

# 2008 Kentucky Small Grain VARIETY PERFORMANCE TEST

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

The 2008 soft red winter wheat growing season ended with Kentucky farmers harvesting 450,000 acres of the 560,000 acres planted for a total production of 32 million bushels of grain. An average yield of 71 bushels per acre was recorded, which tied the 2006 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, seven tests (four conventional tillage and three no-till) were grown at seven locations throughout the state (Table 2). In addition, tests for varietal differences in forage potential and straw yield were conducted at one location.

## Experimental Methods

Eighty 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 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 A) and yields (Bu/A) in Kentucky, 2006-2008.\***

2008		2007		2006	
Harvested	Yield	Harvested	Yield	Harvested	Yield
450	71	240	51	320	71

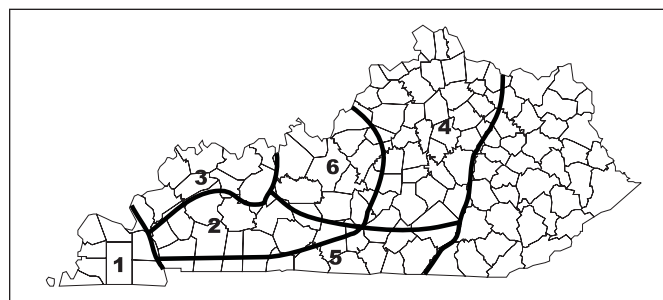
\*July 1, 2008, National Agricultural Statistics Service

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 lb/A (conventional tests) or 40/70 lb/A (no-till).

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

Region	Location	Cooperator	Crop Tested
1. Purchase	Hickman Co.	Curtis Hancock	No-till Wheat
2. Western Coal Field	Caldwell Co.	Princeton Research and Education Ctr.	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. Christian Co.	Don Halcomb Wayne & Steve Hunt	Wheat* Wheat*
6. North Central	Larue Co.	Ryan Bivens	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. Winter grazing potential was determined using a rising plate pasture meter. 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 a GAC 2100b. 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 (leaf blotch complex) were recorded from the Logan county (non-fungicide) test, 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 multi-year average of another variety, because it is possible that results in one of the other years were extremely good or poor and, thus, not comparable.

The yield of a variety is relative and should be compared with the yields of the other varieties in the same experiment and at the same location or within the same analysis across locations. Small differences in yield of only a few bushels per acre between two varieties from an individual test should not be interpreted to indicate the superiority of one variety over another. However, if one variety consistently out-yields another over a period of several years, the chances are that the differences are real. LSD (least significant difference) values are listed at the bottom of table columns to indicate whether differences are statistically significant.

Lodging data are 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

equipment, almost all of the grain can often be saved. With the exception of the Logan County test, lodging in 2008 was minimal.

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 13 and 14.

## Test Conditions

Dry, warm weather during early to mid-October facilitated timely planting of Kentucky's 2008 wheat crop. Wet weather in mid- to late October delayed some planting until late October/early November. The 2008 small grain variety tests were planted between October 11 and November 9. Cool temperatures during January and February limited early growth and development. Overall, insect and disease pressure were low, although leaf blotch complex and hessian fly were observed in parts of west Kentucky. Mild temperatures during May with below/moderate rainfall provided good conditions for grain fill. Normal conditions during June favored timely harvest and decent grain quality.

## Acknowledgments

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## Wheat Varieties Tested in 2008

### Agripro COKER, Syngenta Seeds

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

Agripro COKER 9511  
Agripro COKER Branson  
Agripro COKER W1377

### Beck's Hybrids

6767 E. 276th  
Atlanta, IN 46031

Beck 117  
Beck 122  
Beck 164

### Cash River Valley Seed, LLC

P.O. Box 10 Hwy 226 E.  
Cash, AR 72421

Dixie 907  
Dixie 989

### Crop Production Services

P.O. Box 1467  
Galesburg, IL 61402

Vigoro V9710  
Vigoro V9712  
Vigoro V9812

### Cullum Seeds

PO Box 178  
Fisher, AR 72429

ARMOR 9901  
Delta King 7710  
Delta King 9108  
Delta King 9577

### Delta Grow Seed

PO Box 219 / 220 NW 2nd.  
England, AR 72046

Delta Grow 1600  
Delta Grow 4500  
Delta Grow 5200  
Delta Grow 7400

### Ebberts Field Seed

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

Ebberts 570  
Ebberts 575

### Excel Seed

257 E. Hail St.  
Bushnell, IL 61422

Excel 343  
Excel 345  
Excel 357

### Foundation Seed Project

University of Kentucky  
PO Box 11950  
Lexington, KY 40579

Cumberland  
KY96C-0769-7-3  
KY96C-0786-3-2  
KY97C-0321-02-01  
KY97C-0321-05-2  
KY97C-0508-01-01A-1  
KY97C-0519-04-07  
KY97C-0540-01-03  
KY97C-0546-20-05  
KY97C-0574-01-04  
KY99C-1051-03-1

### Kentucky Small Grain Growers Association

PO Box 90  
Eastwood, KY 40018

Pembroke

### MD Crop Improvement

28564 Gilnock Rd.  
Easton, MD 21601

Chesapeake

### Michigan Crop Improvement

PO Box 21008  
Lansing, MI 48909

Red Ruby

### Miles Seed

Miles Farm Supply  
PO Box 22879  
Owensboro, KY 42304

Exsegen Candace  
Exsegen Dinah  
Exsegen Hannah  
Exsegen Lydia

### Pioneer Hi-Bred Intl.

7501 S. Memorial Pkwy, 205  
Huntsville, AL 35802

Pioneer variety 25R35  
Pioneer variety 25R37  
Pioneer variety 25R54  
Pioneer variety 25R63  
Pioneer variety 26R15  
Pioneer variety 26R22  
Pioneer variety 26R87

### Progeny AG Products

1529 Hwy 193  
Wynne, AR 72396

PROGENY 117  
PROGENY 122  
PROGENY 127  
PROGENY 145  
PROGENY 166  
PROGENY 185

### Seed Consultants, Inc.

PO Box 370  
Washington Court House, OH  
43160

SC 1298  
SC 1318  
SC 1325  
SC 1337  
SC 1339  
SC 1348

### Southern States Coop.

PO Box 26234  
Richmond, VA 23260

SS 520  
SS 548  
SS 560  
SS 8302  
SS 8309  
SS 8404  
SS 8641  
SS MPV-57

### Steyer Seeds

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

Fatzinger  
EXP 703

### UniSouth Genetics

2640-C Nolensville Rd.  
Nashville, TN 37211

USG 3350  
USG 3633  
USG 3860

### University of Missouri

Columbia, MO 65211

Bess  
MO 011126  
Truman

### Virginia Tech

PO Box 338  
Warsaw, VA 22572

VA 01W-205  
VA 03W-409

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**Table 3. 2008 Kentucky Wheat Test—Overall State Summary.\***

