

2004 Kentucky Small Grain Variety Trials

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The 2004 wheat growing season ended with Kentucky farmers harvesting 370,000 acres of soft red winter wheat resulting in 20,350,000 bushels of grain. An average yield of 55 bushels per acre was recorded, which is down four bushels per acre from the 2003 growing season (Table 1).

Small grain performance tests were conducted in six of the seven agroclimatic regions of Kentucky (Figure 1). 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 will have a trial conducted in that region for that commodity.

The objective of the Kentucky small grain variety trials 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 seedsmen, farmers, and other agricultural workers with current information to help them select the varieties best adapted to their locality and individual requirements.

Since weather, soil, and other environmental factors will alter varietal performance from one location to another, tests are grown in six locations (Figure 1) in the state.

Table 1. Wheat harvested acreage and yields in Kentucky, 2002-2004.*

Crop	2004		2003		2002	
	Harvested 1000A	Yield Bu/A	Harvested 1000A	Yield Bu/A	Harvested 1000A	Yield Bu/A
Wheat	370	55	330	59	360	53

*July 1, 2004, Kentucky Crop and Livestock Reporting Service

Experimental Methods

Beginning in 1998, varieties were evaluated under both conventional and no-till cultural practices. No-till tests were grown at four locations in addition to the conventional tests, which were grown at five locations.

The plots were planted with specially built multirow conventional and no-till cone seeders. Conventional test plots consisted of six rows to form a plot 4.5 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 6 feet wide and 25 feet long, which was later trimmed to 20 feet in length. Each variety was grown in four replications, and the data presented are the average response from the four replications. Plots were harvested with a small plot combine. Planting dates of all trials for the past three years are listed in Table 2.

In some instances, uncontrollable factors—such as excessive rainfall, winter killing, high winds, hail, grazing cattle, etc.—adversely affected an experiment so that the results were judged unreliable. When this occurred, results are not given for that location and year. Data averaged over a period of years give a more accurate picture of varietal performance than do annual data.

Figure 1. Agroclimatic regions of Kentucky small grain variety trials.

Region	2004 Location	Cooperator	Crop Tested
1. Purchase	Calloway	Jim Stahler	Wheat
2. Western Coalfield	Princeton	Research and Education Center	Wheat
3. Ohio Valley	Morganfield	Jim McElroy	Wheat
4. Bluegrass	Lexington	Kentucky Agricultural Experiment Station	Wheat
5. Southern Tier	Bowling Green	Western Kentucky University Farm	Barley, Wheat
	Logan Co.	Larry Thompson	Wheat
6. North Central	Russellville	Don Halcomb	Barley, Wheat
	Shelbyville	Mike Ellis	Wheat

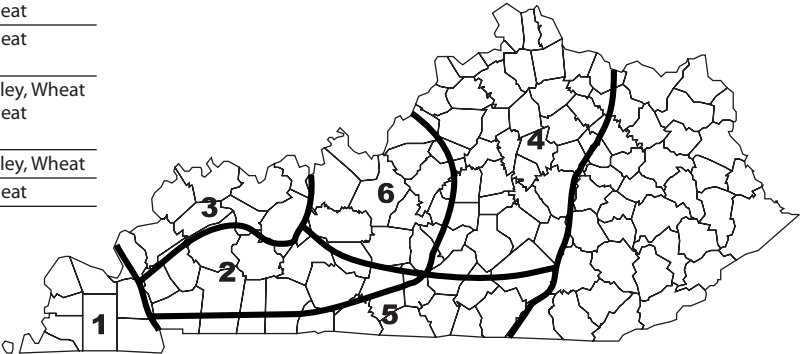


Table 2. Region, location, preceding crop, and planting dates of Kentucky small grain trials, 2002-2004.

