary of eight tests—three no-till (Calloway, Caldwell, and Shelby counties), and five conventional (Webster, Caldwell, Logan, Todd, and Fayette counties) tests.

Bolded values indicate no significant difference (LSD, p=0.05) from the top yielding variety in each column.

Table 4. 2006 Kentucky Wheat Disease Ratings.

Variety	Powdery Mildew	Leaf Rust	WSMV	Stripe Rust**	Head Scab*		
					Incidence (%)	Severity (%)	Index (%)
Adler 545	8.0	1.3	3.0		81.0	38.0	30.8
Adler 575	3.3	2.5	1.8		70.7	37.3	26.4
Adler 625	5.5	1.5	3.5		74.0	33.1	24.5
AgriPro COKER Branson	3.0	2.8	3.0	2.9	49.1	19.7	9.7
AgriPro COKER COKER 9511	4.0	1.0	1.8	3.4	54.2	14.4	7.8
AgriPro COKER COKER 9553	2.3	2.5	1.5		50.3	19.9	10.0
AgriPro COKER Cooper	5.0	4.8	2.3	6.0	47.3	28.2	13.3
Beck 117	2.4	1.8	1.0	3.1	76.0	28.2	21.4
Beck 122	3.8	5.8	2.0		53.3	29.9	15.9
Bravo	6.3	7.0	3.0		60.0	26.2	15.7
Clark	5.0	2.8	1.8	7.5	71.9	38.2	27.5
Croplan Genetics 8301	2.5	1.8	2.0		79.5	26.6	21.2
Cumberland	3.2	5.0	1.8		74.4	45.1	33.5
Delta Grow 1600	4.0	1.8	1.5		66.3	30.4	20.1
Delta Grow 4100	6.7	1.5	3.5		58.4	33.0	19.3
Delta King 7710	6.3	1.0	1.3	1.9	57.9	26.4	15.3
Delta King 7830	7.3	1.0	3.0	2.6	84.8	54.5	46.2
Delta King 9410	7.4	1.0	2.8	2.8	83.3	45.0	37.5
Delta King 9577	4.3	2.8	2.3	3.3	72.9	24.4	17.8
Ebberts 501	2.6	1.6	2.0		44.6	19.0	8.5
Ebberts 518	4.0	2.3	2.5		76.4	35.0	26.7
EXCEL 173	5.1	2.0	2.0		45.4	38.4	17.4
EXCEL 211	7.5	1.5	3.0	2.5	61.6	35.5	21.9
EXCEL 212	3.3	3.5	2.3		51.3	25.9	13.3
EXCEL 307	7.3	1.0	3.3	2.3	93.7	39.0	36.5
EXCEL 361	6.5	1.3	2.5		59.4	21.0	12.5
EXCEL 392	2.8	3.5	2.0		77.1	36.1	27.8
EXCEL 399	7.5	1.3	3.5	2.3	75.0	24.6	18.5
EXCEL 410tw	7.5	1.9	2.8		94.5	41.0	38.7
Exsegen Judith	5.5	1.3	1.5	2.0	37.8	18.6	7.0
Exsegen Leah	1.8	1.0	2.5	5.0	60.7	16.7	10.1
Exsegen Lydia	3.0	3.8	1.0		62.1	23.2	14.4
Exsegen Rachel	1.5	6.5	2.0	3.7	39.1	14.5	5.7
IMI 95047-6-3-18	3.9	3.8	1.8		65.0	36.6	23.8
IMI 95053-1A-11-6	2.0	1.5	2.0		74.7	34.2	25.5
JGL EXP 603	6.0	1.3	2.8		67.6	43.9	29.7
JGL EXP 604	5.3	1.5	3.3		61.2	26.4	16.2
KY93C-0004-22-1	3.0	4.6	1.3	3.8	91.7	42.3	38.8
KY93C-0378-5-2	3.3	3.0	1.8	3.5	85.9	33.2	28.5
KY93C-1238-17-1	3.8	1.5	3.0	8.1	96.9	42.1	40.8
KY93C-1238-17-2	4.3	3.0	4.0	8.4	85.5	72.8	62.3
KY93C-1238-17-5	4.3	1.8	3.0	7.7	94.0	44.1	41.5
KY94C-0094-11-2	5.3	1.3	1.8	4.6	58.8	16.8	9.9
KY96C-0770-3	5.0	1.5	2.5		64.8	32.5	21.1
KY96C-0772-6-2	3.3	1.9	1.3		61.3	36.2	22.2
KY96C-0786-3-2	2.8	3.3	2.0		77.0	39.4	30.3
KY97C-0232-2-2	2.4	3.3	1.8	2.1	65.0	19.0	12.4
Pioneer Brand 25R37	3.0	4.3	2.3	2.5	78.5	26.9	21.1
Pioneer Brand 25R54	3.0	2.0	1.5	3.1	95.2	31.8	30.3
Pioneer Brand 26R15	2.8	1.0	2.3	3.8	100.6	44.7	45.0
Pioneer Brand 26R22	4.3	2.8	2.5		95.4	44.8	42.8
Pioneer Brand XW04C	2.4	1.8	1.3		94.8	58.7	55.7
SS 520	1.3	1.8	1.0	7.6	55.5	73.7	40.9
SS 560	3.0	2.3	2.0	4.6	50.6	28.0	14.2
SS 8302	5.5	1.8	1.8	2.2	51.0	18.9	9.6
SS 8309	4.0	1.3	2.5	4.1	32.0	12.4	4.0
SS 8404	6.5	1.5	2.0	7.1	57.4	34.2	19.7
SS MPV-57	3.0	3.6	1.0	5.9	62.5	26.8	16.7
Steyer Alma	5.5	5.0	2.3	5.6	74.0	42.4	31.4
Steyer McLane	3.5	4.3	2.3		54.3	22.4	12.1
Steyer Merrell	3.5	3.3	2.0	2.5	80.5	38.9	31.3
Steyer Morral	3.3	3.8	1.9		68.5	23.8	16.3
UMD Choptank	1.3	2.1	2.5	4.8	96.9	48.9	47.4
UMD MV5-46	1.3	3.5	3.3	8.4	74.6	33.3	24.8
USG 3209	2.8	3.5	2.5	2.9	83.0	62.1	51.5
USG 3244	7.0	1.0	4.0		76.2	22.2	16.9
USG 3350	7.7	1.4	2.8	2.3	65.3	21.6	14.1
USG 3665	4.0	1.8	1.8		81.7	40.6	33.2
USG 3910	3.0	1.8	1.5	5.2	46.1	21.2	9.8
Vigoro V9410	7.2	1.8	3.5	3.0	62.7	28.6	17.9
Vigoro V9412	2.0	1.0	1.5	3.4	45.8	23.1	10.6
Vigoro WX8501	4.0	1.8	1.5		76.8	24.7	18.9
Average	4.2	2.4	2.2	4.4**	68.8	32.8	23.8

Ratings

Wheat streak mosaic virus (WSMV), powdery mildew, and rust: 1=excellent, 9=poor.

Head scab: 0=excellent, 100=poor.

* **Head scab** data collected at Lexington Scab Nursery.* **Vomitoxin** (DON) levels and scabby seed (%) data from nurseries will be posted at www.uky.edu/Ag/WheatVarietyTest when available.** **Stripe rust** data collected in 2005.**Powdery mildew** and **leaf rust** data collected at Fayette County test.**WSMV** data collected at Caldwell County test.

