

2007 Kentucky Small Grain VARIETY PERFORMANCE TEST

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www.uky.edu/ag/WheatVarietyTest

The 2007 soft red winter wheat growing season ended with Kentucky farmers harvesting 240,000 acres of the 440,000 acres planted for a total production of 12.2 million bushels of grain. An average yield of 51 bushels per acre was recorded. State yields were compromised by freeze damage and were lower than in the previous two record years (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 or may soon be commercially 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 grain production tests were conducted at seven locations throughout the state (Table 2). Additionally, tests for varietal differences in forage potential and straw yields were conducted at one location. The Southern Tier No-Till test in Todd County was dropped due to severe freeze damage (similar to the Purchase Region test).

Experimental Methods

Seventy-two entries were evaluated under either conventional or no-till cultural practices. No-till tests were conducted at four locations, and conventional tillage tests were conducted at three 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 4.5 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, 2005-2007.*

2007		2006		2005	
Harvested	Yield	Harvested	Yield	Harvested	Yield
240	51	320	71	300	68

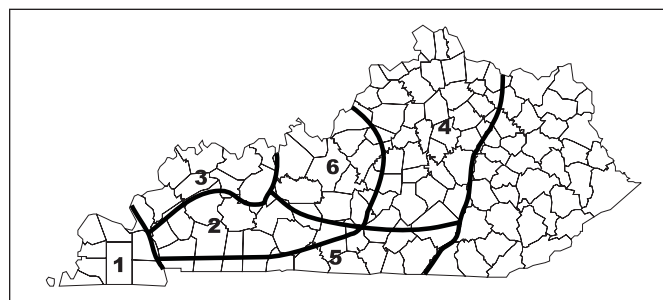
*July 1, 2007, National Agricultural Statistics Service

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	Fulton 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.	Don Halcomb	Wheat*
	Todd Co.	Andy Gray	No-till 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. Dry matter forage yield and winter grazing potential 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 a GAC 2100b. Lodging was reported as the percentage of plant lodging at maturity. Plant height was measured in inches from the soil surface to the top of the grain head. Heading dates were reported as the day that an estimated 50% of the heads had extended above the flag leaf collar. Disease ratings were not recorded in 2007 due to low disease pressure; 2006 disease rating data are presented. Head scab ratings were recorded at the Fayette county Fusarium head blight nursery. Forage and straw yields are expressed as dry matter in tons per acre. Freeze damage ratings were recorded at the Caldwell and Fulton county tests where severe freeze damage occurred. Stem and canopy damage was recorded, averaged, and reported as freeze injury (scale 1-8). Kernel weight (1000) was determined using cleaned, unscreened seed from the Bluegrass Region test.

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. It is possible that results in one of the other years were extremely good or poor and, thus, not comparable. Because the 2007 tests were compromised by freeze damage, 2006 yield data are presented for each test. The 2006 overall statewide summary (Table 3) has been republished and is the recommended table for variety selection.

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—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 does normally. 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.

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. Grain yield potential and test weight, straw strength and yield, height, heading date, disease resistance, and forage production potential are all 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 hulless lines) performance data are presented in Tables 13 and 14.

Test Conditions

Dry, warm weather during early October facilitated partial early planting of Kentucky's 2007 wheat crop. Wet weather in mid-October delayed some planting until late October/early November. Cool temperatures in November slowed plant development, but growth accelerated with warm December temperatures. The 2007 small grain variety tests were planted between the 10th and 30th of October. Record warm temperatures in March stimulated vigorous growth and development. Severe freeze damage occurred April 6-9, with highs in the upper 20's and lows in the mid-teens. The majority of the state's wheat crop was at Feekes 7-10. The level of damage was related to stage of development and the susceptibility of varieties to cold stress. Certain varieties were less susceptible to freeze damage independent of growth stage. Insect and disease pressure were low. Although harvest date was expected to be delayed due to re-growth associated with freeze damage, a warm, dry May accelerated maturity. Dry conditions during early June favored timely harvest and decent grain quality.

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Wheat Varieties Tested in 2007

Adler Seeds

6085 W. 550 N
Sharpsville, IN 46068

Adler 575

Agripro COKER Syngenta Seeds

778 CR 680
Bay, AR 72411

AgriPro COKER Beretta
AgriPro COKER Branson
AgriPro COKER Cooper
AgriPro COKER COKER 9511
AgriPro COKER W1377

Beck's Hybrids

6767 E. 276th
Atlanta, IN 46031

Beck 112
Beck 117
Beck 122

Cache River Valley Seed, LLC

PO Box 10
Cash, AR 72421

Dixie 989
Dixie 900

CPS – Vigoro Seeds

PO Box 1467
Galesburg, IL 61402

Vigoro V9611
Vigoro V9710
Vigoro V9712

Delta Grow Seed

220 NW 2nd
England, AR 72046

Delta Grow 1600
Delta Grow 4100
Delta Grow 4500
Delta Grow 5200

Delta King

PO Box 970
McCory, AR 72101

Delta King 7710
Delta King 9577
Delta King XTJ 730

Ebberts Field Seeds

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

Ebberts 501
Ebberts 570
Ebberts 575

Excel Seed

257 E. Hail St.
Bushnell, IL 61422

Excel 173

Foundation Seed Project

University of Kentucky
PO Box 11950
Lexington, KY 40579

Cumberland
Pembroke
KY93C-1238-17-1
KY96C-0769-7-3
KY96C-0786-3-2
KY97C-0321-02-01
KY97C-0519-04-07
KY97C-0546-17-05
KY97C-0546-20-05
KY97C-0574-01-03
KY97C-0574-01-04

JGL, Inc.

3540 S. US 231
Greencastle, IN 46135

JGL EXP 701
JGL EXP 703

MD Crop Improvement

28564 Gilnock Rd.
Easton, MD 21601

Chesapeake

Michigan State University

MSU 1007R

Miles Seed

Miles Farm Supply
PO Box 22879
Owensboro, KY 42304

Exsegen Dinah
Exsegen Judith
Exsegen Leah
Exsegen Lydia
Exsegen Rachel

Pioneer Hi-Bred Intl.

7501 S. Memorial Pkwy, 205
Huntsville, AL 35802

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

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
Fatzinger
Hammon
Morrall

SunBeam Extract Co.

11491 Foundation Rd.
Croton, OH 43013

SE 0377-4
SE 4006

UniSouth Genetics

2640-C Nolensville Rd.
Nashville, TN 37211

USG 3342
USG 3350
USG 3910

University of Missouri

106 Curtis Hall
Columbia, MO 65211

Truman
Bess
MO 011126

Virginia Tech

PO Box 338
Warsaw, VA 22572

VA 02W-555
Jamestown
All Barley lines/varieties

Other

Blend - 2007
Uniform blend of 71 entries

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IMPORTANT NOTE:

Much of Kentucky's 2007 wheat crop sustained freeze damage during April 6-9th (daily temperatures ranged from mid-teens to upper 20's). This freeze was preceded by three weeks of abnormally high temperatures which accelerated wheat growth and development and increased the susceptibility to freeze damage. The 2007 variety tests were affected as well. With the exception of the Bluegrass region tests, all other tests sustained moderate to severe freeze damage. Because the 2007 data was compromised by freeze damage, the 2006 state summary of all tests (*Table 3) has been republished and is the recommended data set for variety selection decisions. The 2007 data is interesting, but may or may not represent varietal performance in a typical year.

There were indicators that yield performance was related to the stage of development (at freeze), but other factors were also involved. Deciphering why some varieties appeared to be more/less susceptible to the freeze will require the analysis of these and other data collected from the tests. The analysis and interpretation of this topic, is beyond the scope of this bulletin and will be summarized later.

The 2007 data for individual tests is presented along with 2006 yield data for performance comparison in an ideal (record year) environment. Planting date and approximate stage of development at time of freeze are noted for each test. Height and heading date data were affected by freeze and the best estimate of these 2007 characteristics is from the Bluegrass regional test.

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

VARIETY	Yield (Bu/A)			Test Wt.	Lodging	Height	Heading
	2006	2005-06	2004-06	(Lb/bu)	(%)	(In)	Date
				2006	2006	2006	> April 1
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
Pembroke	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 V9611	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 26R87	91.6			61	8	32	25
Chesapeake	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				

***RECOMMENDED TABLE FOR VARIETY SELECTION - 2007 DATA COMPROMISED BY FREEZE**
 Summary of eight 2006 tests—three no-till (Calloway, Caldwell, and Shelby counties), and five conventional (Webster, Caldwell, Logan, Todd, and Fayette counties) tests.