Region	Location	Year	Preceding Crop	Current Crop	Planting Date		
					2004	2003	2002
Purchase	Murray	2002-2004	Corn	Wheat	10/20	10/24	10/23
Ohio Valley	Morganfield	2002-2003	Corn	Wheat		10/21	11/1
	Calhoun	2004	Soybeans		10/21		
Bluegrass	Lexington	2002-2004	Corn	Barley	*	10/24	10/10
				Wheat			
				Conventional No-till	10/22 10/22	10/24	10/10
Southern Tier	Russellville	2002-2004	Corn	Barley	10/16	10/17	10/29
				Wheat			10/29
	Bowling Green	2002-2004	Corn	Barley	**	10/18	10/9
				Wheat	10/15	10/18	10/9
				Wheat No-till	10/16	10/17	
Western Coalfield	Princeton	2002-2004	Corn	Wheat			
				Conventional No-till	10/20 10/15	10/22 10/16	10/30 10/22
North Central	Shelbyville	2002-2004	Soybeans	Wheat No-till	10/23	**	10/3

*Barley trial not grown at Lexington, 2004.

**Not harvested.

Results and Discussion

Since genetic expression of a variety is greatly influenced by environmental conditions, it is best to have several years' data from which to draw conclusions. Performance of a variety tested for only one year should not be compared with a three-year average of another variety because it is possible that results in one of the other years were extremely good or poor and thus not comparable.

The yield of a variety is relative and should be compared with the yields of the other varieties in the same experiment and at the same location. Small differences in yield of only a few bushels per acre between two varieties from an individual test should not be interpreted to indicate the superiority of one variety over another. However, if one variety consistently outyields another over a period of several years, the chances are that the differences are real.

Lodging data are very difficult to interpret. A high-yielding variety should not necessarily be downgraded because of a high percentage of lodging for a given year at a given location. Local weather conditions, such as wind and rain, may cause a variety to lodge much more than it normally does. Variety trials normally have a greater degree of lodging than do farmer fields. It should also be emphasized that a variety reported to be 50 percent lodged does not imply that only 50 percent of the grain could be harvested. With good equipment, almost all of the grain can often be saved. Lodging data for a period of years should receive more consideration than annual lodging data since they will give a more accurate picture of varietal performance.

2004 Test Conditions

Weather conditions were favorable for planting the 2004 wheat crop in Kentucky. Most of the crop was planted during the first three weeks of October. The 2004 small grain variety trials were planted within an eight-day period from Oct. 15 to 23. Mild temperatures that prevailed through November and December were conducive to good fall growth and tillering. There was very little winter killing of the wheat crop due to a relatively mild winter. Warm spring temperatures stimulated early green up and good growth in the spring.

Wheat diseases were relatively light with the exception of barley yellow dwarf and fusarium head blight (head scab). Barley yellow dwarf infestations were quite heavy in some areas of the state. Favorable environmental conditions resulted in widespread head scab infections of the wheat crop. As a result, test weights and yields were adversely affected. Most of the variety trials received fungicide and insecticide applications. Some trials were left untreated in order to obtain disease ratings of the varieties.

Small Grain Varieties for 2004

Varieties eligible for certification include (1) varieties that may have potential for Kentucky and (2) older varieties that are still acceptable for production in Kentucky. The characteristics of wheat and barley varieties are summarized in Tables 3 and 13, respectively.

Soft Red Winter Wheat Varieties

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. Yielding ability, straw strength, height, earliness, grain quality, and disease resistance are important in choosing a variety. Varietal performance is presented in Tables 3 through 11.

Winter Barley Varieties

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. Varietal performance data are presented in Tables 13 through 15b.

Certified Seed

Planting certified seed is one of the first steps in ensuring a good small grain crop. The extra cost of certified seed is justified in view of the high quality of seed obtained. Certified seed is seed that has been grown in such a way as to ensure the genetic identity and purity of a variety. Certified seed also helps to maintain freedom from weed and other crop seed and, in some cases, freedom from disease. The Kentucky Agricultural Experiment Station recommends that Kentucky-certified seed be used whenever possible for growing commercial crops of small grains.