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%)	Height (In)	Heading Date > April 1
	2008	2006, 2008*	2008	2006, 2008*	2008	2008	2008
SS MPV-57	92.7	96.8	58.5	58.4	10	38	37
SS 560	91.8	95.6	57.0	57.2	7	34	37
SC 1339	91.3		56.7		4	38	36
SS 548	91.0		57.6		5	36	37
AgriPro COKER Branson	90.6	96.7	58.3	58.3	0	36	35
Exsegen Dinah	90.6		59.8		3	37	36
Pioneer variety 25R63	90.4		58.9		5	36	37
SC 1348	90.4		57.7		6	40	37
Dixie 907	90.1		57.9		4	41	37
PROGENY 166	90.0		57.6		4	40	36
Delta Grow 5200	90.0		57.8		4	40	37
Delta King 9577	89.4	92.4	57.7	57.3	5	37	36
USG 3350	89.2	91.5	58.0	57.8	2	41	36
KY 97C-0519-04-07	88.9		56.7		3	35	40
Delta King 9108	88.8		58.5		4	39	34
Delta Grow 1600	88.8	91.7	56.7	57.0	3	36	37
SC 1318	88.7		56.5		8	36	37
USG 3633	88.7		59.0		4	38	34
Pembroke	88.6	93.3	59.9	59.3	6	36	36
SS 8302	88.6	92.2	59.8	58.9	6	36	37
Dixie 989	88.6		56.9		1	37	37
PROGENY 117	88.3		58.7		12	39	34
Exsegen Lydia	88.0	89.7	59.8	58.9	12	36	36
Pioneer variety 26R15	87.7	93.3	59.1	58.7	2	36	37
PROGENY 145	87.6		58.1		3	41	35
KY 96C-0786-3-2	87.1	93.1	59.2	59.4	1	35	37
Pioneer variety 25R35	86.8		59.9		0	37	39
Delta King 7710	86.7	89.2	59.1	59.2	4	40	38
Chesapeake	86.6	89.1	59.3	59.5	8	35	35
VA 03W-409	86.4		57.3		0	33	38
Beck 164	86.3		57.6		9	37	39
EXCEL 345	86.0		58.7		8	39	39
VA 01W-205	86.0		59.1		6	32	35
SS 8641	86.0		58.0		9	36	37
Delta Grow 4500	85.9		58.6		4	40	37
SS 8404	85.8	85.9	61.0	60.4	5	32	36
PROGENY 122	85.8		58.0		11	39	39
Vigoro V9710	85.7		58.1		1	33	34
Bess	85.4		59.5		2	38	37
Steyer Fatzinger	85.4		57.4		1	40	35
PROGENY 185	85.4		57.6		0	36	35
Truman	85.1		58.8		2	41	43
Vigoro V9812	85.0		56.8		3	35	37
SC 1337	84.9		58.9		5	39	36
Beck 122	84.9	91.4	57.5	57.6	1	39	35
KY 97C-0321-02-01	84.6		58.0		2	35	39
Pioneer variety 25R54	84.6	90.1	59.0	58.5	6	36	37
Ebberts 575	84.2		58.7		10	41	38
Beck 117	84.1	87.4	59.7	59.8	6	38	35
KY 97C-0321-05-2	83.8		56.7		3	37	40
SC 1298	83.8		57.6		2	40	35
Exsegen Candace	83.6		57.8		5	40	35
Pioneer variety 26R22	83.6	91.3	58.9	58.5	3	36	37
Exsegen Hannah	83.4		58.9		8	39	37
ARMOR 9901	83.3		59.9		4	35	34
Pioneer variety 26R87	83.2	87.4	62.4	61.7	10	35	33
AgriPro COKER W1377	83.1		60.7		4	37	38
KY 97C-0546-20-05	83.0		57.1		5	36	38
KY 97C-0574-01-04	82.9		58.5		4	35	38
Pioneer variety 25R37	82.8	92.2	59.5	59.6	2	35	37
KY 99C-1051-03-1	82.8		59.2		2	36	38
EXCEL 357	82.6		58.5		0	37	37
Ebberts 570	82.6		58.0		2	40	35
KY 97C-0508-01-01A-1	82.4		59.7		5	35	36
Red Ruby	82.2		59.4		1	36	38
Vigoro V9712	81.9		59.1		6	35	37
EXCEL 343	81.8		58.5		0	36	38
Cumberland	81.5	85.1	58.7	58.2	8	36	35
KY 97C-0540-01-03	81.3		58.3		9	35	38
KY 96C-0769-7-3	81.2		59.9		4	34	37
Clark	80.8	81.4	59.0	58.6	2	39	34
AgriPro COKER 9511	80.7	86.0	60.5	60.4	1	39	34
Steyer EXP 703	80.3		57.4		7	35	39
SC 1325	80.1		60.1		5	38	36
PROGENY 127	78.5		58.1		3	38	39
MO 011126	78.5		59.4		3	36	38
USG 3860	78.1		56.6		4	35	39
SS 8309	77.8	86.5	58.5	58.7	0	37	38
Delta Grow 7400	77.3		58.9		0	39	38
SS 520	75.5	85.1	58.2	57.8	1	36	38
<b>AVERAGE</b>	<b>85.2</b>	<b>90.2</b>	<b>58.5</b>	<b>58.8</b>	<b>4</b>	<b>37</b>	<b>37</b>
C.V.	7.9	9.4					
LSD (0.05)	4.2	6.1					

\* Summary of seven tests—three no-till (Hickman, Caldwell, LaRue counties), and four conventional (Webster, Fayette, Logan, Christian counties) tests.  
2008 Logan and Christian data omitted from yield, test weight, and height summary—due to high variability.

**Table 4. 2008 Kentucky Wheat Forage Test.**

Variety	DM Yield* at Heading Tons/A			Winter Grazing** Productivity Index (%)			Head Type
	2008	2007-08	2006-08	2008	2007-08	2006-08	
Red Ruby	3.40	2.80		84	82		Bearded
KY 97C-0321-02-01	3.40	2.81		93	82		Smooth
KY 97C-0540-01-03	3.40			96			Bearded
AgriPro COKER W1377	3.38	2.90		102	105		Smooth
Dixie 907	3.30			100			Smooth
KY 97C-0519-04-07	3.27	2.73		104	103		Smooth
EXCEL 357	3.23			81			Smooth
PROGENY 122	3.22			93			Smooth
SC 1348	3.20			112			Smooth
SS 8302	3.19	2.64	3.06	105	102	106	Bearded
EXCEL 345	3.19			82			Smooth
KY 96C-0786-3-2	3.18	2.65	3.00	126	110	101	Bearded
Delta Grow 4500	3.17	2.54		89	97		Tip-Awned
PROGENY 127	3.14			80			Smooth
Pioneer variety 25R37	3.13		3.73	94		107	Smooth
SS 8404	3.10	2.59	2.80	129	115	115	Bearded
SS MPV-57	3.10	2.67	3.14	104	107	120	Smooth
Vigoro V9812	3.10			93			Smooth
SS 8309	3.09	2.55	2.96	85	83	79	Smooth
MO 011126	3.09	2.61		90	87		Bearded
Exsegen Dinah	3.06	2.69		91	95		Smooth
Delta Grow 1600	3.04	2.76	3.16	86	93	96	Smooth
Truman	2.98	2.38		94	85		Smooth
Delta Grow 5200	2.98	2.45		101	104		Smooth
EXCEL 343	2.98			87			Smooth
KY 97C-0546-20-05	2.97	2.47		108	111		Smooth
SC 1337	2.96			117			Tip-Awned
KY 96C-0769-7-3	2.95	2.34		101	100		Bearded
SS 548	2.94			118			Smooth
KY 97C-0574-01-04	2.91	2.47		76	92		Bearded
USG 3860	2.91			80			Smooth
Cumberland	2.90	2.48	2.89	94	95	103	Bearded
Vigoro V9710	2.87	2.44		75	79		Smooth
Dixie 989	2.87	2.56		99	101		Smooth
PROGENY 117	2.87			135			Tip-Awned
USG 3350	2.86	2.44	2.76	132	116	106	Tip-Awned
Ebberts 570	2.86	2.60		87	94		Smooth
KY 97C-0321-05-2	2.86			72			Smooth
SS 560	2.85	2.38	2.67	128	115	119	Smooth
Pioneer variety 25R35	2.84			99			Bearded
SC 1318	2.84			117			Smooth
Chesapeake	2.83	2.17	2.55	139	123	113	Smooth
PROGENY 166	2.83			98			Tip-Awned
VA 03W-409	2.83			100			Tip-Awned
Pioneer variety 26R15	2.82	2.55	2.97	110	105	102	Bearded
AgriPro COKER Branson	2.82	2.34	2.68	91	93	100	Smooth
KY 97C-0508-01-01A-1	2.81			110			Bearded
Beck 122	2.80	2.41	2.69	73	70	71	Smooth
Clark	2.79	2.53	3.08	86	96	101	Smooth
Pioneer variety 26R22	2.79	2.40	2.93	57	73	76	Bearded
Vigoro V9712	2.79	2.42		82	88		Smooth
Bess	2.78	2.36		96	88		Smooth
SS 8641	2.78			148			Smooth
Exsegen Lydia	2.77	2.40	2.97	116	111	111	Bearded
Delta Grow 7400	2.77			83			Smooth
SS 520	2.76	2.24	2.86	62	84	103	Smooth
Delta King 9577	2.76	2.34	2.79	120	113	106	Smooth
Pioneer variety 25R54	2.74	2.42	2.92	107	99	100	Bearded
KY 99C-1051-03-1	2.74			90			Bearded
Delta King 7710	2.71	2.34	2.67	93	93	90	Smooth
Beck 117	2.70	2.20	2.57	84	85	76	Smooth
Pembroke	2.70	2.32	2.91	143	138	133	Bearded
Steyer Fatzinger	2.70	2.41		97	95		Smooth
ARMOR 9901	2.66			101			Smooth
Steyer EXP 703	2.66			82			Smooth
SC 1339	2.63			103			Smooth
SC 1325	2.61			110			Tip-Awned
Ebberts 575	2.58	2.35		103	93		Smooth
Exsegen Candace	2.57			90			Smooth
Delta King 9108	2.55			125			Smooth
VA 01W-205	2.55			139			Tip-Awned
Exsegen Hannah	2.54			101			Tip-Awned
SC 1298	2.54			84			Smooth
AgriPro COKER 9511	2.53	2.32	2.65	103	99	103	Smooth
Pioneer variety 26R87	2.47	2.08	2.37	152	127	126	Bearded
Beck 164	2.45			100			Smooth
Pioneer variety 25R63	2.44	2.18		104	100		Bearded
PROGENY 145	2.43			94			Tip-Awned
USG 3633	2.39			89			Smooth
PROGENY 185	2.35			70			Tip-Awned
<b>AVERAGE</b>	<b>2.87</b>	<b>2.47</b>	<b>2.87</b>	<b>100</b>	<b>98</b>	<b>103</b>	
C.V.	11.1	11.6	12.9	21	20	19	
LSD (0.05)	0.4	0.3	0.3	28	19	15	

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

Planting date: 10-30-07; \*Dry Matter Yield—Harvest date: 5-20-08.

\*\*Estimate of winter (pre green-up grazing potential (100=average); data recorded 3-17-08 at Princeton, KY using plate pasture meter.