Table 5. 2006 Kentucky Wheat Forage Test.*

Variety	DM Yield** At Heading Tons/acre	Crude Protein At Heading (%)	Winter Grazing Productivity Index*** (%)
Pioneer variety 25R37	4.33	14.6	120
Vigoro WX8501	4.27	15.5	141
Clark	4.18	14.1	109
EXCEL 399	4.15	13.8	113
Exsegen Lydia	4.11	14.7	111
SS 520	4.09	15.6	141
SS MPV-57	4.08	15.3	147
KY97C-0232-2-2	4.07	14	123
Adler 575	4.04	14.4	115
USG 3665	4.04	14.7	101
EXCEL 212	4.02	15.3	84
USG 3244	4.00	14.6	117
Pioneer variety 26R22	3.99	14.1	83
KY93C-1238-17-2	3.97	15.1	114
Delta Grow 1600	3.96	15.1	103
Exsegen Rachel	3.95	16.5	115
IMI 95053-1A-11-6	3.95	14.1	136
KY93C-0378-5-2	3.94	14.9	76
KY93C-1238-17-1	3.94	16	106
Pioneer variety 25R54	3.93	14	103
SS 8302	3.91	14.2	115
KY96C-0770-3	3.90	16.3	117
IMI 95047-6-3-18	3.88	15.4	116
KY96C-0772-6-2	3.87	16.8	111
Adler 625	3.86	13.9	80
KY93C-0004-22-1	3.81	15.3	89
Steyer Merrell	3.81	16.2	96
Pioneer variety 26R15	3.80	14.7	95
Adler 545	3.78	13.3	98
Steyer Alma	3.78	14.9	76
Delta Grow 4100	3.76	13.6	87
SS 8309	3.76	15	70
Steyer McLane	3.74	15.6	83
USG 3209	3.73	16	126
EXCEL 173	3.72	15.7	120
Steyer Morral	3.72	16.2	71
Cumberland	3.71	12.4	119
Delta King 9410	3.70	15.1	102
Delta King 9577	3.70	15.6	90
Exsegen Leah	3.69	17.1	133
JGL EXP 604	3.66	15.8	70
KY96C-0786-3-2	3.66	14.4	84
Bravo	3.61	14.1	103
AgriPro COKER Cooper	3.59	14.7	89
AgriPro COKER COKER 9553	3.58	15.4	137
KY93C-1238-17-5	3.55	15.2	67
EXCEL 307	3.55	15.7	96
USG 3910	3.54	14.1	73
Exsegen Judith	3.53	16	106
Ebberts 501	3.53	13.4	63
EXCEL 410tw	3.52	15.2	84
USG 3350	3.41	16.1	86
AgriPro COKER Branson	3.37	15.2	115
JGL EXP 603	3.35	14.8	86
Croplan Genetics 8301	3.34	14.4	100
Delta King 7710	3.34	15.2	83
Ebberts 518	3.34	13.3	64
EXCEL 392	3.33	13.9	70
AgriPro COKER COKER 9511	3.32	15.8	111
Beck 117	3.31	14.1	57
UMD MV5-46	3.31	15.3	93
Vigoro V9412	3.29	15.3	74
Beck 122	3.25	14	72
SS 560	3.23	16.7	127
SS 8404	3.21	15.5	116
Vigoro V9410	3.19	14.2	112
EXCEL 361	3.15	14.1	84
KY94C-0094-11-2	3.13	15.1	80
Delta King 7830	3.10	13.3	104
UMD Choptank	3.06	16.8	94
EXCEL 211	3.05	14.8	94
Pioneer variety XW04C	2.96	14.2	123
AVERAGE	3.66	14.9	100
C.V.	12.23	7.4	18
LSD (0.05)	0.62	1.5	26

Planting date..... 10/5/05, conventional tillage

Harvest date 4/28/06

* Fayette County

** Dry matter yield at beginning of heading stage.

*** Estimate of winter (pre green-up) grazing potential (100=average); data recorded 3/8/06 using plate pasture meter.

Table 6. 2006 Kentucky Wheat Straw Test.*

Variety	DM Yield** Tons/acre	Height (in)
EXCEL 399	2.28	40
Adler 625	2.21	39
Beck 122	2.19	40
KY93C-0378-5-2	2.15	37
Delta King 7710	2.12	40
Exsegen Judith	2.11	40
KY93C-1238-17-1	2.07	39
SS 8302	2.04	38
KY93C-1238-17-2	2.03	41
Delta Grow 4100	2.02	41
Delta King 7830	2.02	40
EXCEL 361	2.00	41
IMI 95047-6-3-18	2.00	40
EXCEL 307	1.96	40
USG 3665	1.95	37
EXCEL 212	1.93	41
Pioneer variety 25R54	1.92	38
Delta King 9577	1.91	37
EXCEL 410tw	1.91	39
KY93C-0004-22-1	1.90	37
KY93C-1238-17-5	1.90	38
Pioneer variety 26R22	1.90	39
Clark	1.89	39
AgriPro COKER Cooper	1.88	36
USG 3350	1.88	41
Pioneer variety 26R15	1.86	37
EXCEL 392	1.85	40
IMI 95053-1A-11-6	1.85	39
USG 3244	1.85	40
AgriPro COKER COKER 9511	1.83	38
Beck 117	1.83	37
Delta King 9410	1.82	40
EXCEL 173	1.82	37
Delta Grow 1600	1.81	38
Exsegen Leah	1.81	34
KY96C-0772-6-2	1.80	37
AgriPro COKER Branson	1.79	36
Bravo	1.79	39
KY97C-0232-2-2	1.77	38
SS MPV-57	1.77	37
Adler 575	1.75	36
JGL EXP 604	1.73	39
KY96C-0786-3-2	1.73	37
Steyer McLane	1.73	39
AgriPro COKER COKER 9553	1.72	38
Exsegen Rachel	1.72	35
Adler 545	1.70	39
Steyer Merrell	1.70	37
Cumberland	1.69	36
Pioneer variety 25R37	1.68	37
SS 560	1.68	36
SS 8309	1.68	38
USG 3910	1.68	36
Vigoro V9410	1.68	40
EXCEL 211	1.67	38
JGL EXP 603	1.67	39
Vigoro WX8501	1.67	37
UMD MV5-46	1.66	34
Steyer Alma	1.63	35
SS 520	1.62	38
Ebberts 501	1.61	38
Exsegen Lydia	1.61	36
KY96C-0770-3	1.59	35
KY94C-0094-11-2	1.56	38
Vigoro V9412	1.56	37
Ebberts 518	1.55	38
SS 8404	1.53	33
Croplan Genetics 8301	1.50	36
Steyer Morral	1.44	34
USG 3209	1.44	33
Pioneer variety XW04C	1.39	32
UMD Choptank	1.39	31
AVERAGE	1.80	38
C.V.	18.30	
LSD (0.05)	0.46	

Planting date..... 10/5/05, conventional tillage
 Straw harvest date 6/30/06

* Fayette County

** Dry matter straw yield following grain harvest.

Table 7. 2006 Kentucky Wheat Test—Conventional Till Summary.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu) 2006	Lodging (%) 2006	Height (In) 2006	Heading Date > April 1 2006
	2006	2005-06	2004-06				
AgriPro COKER Branson	107.9	100.4		58.4	10	34	24
Pioneer variety 25R37	106.1	92.8	90.3	60.4	3	36	26
SS 560	105.2	95.2	88.1	57.1	4	34	26
Steyer Alma	105	97.8		59.2	14	34	26
SS MPV-57	104.8	99.2	95.4	58.7	18	36	26
KY96C-0786-3-2	104.3			60	5	35	26
KY93C-1238-17-2	104.1	95.7	91.9	59.9	3	38	26
Pioneer variety 26R15	102.6	91.2	89.5	58.4	6	36	26
IMI 95047-6-3-18	102.4			56.7	12	36	26
KY97C-0232-2-2	102.3	93.4		59.1	8	35	25
KY93C-1238-17-1	101.9	96.3	92.8	59.9	9	37	25
Adler 575	101.8			58	6	35	25
Steyer Merrell	101.5	95		57.4	9	36	26
Ebberts 518	101.4			58	10	36	26
Steyer Morral	101.1			59.1	19	34	25
Beck 122	101			57.7	10	39	24
Pioneer variety 25R54	100.4	93.2	89.3	57.8	9	36	25
USG 3665	100			58.1	13	36	26
Pioneer variety 26R22	99.7			58.2	11	37	25
Vigoro WX8501	99.3			58.1	3	35	26
AgriPro COKER Cooper	98.9	95.5	92.3	58.3	15	34	26
SS 8309	98.5	91	91.3	58.6	1	36	26
Ebberts 501	98.4			60.5	0	36	25
Delta Grow 1600	98.2			57.4	14	36	26
Delta King 9577	97.9	95.1		56.8	15	35	26
SS 8302	97.3	92.7	91.6	58.5	7	35	26
Croplan Genetics 8301	97.2			60.3	7	36	25
USG 3910	97	87.2		60.1	2	36	25
SS 520	96.8	92	86	57.7	14	36	23
KY93C-0004-22-1	96.7	90.6	89	59.8	4	35	26
Vigoro V9412	96.4	89.3	89.7	59.5	3	36	24
USG 3244	96.4			57.4	5	39	26
USG 3350	96.1	92.3	91.2	57.4	2	40	25
KY93C-0378-5-2	95.8	90.8	89.4	59.4	6	35	26
Pioneer variety XW04C	95.7			61.7	11	32	24
KY93C-1238-17-5	95.2	94.3	91.6	60.3	14	37	25
Exsegen Judith	95	90.8	88.9	59.6	6	40	26
AgriPro COKER COKER 9511	94.9	91.5		60.8	14	37	23
KY96C-0772-6-2	94.3			59.4	13	35	26
Delta King 7710	94	89.6	86.1	59.4	10	40	26
UMD MV5-46	93.6	89.4	87.1	60.4	19	32	24
EXCEL 392	93.6			58.3	18	40	28
Adler 625	93.5			57.2	2	38	26
Exsegen Lydia	93			58.1	26	34	25
UMD Choptank	92.9	86.4	83	58.9	19	29	23
Beck 117	92.6	89.4		60	11	36	25
EXCEL 307	92.2	89.3	89.1	57	5	39	26
AgriPro COKER COKER 9553	92.2			60	17	36	23
Cumberland	91.6		90.2	57.7	8	34	25
Exsegen Leah	91.5	86.4		57.7	11	33	26
JGL EXP 604	91			56.7	4	38	26
EXCEL 399	90.8	85.9		56.5	16	40	26
EXCEL 212	90.3			58.9	15	41	26
Steyer McLane	90.2			58.6	19	39	28
EXCEL 410tw	90			57.7	4	39	26
KY96C-0770-3	89.2			56.4	23	33	25
Exsegen Rachel	89	83.7		58.2	20	34	25
Delta Grow 4100	88.7			57.3	3	39	26
Bravo	88.6			59.9	15	38	25
Delta King 9410	86.7	86.9	87.5	56.2	6	39	25
KY94C-0094-11-2	85.9	82.1	80.4	59	1	37	28
EXCEL 361	85.9			60.5	5	40	26
SS 8404	85.7	85.5		59.6	4	31	26
IMI 95053-1A-11-6	85.5			55.4	26	37	26
Vigoro V9410	85	84.1	84.9	57.1	10	39	24
JGL EXP 603	84.9			57.2	13	38	25
EXCEL 173	82.9			56.7	46	37	24
USG 3209	82.2	86	84.7	56	29	31	24
Adler 545	82.2			57.4	18	38	25
Clark	81.2	76.3	75	58.1	16	37	23
EXCEL 211	78.8	84.4		57	28	38	24
Delta King 7830	77	80.1	81.3	56.6	23	38	25
AVERAGE	94.5	90.2	88.1	58.4	11	36	25
C.V.	9.1	9.4	10				
LSD (0.05)	5.4	3.8	3.2				

* Summary of five conventional tillage tests (Webster, Caldwell, Logan, Todd, and Fayette counties).