Organizations Entering Varieties in the 2004 Kentucky Wheat Variety Trials

SEEDEX 1350 Kansas Ave. Longmont, CO 80501 303-678-7333	Southern States Coop. P. O. Box 26234 Richmond, VA 23260 502-586-5240	Kentucky-American Seeds, Inc. 205 Means Ave. P. O. Box 1104 Hopkinsville, KY 42241 502-886-2582
Pioneer Hi-Bred International, Inc. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806 256-971-0760	Agripro Seeds 520 East 1050 S. Box 411 Brookston, IN 47923 800-858-4603	Virginia Tech P. O. Box 338 Warsaw, VA 22572 804-333-3485
Delta King PO Box 970 McCoy, AR 72101 870-731-5484	Unisouth Genetics 2640-C Nolensville Road Nashville, TN 37211 800-505-3133	Maryland Crop Improvement Assn. 28564 Gilnock Road Easton, MD 21601 410-822-1605
Royster-Clark, Inc. 717 Robinson Road S.E. Washington Courthouse, OH 43160 740-869-2181	Syngenta P. O. Box 729 Bay, AR 72411 919-524-4986	Foundation Seed Project University of Kentucky PO Box 11950 Lexington, KY 40579 859-281-1109
Steyer Seeds 6154 N. County Road 33 Tiffin, OH 44883 419-992-4570	Miles Seed Miles Farm Supply P.O. Box 22879 Owensboro, KY 42304-2879 270-926-2420	