Table 4. 2007 Kentucky Wheat Test - Overall State Summary*.

VARIETY	Yield (Bu/A)			Test Wt.	Lodging	Height**	Heading Date**	Seeds/Lb.**
	2007	2006	2005-06	(Lb/bu)	(%)	(In)	> May 1	2007
AgriPro COKER W1377	72.9			60.5	3	34	11	15791
Truman	69.9			57.4	2	35	16	16722
KY 97C-0519-04-07	68.4			55.3	0	31	12	14438
AgriPro COKER Branson	66.6	102.7	98.2	57.7	2	30	10	15717
MSU 1007R	65.6			58.7	1	32	11	14417
Pioneer variety 25R54	65.1	95.7	91.6	55.8	0	29	11	13937
Pioneer variety 25R63	63.0			58.2	0	30	9	15439
Pioneer variety 26R15	61.8	99.0	90.7	57.6	1	33	11	14792
KY 97C-0321-02-01	61.5			56	0	30	11	15153
Ebberts 575	61.3			57.8	4	35	12	14077
Ebberts 570	61.1			57.6	1	33	10	16113
Beck 122	60.6	97.9		57.3	1	34	10	16021
Pioneer variety 26R22	60.5	99.1		57.2	0	31	9	16174
SS 8309	59.8	95.2	90.5	57.9	0	30	11	14793
Steyer Fatzinger	58.6			57	0	34	9	17641
Delta Grow 5200	58.4			58.6	6	33	11	17421
JGL EXP 703	58.2			55.8	0	32	12	18063
Steyer Morral	57.9	97.9		58.4	1	29	11	17063
JGL EXP 701	57.4			54.9	2	32	11	17978
MO 011126	57.3			58.1	1	32	11	13668
Vigoro V9712	56.9			58.8	0	30	11	15928
Exsegen Dinah	56.8			59.1	0	33	11	15295
KY 96C-0786-3-2	56.8	99.1		56.7	0	32	11	14569
KY 97C-0546-20-05	56.7			56.4	0	32	11	15211
KY 93C-1238-17-1	56.7	98.1	94.7	58.8	2	32	9	15097
Delta Grow 4100	56.6	87.7		58	3	33	11	17081
USG 3350	55.5	93.7	91.3	58	3	34	11	14467
KY 97C-0574-01-03	55.5			56.3	2	32	11	12974
Delta King XTJ 730	55.4			56.6	0	31	11	18786
Delta Grow 1600	55.2	94.6		57.2	0	31	11	18595
Blend	55.0			57.7	0	33	11	15184
AgriPro COKER Beretta	54.8			56.1	2	30	11	16709
Steyer Alma	54.6	100.8	95.6	57.3	0	30	11	15971
Steyer Hammon	54.3			58.4	5	33	11	16179
KY 97C-0574-01-04	54.2			56.4	1	32	11	13006
AgriPro COKER Cooper	53.9	97.9	93.8	56	0	30	11	16356
Dixie 989	53.9			56.9	0	32	11	18497
Exsegen Leah	53.7	88.4	85.4	56.4	0	28	12	18940
Bess	53.6			58.8	3	33	12	15914
Delta Grow 4500	52.7			57.8	6	34	11	15310
Delta King 9577	52.6	95.4	93.2	56.8	0	31	11	17525
VA 02W-555	52.6			54.9	0	27	11	15308
Dixie 900	52.4			57.8	2	33	11	16027
KY 96C-0769-7-3	52.3			58.2	0	28	11	15343
Delta King 7710	51.3	91.7	88.2	55.8	3	33	12	15172
Vigoro V9710	51.2			57.9	0	29	7	16199
Beck 112	50.8			58.4	0	30	11	15806
Vigoro V9611	50.7	95.5		57.1	0	31	11	17792
Pembroke	50.5	97.9	92.3	57.4	0	30	11	13565
KY 97C-0546-17-05	50.5			55	0	29	11	14221
Ebberts 501	50.2	96.5		57.6	1	32	9	15086
AgriPro COKER COKER 9511	50.1	91.4	89.1	58.5	2	35	9	15011
Cumberland	49.9	88.7		59.2	0	30	11	16031
Exsegen Judith	49.8	93.6	90.6	56.4	2	33	12	15600
SS 8404	49.2	85.9	86.5	59.8	0	27	11	17531
Jamestown	49.0			60.5	0	27	8	14195
SS 8302	48.9	95.9	93.1	55.8	0	30	12	17911
EXCEL 173	48.9	83.9		58.1	2	33	11	15189
Adler 575	48.7	96.3		57.5	1	31	11	17752
Chesapeake	48.3	91.5	89.1	56.7	0	28	10	14150
USG 3910	47.9	93.7	88.2	57.3	1	32	10	15599
SS 560	47.7	99.4	94.1	56.6	0	28	12	16344
Exsegen Lydia	47.1	91.4		57.9	0	29	11	16460
Beck 117	46.9	90.7	89.2	57.6	1	32	10	15277
Clark	46.9	82.0	77.4	58.5	0	33	9	15057
SS MPV-57	45.7	100.8	97.0	53.9	0	33	12	14995
Exsegen Rachel	45.3	87.9	84.9	57.2	0	29	10	14349
Pioneer variety 26R87	44.9	91.6		59.1	0	30	10	15300
SE 0377-4	44.2			57.4	1	33	9	12648
SE 4006	43.0			57.5	2	32	8	16014
USG 3342	42.7			57.1	0	27	9	17016
SS 520	40.5	94.6	91.0	54.9	0	32	9	15599
AVERAGE	54.2	94.2	90.7	57.4	1	31	11	15772
C.V.	11.0			0.7				
LSD (0.05)	3.4			0.2			Max. = Min. =	18940 12648

* NOTE - 2007 DATA COMPROMISED BY FREEZE.

* Summary of six 2007 tests - three conventional till (Fayette, Webster, Logan counties) and three No-Till (Larue, Caldwell, & Fulton counties) tests.

** Data from Fayette Co. test only.

This location had no apparent freeze injury and provides best data for these characteristics.

Table 5. 2007 Kentucky Wheat Forage Test.