Table 8. 2006 Kentucky Wheat Test—No-Till Summary.*

Variety	Yield (Bu/a)			Test Wt.	Lodging	Height	Heading Date
	2006	2005-06	2004-06	(Lb/bu) 2006	(%) 2006	(In) 2006	> April 1 2006
Pioneer variety 26R22	98.1			58	6	35	28
AgriPro COKER Cooper	96.4	91.6	87.3	58.6	8	33	28
SS MPV-57	94.3	93.5	85.6	57.4	4	36	29
AgriPro COKER Branson	94.1	94.2		58.2	2	33	26
Pioneer variety 25R37	93.9	89.7	84.4	58.6	3	33	28
Steyer Alma	93.8	92		57.8	2	33	29
SS 8302	93.5	93.4	86.4	57.4	5	35	29
Ebberts 501	93.5			59.6	4	35	27
KY93C-1238-17-2	93.5	94.5	86.3	58.9	0	37	28
Pioneer variety 26R15	93	89.3	83.5	57.8	7	34	28
Beck 122	92.9			57.5	8	37	26
Steyer Morral	92.6			59.3	10	32	28
KY96C-0770-3	92.3			58.2	10	32	28
KY93C-1238-17-1	91.9	91.9	86.3	59.3	9	37	27
IMI 95047-6-3-18	91.3			56.3	13	34	28
Exsegen Judith	91.2	90.2	84.6	59.1	4	38	28
SS 520	91.1	89.4	84.7	57	5	34	26
Delta King 9577	91.1	90.3		57.2	3	34	28
KY93C-0004-22-1	91	88	81	58.7	0	34	28
KY97C-0232-2-2	90.5	90.1		58	2	33	28
Delta King 9410	90.3	89.2	84.7	56.6	6	38	28
KY96C-0786-3-2	90.3			59.1	1	34	28
Ebberts 518	90.1			58.7	0	34	29
SS 8309	89.7	89.2	83.7	59.3	0	34	28
USG 3350	89.7	89.6	85.2	58.2	8	38	28
SS 560	89.6	91.5	81.1	58.1	13	33	29
Adler 625	89.5			58	3	37	28
Croplan Genetics 8301	89.4			60.2	8	34	26
Vigoro V9412	89.3	88.8	85.4	60.5	7	35	27
JGL EXP 604	89.3			57.8	3	37	28
Vigoro WX8501	89			57.9	2	33	28
KY93C-0378-5-2	88.8	87.2	80.3	58.7	3	34	28
Exsegen Lydia	88.8			57.8	19	32	28
Delta Grow 1600	88.6			57	2	34	28
Steyer Merrell	88.3	90.4		57	1	33	28
UMD MV5-46	88.1	88.2	81.8	58.7	9	31	27
USG 3910	88.1	88.6		60.3	3	34	27
Delta King 7710	87.9	85.9	81.1	58.9	2	38	28
Pioneer variety 25R54	87.8	88.6	83.3	58.2	18	35	28
KY93C-1238-17-5	87.7	88.7	82.5	59	14	36	27
Beck 117	87.6	88.7		59.6	9	34	26
USG 3209	87.4	91	83.9	57.6	8	30	27
Bravo	87.4			59.3	7	38	27
Adler 575	87.1			57.9	2	33	28
USG 3244	86.7			58.1	6	37	28
KY96C-0772-6-2	86.6			59.7	5	34	28
SS 8404	86.4	87.8		60	0	29	29
USG 3665	86.4			58.3	0	34	29
EXCEL 410tw	86.3			58.2	8	37	28
Delta Grow 4100	86			57.2	8	37	28
Exsegen Rachel	85.9	86.1		58.6	12	32	26
EXCEL 307	85.9	88	83.2	57	8	38	28
EXCEL 173	85.6			57.9	37	36	26
AgriPro COKER COKER 9511	85.5	85.5		59.7	8	35	25
EXCEL 399	85.4	88.5		57.3	10	38	29
Adler 545	85.1			59.6	24	37	27
IMI 95053-1A-11-6	84.9			56.4	13	35	28
Pioneer variety XW04C	84.8			59.8	5	32	27
Steyer McLane	84.4			57	10	38	30
EXCEL 392	84.3			57.8	8	38	29
JGL EXP 603	84.2			57.7	0	36	27
Cumberland	83.9		76.2	57.6	5	33	27
EXCEL 211	83.7	86.8		57.3	31	37	27
Clark	83.4	78.9	75.7	58.3	5	35	25
Vigoro V9410	83.4	86.8	82.4	58.8	5	37	26
Exsegen Leah	83.1	83.4		57.8	12	32	29
AgriPro COKER COKER 9553	83.1			59.6	0	33	26
EXCEL 212	82.4			57.9	12	39	28
EXCEL 361	81.9			60.4	2	37	28
KY94C-0094-11-2	81.6	84.4	79	59.5	3	35	29
UMD Choptank	81	83.4	77	58.9	4	29	26
Delta King 7830	78.4	83.2	79.5	57.4	30	37	27
AVERAGE	88.2	88.5	82.7	58.4	7	35	28
C.V.	9.1	8.1	8.4				
LSD (0.05)	6.4	3.8	3				

* Summary of three no-till tests (Calloway, Caldwell, and Shelby counties).