**Table 5. 2008 Kentucky Wheat Straw Test.**

Variety	DM Yield* (Tons/A)		
	2008	2007-08	2006-08
PROGENY 122	2.04		
USG 3350	2.00	1.83	1.85
Truman	1.92	1.90	
Exsegen Hannah	1.89		
AgriPro COKER 9511	1.87	1.76	1.96
Red Ruby	1.81	1.81	
Delta King 9108	1.81		
KY 97C-0321-05-2	1.79		
PROGENY 166	1.79		
Delta King 7710	1.77	1.71	2.01
Beck 164	1.77		
SC 1337	1.77		
SS 8309	1.76	1.27	1.51
EXCEL 345	1.76		
Delta Grow 4500	1.72	1.54	
PROGENY 145	1.71		
MO 011126	1.70	1.51	
USG 3633	1.69		
AgriPro COKER W1377	1.68	1.53	
Ebberts 570	1.68	1.49	
Pioneer variety 25R35	1.66		
KY 97C-0574-01-04	1.64	1.46	
Dixie 907	1.63		
Delta Grow 7400	1.62		
SS 8641	1.62		
Pioneer variety 25R37	1.61		1.78
AgriPro COKER Branson	1.61	1.34	1.76
Delta King 9577	1.59	1.50	1.84
EXCEL 357	1.59		
Steyer Fatzinger	1.58	1.48	
PROGENY 117	1.58		
Ebberts 575	1.56	1.63	
KY 99C-1051-03-1	1.56		
Dixie 989	1.54	1.30	
Beck 122	1.53	1.46	1.74
KY 97C-0540-01-03	1.53		
Beck 117	1.52	1.45	1.66
SC 1348	1.51		
SS 8302	1.50	1.54	1.96
Exsegen Dinah	1.50	1.33	
SS MPV-57	1.49	1.39	1.63
EXCEL 343	1.49		
SC 1298	1.48		
SS 520	1.47	1.24	1.36
Cumberland	1.46	1.37	1.58
KY 96C-0769-7-3	1.46	1.37	
Pioneer variety 26R22	1.45	1.33	1.67
Pembroke	1.44	1.36	1.64
Pioneer variety 26R15	1.44	1.32	1.70
Delta Grow 5200	1.42	1.33	
Steyer EXP 703	1.42		
KY 97C-0321-02-01	1.40	1.41	
Delta Grow 1600	1.39	1.33	1.48
SC 1325	1.39		
Vigoro V9712	1.38	1.23	
SS 548	1.38		
Bess	1.37	1.37	
Clark	1.36	1.29	1.71
KY 97C-0508-01-01A-1	1.36		
PROGENY 185	1.36		
Chesapeake	1.34	1.18	1.40
VA 03W-409	1.34		
Pioneer variety 25R54	1.33	1.30	1.65
ARMOR 9901	1.32		
SC 1339	1.32		
Vigoro V9710	1.29	1.14	
USG 3860	1.29		
SS 560	1.28	1.17	1.27
Exsegen Candace	1.28		
KY 97C-0546-20-05	1.26	1.12	
KY 97C-0519-04-07	1.23	1.30	
PROGENY 127	1.23		
SC 1318	1.22		
KY 96C-0786-3-2	1.21	1.24	1.60
Pioneer variety 25R63	1.21	1.26	
Vigoro V9812	1.19		
Pioneer variety 26R87	1.17	1.13	1.32
SS 8404	1.16	1.15	1.75
Exsegen Lydia	1.13	1.22	1.47
VA 01W-205	0.88		
<b>AVERAGE</b>	<b>1.51</b>	<b>1.39</b>	<b>1.65</b>
C.V.	18.0	18.8	24.5
LSD (0.05)	0.38	0.26	0.31

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

Planting date: 10-30-07; Harvest date: 6-25-08.

\* Dry Matter straw yield following grain harvest.

**Table 6. 2008 Kentucky Wheat Test—Purchase Region.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (in)	Heading Date > April 1
	2008	2006, 2008*	2008	2006, 2008*	2008	2008
AgriPro COKER Branson	97.3	102.5	58.5	58.8	38	32
KY 97C-0508-01-01A-1	95.8		60.2		37	33
PROGENY 117	95.7		59.1		41	32
Exsegen Lydia	95.1	94.3	59.6	59.2	38	33
Pioneer variety 25R54	93.5	97.0	58.0	58.2	38	34
SS MPV-57	93.4	97.2	59.1	59.6	39	35
VA 01W-205	93.1		59.0		34	33
Pembroke	92.6	96.7	60.4	60.4	36	34
USG 3633	92.5		58.7		38	33
EXCEL 345	92.4		58.2		41	36
KY 99C-1051-03-1	92.3		57.9		37	35
Ebberts 575	92.1		59.5		44	34
USG 3350	91.7	92.1	58.9	59.2	42	33
PROGENY 166	91.3		58.2		43	33
VA 03W-409	90.9		58.2		33	36
Vigoro V9710	90.7		58.1		33	33
Pioneer variety 25R35	90.3		60.4		38	36
Delta King 7710	90.3	93.1	60.3	60.0	42	35
Pioneer variety 26R87	89.5	90.2	62.3	61.8	37	30
Beck 122	89.4	94.6	57.0	57.9	41	32
Delta King 9108	89.2		58.1		39	32
SS 8404	88.5	89.2	60.6	61.1	34	34
SC 1318	88.3		58.0		38	34
SS 560	87.9	94.9	57.0	58.4	35	34
Exsegen Dinah	87.8		60.4		38	34
Delta Grow 1600	87.2	92.9	56.0	57.5	37	34
Steyer Fatzinger	87.0		57.8		42	32
Chesapeake	86.7	92.9	57.9	58.9	36	33
KY 96C-0786-3-2	86.6	94.5	59.9	60.0	35	35
Delta Grow 5200	86.4		59.1		40	34
ARMOR 9901	86.0		60.0		37	32
SS 548	85.9		58.1		39	34
Pioneer variety 25R63	85.6		59.0		37	34
SS 8302	85.5	92.8	60.7	59.0	38	35
SS 8641	85.4		57.7		37	34
Delta King 9577	85.3	89.6	59.5	59.6	39	33
Ebberts 570	85.1		57.9		41	33
KY 96C-0769-7-3	85.0		59.9		35	34
AgriPro COKER W1377	85.0		62.0		39	35
Dixie 989	84.8		58.2		39	35
Exsegen Candace	84.7		57.0		42	32
Beck 117	84.5	89.3	60.1	60.1	40	32
Beck 164	84.3		58.7		37	36
Vigoro V9712	84.3		58.0		36	35
SC 1339	84.2		57.1		41	33
SC 1348	84.0		58.8		41	34
PROGENY 145	84.0		58.8		42	33
SC 1337	83.6		59.6		42	33
Clark	83.5	87.0	58.3	58.9	40	32
Truman	83.4		60.8		41	42
Bess	83.0		60.1		38	33
KY 97C-0540-01-03	83.0		60.2		35	35
Pioneer variety 26R15	82.7	93.4	58.7	58.9	36	34
KY 97C-0574-01-04	82.6		58.0		36	35
SC 1298	82.5		58.0		41	33
USG 3860	82.4		57.8		37	35
Cumberland	82.2	86.3	57.2	58.2	37	33
EXCEL 357	82.0		59.0		39	35
KY 97C-0519-04-07	81.9		58.5		38	36
Delta Grow 4500	81.9		58.6		41	34
PROGENY 122	81.9		59.8		41	36
Dixie 907	81.8		57.0		42	35
KY 97C-0546-20-05	81.7		58.8		36	36
Pioneer variety 25R37	81.7	95.1	60.4	60.7	36	34
MO 011126	81.6		60.7		38	35
Exsegen Hannah	81.5		58.2		41	34
KY 97C-0321-02-01	80.6		59.9		38	36
KY 97C-0321-05-2	80.6		57.9		39	37
PROGENY 185	80.4		58.2		39	33
EXCEL 343	79.6		59.3		37	35
AgriPro COKER 9511	79.2	86.8	60.7	60.5	40	33
Red Ruby	79.1		60.0		37	35
Vigoro V9812	77.9		59.5		36	35
Pioneer variety 26R22	76.6	92.3	59.0	59.5	37	34
SC 1325	75.0		61.7		40	33
Steyer EXP 703	73.6		58.6		36	36
SS 8309	73.0	88.4	60.0	60.7	38	36
Delta Grow 7400	71.9		59.3		40	35
SS 520	70.0	84.1	60.6	59.6	38	36
PROGENY 127	65.7		59.1		40	36
<b>AVERAGE</b>	<b>85.0</b>	<b>92.3</b>	<b>59.0</b>	<b>59.4</b>	<b>38</b>	<b>34</b>
C.V.	9.1	7.4				
LSD (0.05)	10.8	6.4				

Location: 2008 (Hickman Co.), 2006 (Calloway Co.); \*2007 data compromised by freeze.  
 Planting date: 10-31-07; No-Till; Harvest date: 6-20-08; Preceding crop = corn.  
 Winter Survival = 100%; Lodging = 0%.