VARIETY	DM Yield* at Heading Tons/acre		Winter Grazing** Productivity Index (%)		Head Type
	2007	2006-07	2007	2006-07	
Delta Grow 1600	2.47	3.21	100	101	Smooth
AgriPro COKER W1377	2.41		109		Smooth
Ebberts 570	2.34		102		Smooth
Steyer Hammon	2.33		118		Smooth
Exsegen Dinah	2.31		99		Smooth
Pioneer variety 26R15	2.29	3.05	101	98	Bearded
Adler 575	2.29	3.16	122	118	Smooth
SE 4006	2.29		101		Smooth
Clark	2.28	3.23	107	108	Smooth
SS MPV-57	2.25	3.16	110	128	Smooth
Dixie 989	2.25		103		Smooth
USG 3342	2.23		90		Bearded
KY 97C-0321-02-01	2.23		71		Smooth
Vigoro V9611	2.21	3.24	114	127	Smooth
Beck 112	2.21		78		Bearded
AgriPro COKER Beretta	2.20		117		Smooth
MSU 1007R	2.20		80		Bearded
KY 97C-0519-04-07	2.20		103		Smooth
Dixie 900	2.19		137		Tip-Awned
Steyer Alma	2.18	2.98	107	91	Smooth
SE 0377-4	2.18		128		Smooth
Delta King XTJ 730	2.17		103		Smooth
JGL EXP 703	2.15		124		Smooth
KY 96C-0786-3-2	2.13	2.91	94	89	Bearded
MO 011126	2.13		83		Bearded
AgriPro COKER COKER 9511	2.12	2.72	95	103	Tip-Awned
Steyer Fatzinger	2.12		92		Smooth
Ebberts 575	2.12		82		Smooth
KY 97C-0574-01-03	2.11		111		Bearded
Pioneer variety 25R54	2.10	3.01	91	97	Bearded
SS 8302	2.09	3.00	100	107	Bearded
SS 8404	2.08	2.64	101	109	Bearded
AgriPro COKER Cooper	2.08	2.83	111	100	Smooth
Steyer Morral	2.08	2.90	97	84	Tip-Awned
Cumberland	2.05	2.88	96	108	Bearded
Delta Grow 4100	2.05	2.90	109	98	Tip-Awned
Vigoro V9712	2.05		95		Smooth
Exsegen Lydia	2.03	3.07	106	108	Bearded
KY 97C-0574-01-04	2.03		107		Bearded
SS 8309	2.02	2.89	81	76	Smooth
USG 3350	2.02	2.71	99	92	Tip-Awned
Pioneer variety 26R22	2.02	3.00	89	86	Bearded
EXCEL 173	2.02	2.87	95	108	Smooth
Beck 122	2.02	2.64	68	70	Smooth
Vigoro V9710	2.01		82		Smooth
Ebberts 501	1.97	2.75	93	78	Tip-Awned
Delta King 7710	1.97	2.65	94	88	Smooth
KY 97C-0546-20-05	1.97		114		Smooth
Pembroke	1.95	3.01	133	128	Bearded
Exsegen Leah	1.94	2.82	99	116	Smooth
JGL EXP 701	1.94		114		Smooth
Bess	1.94		79		Smooth
Pioneer variety 25R63	1.93		97		Bearded
SS 560	1.92	2.57	103	115	Smooth
Delta King 9577	1.92	2.81	107	98	Smooth
Delta Grow 4500	1.92		105		Tip-Awned
Delta Grow 5200	1.92		107		Tip-Awned
AgriPro COKER Branson	1.86	2.61	95	105	Tip-Awned
Jamestown	1.85		111		Bearded
KY 93C-1238-17-1	1.83	2.89	103	104	Tip-Awned
VA 02W-555	1.82		93		Tip-Awned
Truman	1.78		76		Smooth
USG 3910	1.75	2.65	83	78	Tip-Awned
KY 96C-0769-7-3	1.74		99		Bearded
Exsegen Rachel	1.73	2.84	100	108	Bearded
SS 520	1.72	2.90	105	123	Smooth
KY 97C-0546-17-05	1.71		103		Smooth
Beck 117	1.70	2.50	87	72	Tip-Awned
Exsegen Judith	1.69	2.61	98	102	Smooth
Pioneer variety 26R87	1.69	2.32	102	112	Bearded
Chesapeake	1.50	2.41	107	100	Smooth
AVERAGE	2.04	2.85	100	101	
C.V.	13.6	14.3	19	18	
LSD (0.05)	0.39	0.37	26	18	

Location: Bluegrass Region - Fayette Co. — Minor freeze damage.

Planting date: 10-30-06; * Harvest date: 5-9-07 (beginning heading)

** Estimate of winter (pre green-up) grazing potential (100-average); data recorded 3-19-07 using plate pasture meter.

Head Type: Smooth=Awnless; Bearded=Awned; Tip-Awned=Awnletted.

Table 6. 2007 Kentucky Wheat Straw Test.

VARIETY	DM Yield* (Tons/acre)		Height (In)
	2007	2006-07	2007
Truman	1.88		35
MSU 1007R	1.81		32
Exsegen Judith	1.72	1.92	33
Ebberts 575	1.7		35
AgriPro COKER COKER 9511	1.66	1.75	35
USG 3350	1.66	1.77	34
Delta King 7710	1.66	1.89	33
SS 8302	1.57	1.81	30
Exsegen Rachel	1.42	1.57	29
Delta King 9577	1.42	1.66	31
KY 97C-0321-02-01	1.41		30
AgriPro COKER Cooper	1.39	1.64	30
Beck 117	1.39	1.61	32
Beck 122	1.39	1.79	34
Steyer Fatzinger	1.39		34
AgriPro COKER W1377	1.38		34
Dixie 900	1.38		33
Beck 112	1.37		30
Bess	1.37		33
Delta Grow 4500	1.37		34
KY 97C-0519-04-07	1.36		31
KY 93C-1238-17-1	1.34	1.71	32
JGL EXP 703	1.34		32
MO 011126	1.31		32
Ebberts 570	1.31		33
KY 97C-0574-01-03	1.31		32
Exsegen Lydia	1.3	1.45	29
Adler 575	1.3	1.53	31
Pioneer variety 25R63	1.3		30
SS MPV-57	1.29	1.53	33
Cumberland	1.29	1.49	30
Blend	1.29		33
KY 97C-0546-17-05	1.29		29
Pembroke	1.28	1.52	30
KY 96C-0769-7-3	1.28		28
KY 97C-0574-01-04	1.28		32
Ebberts 501	1.27	1.44	32
Pioneer variety 25R54	1.27	1.59	29
Delta Grow 1600	1.27	1.54	31
KY 96C-0786-3-2	1.27	1.5	32
Delta King XTJ 730	1.27		31
EXCEL 173	1.26	1.54	33
SE 0377-4	1.26		33
Steyer Hammon	1.25		33
Delta Grow 5200	1.24		33
Clark	1.23	1.56	33
Exsegen Leah	1.22	1.51	28
Pioneer variety 26R22	1.21	1.56	31
Pioneer variety 26R15	1.2	1.53	33
Delta Grow 4100	1.19	1.6	33
AgriPro COKER Beretta	1.19		30
Vigoro V9611	1.18	1.42	31
SE 4006	1.17		32
SS 8404	1.15	1.34	27
Exsegen Dinah	1.15		33
JGL EXP 701	1.14		32
USG 3910	1.12	1.4	32
Steyer Morral	1.11	1.27	29
VA 02W-555	1.11		27
Pioneer variety 26R87	1.09	1.24	30
Vigoro V9712	1.08		30
AgriPro COKER Branson	1.07	1.43	30
SS 560	1.06	1.37	28
Dixie 989	1.06		32
SS 520	1.01	1.31	32
Chesapeake	1.01	1.33	28
Steyer Alma	0.99	1.31	30
Vigoro V9710	0.99		29
KY 97C-0546-20-05	0.99		32
Jamestown	0.87		27
SS 8309	0.79	1.23	30
USG 3342	0.79		27
AVERAGE	1.27	1.53	31
C.V.	21	20.7	
LSD (0.05)	0.37	0.29	

Location: Bluegrass Region - Fayette Co. — Minor freeze damage.
Planting date: 10-30-06; Harvest date: 6-18-07; Conventional tillage.
* Dry matter straw yield following grain harvest.