Table 9. 2006 Kentucky Wheat Test—Purchase Region.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%) 2006	Height (In) 2006	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06			
AgriPro COKER Cooper	112.2	98.7	94.4	60.8	60.5	58.6	11	34	22
Steyer Alma	110.9	101		60.9	60.6		1	33	22
Pioneer variety 25R37	108.4	97	94.7	60.9	60.9	59.2	6	33	22
Pioneer variety 26R22	108			59.9			4	35	22
AgriPro COKER Branson	107.8	99.1		59.1			4	33	21
KY93C-1238-17-2	104.9	102.6	95.9	61	61	59.3	0	36	22
Pioneer variety 26R15	104	88.6	87.4	59	59.3	57.8	14	34	22
SS 8309	103.8	93.9	94.1	61.3	60.6	59	0	35	22
KY96C-0786-3-2	102.4			60.1			4	34	22
SS 560	101.9	94.6	86.2	59.7	59.4	57.4	38	33	22
KY93C-1238-17-5	101.2	98.1	96.5	61.4	60.2	58.4	13	36	22
KY93C-0004-22-1	101.1	95.1	93.9	60.2	60.5	58.9	0	35	22
SS MPV-57	101.1	97.5	94.7	60	59.3	57.8	8	37	22
KY96C-0770-3	101			59.6			15	32	22
KY97C-0232-2-2	100.9	95.3		60.4	60.5		5	34	22
KY93C-1238-17-1	100.6	98.2	95.6	61.1	60.8	59	14	37	21
Pioneer variety 25R54	100.4	89.2	87.1	58.4	58.9	57.3	46	35	22
SS 8302	100.1	99	95.7	57.3	59.2	58.5	15	35	22
Beck 122	99.8			58.7			18	38	22
Ebberts 501	99.1			60.7			11	36	21
UMD MV5-46	99.1	94.3	90.6	59.8	59.9	57.8	26	31	21
Croplan Genetics 8301	99			61.2			13	36	21
Exsegen Judith	98.9	93.4	92.5	60.7	59.7	58.4	1	38	22
Delta Grow 1600	98.6			59			1	35	23
USG 3910	98.4	94.5		61.2	60.4		9	35	21
SS 520	98.2	92.9	87.8	58.5	57.9	56	15	34	21
Steyer Morral	98.2			61.6			25	33	22
IMI 95047-6-3-18	98.1			58.2			29	33	22
KY96C-0772-6-2	97.6			60.8			11	34	22
USG 3665	97.5			58.8			1	35	23
UMD Choptank	97.3	90		60.9	60.2		6	29	21
Vigoro V9412	97.3	90	90	62	61.4	60.1	19	36	21
KY93C-0378-5-2	95.9	91.1	91	60.3	60.4	58.7	8	34	22
Delta King 7710	95.9	87.8	89.2	59.6	59.4	57.9	0	39	22
JGL EXP 604	95.9			58.7			3	37	22
Exsegen Rachel	95.5	86.9		59.7	59.8		16	32	21
Ebberts 518	94.8			60.2			0	34	22
Adler 625	94.5			58.6			9	38	23
AgriPro COKER COKER 9511	94.3	90.1		60.3	60.7		18	37	21
Beck 117	94.1	91.1		60	60.3		25	36	21
Delta King 9577	94	93.2		59.6	59.5		1	34	23
USG 3209	93.8	92.9	89.9	58.3	59.2	57.6	23	30	21
Steyer Merrell	93.8	93.9		57.4	58.1		4	33	22
Exsegen Leah	93.6	89		58.9	58.8		21	33	23
Exsegen Lydia	93.4			58.8			28	32	22
USG 3350	92.6	90.5	91.4	59.5	59.4	58.2	5	38	22
EXCEL 399	91.6	92		59.1	59		13	37	23
USG 3244	91.3			59.5			11	38	22
Pioneer variety XW04C	91			61.3			14	32	22
EXCEL 410tw	91			60			5	36	22
Adler 575	91			59.1			3	34	22
AgriPro COKER COKER 9553	90.9			60.7			0	32	21
Vigoro WX8501	90.6			58.1			6	33	22
Clark	90.4	83.2	82.1	59.5	59.1	57.4	5	36	21
Cumberland	90.4		91.3	59.2		56.8	11	32	22
JGL EXP 603	90.2			59.4			0	35	22
KY94C-0094-11-2	90	90.2	86.2	60.7	60.5	59.4	1	33	23
Delta Grow 4100	90			58.6			15	37	22
SS 8404	89.8	88.8		61.5	61.6		0	29	23
IMI 95053-1A-11-6	89			57.1			13	34	22
Delta King 9410	88.5	90.1	91.5	57.7	58.8	57.5	10	38	22
EXCEL 173	88.1			58.5			78	36	22
EXCEL 307	87.6	89.3	90.6	59.2	59.2	57.6	13	37	22
Steyer McLane	87.6			57.3			18	39	23
EXCEL 212	86.9			59			13	40	22
Bravo	86.7			60.9			5	38	22
EXCEL 392	85.6			58.9			5	38	23
EXCEL 361	84.4			61.9			1	38	22
Vigoro V9410	83.6	86.8	87.4	59.7	59.4	57.9	10	37	21
EXCEL 211	83.4	89.3		59	59.1		73	37	21
Adler 545	82.4			63.2			53	37	21
Delta King 7830	78.8	86.5	86	57.9	58.3	56.5	68	38	21
AVERAGE	95.3	92.5	90.9	59.7	59.8	58.1	14	35	22
C.V.	5.3	5.8	6.7						
LSD (0.05)	7	5.3	4.9						

Planting date..... 10/11/05, no-till
Harvest date 6/16/06
Winter survival..... 100%
Preceding crop corn

* Calloway County, 2005-06: no-till; 2004: conventional.

Table 10. 2006 Kentucky Wheat Test—Western Coal Field Region, No-Till.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06	2006	2006	2006
Pioneer variety 26R22	104.8			58.6			15	35	23
KY93C-1238-17-2	103.5	92.3	93.7	60.2	60	58.8	1	36	23
AgriPro COKER Cooper	100.9	86.5	91	60.6	61	59	14	31	23
Steyer Alma	100.5	86.3		60.4	60.4		4	31	24
SS MPV-57	99.6	88	89.1	58.5	58.9	57.5	5	36	24
IMI 95047-6-3-18	99.4			54.9			10	34	24
Pioneer variety 25R37	98.8	82.6	85.6	58.8	59.8	58.6	4	32	23
Beck 122	98.8			59.2			5	35	21
KY93C-0378-5-2	98.4	83.1	85.4	60.1	60.5	58.8	1	33	24
Delta King 7710	96.8	81.5	84.5	60.4	60.2	58.2	5	37	23
SS 520	96.7	85.6	87.7	57.7	57.7	56.3	0	33	23
USG 3209	96.7	90.9	88.5	58.3	59.3	57.7	0	31	24
SS 8302	96.5	86.2	89.2	58.8	60	57.9	0	34	26
Delta King 9577	96.5	86.6		60	59.3		9	32	23
JGL EXP 604	96.4			58.5			5	36	23
Exsegen Judith	96.3	85.2	87.8	59.4	59.8	58.2	11	37	24
Pioneer variety 25R54	96.3	84.4	86.4	59.2	59.3	57.4	9	34	23
Delta King 9410	95.5	85.6	88.8	59.9	59.8	57.7	9	37	23
Bravo	95.3			60.4			16	37	22
KY96C-0772-6-2	95.2			61.2			3	33	24
Ebberts 501	94.7			61.2			0	33	22
Adler 625	94.7			59.7			1	35	23
KY96C-0786-3-2	94.6			60.3			0	32	23
AgriPro COKER Branson	94.3	85.4		60.2			1	32	22
KY96C-0770-3	94			59.9			14	31	23
Steyer Merrell	93.8	85.4		59.3	59.3		0	32	24
Adler 575	93.7			59.8			3	32	24
Steyer Morral	93.6			60.7			6	31	23
KY97C-0232-2-2	93.4	78.3		57.7	59.5		0	32	24
Exsegen Lydia	93.4			58.8			29	32	23
KY93C-1238-17-1	93.3	82.1	87.2	61.1	60.8	59.5	14	36	23
Steyer McLane	92.7			58.7			14	38	24
USG 3350	92.5	85	89.3	59	59.4	57.8	20	38	23
USG 3910	92.4	83.8		61	60.5		0	32	22
Delta Grow 1600	92.3			58.4			5	32	23
Vigoro WX8501	92.3			59.3			0	32	23
SS 8404	91.8	81.9		61.8	61.5		0	29	24
Vigoro V9412	91.7	84.7	89.4	60.8	60.9	59.1	3	33	22
KY93C-0004-22-1	91.5	76.3	82.3	60.6	61.1	59.5	0	33	23
Delta Grow 4100	91.4			58.1			10	36	23
SS 560	91.2	82.8	85.7	58.7	59	57.3	1	32	24
EXCEL 307	91.2	84	87	58.7	59.1	57.2	11	37	23
JGL EXP 603	91.2			59.1			1	35	23
USG 3665	91.2			60.1			0	32	24
SS 8309	91.1	84.1	86	60.3	60.6	58.5	0	33	23
Ebberts 518	90.8			59.1			0	33	23
KY93C-1238-17-5	90.6	80.8	82.9	59	59.4	58.3	29	35	22
Beck 117	90.5	82.7		60.8	61		3	32	22
Pioneer variety 26R15	90.3	79.4	84.1	58.1	59	57.2	8	34	23
Exsegen Leah	89	77.4		58.6	58.8		14	31	25
EXCEL 173	88.8			59.4			33	35	22
Croplan Genetics 8301	88.6			61.2			13	31	22
UMD MV5-46	88.4	80	81.5	60.7	60.3	59	0	31	23
USG 3244	88.3			59.7			8	36	23
Adler 545	88.2			60			19	37	23
Clark	88	75.1	80	59.7	59.8	57.8	10	34	21
EXCEL 392	87.7			58			20	37	24
Pioneer variety XW04C	87.6			58.9			0	31	24
EXCEL 410tw	86.6			60.2			19	37	23
EXCEL 361	86.4			60.8			5	35	23
EXCEL 399	86	82.2		58.6	59.1		19	37	23
AgriPro COKER COKER 9553	85.9			60.7			0	33	22
KY94C-0094-11-2	85.8	75.5	77.3	59.8	60.3	58.6	8	35	24
Exsegen Rachel	84.3	79.3		58.4	59.3		20	32	23
Cumberland	84.2		88.6	59.4		56.4	4	32	23
EXCEL 211	83.9	82		59.1	58.9		21	37	23
AgriPro COKER COKER 9511	82.9	78		61.3	61.6		6	33	21
IMI 95053-1A-11-6	82.4			57.5			26	34	24
EXCEL 212	82			59.5			23	38	23
Vigoro V9410	81.2	80.8	85.4	60.1	59.5	57.6	6	36	22
UMD Choptank	77	71.9		60.3	60.2		5	28	22
Delta King 7830	76.9	75.9	79	60.1	59.4	57.4	21	36	23
AVERAGE	91.7	82.4	86.1	59.5	59.8	58	8	34	23
C.V.	6.8	7.5	7						
LSD (0.05)	8.7	6.3	4.8						

Planting date..... 10/10/05
Harvest date 6/15/06
Winter survival..... 100%
Preceding crop corn