**Table 7. 2008 Kentucky Wheat Test—Western Coal Field Region.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%) 2008	Height (in) 2008	Heading Date > April 1 2008
	2008	2006, 2008*	2008	2006, 2008*			
SS 548	103.3		57.8		3	37	33
SC 1339	101.2		55.6		0	40	33
SS 560	99.6	95.4	55.7	57.2	0	36	34
Delta King 9577	98.0	97.2	57.6	58.8	0	37	32
PROGENY 122	96.4		56.9		0	41	35
Delta King 9108	96.0		58.3		0	39	30
Delta Grow 5200	95.8		56.3		0	40	34
USG 3633	95.6		57.0		1	39	32
SS MPV-57	95.3	97.5	57.8	58.2	0	38	33
SS 8641	95.2		58.4		0	38	33
Dixie 907	95.0		57.6		0	42	34
Pioneer variety 25R63	94.7		57.4		0	37	33
Exsegen Lydia	94.5	94.0	58.0	58.4	0	37	33
VA 03W-409	94.5		57.1		0	34	35
PROGENY 166	94.5		56.5		0	40	33
SC 1348	93.5		56.0		0	40	34
USG 3350	93.3	92.9	56.6	57.8	1	42	32
AgriPro COKER Branson	92.0	93.2	56.1	58.2	0	37	32
Delta Grow 4500	91.6		57.0		0	41	33
KY 96C-0786-3-2	91.3	92.9	58.9	59.6	0	37	34
SC 1318	90.6		57.3		0	36	34
Delta Grow 1600	90.5	91.4	54.0	56.2	0	36	34
SS 8302	89.8	93.1	58.6	58.7	0	38	33
EXCEL 345	89.8		57.9		5	39	36
PROGENY 145	89.8		56.0		0	41	31
Exsegen Dinah	89.8		57.6		10	38	33
Pioneer variety 26R15	89.8	90.0	58.5	58.3	0	37	33
KY 97C-0508-01-01A-1	89.1		58.3		0	37	33
Steyer Fatzinger	88.7		56.3		0	41	31
Vigoro V9812	88.7		56.3		0	36	34
KY 97C-0519-04-07	88.6		56.9		0	36	37
SC 1337	88.1		57.6		1	41	33
Beck 117	87.8	89.1	58.5	59.7	0	39	31
Dixie 989	87.6		56.1		0	37	34
SC 1325	87.5		57.5		15	41	31
Ebberts 575	87.3		57.7		5	43	35
Exsegen Hannah	87.2		57.7		0	40	33
Pioneer variety 26R87	87.1	87.3	61.9	60.4	0	37	29
SC 1298	86.7		56.4		0	41	32
SS 8404	86.5	89.2	58.5	60.2	0	34	33
Pembroke	86.5	90.0	58.5	58.1	0	38	32
PROGENY 117	86.4		56.8		5	41	29
Beck 122	86.2	92.5	56.1	57.7	0	41	32
Chesapeake	86.2	87.3	58.7	59.7	3	36	32
Pioneer variety 25R54	86.1	91.2	57.4	58.3	1	39	34
KY 97C-0546-20-05	85.5		54.9		0	38	35
VA 01W-205	84.9		57.2		0	33	33
EXCEL 357	84.0		54.0		0	38	34
Exsegen Candace	83.8		57.0		5	40	32
Vigoro V9710	83.6		54.7		5	34	31
AgriPro COKER W1377	83.5		59.4		10	38	35
Beck 164	83.5		56.9		5	38	37
Pioneer variety 25R35	83.3		58.3		0	38	37
AgriPro COKER 9511	82.9	82.9	58.2	59.8	3	39	30
EXCEL 343	82.3		56.1		0	37	35
Bess	82.2		58.3		0	38	34
Ebberts 570	82.0		57.3		0	41	32
Truman	81.9		57.8		0	41	40
Pioneer variety 26R22	81.4	93.1	58.1	58.4	0	37	34
Steyer EXP 703	81.3		56.5		0	35	37
Vigoro V9712	81.3		57.5		0	34	34
Cumberland	80.8	82.5	57.0	58.2	0	37	32
Delta King 7710	80.8	88.8	56.9	58.7	0	41	35
PROGENY 185	80.8		55.4		0	35	33
Pioneer variety 25R37	80.7	89.8	59.5	59.2	0	36	34
Clark	79.5	83.8	58.1	58.9	0	39	32
ARMOR 9901	79.5		58.2		0	36	31
KY 97C-0574-01-04	79.3		58.3		0	36	35
KY 97C-0321-05-2	79.3		57.9		0	39	38
Red Ruby	78.7		58.9		0	37	34
KY 99C-1051-03-1	77.8		57.7		0	37	35
KY 96C-0769-7-3	77.7		58.9		0	34	34
PROGENY 127	77.5		55.0		0	38	36
KY 97C-0540-01-03	76.2		59.2		0	37	35
KY 97C-0321-02-01	75.5		57.6		0	36	37
SS 520	72.5	84.6	58.1	57.9	0	37	35
SS 8309	72.2	81.7	58.8	59.6	0	38	35
Delta Grow 7400	72.2		58.7		0	39	36
USG 3860	71.5		54.7		0	35	37
MO 011126	70.0		57.5		0	39	34
<b>AVERAGE</b>	<b>86.3</b>	<b>90.1</b>	<b>57.4</b>	<b>58.6</b>	<b>1</b>	<b>38</b>	<b>34</b>
C.V.	7.4	7.2					
LSD (0.05)	8.9	6.2					

Location: Caldwell Co.; \*2007 data compromised by freeze.  
 Planting date: 10-11-07; No-Till; Harvest date: 6-23-08; Preceding crop = soybean.  
 Winter Survival = 100%.

**Table 8. 2008 Kentucky Wheat Test—Ohio Valley Region.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%) 2008	Height (in) 2008	Heading Date > April 1 2008
	2008	2006, 2008*	2008	2006, 2008*			
Dixie 907	102.5		57.4		0	41	38
Dixie 989	100.9		56.2		0	37	38
SC 1348	100.0		57.8		0	40	38
Pioneer variety 25R63	99.5		58.3		0	36	37
Delta Grow 1600	99.5	99.5	58.2	57.5	1	37	38
Bess	99.1		58.8		0	37	38
AgriPro COKER Branson	98.4	104.2	58.1	58.0	0	35	36
Exsegen Dinah	97.9		60.6		0	38	37
Pembroke	97.5	103.1	60.0	59.2	0	37	36
Delta Grow 5200	97.5		58.9		0	40	38
SC 1339	96.7		56.6		0	37	37
PROGENY 185	96.3		58.0		0	37	35
Pioneer variety 26R15	96.3	99.6	58.3	58.0	0	36	38
SS 8302	96.2	96.5	59.8	59.0	0	36	37
Ebberts 570	95.7		57.5		0	40	36
PROGENY 166	95.6		56.9		0	40	37
PROGENY 122	95.4		58.7		1	39	40
Beck 164	95.4		58.3		0	38	39
Exsegen Lydia	95.3	89.9	58.9	58.1	6	36	37
SS MPV-57	95.3	96.3	57.8	57.3	0	38	38
SC 1318	95.2		55.7		0	36	38
SC 1337	95.2		58.7		0	40	37
SS 560	95.1	102.5	57.4	57.0	0	34	37
Exsegen Candace	95.0		57.9		0	41	35
USG 3350	94.9	100.2	57.7	57.2	0	41	37
SC 1298	94.6		57.5		0	41	36
PROGENY 145	94.4		57.8		0	41	35
KY 97C-0321-05-2	94.3		55.9		0	37	41
Delta King 7710	94.0	95.9	58.9	58.9	0	40	38
Chesapeake	93.4	93.3	58.9	59.2	0	34	36
Pioneer variety 25R35	93.3		59.5		0	38	39
Delta King 9577	93.2	93.7	56.4	56.5	0	36	38
Steyer Fatzinger	93.0		56.9		0	39	36
KY 97C-0546-20-05	92.7		57.5		0	36	38
KY 97C-0519-04-07	92.5		56.5		0	35	40
KY 97C-0321-02-01	92.5		56.7		0	36	40
ARMOR 9901	92.4		59.6		0	33	34
Truman	92.3		59.0		0	41	43
SS 548	92.0		56.4		0	36	38
Delta King 9108	91.4		58.1		0	40	35
AgriPro COKER W1377	91.3		61.3		0	37	39
PROGENY 117	91.1		58.0		0	40	35
Pioneer variety 26R22	90.7	92.9	58.5	58.0	0	37	37
KY 96C-0786-3-2	90.7	94.5	58.6	58.8	0	36	38
Beck 122	90.6	96.7	57.8	57.7	0	40	35
VA 01W-205	90.6		58.4		0	31	36
PROGENY 127	90.6		58.6		0	38	39
EXCEL 343	90.4		58.4		0	38	40
Delta Grow 4500	90.2		58.9		0	40	37
Vigoro V9812	90.1		55.6		0	36	38
Vigoro V9710	90.0		58.2		0	33	34
Red Ruby	89.9		58.5		0	37	38
KY 99C-1051-03-1	89.8		59.5		0	36	39
Vigoro V9712	89.6		59.4		0	36	38
KY 97C-0574-01-04	89.4		59.6		0	36	37
Pioneer variety 25R54	89.2	95.1	58.4	57.6	0	36	37
Pioneer variety 25R37	89.2	91.0	58.7	58.6	0	35	38
SS 8404	88.7	87.9	60.7	60.2	0	32	37
SS 8641	88.5		55.8		0	38	38
EXCEL 345	88.1		58.7		0	40	40
VA 03W-409	87.9		57.5		0	33	39
Beck 117	87.7	91.1	59.0	59.7	0	38	36
USG 3633	87.2		58.4		0	37	35
Clark	87.1	85.5	59.1	58.5	0	39	35
KY 96C-0769-7-3	86.8		59.9		0	34	38
Exsegen Hannah	86.6		59.0		0	39	37
Pioneer variety 26R87	86.0	88.3	61.9	61.2	0	34	33
EXCEL 357	85.9		58.3		0	37	39
SS 520	85.6	91.1	57.7	57.3	0	37	39
AgriPro COKER 9511	84.7	91.9	59.4	60.3	0	39	36
SC 1325	84.6		59.0		0	38	37
SS 8309	84.5	89.6	58.7	58.3	0	37	38
Ebberts 575	83.1		58.4		0	41	39
KY 97C-0540-01-03	82.0		58.8		0	36	38
Cumberland	81.6	84.5	59.1	57.5	0	36	36
Delta Grow 7400	80.9		60.3		0	39	39
MO 011126	79.3		60.1		0	37	39
USG 3860	79.1		55.5		0	36	40
Steyer EXP 703	78.4		56.3		0	35	39
KY 97C-0508-01-01A-1	73.9		58.5		0	36	37
<b>AVERAGE</b>	<b>91.2</b>	<b>94.2</b>	<b>58.3</b>	<b>58.4</b>	<b>0</b>	<b>37</b>	<b>37</b>
C.V.	7.4	7.0					
LSD (0.05)	9.4	6.4					