Table 7. 2007 Kentucky Wheat Test - Purchase Region*.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height	Freeze Damage
	2007	2006	(Lb/bu)	(%)	(In)	Rating**
	2007	2006	2007	2007	2007	2007
AgriPro COKER Branson	46.9	107.8	58.2	10	29	3.5
AgriPro COKER W1377	44.5		60.2	10	30	2.5
Truman	41.0		57.4	13	31	2.4
Pioneer variety 25R54	38.7	100.4	55.7	0	26	3.3
Delta Grow 4100	37.2	90	58.9	18	28	3.9
Delta Grow 5200	36.6		59.7	20	28	3.9
Ebberts 575	36.4		58.1	13	30	3.3
Ebberts 570	35.8		58.5	5	28	3.8
KY 97C-0519-04-07	34.6		51.8	0	23	4.2
MSU 1007R	33.3		59.4	5	28	3.3
Vigoro V9712	32.6		59.8	0	23	3.5
Delta Grow 4500	31.5		58.9	25	28	4.2
Steyer Hammon	30.1		58.4	30	27	4.2
Dixie 900	28.7		58.2	8	26	5.1
JGL EXP 703	28.6		53.5	0	26	4.4
Beck 122	28.5	99.8	58.6	8	28	3.5
Steyer Morral	27.9	98.2	57.4	8	26	3.2
Bess	26.9		59.3	18	26	3.8
Exsegen Leah	26.7	93.6	58	0	25	3.6
USG 3350	26.3	92.6	58.7	15	29	4.4
Delta King 7710	26.3	95.9	57.9	10	26	4.0
Vigoro V9710	26.2		58.9	0	25	3.2
Steyer Alma	25.8	110.9	56.7	0	24	3.8
Pioneer variety 26R15	25.7	104	57.7	8	26	3.3
Blend	25.4		58.3	3	24	3.6
KY 97C-0321-02-01	24.9		52	0	25	4.0
SS 8309	24.6	103.8	57.1	3	28	3.6
Exsegen Dinah	24.4		60	0	25	4.3
KY 93C-1238-17-1	24.2	100.6	55.9	10	25	3.8
Steyer Fatzinger	23.7		56.5	0	27	4.0
JGL EXP 701	23.7		50	10	24	4.3
KY 97C-0546-20-05	22.4		55.6	0	23	4.2
Pioneer variety 25R63	22.4		58.7	3	28	3.1
EXCEL 173	21.8	88.1	58	10	27	4.6
SS 560	21.5	101.9	56	3	26	3.9
AgriPro COKER Beretta	20.7		53.9	10	25	3.9
Pioneer variety 26R22	20.2	108	57.3	0	25	3.8
Chesapeake	19.8	99.1	59	0	22	3.3
Clark	18.6	90.4	58.2	0	26	5.3
Exsegen Judith	18.2	98.9	57.6	10	27	4.5
Beck 112	18.2		59.4	0	23	4.3
SS MPV-57	17.9	101.1	53.9	0	26	5.4
KY 96C-0786-3-2	17.8	102.4	53.1	0	25	4.0
USG 3910	17.7	98.4	56.4	0	23	4.6
AgriPro COKER Cooper	17.7	112.2	54.8	0	24	4.2
AgriPro COKER COKER 9511	17.0	94.3	58.3	10	25	5.0
Delta King 9577	16.7	94	60.1	0	26	3.6
Delta Grow 1600	16.6	98.6	59.3	0	27	2.6
Exsegen Lydia	16.4	93.4	58.1	0	24	4.9
SS 8302	15.5	100.1	58.6	0	24	5.3
KY 97C-0546-17-05	15.4		53.9	0	22	3.1
Delta King XTJ 730	15.3		57.8	0	26	2.8
KY 97C-0574-01-04	15.3		60	8	23	3.9
Dixie 989	15.3		58.7	0	26	3.3
Cumberland	15.1	90.4	59.7	0	23	4.0
Pioneer variety 26R87	15.0	91	60.4	0	25	4.2
KY 97C-0574-01-03	14.6		58.5	10	23	4.0
Jamestown	14.6		58.6	0	24	4.2
KY 96C-0769-7-3	14.6		59.1	0	22	4.3
MO 011126	14.4		58.7	5	23	5.4
Ebberts 501	13.7	99.1	57.1	0	24	5.8
VA 02W-555	13.3		53.8	0	23	4.4
Exsegen Rachel	12.9	95.5	56.9	0	22	5.4
SS 8404	12.9	89.8	60.1	0	24	4.7
Vigoro V9611	11.7	90.6	59.3	0	25	3.5
SE 4006	11.6		57.8	0	25	5.4
SE 0377-4	11.0		56.8	0	23	5.3
Beck 117	10.4	94.1	58.1	5	23	5.3
Pembroke	9.8	100.9	58.8	0	23	5.1
Adler 575	9.4	91	61	8	23	3.6
SS 520	8.3	98.2	56.6	0	22	4.9
USG 3342	6.5		59.1	0	22	4.7
AVERAGE	22.0	97.8	57.6	5	25	4.1
C.V.	21.5					
LSD (0.05)	6.6					

* 2007 Location: Fulton, Co. — TEST SUSTAINED SEVERE FREEZE INJURY
 Planting date: 10-13-06; Harvest date: 6-22-07; Tillage = No-Till; Preceding crop = corn.
 Heading data unavailable, compromised by freeze.
 Freeze note: at time of freeze (April 7) most varieties were at Feekes 9-10.0 with a few at 8 and 10.1.
 ** Freeze Damage: Average of stem and canopy damage ratings - based on visual observation
 1 = no damage, 8 = severe damage.

Table 8. 2007 Kentucky Wheat Test - Western Coal Field Region*.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height	Freeze Damage
	2007	2006	(Lb/bu)	(%)	(In)	Rating
	2007	2006	2007	2007	2007	2007
AgriPro COKER W1377	63.0		59.5	0	29	2.1
KY 97C-0519-04-07	58.0		54.2	0	27	3.8
Truman	53.8		56	0	34	1.5
Pioneer variety 25R63	51.4		57.7	0	28	4.4
AgriPro COKER Branson	51.4	94.3	56	0	28	3.8
Pioneer variety 26R22	51.0	104.8	57.3	0	27	3.9
KY 97C-0321-02-01	50.3		55.9	0	27	4.7
MSU 1007R	48.8		56.2	0	27	5.0
Ebberts 575	46.8		57.7	0	31	4.2
Pioneer variety 25R54	46.8	96.3	52.4	0	26	3.8
Bess	46.5		57.3	0	28	4.3
KY 93C-1238-17-1	46.2	93.3	59	0	28	3.8
Steyer Fatzinger	45.7		56.6	0	29	5.0
SS 8309	45.7	91.1	57.2	0	27	5.4
Ebberts 570	45.7		55.7	0	30	4.3
Delta King XTJ 730	44.5		55.9	0	27	3.9
Steyer Morral	44.2	93.6	56.9	0	26	2.9
Exsegen Dinah	44.0		56.5	0	27	4.9
Pioneer variety 26R15	43.8	90.3	57	0	27	4.6
KY 96C-0786-3-2	43.4	94.6	58.2	0	27	3.9
KY 97C-0546-20-05	43.3		55	0	28	5.3
Jamestown	43.2		60.8	0	25	4.5
Beck 122	42.8	98.8	54.7	0	29	4.0
Delta King 7710	42.4	96.8	55.5	0	30	6.4
Delta Grow 4100	42.3	91.4	57.9	0	29	4.0
VA 02W-555	42.1		56.1	0	24	4.3
Blend	42.0		57.6	0	27	4.7
USG 3350	41.7	92.5	57.6	0	29	5.6
MO 011126	40.8		52.7	0	26	7.5
Delta Grow 1600	40.5	92.3	56.7	0	28	3.8
Dixie 989	40.3		54.8	0	28	4.2
Exsegen Leah	40.2	89.0	54	0	25	5.7
Vigoro V9712	40.0		57.5	0	26	3.3
JGL EXP 701	39.8		54.8	0	29	5.0
Delta King 9577	39.8	96.5	55.9	0	27	3.8
KY 96C-0769-7-3	39.5		57.2	0	26	4.2
JGL EXP 703	39.4		56	0	30	5.0
EXCEL 173	39.3	88.8	57.6	0	30	7.9
AgriPro COKER Cooper	39.1	100.9	55.4	0	27	4.7
Exsegen Judith	38.8	96.3	54.2	0	28	6.3
Delta Grow 5200	38.8		57.3	0	30	4.9
Vigoro V9710	38.6		56.6	0	25	3.9
Steyer Alma	38.5	100.5	56.4	0	25	4.9
Steyer Hammon	38.4		59.1	0	28	4.4
Dixie 900	38.3		56.2	0	30	5.3
KY 97C-0574-01-03	38.2		49.6	0	27	5.7
Delta Grow 4500	38.2		56.6	0	30	5.8
Clark	37.9	88.0	57	0	28	6.0
KY 97C-0546-17-05	37.9		54.4	0	26	5.0
Cumberland	37.5	84.2	56.8	0	25	5.3
AgriPro COKER Beretta	37.4		52.8	0	26	3.6
Exsegen Rachel	37.0	84.3	57.4	0	26	7.5
SS 8404	36.6	91.8	56.9	0	24	5.1
SS 560	36.2	91.2	56.7	0	25	5.3
Vigoro V9611	35.9	92.3	56.1	0	27	4.0
AgriPro COKER COKER 9511	35.4	82.9	56.1	0	26	5.7
KY 97C-0574-01-04	35.4		48.3	0	27	5.8
USG 3910	34.9	92.4	57.3	0	27	6.7
Exsegen Lydia	34.8	93.4	57.4	0	24	5.6
Ebberts 501	34.3	94.7	56.1	0	26	6.0
SE 0377-4	33.7		57.1	0	28	6.4
Adler 575	33.3	93.7	58.1	0	26	4.4
Pembroke	33.3	93.4	54.6	0	26	7.5
Beck 112	33.1		56	0	24	7.2
SE 4006	32.7		56.4	0	27	5.4
Pioneer variety 26R87	32.0	87.6	58	0	25	7.4
SS 8302	31.7	96.5	48.8	0	25	6.1
USG 3342	31.2		57.7	0	22	6.4
Beck 117	30.2	90.5	53.8	0	25	6.3
SS MPV-57	29.5	99.6	54	0	26	8.5
SS 520	28.9	96.7	55.9	0	27	6.4
Chesapeake	28.4	88.4	57.1	0	23	5.3
AVERAGE	40.4	93.1	56.1	0	27	5.1
C.V.	11.0					
LSD (0.05)	6.2					

* Location: Caldwell Co. — TEST SUSTAINED SEVERE FREEZE INJURY
 Planting date: 10-10-06; Harvest date: 6-21-07; Tillage = No-Till; Preceding crop = corn.
 Heading data unavailable, compromised by freeze.
 Freeze note: at time of freeze (April 7) most varieties were at Feekes 9 with several at 8 and 10.0.
 Freeze Damage Rating: 1 = no damage, 8 = severe damage to plants - based on visual observation.