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TABLE 3. CHARACTERISTICS OF WHEAT VARIETIES TESTED IN 2004.*

NAME	SOURCE	YIELD BU/A	TEST WT (LB/BU)	LODGING (%)	HEIGHT (in.)	SURVIVAL (%)	HEADING DATE
Wiley	Steyer Seeds	92	57	14	38	100	April 29
Vigoro V9412	Royster Clark, Inc.	91	58	28	38	100	April 29
SS 8309	Southern States Co-op	90	56	2	38	100	May 1
Delta King XTJ243	Delta King	90	55	12	38	100	April 30
SS 8302	Southern States Co-op	89	55	13	38	100	May 1
25R47	Pioneer Hi-Bred International Inc.	89	53	17	36	100	May 1
USG 3350	Unisouth Genetics Inc.	89	55	9	42	100	April 30
Delta King 9410	Delta King	89	54	13	42	100	April 30
KY90C-292-16.	University of Kentucky	89	54	25	36	100	April 30
EXCEL 307	Bioplant	89	55	15	41	100	April 30
VA97W-024	Virginia Tech	88	54	18	39	100	May 1
USG 3430	Unisouth Genetics Inc.	87	55	12	40	100	April 29
KY93C-0378-5-2	University of Kentucky	87	55	16	38	100	April 30
Vigoro V9212	Royster Clark, Inc.	86	55	21	41	100	April 30
Vigoro V9410	Royster Clark, Inc.	86	55	29	41	100	April 29
26R58	Pioneer Hi-Bred International Inc.	86	53	10	37	100	May 1
KY93C-1238-17-5	University of Kentucky	86	55	40	39	100	April 29
26R15	Pioneer Hi-Bred International Inc.	86	53	17	37	100	April 30
KY93C-0004-22-1	University of Kentucky	86	55	10	38	100	May 1
Weaver	Steyer Seeds	86	55	22	39	100	April 29
Vigoro Tribute	Royster Clark, Inc.	86	57	28	36	100	April 30
KY93C-1238-17-1	University of Kentucky	86	56	22	38	100	April 30
Delta King 7900	Delta King	85	54	16	41	100	April 29
25R37	Pioneer Hi-Bred International Inc.	85	55	24	36	100	May 1
Exsegen Judith	Miles Seed	85	55	23	41	100	May 1
Agripro Cooper	Agripro Seeds	85	54	33	35	100	May 1
SS 8308	Southern States Co-op	85	54	18	37	100	April 30
KY93C-1238-17-2	University of Kentucky	84	56	19	39	100	April 30
MD 71-5	Maryland Crop Improvement Assn.	84	53	13	33	100	April 30
25R78	Pioneer Hi-Bred International Inc.	84	54	8	36	100	April 30
Bascom	Steyer Seeds	84	55	35	41	100	April 30
Delta King 7830	Delta King	83	54	33	41	100	April 29
KAS Declaration	Kentucky-American Seeds, Inc	83	54	22	36	100	May 1
Delta King 7777	Delta King	83	54	20	40	100	May 1
MD 5-46	Maryland Crop Improvement Assn.	83	55	21	35	100	April 30
USG 3209	Unisouth Genetics Inc.	82	53	30	34	100	April 29
Exsegen Rebekah	Miles Seed	82	54	23	37	100	April 30
KAS Allegiance	Kentucky-American Seeds, Inc	82	53	24	41	100	May 2
Roane	Virginia Tech.	82	57	22	36	100	May 1
25R54	Pioneer Hi-Bred International Inc.	82	53	23	38	100	May 1
SS 550	Southern States Co-op	81	53	19	35	100	April 30
Truman	Missouri	81	56	28	40	100	May 8
Delta King XTJ239	Delta King	81	53	2	40	100	May 2
Agripro Benton	Agripro Seeds	80	55	22	35	100	May 2
Exsegen Sarah	Miles Seed	80	54	11	40	100	May 7
KY93C-1238-17-4	University of Kentucky	80	56	33	38	100	April 30
Delta King XTJ261	Delta King	80	54	3	36	100	April 30
NK Coker 9312	Syngenta Seeds Inc.	79	55	32	34	100	April 29
VA97W-375ws	Virginia Tech	79	53	11	33	100	April 30
25R23	Pioneer Hi-Bred International Inc.	79	54	28	37	100	May 3
Delta King 7710	Delta King	79	55	29	41	100	May 1
McCormick	Virginia Tech	79	56	46	35	100	April 30
KAS Independence	Kentucky-American Seeds, Inc	79	53	21	36	100	April 30
USG exp 370	Unisouth Genetics Inc.	79	55	10	35	100	April 30
Exsegen Esther	Miles Seed	79	54	21	37	100	April 29
Delta King 1551W	Delta King	77	54	16	37	100	May 1
Sisson	Virginia Tech.	77	54	17	34	100	April 30
KY94C-0094-11-2	University of Kentucky	77	56	21	36	100	May 2
MD 11-52	Maryland Crop Improvement Assn.	76	55	10	32	100	April 30
NK Coker 9295	Syngenta Seeds Inc.	76	52	20	38	100	May 1
Exsegen Abigail	Miles Seed	75	53	23	32	100	April 30
NK B970051	Syngenta Seeds Inc.	75	53	35	33	100	May 2
NK Coker 9375	Syngenta Seeds Inc.	75	52	26	40	100	April 30
VA98W-170WS	Virginia Tech	74	54	14	37	100	April 29
SS 560	Southern States Co-op	74	53	23	35	100	May 1
SS 520	Southern States Co-op	74	53	23	37	100	April 29
SS 535	Southern States Co-op	74	54	30	36	100	April 30
Clark	Indiana	72	54	15	39	100	April 29
SX 1431W	SEEDEX	70	49	3	31	100	May 2
SX 1404W	SEEDEX	66	51	7	35	100	May 4
SX 1402W	SEEDEX	62	48	2	31	100	May 2
MEAN		82	54	20	37	100	May 1