Location: Webster Co.; \*2007 data compromised by freeze.  
 Planting date: 10-17-07; Conventional tillage; Harvest date: 6-23-08; Preceding crop = corn.  
 Winter Survival = 100%.

**Table 9. 2008 Kentucky Wheat Test—Bluegrass Region.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (In) 2008	Heading Date > April 1 2008
	2008	2006, 2008*	2008	2006, 2008*		
KY 97C-0519-04-07	87.7		57.4		32	46
SS 560	86.0	100.4	56.9	56.4	32	43
KY 97C-0321-02-01	83.1		58.7		32	45
Steyer EXP 703	82.9		56.8		33	45
Pioneer variety 25R63	82.7		59.8		33	43
SC 1318	82.5		56.0		33	43
SS 548	82.4		55.2		34	43
Beck 164	82.1		58.0		36	45
SC 1348	82.0		58.0		38	43
SC 1339	82.0		57.0		35	41
SS MPV-57	81.7	102.0	58.1	59.5	35	43
Truman	81.6		58.5		40	50
Exsegen Dinah	81.3		60.2		35	41
Pioneer variety 25R35	80.9		60.8		34	45
Delta Grow 5200	80.8		56.6		38	43
SS 8302	80.4	91.0	60.7	59.7	34	44
Pioneer variety 26R15	80.3	96.6	59.5	59.0	34	43
KY 97C-0321-05-2	80.3		57.7		34	47
AgriPro COKER Branson	80.2	96.3	59.6	58.4	35	39
KY 96C-0786-3-2	79.9	93.4	60.1	60.0	34	42
EXCEL 357	79.8		60.4		36	43
Pioneer variety 26R22	79.4	93.7	59.8	59.2	35	42
USG 3860	79.1		56.3		33	45
PROGENY 127	78.9		59.7		35	46
Bess	78.7		60.2		37	42
Pembroke	78.5	95.9	61.2	60.8	34	42
KY 97C-0574-01-04	78.5		60.5		33	44
SS 8641	78.4		57.7		34	44
Delta Grow 7400	78.0		58.5		38	44
Delta King 9577	78.0	89.9	58.0	57.0	34	42
PROGENY 145	77.8		59.4		38	40
Dixie 907	77.6		58.3		38	42
Delta King 9108	77.6		59.1		38	40
MO 011126	77.4		61.6		33	46
EXCEL 345	77.4		59.3		36	46
Chesapeake	77.3	95.1	60.6	60.9	34	41
Dixie 989	77.3		55.0		33	43
USG 3350	77.3	85.0	58.7	57.1	39	42
Delta King 7710	77.3	86.5	59.7	59.4	37	43
ARMOR 9901	77.3		60.5		34	38
SS 8309	77.2	90.6	58.9	58.8	35	45
AgriPro COKER W1377	77.2		61.4		36	45
Pioneer variety 25R37	77.0	97.6	60.0	60.5	33	42
Delta Grow 1600	77.0	94.2	55.0	55.1	33	44
PROGENY 166	77.0		58.7		38	41
PROGENY 122	76.9		58.8		38	46
KY 97C-0540-01-03	76.7		58.8		33	45
Vigoro V9812	76.7		56.0		33	44
Vigoro V9710	76.2		59.1		32	38
AgriPro COKER 9511	76.1	89.6	62.8	61.5	37	40
Delta Grow 4500	76.1		58.5		39	42
Vigoro V9712	75.8		60.1		33	43
EXCEL 343	75.7		59.4		34	44
Cumberland	75.5	87.0	60.3	58.0	33	41
PROGENY 185	75.5		58.3		34	40
SS 8404	74.9	74.6	62.4	60.5	31	42
VA 03W-409	74.6		57.8		31	46
USG 3633	74.5		59.8		36	39
VA 01W-205	74.5		60.3		30	42
PROGENY 117	74.5		59.7		37	39
Beck 117	74.3	88.0	60.6	60.7	35	40
SC 1337	73.8		58.7		37	41
Beck 122	72.7	91.6	58.1	57.6	38	40
SS 520	72.6	94.7	57.0	58.2	34	45
KY 97C-0546-20-05	72.6		58.5		32	45
Exsegen Hannah	72.4		59.7		37	42
Steyer Fatzinger	72.3		57.4		38	40
Ebberts 575	72.1		57.4		38	45
Red Ruby	71.8		59.2		35	44
KY 99C-1051-03-1	71.8		60.8		33	45
Exsegen Candace	71.6		58.0		38	40
Pioneer variety 25R54	71.5	91.9	60.2	59.5	35	42
KY 96C-0769-7-3	71.2		60.7		32	43
Exsegen Lydia	70.8	86.0	60.5	58.6	33	42
KY 97C-0508-01-01A-1	70.3		60.7		32	41
Clark	69.6	75.3	59.4	58.3	36	39
Ebberts 570	69.4		58.1		37	41
SC 1298	69.2		57.5		38	40
Pioneer variety 26R87	67.3	88.3	62.9	62.7	32	38
SC 1325	65.2		60.7		35	40
<b>AVERAGE</b>	<b>76.8</b>	<b>91.0</b>	<b>59.0</b>	<b>59.1</b>	<b>35</b>	<b>43</b>
C.V.	7.6	8.4				
LSD (0.05)	8.1	6.9				

Location: Fayette Co.; No fungicides applied; \*2007 data compromised by freeze.  
 Planting date: 10-30-07; Conventional tillage; Harvest date: 6-25-08; Preceding crop = corn.  
 Winter Survival = 100%; Lodging = 0%.