Table 9. 2007 Kentucky Wheat Test - Ohio Valley Region*.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height	Heading Date
	2007	2006	(Lb/bu)	(%)	(In)	> May 1
	2007	2006	2007	2007	2007	2007
Truman	80.2		58.3	0	35	10
KY 97C-0519-04-07	72.7		60	0	30	8
AgriPro COKER W1377	71.5		63.5	0	31	6
Pioneer variety 25R54	71.1	101	59.1	0	30	6
Ebberts 570	71.0		60.9	0	34	5
MSU 1007R	70.4		61.4	0	31	6
Pioneer variety 26R15	69.5	102.8	61.1	0	30	6
Delta Grow 5200	67.9		61.8	8	34	6
JGL EXP 701	67.6		59.9	0	31	6
Steyer Alma	67.5	104.1	62.1	0	29	6
KY 97C-0321-02-01	67.4		60.2	0	29	7
Delta Grow 4100	67.1	98.5	61.9	0	34	6
Dixie 989	66.5		62	0	30	7
Beck 122	66.5	102.7	60.4	0	33	5
SS 8309	66.4	94.6	61.7	0	31	6
Pioneer variety 26R22	66.2	95	60.5	0	32	6
Pioneer variety 25R63	66.1		61.6	0	31	6
MO 011126	65.2		61.8	0	32	7
Pembroke	65.0	108.6	60.5	0	27	7
Steyer Fatzinger	64.6		60.6	0	32	5
Ebberts 575	64.3		60.7	0	34	6
USG 3350	64.1	105.4	59.9	3	32	6
Delta Grow 4500	63.5		61.4	13	34	6
Dixie 900	63.3		60.5	3	32	6
Vigoro V9611	62.9	98	61.3	0	30	6
KY 96C-0769-7-3	62.5		62.3	0	26	6
KY 97C-0574-01-03	61.9		60.6	0	28	6
KY 97C-0574-01-04	61.8		60.7	0	28	6
KY 96C-0786-3-2	61.8	98.2	61.8	0	28	6
Blend	61.6		60.2	0	29	6
AgriPro COKER Beretta	61.4		61.6	0	29	6
Exsegen Judith	61.3	98	58.3	0	31	6
Adler 575	61.2	90.8	61.8	0	29	6
JGL EXP 703	61.0		59.8	0	30	6
AgriPro COKER Cooper	60.8	99.2	61	0	27	6
Exsegen Leah	60.6	84.2	60.2	0	28	6
Steyer Hammon	60.5		60.4	0	33	6
Steyer Morral	60.5	95.8	62.2	0	28	6
Beck 112	60.4		62	0	27	6
Cumberland	60.2	87.4	62.5	0	30	6
Delta King XTJ 730	60.1		60.8	0	31	7
Delta King 9577	59.7	94.1	60.6	0	28	6
Delta Grow 1600	59.1	99.4	61.7	0	31	6
USG 3910	59.1	98.4	62.3	9	28	5
AgriPro COKER COKER 9511	58.9	99.2	63.7	0	30	5
Ebberts 501	58.3	107.7	62	4	31	5
Chesapeake	57.3	93.2	61.1	0	25	6
KY 97C-0546-17-05	57.2		60.9	0	28	6
SS MPV-57	56.3	97.3	57	3	28	7
Exsegen Dinah	56.1		62.5	0	30	6
SS 8302	55.3	96.9	61.4	0	29	7
VA 02W-555	55.0		60.3	0	25	6
AgriPro COKER Branson	54.9	110	61	0	28	5
KY 97C-0546-20-05	54.6		60.8	0	29	6
KY 93C-1238-17-1	54.1	92.5	62.5	0	28	6
Beck 117	53.5	94.5	62.5	0	29	5
Bess	53.2		62	0	30	6
Exsegen Lydia	52.6	84.5	61.4	0	26	7
EXCEL 173	52.2	88.9	60.6	0	30	6
Jamestown	51.6		63.7	0	25	5
Delta King 7710	51.5	97.8	55.6	6	29	7
SS 8404	51.3	87.2	62.7	0	24	6
Vigoro V9712	49.6		62.6	0	26	6
USG 3342	48.9		61.6	0	23	6
SS 560	48.8	109.9	59.4	0	27	6
SE 0377-4	46.6		61.1	0	30	5
SS 520	45.9	96.6	58.9	0	28	6
SE 4006	45.9		61	0	27	5
Exsegen Rachel	45.5	84.9	60.4	0	26	6
Vigoro V9710	44.8		61.1	0	24	5
Pioneer variety 26R87	44.7	90.6	58.7	0	26	6
Clark	43.7	83.8	61	0	31	5
AVERAGE	59.6	96.5	61.0	1	29	6
C.V.	14.0					
LSD (0.05)	11.6					

* Location: Webster Co. — TEST SUSTAINED MINOR - MODERATE FREEZE INJURY.
Planting Date: 10/25/05; Harvest date: 6-17-07; Conventional tillage; Preceding crop: corn.
Freeze damage note, most varieties were at Feeks 7-8 at time of freeze.

Table 10. 2007 Kentucky Wheat Test - Bluegrass Region*.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height	Heading Date	1000 kernel
	2007	2006	(Lb/bu)	(%)	(In)	> May 1	weight (g)
	2007	2006	2007	2007	2007	2007	2007
AgriPro COKER W1377	92.0		61.5	0	34	11	28.79
KY 97C-0519-04-07	91.5		57.4	0	31	12	31.54
MSU 1007R	89.5		60.5	0	32	11	31.56
KY 93C-1238-17-1	88.8	113.2	61.2	0	32	9	29.65
KY 97C-0574-01-03	87.6		60	0	32	11	35.08
AgriPro COKER Branson	86.9	112.5	59.2	0	30	10	28.92
Delta King XTJ 730	85.5		57.4	0	31	11	24.2
KY 97C-0546-20-05	85.1		58.8	0	32	11	29.93
KY 97C-0546-17-05	84.9		58	0	29	11	32
Pioneer variety 25R63	84.8		58.8	0	30	9	30.75
Pioneer variety 25R54	84.7	112.3	57.5	0	29	11	29.43
AgriPro COKER Cooper	84.7	103.7	59.1	0	30	11	27.76
Beck 122	84.6	110.5	58.2	0	34	10	28.38
KY 97C-0321-02-01	84.5		57.5	0	30	11	30.04
JGL EXP 703	83.9		56.6	0	32	12	30.13
Bess	83.9		61	0	33	12	28.59
KY 96C-0786-3-2	83.8	107	60.5	0	32	11	33.65
Blend	83.4		58.9	0	33	11	29.95
Vigoro V9611	83.2	113.7	59	0	31	11	25.57
Pioneer variety 26R15	83.1	112.8	58.4	0	33	11	28.13
MO 011126	83.1		59	0	32	11	33.29
AgriPro COKER COKER 9511	83.0	103.2	63.1	0	35	9	30.27
Exsegen Dinah	82.9		60.4	0	33	11	29.72
Dixie 989	82.8		57.6	0	32	11	24.56
Vigoro V9712	82.8		60	0	30	11	28.55
SS MPV-57	82.6	122.3	57.9	0	33	12	28.51
KY 97C-0574-01-04	82.6		60	0	32	11	34.99
Truman	82.5		58.2	0	35	16	26.71
Ebberts 570	82.2		58.2	0	33	10	28.25
Steyer Fatzinger	81.3		58	0	34	9	28.1
Delta King 9577	81.2	101.8	59.1	0	31	11	25.91
Delta Grow 1600	81.0	111.3	58	0	31	11	24.44
AgriPro COKER Beretta	81.0		58.1	0	30	11	27.24
Adler 575	80.9	117.4	58.6	0	31	11	25.65
JGL EXP 701	80.9		56.8	0	32	11	25.2
USG 3350	80.5	92.7	59	0	34	11	29.12
Ebberts 575	80.3		59.1	0	35	12	32.37
Delta Grow 5200	79.4		59.3	0	33	11	26.08
EXCEL 173	79.2	86.3	59.7	3	33	11	29.94
Pioneer variety 26R22	79.2	108	57.3	1	31	9	29.75
Steyer Morral	78.9	106.9	59.5	0	29	11	27.23
Steyer Alma	78.7	111.8	59.1	0	30	11	25.74
Ebberts 501	78.6	106.6	61.2	0	32	9	30.14
SS 8302	78.5	101.6	59.1	0	30	12	30.76
Cumberland	78.2	98.5	61.5	0	30	11	28.33
SS 8309	78.1	104.1	59	0	30	11	25.98
Beck 117	78.0	101.7	61.4	0	32	10	29.81
Delta Grow 4500	77.7		59.3	0	34	11	29.66
SE 0377-4	77.5		58.6	4	33	9	28.45
KY 96C-0769-7-3	77.2		60.4	0	28	11	31.19
USG 3910	77.0	105.3	60.8	0	32	10	29.67
Vigoro V9710	76.8		59.2	0	29	7	28.12
Pembroke	76.5	113.4	60.3	0	30	11	32.72
USG 3342	76.4		60	0	27	9	31.49
Exsegen Judith	76.3	90.6	59.1	0	33	12	29.15
VA 02W-555	76.1		56.6	0	27	11	32.04
Steyer Hammon	76.1		59.2	0	33	11	26.67
Beck 112	75.6		60.3	0	30	11	28.75
Clark	75.1	80.9	60.3	0	33	9	30.23
SS 8404	74.9	74.3	61.9	0	27	11	30.33
Exsegen Leah	74.4	96.5	58.5	0	28	12	23.99
Dixie 900	74.3		59.3	0	33	11	28.33
Chesapeake	74.1	113	59.2	0	28	10	32.14
Exsegen Lydia	73.8	101.1	59.7	0	29	11	27.66
Delta Grow 4100	73.2	90.2	59.5	0	33	11	26.63
SE 4006	72.5		58.9	10	32	8	29.14
Exsegen Rachel	71.3	104.1	58.5	0	29	10	31.69
Jamestown	71.2		62.2	0	27	8	25.32
Delta King 7710	70.6	95.8	59.6	0	33	12	30.03
SS 560	70.2	114.8	59.3	0	28	12	25.35
SS 520	69.8	116.8	58.1	0	32	9	27.79
Pioneer variety 26R87	69.5	109.3	61	0	30	10	36.07
AVERAGE	79.9	104.5	59.3	0	31	11	29.07
C.V.	6.9		1.1				
LSD (0.05)	7.7		0.9				