* Caldwell County

Table 11. 2006 Kentucky Wheat Test—Western Coal Field Region, Conventional Till.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06			
Pioneer variety 26R22	108.6			59.1			3	36	23
Pioneer variety 25R37	105.8	87.7	84.1	61.7	60.8	58.6	0	34	23
SS 560	105.5	92.2	86.4	58.9	58.8	56.8	1	32	23
USG 3665	105.3			58.5			3	35	23
AgriPro COKER Branson	105.1	91.3		59.9			15	34	22
KY96C-0786-3-2	103.4			61.3			15	34	23
Steyer Alma	102.7	86.2		59.8	59.8		14	34	23
EXCEL 392	102.5			60.5			3	39	24
Beck 122	101.9			58.7			0	37	22
KY97C-0232-2-2	100.6	81.9		59.7	59.6		4	33	23
USG 3910	100.6	84.5		60.9	59.8		6	33	22
SS 8309	100.3	87.7	84.8	58.6	58.7	57.7	3	35	23
Pioneer variety 25R54	100.2	89.6	84	58.4	58.1	56.3	1	34	23
Pioneer variety 26R15	100.1	88.5	86.7	57.8	58.2	55.8	15	34	23
Steyer Merrell	100	82.1		58	57.5		0	34	23
KY93C-1238-17-2	99.7	86.3	83.5	60.5	59.7	58.1	13	39	23
EXCEL 212	99.5			59.8			16	41	23
KY93C-1238-17-1	99.2	84.9	85.4	60.4	60.4	58.8	1	36	22
Exsegen Judith	99.1	82.8	81.1	59.7	59.1	57.6	10	38	23
Ebberts 518	99.1			57.2			5	34	23
IMI 95047-6-3-18	98.9			57			23	35	23
USG 3244	98.9			58.5			5	38	23
Steyer McLane	97.2			60.4			30	38	24
Delta Grow 1600	96.8			58.2			6	35	23
USG 3350	96.7	86.2	84.2	58.8	58.7	57.2	0	38	23
Croplan Genetics 8301	96.7			60.8			25	35	22
Delta King 7710	96.4	82.5	80	59.7	59	57.2	6	39	23
Steyer Morral	96.3			60.2			0	33	23
Delta King 9577	96.2	85.3		57.7	57.9		5	33	23
EXCEL 399	96.2	84.3		57.2	58.5		18	39	23
Exsegen Lydia	95.7			60.3			19	34	23
AgriPro COKER COKER 9511	95.4	85		61.3	60.9		15	36	21
SS MPV-57	94.8	85.3	85.4	59.1	58.6	56.5	24	35	23
Adler 575	94			59.7			8	33	23
AgriPro COKER COKER 9553	93.9			60.9			20	35	22
AgriPro COKER Cooper	93.4	82.3	79.2	60.6	59.9	57.1	24	32	23
Vigoro WX8501	93.3			58.7			6	33	23
EXCEL 307	92.3	81.1	81.3	58.3	58.6	57.3	5	39	23
Ebberts 501	92.2			60.7			0	33	22
KY93C-0004-22-1	92.2	77.6	76.7	60.4	60.5	58.2	0	33	23
Bravo	92.2			61.1			1	38	22
Adler 625	92.2			58.7			0	37	23
JGL EXP 604	91.8			58.4			1	37	23
KY93C-1238-17-5	91.5	80.6	81.4	61	59.7	57.8	9	36	22
Exsegen Leah	90.7	79.6		60.5	59.4		10	31	24
KY96C-0772-6-2	90.4			61.7			18	34	23
SS 520	90.3	81.9	80.4	57.9	57.2	55.7	0	34	21
Beck 117	89.9	79.7		59.9	59.5		0	32	22
UMD Choptank	89.8	78.2		60.6	59.9		1	28	22
KY93C-0378-5-2	89.5	77	75.5	59.9	59.4	57.6	15	33	23
Cumberland	89.4		85.2	58.4		56	0	33	23
Delta King 9410	89.1	79.2	80.1	57.9	58.5	56.5	0	38	22
SS 8302	88.9	82.7	81.3	58.7	59	56.6	18	34	23
Vigoro V9412	88.9	83.1	81.6	58.5	59	57.7	3	33	22
UMD MV5-46	88.9	79.2	77.6	61	59.4	57.8	0	31	23
KY96C-0770-3	88.8			59.2			31	32	23
KY94C-0094-11-2	87.9	77	74.4	60.8	60.8	59	5	36	24
EXCEL 410tw	87.6			60.1			9	38	23
EXCEL 361	87			60.5			3	38	23
JGL EXP 603	86.6			59			16	38	23
Exsegen Rachel	86.5	78.3		57.8	58.2		30	33	23
Delta Grow 4100	84.7			57.5			13	38	23
IMI 95053-1A-11-6	84.5			56.8			49	37	23
Adler 545	83.9			58.6			16	37	23
Pioneer variety XW04C	83.7			60.5			13	31	23
EXCEL 211	83.1	78.2		58.5	58.5		28	37	22
Vigoro V9410	83	81.8	79.5	58.7	58.7	56.9	11	37	22
Clark	82.7	71.8	69	58.6	57.4	55.5	3	35	22
SS 8404	82.6	77.6		60.3	60.6		15	29	23
USG 3209	81.9	77.5	79.4	57.2	58.4	56.2	3	30	23
EXCEL 173	80.9			56			63	37	22
Delta King 7830	76.3	72.3	75.3	58.4	58	56.1	25	37	22
AVERAGE	93.5	82	80.9	59.3	59.1	57.1	11	35	23
C.V.	7.9	8.4	9						
LSD (0.05)	10.3	7.1	6.1						

Planting date..... 10/12/05, conventional tillage
Harvest date 6/14/06
Winter survival..... 100%
Preceding crop corn

* Caldwell County; no fungicides applied.

Table 12. 2006 Kentucky Wheat Test—Ohio Valley Region.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06	2006	2006	2006
AgriPro COKER Branson	110	100.7		57.8			5	35	24
SS 560	109.9	100.2	94.7	56.5	58.6	58.4	14	34	28
KY97C-0232-2-2	108.6	97.1		58.3	60		4	35	27
Ebberts 501	107.7			60.4			1	38	25
Ebberts 518	105.8			57.1			9	37	28
USG 3350	105.4	99.7	96	56.6	58.4	58.1	8	39	26
Steyer Alma	104.1	99.2		58.1	59.9		30	34	28
Pioneer variety 26R15	102.8	91.5	91.6	57.7	59.3	58.9	8	36	27
Beck 122	102.7			57.6			19	40	25
Croplan Genetics 8301	101.1			60.3			8	36	26
Pioneer variety 25R54	101	96.3	93.6	56.7	58.2	57.8	25	37	27
KY93C-1238-17-2	100.6	95.9	96.2	58.4	59.6	59.7	0	39	27
EXCEL 307	99.6	92.6	93.3	57	58.7	58.8	4	39	27
Delta Grow 1600	99.4			56.8			18	35	28
USG 3244	99.4			57.8			4	40	28
AgriPro COKER Cooper	99.2	99.1	98.5	58.4	60.2	59.6	19	35	28
AgriPro COKER COKER 9511	99.2	92.6		61.1	61.6		3	35	24
IMI 95047-6-3-18	99.1			56.2			20	36	27
Delta Grow 4100	98.5			57.4			0	39	28
USG 3910	98.4	90.1		59.2	59.8		4	36	26
KY96C-0786-3-2	98.2			59			0	35	28
Exsegen Judith	98	95.2	92.6	58.8	59.5	59.2	8	40	28
Vigoro WX8501	98			57.3			9	35	27
Delta King 7710	97.8	91.4	92.5	58.9	59.5	59.3	8	40	28
Steyer Merrell	97.6	94.7		56.7	58.8		15	36	28
SS MPV-57	97.3	95	94.3	56.7	57.9	57.9	26	36	29
SS 8302	96.9	95.8	97.2	58.2	59.2	59.2	9	36	28
EXCEL 410tw	96.9			57.4			0	40	28
EXCEL 399	96.8	92.9		56.5	58.5		5	40	28
KY93C-0378-5-2	96.8	88	93	58.5	60.2	59.8	4	34	28
SS 520	96.6	93.3	86.7	56.9	57.9	57.9	34	35	23
Steyer Morral	95.8			57.8			31	34	26
Vigoro V9412	95.3	91	91.7	59.7	60.5	60	3	36	26
AgriPro COKER COKER 9553	95.2			60.3			10	35	24
Pioneer variety 26R22	95			57.5			24	36	27
EXCEL 211	94.8	97.5		58.5	59.7		16	38	25
SS 8309	94.6	92.3	89.7	57.8	59.1	59.5	0	37	27
Beck 117	94.5	91.8		60.4	61.3		11	36	26
KY93C-1238-17-5	94.2	91.1	91.6	60.2	60.3	60	23	36	26
Delta King 9577	94.1	99.3		56.5	58.9		21	35	28
Delta King 9410	94.1	94.3	94.4	56.7	58.7	58.9	1	40	27
Adler 545	94			58.3			19	39	26
KY96C-0772-6-2	93.9			58.9			10	35	28
Delta King 7830	93.5	93.6	94.3	57.4	59	58.7	20	38	27
USG 3665	93.5			56.9			4	35	28
UMD MV5-46	93.2	90.6	90	59.5	59.8	59.6	14	32	25
JGL EXP 603	92.9			56.4			3	38	26
Pioneer variety 25R37	92.8	89	89.7	58.5	60.1	59.5	15	35	27
KY93C-1238-17-1	92.5	88.6	88.5	58.3	59.7	59.4	15	37	27
KY93C-0004-22-1	91.9	88.6	89.5	59	60.4	59.6	15	36	28
Adler 575	90.8			56.9			21	35	27
Pioneer variety XW04C	90.6			60.5			21	31	24
Vigoro V9410	90.5	91.3	94.1	57.3	58.6	58.6	24	38	25
EXCEL 173	88.9			56.7			54	38	25
JGL EXP 604	88.5			56.3			1	38	27
UMD Choptank	88	90.4		58.1	59.5		31	29	23
IMI 95053-1A-11-6	87.9			55.7			13	37	27
KY96C-0770-3	87.8			56.1			26	33	26
Cumberland	87.4		94.8	55.9		57.1	10	35	26
Adler 625	87.4			56.4			1	38	27
SS 8404	87.2	84.3		59.7	61.2		6	32	27
Bravo	87.2			58.9			8	38	26
EXCEL 392	86.4			57.3			26	39	29
EXCEL 361	85.9			60.1			4	41	28
Steyer McLane	85.6			56.1			21	40	29
USG 3209	85.5	88.4	88.8	56.3	59.1	58.6	29	30	24
EXCEL 212	85.3			58.5			15	41	28
Exsegen Rachel	84.9	83.9		57	58.5		14	33	25
Exsegen Lydia	84.5			57.3			60	34	27
Exsegen Leah	84.2	83.7		57	58		21	33	28
Clark	83.8	81.3	74.2	57.9	58.5	58	10	37	24
KY94C-0094-11-2	73.2	74.8	79.1	57.3	59.1	59.2	0	38	29
AVERAGE	94.6	91.9	91.5	57.9	59.4	58.9	14	36	27
C.V.	6.5	8.2	9						
LSD (0.05)	8.6	7.4	6.6						