**Table 10. 2008 Kentucky Wheat Test—Southern Tier Region A.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Lodging (%) 2008	Height (In) 2008	Heading Date > April 1 2008	Leaf Blotch Rating
	2008	2006, 2008*	2008	2006, 2008*				
EXCEL 357	102.9		58.4		1	44	30	3.8
USG 3860	102.1		57.8		25	41	31	4.2
VA 03W-409	101.4		56.0		1	36	31	3.8
Pioneer variety 25R35	101.3		57.4		1	40	33	3.0
Beck 122	100.6	93.8	55.7	56.9	8	44	29	5.2
AgriPro COKER 9511	100.2	92.7	59.3	60.2	6	41	27	3.0
PROGENY 185	99.9		57.6		3	41	29	5.8
Dixie 989	98.9		55.4		8	42	30	5.0
Pioneer variety 25R37	97.6	97.4	58.2	59.0	14	39	30	4.5
Steyer Fatzinger	97.3		57.1		4	44	29	5.0
SC 1298	97.3		56.2		15	46	29	4.0
AgriPro COKER W1377	96.9		60.1		21	41	31	3.2
Exsegen Dinah	96.1		58.9		11	42	30	4.0
KY 97C-0574-01-04	95.8		56.6		29	42	30	6.5
USG 3633	95.2		58.6		26	44	29	4.5
Vigoro V9812	95.1		54.0		24	42	30	6.0
Delta Grow 7400	94.5		59.0		3	45	32	3.5
MO 011126	93.8		58.5		23	42	30	6.2
Exsegen Candace	92.9		56.6		33	45	28	5.0
SS 8302	92.4	90.6	58.7	58.3	44	42	30	6.0
KY 97C-0519-04-07	91.6		54.0		21	39	32	6.2
EXCEL 343	91.5		55.8		1	40	32	5.0
SC 1339	91.3		54.7		28	43	30	5.2
Delta King 9577	90.2	91.8	57.0	56.8	38	41	29	6.8
AgriPro COKER Branson	89.5	91.7	55.3	57.1	3	39	30	5.2
Truman	89.5		57.4		13	44	35	3.8
Pioneer variety 26R22	89.5	84.7	54.8	56.4	23	43	29	6.5
Ebberts 570	89.1		56.3		13	45	29	3.8
SS 548	88.6		55.7		34	41	29	6.5
Steyer EXP 703	88.3		54.6		50	39	31	4.0
Delta Grow 1600	87.3	88.4	57.0	57.6	19	41	30	5.8
KY 97C-0321-05-2	87.2		56.3		18	42	33	5.2
Pioneer variety 26R15	86.6	87.7	55.8	57.1	14	42	29	5.8
Bess	86.3		60.0		13	41	29	4.8
SC 1318	86.2		54.4		58	42	29	6.2
Dixie 907	85.7		55.1		25	44	31	6.2
KY 96C-0786-3-2	85.4	91.3	59.5	59.9	10	40	31	6.2
Vigoro V9712	85.3		56.2		41	40	31	4.2
ARMOR 9901	85.1		58.1		31	40	28	4.2
Pioneer variety 25R54	85.0	85.4	55.8	56.9	43	42	29	7.2
Exsegen Lydia	85.0	83.5	56.5	57.4	78	40	29	7.0
SC 1325	84.2		58.3		20	41	30	4.5
Delta Grow 4500	83.5		56.1		31	46	30	5.8
EXCEL 345	82.7		56.6		50	42	32	3.8
Delta King 9108	82.4		55.4		31	43	27	5.5
SC 1337	82.1		56.4		33	43	31	4.2
Red Ruby	81.9		55.3		4	42	30	7.2
Delta King 7710	81.8	88.0	58.2	59.0	25	45	31	6.5
Clark	81.5	79.3	56.6	57.8	15	41	29	5.0
Cumberland	81.5	84.3	56.7	58.2	55	39	28	5.8
KY 99C-1051-03-1	80.8		55.2		16	41	31	6.8
SS 8309	79.8	81.2	55.1	56.8	1	42	31	5.8
Delta Grow 5200	79.7		56.4		25	43	31	7.0
PROGENY 117	79.7		58.4		80	43	27	6.0
KY 97C-0508-01-01A-1	79.7		57.6		38	40	30	5.0
Beck 117	79.5	80.1	58.5	59.0	39	40	30	5.5
PROGENY 166	79.4		55.7		25	44	30	8.2
USG 3350	78.6	81.6	56.7	57.3	10	44	30	6.8
KY 96C-0769-7-3	78.6		57.7		26	40	30	6.5
PROGENY 127	78.6		54.4		19	42	32	5.0
KY 97C-0540-01-03	78.2		56.7		60	42	31	5.8
SS 8641	78.0		54.2		65	39	29	6.8
KY 97C-0546-20-05	78.0		55.9		38	42	31	5.8
Pembroke	77.8	82.1	57.4	58.3	39	42	28	8.5
Exsegen Hannah	77.4		57.2		53	43	31	4.5
KY 97C-0321-02-01	77.3		56.3		15	42	33	6.0
VA 01W-205	77.2		57.8		40	35	29	7.2
SC 1348	76.9		54.1		43	44	32	6.8
SS 520	76.8	80.0	54.4	56.4	5	41	31	6.0
Vigoro V9710	76.3		54.2		3	36	29	5.5
PROGENY 145	75.7		57.0		24	46	29	7.2
SS 560	75.2	82.7	54.8	56.0	49	39	29	7.5
Pioneer variety 25R63	74.9		55.7		33	40	30	6.8
PROGENY 122	73.4		54.3		78	43	32	4.5
Ebberts 575	73.3		58.8		68	48	32	3.5
Pioneer variety 26R87	72.6	82.0	57.6	60.3	68	37	27	7.2
Chesapeake	69.6	76.0	58.0	59.2	51	38	29	8.0
Beck 164	64.1		54.5		56	41	32	5.8
SS MPV-57	62.8	83.3	57.0	57.4	73	40	29	7.5
SS 8404	61.8		56.4	58.6	34	37	28	8.0
<b>AVERAGE</b>	<b>85.1</b>	<b>85.3</b>	<b>56.6</b>	<b>57.9</b>	<b>29</b>	<b>42</b>	<b>30</b>	<b>5.6</b>
C.V.	14.0	11.9						
LSD (0.05)	16.6	10.1						

**NOTE: Data variable—Not recommended for variety selection—Test had severe lodging; BYDV; and Septoria.**

Location: Logan Co.; No fungicides applied; \*2007 data compromised by freeze.

Planting date: 10-16-07; Conventional tillage; Harvest date: 6-20-08; Preceding crop = corn.

Leaf Blotch Complex— ~80% Septoria tritici and 20% Stagonospora nodorum—Rating (1=excellent, 9=poor).

**Table 11. 2008 Kentucky Wheat Test—Southern Tier Region B.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (in) 2008	Heading Date > April 1 2008
	2008	2006, 2008*	2008	2006, 2008*		
Pioneer variety 25R63	86.2		55.8		38	37
Bess	84.2		59.6		39	37
SS 560	83.2	94.5	57.0	57.0	35	38
Pioneer variety 26R87	81.8	92.7	59.6	60.8	35	32
Chesapeake	81.2	85.7	57.1	58.5	35	36
Delta King 9108	79.7		57.1		40	35
PROGENY 166	79.7		55.0		41	36
SS MPV-57	79.6	92.6	58.2	58.6	37	37
USG 3633	77.3		56.0		38	34
Cumberland	77.1	86.5	57.1	58.2	37	36
AgriPro COKER W1377	76.8		59.5		38	38
Ebberts 575	76.7		57.3		40	38
Steyer Fatzinger	76.6		56.0		41	35
Exsegen Lydia	76.2	89.0	56.8	57.3	37	36
SS 548	75.9		55.5		37	37
SC 1298	75.5		56.7		42	35
Vigoro V9812	75.4		53.2		38	37
Steyer EXP 703	74.6		54.5		37	38
SS 8641	74.4		57.2		38	37
AgriPro COKER Branson	74.4	96.1	55.4	56.8	35	35
PROGENY 117	74.1		56.1		40	34
SC 1339	73.8		53.8		36	36
Exsegen Dinah	73.8		58.5		38	37
Beck 122	73.7		57.0	57.1	40	35
Beck 117	72.6	84.5	58.2	59.0	38	36
AgriPro COKER 9511	72.6	82.0	58.4	59.5	40	36
KY 97C-0508-01-01A-1	72.6		56.9		37	37
SS 8404	72.5	85.9	57.2	58.1	33	37
ARMOR 9901	71.5		56.8		36	34
KY 96C-0786-3-2	71.4	93.5	57.6	58.6	36	38
Dixie 907	71.2		54.3		41	38
VA 03W-409	71.2		54.7		35	39
PROGENY 185	71.1		57.2		35	35
SC 1348	71.0		53.6		41	38
Beck 164	70.5		56.1		38	38
Delta King 7710	70.0	78.0	57.9	58.8	41	38
Delta Grow 1600	69.4	81.8	53.4	56.1	40	38
SC 1325	69.3		58.0		37	36
Ebberts 570	69.2		56.0		41	35
EXCEL 357	69.2		55.3		39	38
EXCEL 343	69.1		53.8		38	39
Pioneer variety 25R37	68.5	92.5	57.0	59.1	36	37
KY 97C-0519-04-07	68.3		54.2		37	39
Exsegen Candace	68.2		55.9		40	36
Pembroke	67.8	85.2	57.8	57.9	36	38
Clark	67.4	74.5	57.3	57.7	40	35
Vigoro V9712	67.2		56.7		36	38
Pioneer variety 26R15	67.0	87.6	56.3	58.0	36	37
KY 97C-0540-01-03	66.6		57.5		37	39
KY 96C-0769-7-3	66.3		56.6		34	38
Pioneer variety 25R54	66.3	84.4	56.5	56.9	37	38
PROGENY 122	66.1		55.7		39	39
Dixie 989	65.6		56.3		37	38
Delta King 9577	64.6	84.3	55.7	56.4	37	36
SS 8302	64.4	87.4	58.0	58.5	38	38
Delta Grow 5200	64.2		55.1		40	38
EXCEL 345	63.6		57.2		39	39
SC 1337	63.0		57.7		40	36
SC 1318	63.0		54.2		38	38
Exsegen Hannah	62.9		56.1		40	37
MO 011126	62.7		57.4		37	39
USG 3860	62.0		53.6		36	38
Pioneer variety 25R35	61.5		56.0		36	38
VA 01W-205	61.1		56.7		33	35
Truman	60.9		57.0		40	42
KY 97C-0321-05-2	60.6		53.2		39	40
KY 97C-0321-02-01	60.6		54.3		38	39
PROGENY 145	60.4		56.4		40	36
Vigoro V9710	59.9		53.0		32	34
Delta Grow 7400	59.1		55.7		40	38
KY 99C-1051-03-1	58.7		55.6		37	39
KY 97C-0574-01-04	58.4		57.3		37	38
USG 3350	58.3	79.5	56.8	57.6	40	37
KY 97C-0546-20-05	56.3		55.8		36	39
Pioneer variety 26R22	55.8	81.3	56.2	57.0	37	37
Delta Grow 4500	55.7		55.3		41	38
SS 8309	55.1	83.0	57.2	58.2	38	38
Red Ruby	54.7		57.1		38	38
SS 520	50.9	73.9	56.9	56.6	37	39
PROGENY 127	50.3		56.1		37	38
<b>AVERAGE</b>	<b>68.5</b>	<b>85.8</b>	<b>56.3</b>	<b>57.9</b>	<b>38</b>	<b>37</b>
C.V.	16.5	15.3				
LSD (0.05)	15.7	11.5				

**NOTE: Data highly variable—Table not recommended for variety selection.**

Location: 2008 (Christian Co.), 2006 (Todd Co.); \*2007 data compromised by freeze.