* Location: Bluegrass Region - Fayette County; Conventional tillage; Minor freeze damage.
 Planting Date: 10/30/06; Harvest date: 6-18-07; Preceding crop = corn.
 Freeze note: at time of freeze (April 7) plants were at Feekes 6.

Table 11. 2007 Kentucky Wheat Test - Southern Tier Region*.

VARIETY	Yield (Bu/A)		Test Wt. (Lb/bu)	Lodging (%)
	2007	2006	2007	2007
AgriPro COKER W1377	74.9		59.7	0
Truman	74.5		57.3	0
AgriPro COKER Branson	72.3	93.9	56.4	0
Pioneer variety 26R15	67.7	88.9	54.9	0
Pioneer variety 25R54	67.0	85.8	55	0
Pioneer variety 25R63	66.3		56.4	0
MSU 1007R	65.9		56.5	0
Pioneer variety 26R22	65.9	80	55.1	0
KY 97C-0519-04-07	64.6		53.4	0
Beck 122	63.7	86.9	56.2	0
Steyer Morral	61.6	95.7	56.4	0
KY 96C-0786-3-2	61.4	97.2	56.6	0
JGL EXP 701	61.0		53.3	0
Vigoro V9712	60.9		56.5	0
KY 93C-1238-17-1	60.5	94.3	57.8	0
KY 97C-0574-01-04	60.3		56.9	0
Exsegen Dinah	60.0		58.1	0
VA 02W-555	59.9		54.4	0
Delta Grow 1600	59.9	89.4	55	0
MO 011126	59.8		58.2	0
KY 97C-0546-20-05	59.7		54.8	0
SS 8309	59.5	82.6	56.3	0
Ebberts 575	58.7		57.6	0
KY 97C-0574-01-03	58.6		56.4	0
Steyer Fatzinger	58.6		55.4	0
Delta Grow 5200	58.6		57	0
Delta King 7710	58.2	94.1	55.6	0
Cumberland	58.0	87.1	57.3	0
Delta Grow 4100	57.1	80.1	56.4	0
KY 96C-0769-7-3	57.0		56.1	0
KY 97C-0321-02-01	56.7		55.5	0
JGL EXP 703	56.3		55.3	0
Steyer Hammon	56.3		56.9	0
Delta King XTJ 730	56.2		53.5	0
SS 8302	56.1	88.9	55.5	0
Clark	55.4	77	57.1	0
Beck 112	54.7		56.5	0
Exsegen Leah	54.7	81.9	54.3	0
Jamestown	54.6		58.5	0
Vigoro V9710	54.5		54.5	0
Exsegen Judith	54.4	91.4	56.7	0
Blend	54.3		56.4	0
USG 3350	54.2	84.6	57.6	0
AgriPro COKER Beretta	53.9		54.3	0
Exsegen Rachel	53.9	75.4	57.4	0
Ebberts 570	53.9		56.3	0
AgriPro COKER COKER 9511	53.8	85.3	58.9	0
AgriPro COKER Cooper	53.3	88.8	55.6	0
Beck 117	53.2	80.7	57.2	0
Dixie 989	52.1		55.1	0
Delta King 9577	51.8	93.4	54.9	0
Pembroke	51.5	86.4	56.1	0
Delta Grow 4500	51.4		57.2	0
Pioneer variety 26R87	51.1	91.3	58.5	0
Steyer Alma	50.9	94.5	55.1	0
Chesapeake	49.9	82.5	56.8	0
Ebberts 501	49.8	84.2	57.4	0
SE 4006	49.7		55.9	0
Vigoro V9611	49.6	84.2	53.7	0
Dixie 900	49.3		57.3	0
SS 8404	49.3	84.9	57.7	0
USG 3910	48.8	75.8	56.8	0
SE 0377-4	48.2		56	0
Bess	47.0		57.1	0
Exsegen Lydia	46.1	82	56.9	0
KY 97C-0546-17-05	46.0		52.7	0
EXCEL 173	45.8	70.2	55.9	0
Adler 575	43.6	93.3	53.9	0
SS 520	39.4	83.3	52	0
SS 560	39.2	90.1	53.6	0
USG 3342	38.9		55.3	0
SS MPV-57	34.3	103.9	51.4	0
AVERAGE	55.5	86.8	56.0	0
C.V.	10.9			
LSD (0.05)	8.4			

* Location: Logan Co. — TEST SUSTAINED MODERATE FREEZE INJURY
 Planting date: 10-24-06; Harvest date: 6-20-07; Tillage = Conventional;
 Preceding crop = corn.
 Heading data unavailable, compromised by freeze.
 Freeze note: at time of freeze (April 7) most varieties were at Feekes 8-9.