Planting date..... 10/12/05, conventional tillage
Harvest date 6/17/06
Winter survival..... 100%
Preceding crop corn

* 2006: Webster County; 2004-05: Union County.

Table 13. 2006 Kentucky Wheat Test—Bluegrass Region.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06			
SS MPV-57	122.3	101.5	92.8	60.9	57.6	54.4	3	37	31
Steyer Merrell	118.7	101.3		59.7	56.9		1	37	31
Pioneer variety 25R37	118.2	90	84	60.9	59.5	56.7	0	37	31
Adler 575	117.4			58.6			0	36	30
SS 520	116.8	94.1	85.7	59.3	56.9	54.3	30	38	25
USG 3665	115.1			59.1			1	37	31
KY93C-1238-17-2	115	100.3	92.5	60.6	58.9	56.4	1	41	31
SS 560	114.8	91.6	84.1	55.9	55.6	52.7	5	36	31
Vigoro WX8501	113.7			58			0	37	31
KY97C-0232-2-2	113.4	95.7		60.4	58.6		8	38	30
Ebberts 518	113.2			60			0	38	32
KY93C-1238-17-1	113.2	103.3	92.9	60.8	59.9	57.2	16	39	31
UMD MV5-46	113	93.3	86.2	61.1	59.5	56.7	24	34	27
Pioneer variety 26R15	112.8	87.2	86.7	58.5	55.5	54.1	9	37	31
AgriPro COKER Branson	112.5	94.1		57.2			11	36	27
Pioneer variety 25R54	112.3	90.7	90.5	58.7	57.4	55.6	5	38	30
Steyer Alma	111.8	99.3		59.6	57.8		0	35	32
Delta Grow 1600	111.3			55.1			1	38	32
Beck 122	110.5			57.1			14	40	28
UMD Choptank	110.1	85.6		60	58.2		31	31	25
IMI 95047-6-3-18	109.6			56.1			19	40	31
Vigoro V9412	109.4	88.3	86.6	59.5	58.7	57.8	1	37	29
Pioneer variety XW04C	109.3			62.4			20	32	26
Pioneer variety 26R22	108			58.6			8	39	31
KY96C-0786-3-2	107			59.9			8	37	31
Steyer Morral	106.9			58.4			39	34	29
KY93C-0378-5-2	106.8	96.9	92.7	60.6	59.7	57.2	10	37	31
Ebberts 501	106.6			61.6			0	38	30
USG 3910	105.3	85.2		61.4	58.7		0	36	30
KY93C-1238-17-5	104.7	98.6	89.6	60.4	59.1	56.9	28	38	29
Exsegen Rachel	104.1	83.8		59.1	58.6		18	35	28
SS 8309	104.1	90.2	90.7	58.7	57.5	55.6	1	38	31
AgriPro COKER Cooper	103.7	92.9	92.9	57.2	56.8	55.3	13	36	32
AgriPro COKER COKER 9511	103.2	92.2		60.1	59.6		8	38	25
Croplan Genetics 8301	103.2			60.7			0	36	29
KY93C-0004-22-1	103.1	94.1	88.4	60.3	59.6	57.1	4	37	31
Delta King 9577	101.8	88.9		56	54.8		26	37	31
Beck 117	101.7	88.8		60.7	58.8		3	37	29
SS 8302	101.6	91.9	89.9	58.6	58.5	56.1	10	38	31
KY96C-0772-6-2	101.6			60.1			6	37	31
Steyer McLane	101.4			58.2			21	39	33
Exsegen Lydia	101.1			56.7			19	36	31
AgriPro COKER COKER 9553	100.9			58.5			18	38	25
JGL EXP 604	99.4			55.5			10	39	33
KY96C-0770-3	99			58			9	35	29
Cumberland	98.5		87.4	55.6		53.1	6	36	28
KY94C-0094-11-2	97.3	85.6	83	59.3	57.8	56.4	0	38	33
Exsegen Leah	96.5	83.8		56.5	55.2		18	34	32
EXCEL 212	96.1			57.1			19	41	32
Delta King 7710	95.8	85.7	82.1	59.1	58	56.3	0	40	32
Adler 625	95.4			56.6			6	39	33
USG 3350	92.7	84.6	82.7	55.4	55.4	54.4	0	41	31
Exsegen Judith	90.6	86.2	84.7	59.3	57.9	56	5	40	32
Delta Grow 4100	90.2			55.1			0	41	32
EXCEL 392	89.8			57.2			40	40	33
USG 3244	89.1			56.1			13	40	31
IMI 95053-1A-11-6	88.7			54			29	39	31
EXCEL 173	86.3			55.6			65	37	27
Bravo	84.5			58.9			14	39	30
EXCEL 410tw	83.2			55.4			10	39	32
EXCEL 399	82	76.2		53.4	53.8		24	40	31
EXCEL 361	81.9			60.8			3	41	32
Clark	80.9	70.3	71.6	57.1	55.6	53.9	14	39	25
EXCEL 307	79.3	81.9	83.8	54.4	55	54.4	13	40	31
Delta King 9410	77.8	77.4	78.8	52.7	53.3	52.1	1	40	31
USG 3209	77.5	72.4	73.6	54.4	53.9	52.7	63	33	28
JGL EXP 603	76.6			54.3			16	39	30
SS 8404	74.3	72.3		58.5	58.7		0	33	32
Adler 545	71.9			54.9			16	39	28
Vigoro V9410	70	68.3	74.4	54.2	54.5	54.2	16	40	28
Delta King 7830	63.9	61.6	66.9	53.1	52.4	52.2	34	40	30
EXCEL 211	63.7	70.4		52.7	55.1		50	38	28
AVERAGE	99.5	87.2	85	57.9	57.1	55.2	13	38	30
C.V.	8.1	8.3	9.6						
LSD (0.05)	11.2	7.5	6.8						

Planting date..... 10/5/05
Harvest date 6/22/06
Winter survival..... 100%
Preceding crop corn

* Fayette County; no fungicides applied, conventional tillage.