Planting date: 11-9-07; Conventional tillage; Harvest date: 6-22-08; Preceding crop = corn.

**Table 12. 2008 Kentucky Wheat Test—North Central Region.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)		Height (in)	Heading Date > April 1
	2008	2006, 2008*	2008	2006, 2008*	2008	2008
SS MPV-57	97.8	110.0	59.9	60.4	39	43
Exsegen Dinah	95.9		60.4		38	42
KY 97C-0519-04-07	93.9		54.0		36	47
PROGENY 185	93.8		58.0		38	42
USG 3633	93.7		60.9		39	40
PROGENY 117	93.7		59.7		39	40
Dixie 907	93.5		59.3		41	43
Delta King 9577	92.4	97.1	56.8	56.4	38	43
SC 1339	92.4		57.1		36	42
SC 1348	92.4		58.0		40	43
Dixie 989	92.2		59.0		38	43
PROGENY 145	92.1		58.5		41	42
PROGENY 166	91.7		57.6		40	43
Vigoro V9812	91.7		56.7		36	42
Red Ruby	91.5		60.4		37	45
KY 97C-0321-02-01	91.4		57.0		35	46
SS 548	91.4		60.3		36	43
SS 8302	91.1	96.3	59.2	58.9	36	45
Delta King 7710	91.0	93.4	59.8	59.5	39	45
SS 8404	90.5	82.4	62.7	60.6	32	43
SS 560	90.4	102.6	57.9	56.9	34	44
Delta King 9108	90.0		58.8		40	42
Delta Grow 1600	89.7	100.5	60.3	57.7	37	44
Pioneer variety 25R63	89.7		60.0		36	44
Pioneer variety 26R22	89.6	98.8	59.1	58.9	36	44
Chesapeake	89.6	101.3	60.3	60.7	34	41
Delta Grow 4500	89.5		60.0		40	43
Exsegen Hannah	89.4		59.8		38	43
Pioneer variety 26R15	89.4	101.1	60.6	59.6	36	43
Delta Grow 5200	89.3		58.1		40	44
USG 3350	89.0	90.8	58.1	56.8	41	42
KY 97C-0540-01-03	88.8		54.5		36	45
SC 1325	88.2		61.8		38	42
Pembroke	88.1	100.7	59.2	59.8	35	45
Vigoro V9710	88.0		60.4		33	39
KY 96C-0786-3-2	87.3	97.1	58.7	59.3	36	43
Cumberland	87.1	92.8	60.0	57.8	37	41
SC 1318	87.1		55.5		36	43
VA 01W-205	86.7		60.7		31	42
Beck 164	86.5		56.0		37	44
Truman	86.5		58.0		41	52
Ebberts 575	86.3		60.5		41	44
Beck 117	86.2	93.9	60.3	60.5	38	41
Pioneer variety 26R87	86.2	97.7	62.9	62.7	34	39
SC 1298	86.1		58.5		39	42
Pioneer variety 25R35	86.0		60.4		36	45
Steyer Fatzinger	85.9		58.7		40	42
Pioneer variety 25R37	85.6	101.9	58.7	59.8	35	43
Beck 122	85.5	98.0	58.3	57.7	38	43
Steyer EXP 703	85.4		58.7		36	45
AgriPro COKER Branson	85.4	98.9	59.1	58.2	36	41
KY 96C-0769-7-3	85.3		60.1		36	44
KY 97C-0574-01-04	84.8		56.3		35	45
KY 97C-0321-05-2	84.8		54.0		36	47
VA 03W-409	84.1		56.0		33	45
Exsegen Lydia	84.1	92.6	62.0	59.4	36	44
SC 1337	84.0		59.8		37	43
Bess	84.0		60.0		38	44
MO 011126	84.0		57.0		36	46
Clark	83.9	82.4	59.9	58.5	40	40
Delta Grow 7400	83.5		57.5		40	45
KY 97C-0508-01-01A-1	83.0		60.7		35	42
KY 97C-0546-20-05	82.7		55.9		37	45
Exsegen Candace	82.6		59.2		39	42
EXCEL 345	82.5		59.2		38	46
Pioneer variety 25R54	82.4	97.3	61.0	59.9	36	45
SS 8641	82.3		60.4		35	45
KY 99C-1051-03-1	82.2		59.9		36	46
SS 8309	82.2	93.1	56.3	57.5	36	46
EXCEL 357	81.4		60.6		37	45
ARMOR 9901	81.1		61.4		34	40
EXCEL 343	81.0		59.3		37	45
Ebberts 570	80.7		59.2		40	42
AgriPro COKER 9511	80.7	91.9	61.2	60.7	40	41
PROGENY 127	79.6		58.0		37	46
USG 3860	78.6		58.8		35	46
AgriPro COKER W1377	78.6		59.4		37	46
Vigoro V9712	78.5		60.3		34	43
PROGENY 122	78.4		56.0		38	46
SS 520	76.8	96.8	57.6	58.5	36	45
<b>AVERAGE</b>	<b>86.9</b>	<b>96.4</b>	<b>59.0</b>	<b>59.0</b>	<b>37</b>	<b>44</b>
C.V.	7.8	8.1				
LSD (0.05)	9.4	7.3				

Location: 2008 (LaRue Co.), 2006 (Fayette Co.); \*2007 data compromised by freeze.  
 Planting date: 11-1-07; No-Till; Harvest date: 6-24-08; Preceding crop = corn.  
 Winter Survival = 100%; Lodging = 0%.

**TABLE 13. 2008 Kentucky Barley Test.**

Variety	Yield (Bu/A)		Test Wt. (Lb/Bu)	Lodging (%)	Height (in)	Heading Date > April 1
	2008	2001-08	2001-08	2001-08	2001-08	2001-08
Thoroughbred	121.5	105.1	46.3	21	35	23
Price	111.3	102.7	45.8	24	32	21
<b>AVERAGE</b>	<b>116.4</b>	<b>103.9</b>	<b>46.1</b>	<b>23</b>	<b>34</b>	<b>22</b>

Location: W. Coalfield Region, Princeton, KY.  
 Planting date: 10-17-07; Harvest Date: 6-5-08; Previous crop: Soybean; Conventional tillage.  
 2007 data omitted due to freeze damage.

**Table 14. 2008 Kentucky Hulless Barley Test.**

Variety	Yield (Bu/A)	Lodging (%)	Height (in)	Test Weight (Lb/Bu)	Heading Date > April 1	Leaf Blotch Rating
VA06H-125	98.6	0	35	55.5	23	4
VA06H-142	97.8	0	37	56.5	22	4
VA06H-25	96.6	0	38	56.7	24	4
VA06H-30	94.3	5	37	56.0	24	4
VA06H-79	93.7	0	34	56.3	24	5
VA06H-130	91.8	0	35	55.8	24	4
VA06H-41	90.2	3	38	55.7	23	7
VA06H-218	90.0	0	37	55.0	24	5
VA05H-131	89.8	0	39	56.2	24	3
VA06H-81	88.4	0	33	56.9	22	5
VA06H-69	88.0	0	34	56.5	23	7
VA06H-8	88.0	0	33	55.8	22	5
Doyce	85.7	5	36	53.6	22	6
VA06H-19	85.7	0	38	55.9	24	5
VA06H-149	85.6	3	37	56.3	23	4
VA06H-180	85.4	10	34	55.6	24	5
VA06H-121	85.1	3	37	56.7	22	5
VA06H-165	84.6	5	35	55.1	23	4
VA06H-82	84.0	0	32	56.9	22	7
VA06H-47	83.0	0	37	56.4	22	4
VA06H-60	82.6	10	34	54.7	22	7
VA05H-134	82.6	0	38	55.5	24	6
VA01H-125	82.5	0	30	57.0	20	7
VA06H-72	82.0	0	34	56.7	22	6
VA06H-109	81.4	5	37	57.5	22	5
VA06H-66	81.0	0	34	55.3	22	7
VA06H-14	80.4	0	38	54.5	24	7
VA06H-28	79.4	0	39	58.1	24	6
VA06H-18	77.1	5	40	54.7	24	6
VA06H-98	76.6	3	36	56.8	22	5
VA06H-107	76.4	0	35	57.7	23	6
VA06H-48	76.2	0	38	55.4	22	4
VA06H-7	76.0	0	32	53.0	23	7
VA06H-23	75.3	0	38	52.6	23	7
VA06H-95	75.0	0	35	58.0	22	4
VA06H-182	74.9	20	36	54.2	24	6
VA06H-35	73.2	20	37	55.8	24	6
VA06H-2	72.4	5	36	56.9	23	6
VA05H-142	72.1	5	38	54.7	23	8
VA05H-114	71.9	5	40	55.4	24	6
VA03H-61	70.6	0	36	60.6	24	4
VA06H-3	68.7	0	37	58.2	24	4
VA05H-117	68.6	10	40	55.4	24	7
VA06H-166	68.6	3	36	53.4	24	7
VA05H-144	68.5	0	37	55.8	23	6
VA05H-59	68.4	5	35	56.8	23	8
VA06H-31	68.0	0	38	56.8	24	8
VA05H-137	67.0	0	37	57.2	22	9
Eve	66.1	0	35	58.9	20	9
VA05H-133	64.4	3	39	57.7	21	9
VA06H-27	62.3	10	39	56.7	23	9
VA06H-94	57.9	0	34	57.0	22	7
<b>AVERAGE</b>	<b>79.5</b>	<b>3</b>	<b>36</b>	<b>56.1</b>	<b>23</b>	<b>5.8</b>
C.V.	11.5					
LSD (0.05)	15.0					

Location: Princeton, KY, (Caldwell Co.), Conventional tillage.  
 Planting date: 10-17-07; Harvest date: 6-5-08.  
 Leaf Blotch Complex—Primarily Septoria tritici—Rating (1=excellent, 9=poor).