Table 12. 2007 Kentucky Wheat Test - North Central Region*.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height
	2007	2006	(Lb/bu)	(%)	(In)
AgriPro COKER W1377	91.6		58.5	10	34
KY 97C-0519-04-07	89.3		55	0	31
Truman	87.7		57.1	0	36
Pioneer variety 25R63	87.0		56.1	0	30
AgriPro COKER Branson	87.0	105.1	55.3	0	30
MSU 1007R	85.5		58	0	32
KY 97C-0321-02-01	85.2		54.9	0	30
SS 8309	84.4	100.3	56.1	0	30
Pioneer variety 25R54	82.2	100.2	55.2	0	30
Ebberts 575	81.3		53.7	13	34
Pioneer variety 26R15	80.8	100.1	56.4	0	32
MO 011126	80.6		58	1	32
Pioneer variety 26R22	80.4	108.6	55.8	0	31
JGL EXP 703	80.1		53.4	0	32
Ebberts 570	78.2		56.3	0	33
Steyer Fatzinger	77.8		54.7	0	34
Beck 122	77.5	101.9	55.8	1	34
Vigoro V9712	75.7		56.5	0	30
KY 97C-0546-20-05	75.1		53.5	0	32
AgriPro COKER Beretta	74.2		56	0	30
Steyer Morral	74.2	96.3	57.7	0	29
Delta Grow 1600	74.1	96.8	52.8	0	31
Exsegen Dinah	73.5		57.1	0	33
KY 96C-0786-3-2	72.4	103.4	50.2	0	31
KY 97C-0574-01-03	72.1		52.5	0	32
JGL EXP 701	71.4		54.3	0	32
Delta King XTJ 730	71.1		54.3	0	31
SS 560	70.3	105.5	54.6	0	28
SS 8404	70.2	82.6	59.3	0	27
KY 97C-0574-01-04	69.8		52.4	0	32
VA 02W-555	69.0		48.4	0	27
Delta Grow 5200	69.0		56.3	6	33
AgriPro COKER Cooper	67.6	93.4	50.4	0	30
Pembroke	67.1	100.6	54.1	0	30
Delta King 9577	66.7	96.2	50.5	0	31
Ebberts 501	66.4	92.2	52.1	0	31
Steyer Alma	66.4	102.7	54.7	0	30
USG 3350	66.4	96.7	55	0	34
Vigoro V9710	66.3		57.3	0	29
KY 93C-1238-17-1	66.1	99.2	56.2	0	32
Dixie 989	66.0		53.4	0	32
Exsegen Leah	65.6	90.7	53.2	1	28
Bess	64.2		56.1	0	33
Steyer Hammon	64.2		56.4	0	33
Adler 575	63.6	94	51.5	0	31
Blend	63.5		55.1	0	33
KY 96C-0769-7-3	62.9		54.1	0	28
Delta Grow 4100	62.7	84.7	53.6	0	33
Beck 112	62.6		56.3	0	30
KY 97C-0546-17-05	61.6		50	0	29
Vigoro V9611	60.8	93.3	53	0	31
Chesapeake	60.3	88.9	47	0	28
Dixie 900	60.2		55.3	0	33
Exsegen Lydia	59.2	95.7	54.2	0	29
Jamestown	59.2		59.1	0	27
Delta King 7710	58.7	96.4	50.9	0	33
Pioneer variety 26R87	56.8	83.7	57.8	0	29
SS 8302	56.2	88.9	51.7	0	30
Beck 117	55.9	89.9	52.4	0	32
EXCEL 173	54.9	80.9	56.6	0	33
USG 3342	54.4		49.2	0	27
Delta Grow 4500	54.1		53.7	0	34
SS MPV-57	53.8	94.8	48.9	0	32
AgriPro COKER COKER 9511	52.6	95.4	50.9	0	34
Exsegen Rachel	51.0	86.5	52.5	0	29
SS 520	50.7	90.3	47.9	0	31
Clark	50.5	82.7	57.7	0	33
Cumberland	50.3	89.4	57.6	0	30
USG 3910	50.0	100.6	50.4	0	31
Exsegen Judith	49.8	99.1	52.3	0	34
SE 0377-4	48.2		54.9	0	33
SE 4006	45.8		55	0	32
AVERAGE	67.5	94.8	54.2	0	31
C.V.	8.6				
LSD (0.05)	8.1				

* Location: Larue Co. — TEST SUSTAINED MINOR-MODERATE FREEZE INJURY
 Planting Date: 10/24/06; Harvest date: 6-20-07; Tillage = No-Till; Preceding crop: corn.
 Freeze damage note, most varieties were at Feeks 8 at time of freeze.

Table 13. 2007 Kentucky Barley Test.

VARIETY	Yield (Bu/A)		Test Wt.	Lodging	Height	Heading Date	Freeze Damage
	2007	2001-07	(Lb/Bu)	(%)	(In)	> April 1	Rating
	2007	2001-07	2001-07	2001-07	2001-07	2001-07	2007
Thoroughbred	96.4	101.5	46.0	21	33	23	4.3
Price	77.2	96.9	45.8	24	31	21	6.3
AVERAGE	86.8	99.2	45.9	23	32	22	5.3

Location: W. Coalfield Region, Princeton, KY.

Planting date: 10-14-06; Harvest Date: 6-7-07; Previous crop: Corn; Conventional tillage.

2007 Freeze Damage Rating: 1 = No Damage, 8 = Severe Damage, based on visual observation.

Table 14. 2007 Kentucky Hulless Barley Test.

VARIETY	Yield (Bu/A)		Test Wt.	Height	Heading Date	Freeze Damage
	2007	2006-07	(Lb/Bu)	(In)	> May 1	Rating
	2007	2006-07	2007	2007	2007	2007
VA05H-158	66.74		57	28	5	4.2
VA05H-113	65.96		56.9	28	3	3.2
VA05H-131	65.54		54.5	27	6	3.2
VA05H-134	64.61		57.8	29	6	3.2
VA03H-64	63.16	63.4	55.9	32	3	4.7
VA04H-53	63.16	62.3	56.5	31	6	5.3
VA03H-61	62.85	64.2	58.9	32	1	2.0
VA05H-147	59.95		57.3	30	2	4.2
VA05H-144	59.04		58	30	5	4.2
VA03H-100	58.48	62.9	56.4	33	6	5.3
VA05H-115	57.78		56.5	29	5	3.7
VA04H-114	56.81	52.4	56.6	30	6	5.3
VA05H-124	56.5		57.4	30	6	4.7
VA01H-125	56.21	63.5	56	25	4	4.7
VA04H-113	56.04	49.2	56.6	29	7	5.7
VA05H-117	55.96		53.6	28	6	3.7
VA05H-142	55.67		57.1	30	5	3.7
Doyce	55.58	60	57	30	7	7.3
VA05H-108	55.02		56	33	5	4.7
VA05H-15	54.96		54.8	30	7	6.7
VA04H-95	53.97	52.2	55.6	30	7	6.0
VA04H-86	52.44	52.9	56.4	30	6	6.3
Eve	51.74	52.7	56.9	32	4	3.3
VA05H-133	51.61		57.1	30	5	4.7
VA05H-148	51.55		55.6	28	5	3.2
VA04H-25	51.29	54.5	59.3	29	7	5.7
VA05H-137	50.86		57.5	29	4	4.2
VA05H-120	50.69		56.4	29	7	6.7
VA05H-114	50.65		57.9	29	7	6.2
VA05H-157	50.57		56.8	28	7	3.2
VA05H-162	50.29		53.5	28	7	4.7
VA05HDH-212	50.07		57.6	29	4	4.7
VA05H-159	49.44		56.9	29	6	5.2
VA05H-37	49.02		54.8	29	5	4.7
VA05H-161	48.58		55.6	28	6	4.2
VA04H-98	48.29	49.4	54.6	30	7	6.3
VA04H-111	46.54	48.8	53.9	31	6	4.7
VA03H-58	44.32	39.7	57.3	30	6	4.0
VA05H-59	44.13		57.1	28	7	4.2
VA05H-160	42.64		57.1	27	7	5.7
AVERAGE	54.5	55.2	56.5	29	6	4.7

Location: W. Coalfield Region, Princeton, KY.

Planting date: 10-14-06; Harvest Date: 6-7-07; Previous crop: Corn; Lodging=0%; Conventional till.