Table 14. 2006 Kentucky Wheat Test—Southern Tier Region, Todd County.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06			
KY93C-1238-17-2	120.7	108.7	88	60	60.9	58.3	0	36	23
AgriPro COKER Branson	117.9	120.8		58.1			20	33	21
Pioneer variety 25R37	116.6	104.7	92.7	61.2	61.5	59.6	0	35	22
KY96C-0786-3-2	115.7			59.5			3	34	22
Adler 575	113.3			58.2			0	34	22
Steyer Alma	111.9	109.6		59.2	60.4		25	33	23
KY93C-0378-5-2	111.9	110.5	90	59.7	60.8	58.3	0	34	22
SS 8309	111	101.2	90.8	59.2	60.1	58.6	0	34	23
Steyer Morral	110.9			59.5			23	32	22
KY93C-1238-17-1	110.5	108.8	92.3	60.8	61	58.6	13	37	22
SS 8302	110.4	104.3	89.9	59	60.3	58.3	0	34	22
KY93C-0004-22-1	109.7	105.3	88.3	59.7	61	58.5	0	34	22
AgriPro COKER Cooper	109.4	113	96.5	56.4	59.6	57.9	18	33	22
IMI 95047-6-3-18	108.6			55.7			0	34	22
Pioneer variety 26R15	108.3	102.2	88.7	59.7	60.1	57.7	0	35	22
Croplan Genetics 8301	108			60.2			0	36	21
Vigoro WX8501	107.5			59.2			0	33	23
Pioneer variety 26R22	106.9			57.8			23	35	22
Adler 625	105.9			57.3			3	37	23
SS 560	105.8	100.1	84.2	57	58.6	56.6	0	33	22
SS MPV-57	105.6	110.9	94.4	59	59.1	57.1	37	35	22
USG 3910	104.9	99.4		60.2	60.6		0	36	21
EXCEL 392	104.8			59.4			20	40	24
Exsegen Leah	104.3	99		58.3	59.2		5	31	23
Delta King 9577	104.1	106.1		57.1	59.5		22	34	22
Pioneer variety XW04C	103.7			61.9			0	33	22
USG 3244	103.4			58.3			3	38	22
Beck 122	103			57.1			18	37	21
KY97C-0232-2-2	102.7	103		57.9	60		23	34	22
Pioneer variety 25R54	102.6	101.3	89.9	57.3	59.6	58.6	15	34	22
Vigoro V9410	102.4	97.8	91.4	58	59.6	57.8	0	38	21
Exsegen Lydia	101.8			57.7			34	32	22
Ebberts 501	101.1			60.2			0	36	22
USG 3350	100.8	100.8	91.3	58.3	59.5	57.6	3	39	22
EXCEL 307	100.5	100.5	93	58.5	59.4	57.9	5	38	23
KY96C-0772-6-2	99.9			58.3			33	34	22
SS 8404	99.4	106.4		58.9	61		0	30	22
Vigoro V9412	99.4	97.4	91.4	60.2	60.6	59	10	35	21
KY93C-1238-17-5	99.4	109.8	96.2	59.7	60.6	58.3	13	37	22
Steyer Merrell	98.9	102.6		57.6	59.5		27	35	22
KY94C-0094-11-2	98.4	94.5	84.9	58.8	60.5	58.1	0	35	23
EXCEL 361	98.4			61.3			15	39	22
SS 520	97	102.4	90.2	56.3	58.2	56.3	5	35	21
JGL EXP 604	97			57.6			5	36	23
Beck 117	96.4	100.9		59.7	60.9		40	36	21
EXCEL 410tw	96.1			58.5			0	37	23
Exsegen Judith	95.9	97.3	90	59.7	60.3	58.6	5	39	22
Cumberland	95.9		75.3	59.2		55.3	25	33	22
Exsegen Rachel	94.5	92.4		58.3	59.4		39	35	22
Delta Grow 1600	94.1			58.8			47	35	23
USG 3209	93.1	107.5	90.8	56.9	58.8	56.7	50	31	21
USG 3665	92.3			58.2			60	35	22
AgriPro COKER COKER 9511	91.5	99		60.6	62.1		45	37	21
Ebberts 518	91.1			58.1			37	34	23
Steyer McLane	90.9			59.8			25	38	24
UMD Choptank	90.4	93.3		59.5	60.5		30	30	21
UMD MV5-46	90.3	98.1	85	59.9	60.7	58.8	59	32	21
Delta Grow 4100	90.1			58.5			0	38	23
Bravo	89.2			59.8			54	37	22
EXCEL 212	88.8			59.7			23	41	22
IMI 95053-1A-11-6	88.6			54			41	36	22
EXCEL 173	88.3			58			49	37	21
JGL EXP 603	87.3			58			29	37	22
EXCEL 399	86.4	86.1		58.1	59.3		33	38	22
Delta King 7710	86.1	94.9	88.3	59.7	60.6	58.4	37	38	22
KY96C-0770-3	85.9			51.3			49	31	22
AgriPro COKER COKER 9553	85.8			59.6			39	34	21
Adler 545	85.6			57.1			40	37	22
Delta King 9410	85.3	94	89.4	57.3	59.2	57.3	30	38	22
Clark	81.6	83.5	79.2	58.1	59.3	57.6	55	37	21
Delta King 7830	76	89.4	85.4	57.3	59.2	57.5	36	37	22
EXCEL 211	74	90.7		57.9	59.2		46	37	21
AVERAGE	99.2	101.2	89.2	58.6	60	57.9	20	35	22
C.V.	12.3	12	11						
LSD (0.05)	17	11.8	8.2						

Planting date..... 10/11/05, conventional tillage
Harvest date 6/16/06
Winter survival..... 100%
Preceding crop corn

* 2005-06: Todd County; 2004: Logan County.

Table 15. 2006 Kentucky Wheat Test—Southern Tier Region, Logan County.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date**
	2006	2005-06	2004-06	2006	2005-06	2004-06	2006	2006	> April 1 2006
SS MPV-57	103.9	103.3	89.4	57.8	58.4	56.6	0	37	27
Ebberts 518	97.6			57.4			0	36	27
KY96C-0786-3-2	97.2			60.2			0	37	26
Pioneer variety 25R37	97.2	92.6	84.6	59.7	60.2	58.8	0	37	26
Steyer Morral	95.7			59.5			0	36	26
IMI 95047-6-3-18	95.6			58.5			0	38	26
Steyer Alma	94.5	94.6		59.2	59.7		0	36	27
KY93C-1238-17-1	94.3	96.2	83.9	59.1	60	57.9	0	39	26
Delta King 7710	94.1	93.8	87.6	59.7	59.6	57.8	0	42	27
AgriPro COKER Branson	93.9	95.8		58.8			0	34	24
USG 3665	93.9			58			0	39	27
Delta King 9577	93.4	95.9		56.6	58.3		0	38	27
Adler 575	93.3			56.5			0	36	26
EXCEL 399	92.8	90.2		57.3	58.5		0	41	27
Steyer Merrell	92.1	94.6		55	57.3		0	36	27
Exsegen Judith	91.4	92.5	86.8	60.3	60.2	58.5	0	41	27
Pioneer variety XW04C	91.3			63			0	33	25
USG 3244	91.3			56.1			0	40	27
SS 560	90.1	91.7	78.6	57.1	57.5	55.8	0	35	27
Bravo	89.9			60.7			0	39	26
Delta Grow 1600	89.4			58.1			0	37	27
EXCEL 307	89.4	90.7	86.4	56.7	58.2	57.2	0	41	26
Vigoro V9412	89.2	86.6	84.2	59.7	60.3	58.8	0	39	25
Pioneer variety 26R15	88.9	86.8	78.4	58.4	58.7	56.8	0	37	26
SS 8302	88.9	88.7	79.4	57.8	59.4	57.7	0	36	27
AgriPro COKER Cooper	88.8	90	81.2	58.7	59.5	57.8	0	35	27
Delta King 9410	87.3	89.6	86.5	56.6	58.4	56.7	0	40	26
Cumberland	87.1		70.9	59.6		55.5	0	35	25
Adler 625	86.9			57			0	40	27
Beck 122	86.9			58.1			0	40	25
KY93C-0004-22-1	86.5	87.3	76.3	59.8	60.6	58.2	0	35	26
UMD Choptank	86.5	84.5		56.4	57.5		0	29	24
EXCEL 410tw	86.4			57.3			0	39	27
KY97C-0232-2-2	86.4	89.2		59.1	60.2		0	36	26
KY93C-1238-17-5	86	91.2	83.8	60.3	60.2	58.1	0	38	25
KY96C-0772-6-2	85.9			58.1			0	36	27
Pioneer variety 25R54	85.8	88.2	81.2	58	59.1	58.3	0	37	26
AgriPro COKER COKER 9511	85.3	88.6		61	61.5		0	38	24
AgriPro COKER COKER 9553	85			60.9			0	37	24
SS 8404	84.9	87.2		60.7	61.4		0	33	27
EXCEL 392	84.8			57.1			0	41	29
KY96C-0770-3	84.8			57.6			0	34	26
USG 3350	84.6	90	84.1	57.8	58.8	57.1	0	41	26
KY93C-1238-17-2	84.5	87.2	73.7	59.8	60.5	58	0	38	26
Ebberts 501	84.2			59.5			0	37	25
Vigoro WX8501	84.2			57.1			0	37	26
SS 520	83.3	88.6	81	58.3	57.7	56	0	36	24
SS 8309	82.6	83.8	79.2	58.5	59.4	58.1	0	37	26
UMD MV5-46	82.5	85.8	76.8	60.3	60.5	58.7	0	34	25
Exsegen Lydia	82			58.3			0	36	26
Exsegen Leah	81.9	85.9		56.4	58.7		0	35	27
EXCEL 212	81.7			59.5			0	42	26
JGL EXP 603	80.9			58.3			0	39	26
Beck 117	80.7	85.8		59.4	60.6		0	37	25
Delta Grow 4100	80.1			58.1			0	40	27
Pioneer variety 26R22	80			57.9			0	38	26
Vigoro V9410	79.2	81.5	80.6	57.1	58.5	57.1	0	40	25
EXCEL 211	78.4	85.5		57.6	58.9		0	40	25
JGL EXP 604	78.1			55.7			0	40	27
IMI 95053-1A-11-6	78			56.4			0	37	26
Croplan Genetics 8301	77.2			59.4			0	37	25
Clark	77	74.6	73.3	59	58.7	57.3	0	38	24
EXCEL 361	76.2			59.6			0	41	27
Adler 545	75.8			57.9			0	38	25
USG 3910	75.8	76.9		58.9	59.5		0	36	25
Steyer McLane	75.7			58.3			0	41	29
Delta King 7830	75.6	83.8	81.7	57	58.3	56.9	0	39	26
Exsegen Rachel	75.4	80.3		58.8	59.1		0	34	25
KY93C-0378-5-2	74.1	81.7	70.8	58.5	59.8	57.6	0	36	27
KY94C-0094-11-2	72.8	78.8	74.4	59	60.1	57.9	0	41	29
USG 3209	72.8	84.1	75.2	55.2	57.8	56	0	32	25
EXCEL 173	70.2			57			0	38	25
AVERAGE	85.5	87.9	80.4	58.4	59.2	57.4	0	37	26
C.V.	9.6	8.9	8.5						
LSD (0.05)	11.5	7.7	5.7						