**Table 15. 2008 Kentucky Wheat Disease Ratings.**

Variety	Leaf Blotch	Powdery Mildew*	Leaf Rust*	WSMV*	Stripe Rust**
AgriPro COKER 9511	3.0	4	1	1.8	3.4
AgriPro COKER Branson	5.2	3	2.8	3	2.9
AgriPro COKER W1377	3.2				
ARMOR 9901	4.2				
Beck 117	5.5	2.4	1.8	1	3.1
Beck 122	5.2	3.8	5.8	2	
Beck 164	5.8				
Bess	4.8				
Chesapeake	8.0	1.3	3.5	3.3	8.4
Clark	5.0	5	2.8	1.8	7.5
Cumberland	5.8	3.2	5	1.8	
Delta Grow 1600	5.8	4	1.8	1.5	
Delta Grow 4500	5.8				
Delta Grow 5200	7.0				
Delta Grow 7400	3.5				
Delta King 7710	6.5	6.3	1	1.3	1.9
Delta King 9108	5.5				
Delta King 9577	6.8	4.3	2.8	2.3	3.3
Dixie 907	6.2				
Dixie 989	5.0				
Ebberts 570	3.8				
Ebberts 575	3.5				
EXCEL 343	5.0				
EXCEL 345	3.8				
EXCEL 357	3.8				
Exsegen Candace	5.0				
Exsegen Dinah	4.0				
Exsegen Hannah	4.5				
Exsegen Lydia	7.0	3	3.8	1	
KY 96C-0769-7-3	6.5				
KY 96C-0786-3-2	6.2	2.8	3.3	2	
KY 97C-0321-02-01	6.0				
KY 97C-0321-05-2	5.2				
KY 97C-0508-01-01A-1	5.0				
KY 97C-0519-04-07	6.2				
KY 97C-0540-01-03	5.8				
KY 97C-0546-20-05	5.8				
KY 97C-0574-01-04	6.5				
KY 99C-1051-03-1	6.8				
MO 011126	6.2				
Pembroke	8.5	2.4	3.3	1.8	2.1
Pioneer variety 25R35	3.0				
Pioneer variety 25R37	4.5	3	4.3	2.3	2.5
Pioneer variety 25R54	7.2	3	2	1.5	3.1
Pioneer variety 25R63	6.8				
Pioneer variety 26R15	5.8	2.8	1	2.3	3.8
Pioneer variety 26R22	6.5	4.3	2.8	2.5	
Pioneer variety 26R87	7.2	2.4	1.8	1.3	
PROGENY 117	6.0				
PROGENY 122	4.5				
PROGENY 127	5.0				
PROGENY 145	7.2				
PROGENY 166	8.2				
PROGENY 185	5.8				
Red Ruby	7.2				
SC 1298	4.0				
SC 1318	6.2				
SC 1325	4.5				
SC 1337	4.2				
SC 1339	5.2				
SC 1348	6.8				
SS 520	6.0	1.3	1.8	1	7.6
SS 548	6.5				
SS 560	7.5	3	2.3	2	4.6
SS 8302	6.0	5.5	1.8	1.8	2.2
SS 8309	5.8	4	1.3	2.5	4.1
SS 8404	8.0	6.5	1.5	2	
SS 8641	6.8				
SS MPV-57	7.5	3	3.6	1	5.9
Steyer EXP 703	4.0				
Steyer Fatzinger	5.0				
Truman	3.8				
USG 3350	6.8	7.7	1.4	2.8	2.3
USG 3633	4.5				
USG 3860	4.2				
VA 01W-205	7.2				
VA 03W-409	3.8				
Vigoro V9710	5.5				
Vigoro V9712	4.2				
Vigoro V9812	6.0				
<b>AVERAGE</b>	<b>5.6</b>	<b>4.2</b>	<b>2.4</b>	<b>2.2</b>	<b>4.4</b>

\* Data collected in 2006; \*\* Data collected in 2005.

Disease ratings (1=excellent, 9=poor).

WSMV=Wheat streak mosaic virus.

Leaf Blotch Complex— ~80% Septoria tritici and 20% Stagonospora nodorum.



**Table 16. 2008 Kentucky Head Scab (FHB) Nursery Results.**

Variety	2008			2007-08
	Incidence (%)	Severity (%)	Index (%)	Index (%)
AgriPro COKER 9511	45	17	7.8	6.4
AgriPro COKER Branson	80	25	20.3	14.6
AgriPro COKER W1377	90	40	36.2	27.9
ARMOR 9901	75	28	21.1	
BECK 117	75	23	17.3	16.9
BECK 122	70	24	16.7	15.8
BECK 164	70	31	21.6	
Bess	45	25	11.2	7.9
Chesapeake	90	41	37.3	32.0
Clark	95	33	31.7	20.0
Cumberland	85	19	16.6	13.4
Delta Grow 1600	100	33	33.4	32.4
Delta Grow 4500	50	31	15.5	12.0
Delta Grow 5200	70	27	19.0	12.8
Delta Grow 7400	70	40	28.3	
Delta King 7710	60	36	21.5	19.3
Delta King 9108	80	28	22.2	
Delta King 9577	95	54	51.5	41.6
Dixie 907	75	27	20.1	
Dixie 989	95	30	28.6	30.4
Ebberts 570	60	22	13.2	10.0
Ebberts 575	90	50	44.9	33.6
EXCEL 343	80	30	24.3	
EXCEL 345	100	90	89.9	
EXCEL 357	60	23	13.7	
Exsegen Candace	75	21	16.0	
Exsegen Dinah	35	19	6.6	10.6
Exsegen Hannah	55	28	15.3	
Exsegen Lydia	60	43	25.9	20.0
KY96C-0769-7-3	65	25	16.2	15.6
KY96C-0786-3-2	95	31	29.5	29.4
KY97C-0321-02-01	100	63	63.4	54.2
KY97C-0321-05-2	100	91	91.5	
KY97C-0508-01-01A-1	45	25	11.4	
KY97C-0519-04-07	100	81	81.3	54.8
KY97C-0540-01-03	75	79	59.2	
KY97C-0546-20-05	90	68	61.1	47.1
KY97C-0574-01-04	100	24	24.2	25.8
KY99C-1051-03-1	90	54	48.2	
MO 011126	100	77	77.2	51.5
Pembroke	85	22	18.6	16.6
Pioneer variety 25R35	65	45	29.1	
Pioneer variety 25R37	90	26	23.6	
Pioneer variety 25R54	75	33	24.9	24.8
Pioneer variety 25R63	65	45	29.0	18.9
Pioneer variety 26R15	85	29	25.0	23.1
Pioneer variety 26R22	95	26	24.5	14.1
Pioneer variety 26R87	95	33	31.1	26.6
Progeny 117	85	25	21.3	
Progeny 122	95	48	45.6	
Progeny 127	100	85	84.6	
Progeny 145	60	30	18.1	
Progeny 166	50	22	10.8	
Progeny 185	85	25	20.9	
Red Ruby	90	34	30.9	31.8
SC 1298	90	25	22.8	
SC 1318	100	40	40.0	
SC 1325	80	40	31.9	
SC 1337	65	30	19.4	
SC 1339	95	43	40.4	
SC 1348	70	20	14.2	
SS 520	60	25	15.1	22.8
SS 548	95	59	55.7	
SS 560	65	37	23.8	17.6
SS 8302	70	51	35.9	26.8
SS 8309	90	47	42.0	25.8
SS 8404	90	42	37.6	34.6
SS 8641	100	70	69.9	
SS MPV-57	65	43	28.0	26.2
Steyer EXP 703	90	54	48.9	
Steyer Fatzinger	60	45	26.9	19.8
Truman	95	35	32.8	18.4
USG 3350	50	30	15.0	11.5
USG 3633	100	56	56.3	
USG 3860	85	51	42.9	
VA 01W-205	80	29	23.0	
VA 03W-409	85	69	59.1	
Vigoro V9710	85	30	25.6	15.4
Vigoro V9712	75	21	15.8	13.4
Vigoro V9812	85	52	44.4	
<b>AVERAGE</b>	<b>79</b>	<b>39</b>	<b>32.5</b>	<b>23.7</b>

Head Scab data collected at Lexington Scab Nursery. \*2008 Vomitoxin (DON) levels and Fusarium Damaged Kernel (FDK %) data from nursery will be posted at [www.uky.edu/Ag/WheatVarietyTest](http://www.uky.edu/Ag/WheatVarietyTest) when available.

Planting date: 10-15-07; Scabby corn (inoculated with cultures of 28 Fusarium isolates) applied to nursery 4-25-08.

Incidence (%) is the avg. number of heads showing scab symptoms out of 30 total heads counted per plot.  
Severity (%) is the avg. number of bleached spikelets per total spikelets on a single head from 10 heads per plot.  
Index (%) is a function of (severity x incidence)/100.





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