2007 Freeze Damage Rating: 1 = No Damage, 8 = Severe Damage, based on visual observation.

Table 15. 2007 Kentucky Head Scab (FHB) Nursery Results

VARIETY	2007 Incidence (%)	2007 Severity (%)	2007 Index (%)	2006-07 Index (%)
Adler 575	75.0	29.6	22.2	24.3
AgriPro COKER Beretta	47.5	18.8	8.9	
AgriPro COKER Branson	45.0	19.8	8.9	9.3
AgriPro COKER COKER 9511	35.0	14.1	4.9	6.4
AgriPro COKER Cooper	85.0	23.8	20.2	16.8
AgriPro COKER W1377	92.5	21.1	19.5	
Beck 112	77.5	53.0	41.0	
Beck 117	55.0	29.9	16.5	18.9
Beck 122	65.0	23.0	15.0	15.4
Bess	42.5	10.8	4.6	
Chesapeake	85.0	31.6	26.8	25.8
Clark	50.0	16.7	8.4	17.9
Cumberland	49.4	20.7	10.2	21.9
Delta Grow 1600	71.8	43.5	31.3	25.7
Delta Grow 4100	60.0	18.3	11.0	15.1
Delta Grow 4500	45.0	18.7	8.4	
Delta Grow 5200	38.0	17.0	6.5	
Delta King 7710	40.0	42.7	17.1	16.2
Delta King 9577	70.0	45.1	31.6	24.7
Delta King XTJ 730	77.5	33.4	25.9	
Dixie 900	62.5	20.1	12.6	
Dixie 989	75.0	42.8	32.1	
Ebberts 501	75.0	25.4	19.1	13.8
Ebberts 570	34.2	20.1	6.9	
Ebberts 575	87.5	25.4	22.2	
EXCEL 173	75.0	17.7	13.3	15.3
Exsegen Dinah	75.0	19.3	14.5	
Exsegen Judith	60.0	37.0	22.2	14.6
Exsegen Leah	68.2	31.1	21.2	15.7
Exsegen Lydia	60.0	23.5	14.1	14.3
Exsegen Rachel	67.5	34.6	23.3	14.5
Jamestown	80.0	34.4	27.5	
JGL EXP 701	70.0	29.7	20.8	
JGL EXP 703	62.5	34.2	21.4	
KY 93C-1238-17-1	77.5	26.5	20.6	30.7
KY 96C-0769-7-3	57.5	25.9	14.9	
KY 96C-0786-3-2	85.0	34.3	29.2	29.7
KY 97C-0321-02-01	86.3	52.1	45.0	
KY 97C-0519-04-07	85.0	33.3	28.3	
KY 97C-0546-17-05	85.7	37.2	31.8	
KY 97C-0546-20-05	85.0	38.9	33.1	
KY 97C-0574-01-03	77.5	25.6	19.9	
KY 97C-0574-01-04	82.5	33.3	27.4	
MO 011126	80.0	32.3	25.8	
MSU 1007R	90.0	36.5	32.8	
Pembroke	47.5	31.0	14.7	13.6
Pioneer variety 25R54	83.4	29.8	24.8	27.6
Pioneer variety 25R63	44.2	19.9	8.8	
Pioneer variety 26R15	73.6	28.8	21.2	33.1
Pioneer variety 26R22	90.0	31.3	28.2	35.5
Pioneer variety 26R87	75.0	29.6	22.2	38.9
SE 0377-4	29.4	14.6	4.3	
SE 4006	60.0	28.9	17.3	
SS 520	82.5	37.1	30.6	35.7
SS 560	50.0	22.5	11.3	12.7
SS 8302	65.4	27.1	17.7	13.7
SS 8309	50.0	19.0	9.5	6.7
SS 8404	70.0	45.2	31.7	25.7
SS MPV-57	87.5	27.9	24.4	20.6
Steyer Alma	67.5	33.5	22.6	27.0
Steyer Fatzinger	52.5	24.2	12.7	
Steyer Hammon	40.7	13.0	5.3	
Steyer Morral	71.8	22.2	16.0	16.1
Truman	30.0	13.5	4.0	
USG 3342	59.5	30.6	18.2	
USG 3350	29.1	27.4	8.0	11.0
USG 3910	49.5	32.2	15.9	12.9
VA 02W-555	87.7	25.0	21.9	
Vigoro V9611	92.5	25.6	23.7	21.3
Vigoro V9710	47.5	10.9	5.2	
Vigoro V9712	55.0	19.9	10.9	
AVERAGE	65.4	27.8	19.0	20.0

Head Scab data collected at Lexington Scab Nursery. *2007 Vomitoxin (DON) levels and Fusarium Damaged Kernel (FDK %) data from nursery will be posted at www.uky.edu/Ag/WheatVarietyTest when available.

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.

Planting date: 10-24-06; Scabby corn (inoculated with cultures of 15 Fusarium isolates) applied to nursery 4-25-07.

Table 16. 2006 Kentucky Wheat Disease Ratings.*

VARIETY	Powdery Mildew	Leaf Rust	WSMV	Stripe Rust**
Adler 545	8.0	1.3	3.0	
Adler 575	3.3	2.5	1.8	
Adler 625	5.5	1.5	3.5	
AgriPro COKER Branson	3.0	2.8	3.0	
AgriPro COKER COKER 9511	4.0	1.0	1.8	3.4
AgriPro COKER COKER 9553	2.3	2.5	1.5	
AgriPro COKER Cooper	5.0	4.8	2.3	6.0
Beck 117	2.4	1.8	1.0	3.1
Beck 122	3.8	5.8	2.0	
Bravo	6.3	7.0	3.0	
Clark	5.0	2.8	1.8	7.5
Croplan Genetics 8301	2.5	1.8	2.0	
Cumberland	3.2	5.0	1.8	
Delta Grow 1600	4.0	1.8	1.5	
Delta Grow 4100	6.7	1.5	3.5	
Delta King 7710	6.3	1.0	1.3	1.9
Delta King 7830	7.3	1.0	3.0	2.6
Delta King 9410	7.4	1.0	2.8	2.8
Delta King 9577	4.3	2.8	2.3	3.3
Ebberts 501	2.6	1.6	2.0	
Ebberts 518	4.0	2.3	2.5	
EXCEL 173	5.1	2.0	2.0	
EXCEL 211	7.5	1.5	3.0	2.5
EXCEL 212	3.3	3.5	2.3	
EXCEL 307	7.3	1.0	3.3	2.3
EXCEL 361	6.5	1.3	2.5	
EXCEL 392	2.8	3.5	2.0	
EXCEL 399	7.5	1.3	3.5	2.3
EXCEL 410tw	7.5	1.9	2.8	
Exsegen Judith	5.5	1.3	1.5	2.0
Exsegen Leah	1.8	1.0	2.5	5.0
Exsegen Lydia	3.0	3.8	1.0	
Exsegen Rachel	1.5	6.5	2.0	3.7
IMI 95047-6-3-18	3.9	3.8	1.8	
IMI 95053-1A-11-6	2.0	1.5	2.0	
JGL EXP 603	6.0	1.3	2.8	
JGL EXP 604	5.3	1.5	3.3	
KY93C-0004-22-1	3.0	4.6	1.3	3.8
KY93C-0378-5-2	3.3	3.0	1.8	3.5
KY93C-1238-17-1	3.8	1.5	3.0	8.1
KY93C-1238-17-2	4.3	3.0	4.0	8.4
KY93C-1238-17-5	4.3	1.8	3.0	7.7
KY94C-0094-11-2	5.3	1.3	1.8	4.6
KY96C-0770-3	5.0	1.5	2.5	
KY96C-0772-6-2	3.3	1.9	1.3	
KY96C-0786-3-2	2.8	3.3	2.0	
Pembroke	2.4	3.3	1.8	2.1
Pioneer variety 25R37	3.0	4.3	2.3	2.5
Pioneer variety 25R54	3.0	2.0	1.5	3.1
Pioneer variety 26R15	2.8	1.0	2.3	3.8
Pioneer variety 26R22	4.3	2.8	2.5	
Pioneer variety 26R87	2.4	1.8	1.3	
SS 520	1.3	1.8	1.0	7.6
SS 560	3.0	2.3	2.0	4.6
SS 8302	5.5	1.8	1.8	2.2
SS 8309	4.0	1.3	2.5	4.1
SS 8404	6.5	1.5	2.0	7.1
SS MPV-57	3.0	3.6	1.0	5.9
Steyer Alma	5.5	5.0	2.3	5.6
Steyer McLane	3.5	4.3	2.3	
Steyer Merrell	3.5	3.3	2.0	2.5
Steyer Morral	3.3	3.8	1.9	
UMD Choptank	1.3	2.1	2.5	4.8
Chesapeake	1.3	3.5	3.3	8.4
USG 3209	2.8	3.5	2.5	2.9
USG 3244	7.0	1.0	4.0	
USG 3350	7.7	1.4	2.8	2.3
USG 3665	4.0	1.8	1.8	
USG 3910	3.0	1.8	1.5	5.2
Vigoro V9410	7.2	1.8	3.5	3.0
Vigoro V9412	2.0	1.0	1.5	3.4
Vigoro V9611	4.0	1.8	1.5	
AVERAGE	4.2	2.4	2.2	4.4**

Ratings: 1=Excellent, 9=Poor.

* 2007 disease pressure was minimal, no data collected.

** Stripe Rust data collected in 2005.

Powdery Mildew and Leaf Rust data collected at 2006 Fayette Co. test.

WSMV data collected at 2006 Caldwell Co. test.

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