Planting date..... 10/10/05, conventional tillage
Harvest date 6/15/06
Winter survival..... 100%
Preceding crop corn

* Logan County

** Heading date not recorded due to drought-related uneven emergence—data from overall state summary.

Table 16. 2006 Kentucky Wheat Test—North Central Region.*

Variety	Yield (Bu/a)			Test Wt. (Lb/bu)			Lodging (%)	Height (In)	Heading Date > April 1 2006
	2006	2005-06	2004-06	2006	2005-06	2004-06			
Delta King 9410	86.8	91.1	82.5	52.2	55.5	55.7	0	38	39
Ebberts 501	86.7			56.8			0	34	37
Steyer Morral	86.2			55.7			0	32	38
Vigoro V9410	85.2	92.4	82.8	56.7	58.7	57.9	0	36	36
Adler 545	84.6			55.5			0	37	36
Pioneer variety 26R15	84.6	93.1	83.3	56.3	58.3	57.4	0	34	38
Ebberts 518	84.5			56.8			0	34	41
Vigoro WX8501	84.2			56.2			0	34	38
SS 8302	84.1	95.1	86.7	56	58.5	58.2	0	34	40
USG 3350	84.1	90.6	83.4	56.1	57.8	57.1	0	36	38
EXCEL 211	83.7	89.5		53.8	57.3		0	36	36
IMI 95053-1A-11-6	83.3			54.7			0	33	38
Delta King 9577	82.8	90.2		52	56.1		0	33	39
SS MPV-57	82.2	94.9	84.1	53.8	56.5	55.8	0	32	41
KY96C-0770-3	81.9			55			0	31	38
KY93C-1238-17-1	81.7	93.5	86.6	55.6	58.1	58.3	0	33	38
Pioneer variety 26R22	81.6			55.5			0	34	39
EXCEL 410tw	81.2			54.3			0	35	39
Croplan Genetics 8301	80.7			58.1			0	35	37
KY93C-0004-22-1	80.5	85.6	77.8	55.3	58.4	58.3	0	33	38
USG 3244	80.5			55.1			0	36	40
AgriPro COKER Branson	80.3	95.2		55.4			0	33	35
Bravo	80.3			56.6			0	37	37
Beck 122	80.1			54.7			0	37	36
Delta King 7830	79.7	86.8	78.1	54.1	56.7	56.5	0	36	37
EXCEL 173	79.7			55.8			0	36	36
EXCEL 392	79.7			56.5			0	36	41
Exsegen Lydia	79.6			55.9			0	31	38
Adler 625	79.2			55.8			0	34	39
AgriPro COKER COKER 9511	79.2	88.8		57.5	59.8		0	35	34
EXCEL 307	79	87.8	80.8	53.2	56.4	56.2	0	36	39
Vigoro V9412	79	89.5	80.7	58.8	60.4	59.9	0	33	37
EXCEL 399	78.7	90.3		54.1	56.2		0	35	40
Exsegen Judith	78.5	92.3	80.9	57.2	58.5	58.3	0	34	39
EXCEL 212	78.4			55.1			0	37	39
SS 520	78.3	88.8	82.5	54.8	57.5	56.3	0	33	34
Beck 117	78.2	89.3		57.9	59.9		0	33	37
Exsegen Rachel	78	87.9		57.8	59.6		0	30	35
SS 8404	77.4	88.7		56.6	59.7		0	29	40
Steyer Merrell	77.4	87		54.4	56.8		0	32	40
Cumberland	77.1		69.1	54.1		55.4	0	33	36
KY97C-0232-2-2	77.1	91.6		56	58.5		0	32	39
UMD MV5-46	76.9	88.6	82.4	55.5	58.7	58.4	0	31	36
Adler 575	76.8			54.7			0	33	37
Delta Grow 4100	76.6			54.8			0	34	40
IMI 95047-6-3-18	76.5			55.9			0	34	38
AgriPro COKER Cooper	76	84.1	81.9	54.4	57.9	57.2	0	31	39
Pioneer variety XW04C	75.8			59.1			0	33	35
SS 560	75.8	92.6	79.4	55.8	57.4	56.1	0	32	40
JGL EXP 604	75.7			56.2			0	34	39
Delta Grow 1600	74.9			53.7			0	33	39
EXCEL 361	74.9			58.4			0	36	39
Pioneer variety 25R37	74.7	87.4	81.2	56.2	58.2	57.8	0	32	39
SS 8309	74.3	86.2	78.6	56.4	57.1	57.1	0	33	40
KY96C-0786-3-2	74			56.8			0	32	39
USG 3910	73.5	87		58.7	59.2		0	33	38
Steyer McLane	73			54.9			0	36	42
AgriPro COKER COKER 9553	72.6			57.4			0	32	34
KY93C-0378-5-2	72.3	86.1	78.7	55.8	58.9	58.1	0	33	39
KY93C-1238-17-2	72.3	87.7	83	55.6	58.2	58.3	0	32	38
Clark	71.9	77	69.4	55.8	57.8	56.7	0	36	34
USG 3209	71.7	87.5	80.9	56.1	57.7	57.1	0	31	36
KY93C-1238-17-5	71.4	83.1	78.4	56.5	59.3	59.6	0	31	37
Delta King 7710	71.2	88.6	79	56.8	58	56.6	0	35	40
JGL EXP 603	71.2			54.6			0	33	37
USG 3665	70.4			56			0	33	40
Steyer Alma	70	82.1		52.2	56.1		0	31	41
KY94C-0094-11-2	68.9	83	77.9	57.9	59.7	58.6	0	33	41
UMD Choptank	68.9	82.7		55.4	57.6		0	27	34
KY96C-0772-6-2	67			57.1			0	31	39
Exsegen Leah	66.8	82.3		55.9	57.5		0	29	40
Pioneer variety 25R54	66.8	86.2	79.7	56.9	58.6	57.7	0	32	38
AVERAGE	77.6	88.3	80.4	55.8	58	57.4	0	33	38
C.V.	14.6	10.7	10.4						
LSD (0.05)	15.8	9	6.8						

Planting date..... 10/31/05, no-till
 Harvest date 6/30/06
 Winter survival..... 100%
 Preceding crop soybean

* Shelby County

Table 17. 2006 Kentucky Barley Test.*

Variety	Yield (Bu/a)		Test Wt.	Lodging	Height	Heading
	2006	2001-06	(Lb/bu)	(%)	(In)	Date
Thoroughbred	93	102.4	46.0	25	34	23
Price	85.4	100.2	45.6	28	32	21
AVERAGE	89.2	101.3	45.8	26	33	22

* Summary of two conventional tests (Caldwell and Logan counties).

Table 18. 2006 Kentucky Hulless Barley Test.*

Variety	Yield (Bu/a)			Test Wt.	Lodging	Height	Heading
	2006	2005-06	2004-06	(Lb/bu)	(%)	(In)	Date
Doyce	64.5	70.8	73.9	52.8	5	32	17
H-585	58.3	67.9	71.2	54.2	0	34	16
VA01H-1	65.3	72.4	76.8	57.2	5	34	16
VA01H-125	70.7	74.4	71.6	55.5	0	30	17
VA01H-68	53.7	62.5	67.5	57.7	0	34	16
VA03H-100	67.3	73.2		57.5	0	38	17
VA03H-58	35.0	58		59.6	80	32	18
VA03H-61	65.6	71.5		59.4	0	33	17
VA03H-64	63.7	71.4		56.6	0	36	17
VA04H-111	51.1			53.6	20	34	17
VA04H-112	46.4			52.6	70	34	17
VA04H-113	42.3			56.4	70	34	17
VA04H-114	48.0			55.2	60	33	17
VA04H-122	49.3			48.6	0	30	18
VA04H-24	52.3			57	0	35	17
VA04H-25	57.8			56.6	0	35	17
VA04H-26	47.4			55.6	0	32	17
VA04H-32	61.7			55.5	0	30	16
VA04H-35	63.5			54.2	0	36	17
VA04H-53	61.4			57.2	25	36	18
VA04H-56	54.2			54.3	20	36	17
VA04H-59	67.1			54.5	5	37	17
VA04H-86	53.3			55.1	0	34	18
VA04H-95	50.4			55.4	0	35	17
VA04H-98	50.4			54.7	0	36	17
AVERAGE	56.0	69.1	72.2	55.5	14	34	17

* Summary of two conventional tests (Caldwell and Logan counties).

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