CV = 12.1

LSD (0.05) = 6.1

* Conventional tests

TABLE 3A. AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 2003 - 2004.*

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	2004	2004	2004	2004
			LODGING (%)	SURVIVAL (%)	HEIGHT (IN)	HEADING DATE
Vigoro V9212	85	56	21	100	41	01 May
25R37	85	57	24	100	36	02 May
26R58	85	54	10	100	37	02 May
25R78	84	56	8	100	36	01 May
25R23	84	56	28	100	37	04 May
Weaver	84	55	22	100	39	30 Apr
KY90C-292-16.	83	56	25	100	36	01 May
Vigoro Tribute	83	58	28	100	36	01 May
KAS Allegiance	83	55	24	100	41	03 May
Bascom	82	55	35	100	41	01 May
McCormick	82	58	46	100	35	01 May
USG 3350	82	56	9	100	42	01 May
KAS Declaration	82	55	22	100	36	02 May
Exsegen Sarah	82	55	11	100	40	08 May
Agripro Benton	80	56	22	100	35	03 May
SS 550	79	55	19	100	35	01 May
Roane	79	58	22	100	36	02 May
USG 3209	79	54	30	100	34	30 Apr
USG 3430	79	55	12	100	40	30 Apr
Exsegen Rebekah	78	56	23	100	37	01 May
VA97W-375ws	78	55	11	100	33	01 May
Exsegen Esther	78	54	21	100	37	30 Apr
KAS Independence	77	55	21	100	36	01 May
NK Coker 9375	77	53	26	100	40	01 May
Sisson	76	55	17	100	34	01 May
SS 560	75	55	23	100	35	02 May
SS 520	75	54	23	100	37	30 Apr
Exsegen Abigail	74	54	23	100	32	01 May
SS 535	74	56	30	100	36	01 May
NK Coker 9295	73	55	20	100	38	02 May
Clark	73	55	15	100	39	30 Apr
VA98W-170WS	73	56	14	100	37	30 Apr
SX 1402W	63	51	2	100	31	03 May
SX 1404W	58	51	7	100	35	05 May
MEAN	79	55	20	100	37	02 May

* Conventional tests

TABLE 3B. AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 2002 - 2004.*

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	2004	2004	2004	2004
			LODGING (%)	SURVIVAL (%)	HEIGHT (IN)	HEADING DATE
25R78	84	57	8	100	36	01 May
25R23	83	57	28	100	37	04 May
25R37	82	58	24	100	36	02 May
KAS Allegiance	82	56	24	100	41	03 May
Exsegen Sarah	81	56	11	100	40	08 May
Vigoro Tribute	80	58	28	100	36	01 May
KAS Declaration	79	56	22	100	36	02 May
McCormick	79	58	46	100	35	01 May
Exsegen Esther	78	55	21	100	37	30 Apr
SS 550	77	56	19	100	35	01 May
VA97W-375ws	77	56	11	100	33	01 May
Exsegen Rebekah	76	56	23	100	37	01 May
KY90C-292-16.	76	57	25	100	36	30 Apr
Roane	75	58	22	100	36	02 May
Sisson	75	56	17	100	34	01 May
USG 3209	74	55	30	100	34	30 Apr
SS 535	73	56	30	100	36	01 May
SS 520	72	55	23	100	37	30 Apr
Clark	70	56	15	100	39	30 Apr
Exsegen Abigail	70	55	23	100	32	01 May
MEAN	77	57	23	100	36	01 May

*Conventional tests

TABLE 4. WHEAT PERFORMANCE TRIALS FOR PURCHASE REGION, 2002 - 2004, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
Delta King XTJ243	95			95	55			55	3	100	40	27 Apr
Delta King 9410	94			94	55			55	0	100	43	27 Apr
SS 8309	94			94	56			56	0	100	39	29 Apr
Excel 307	93			93	54			54	5	100	43	27 Apr
KY93C-1238-17-5	93			93	55			55	26	100	40	26 Apr
USG 3350	93	65		79	56	56		56	3	100	43	27 Apr
KY90C-292-16.	92	58	76	75	54	57	57	56	8	100	37	28 Apr
Delta King 7710	92			92	55			55	8	100	43	30 Apr
Bascom	91	71		81	56	56		56	4	100	42	28 Apr
Exsegen Judith	91			91	56			56	23	100	43	28 Apr
KAS Allegiance	91	79	82	84	55	56	57	56	11	100	42	30 Apr
KY93C-0004-22-1	91			91	56			56	0	100	38	29 Apr
KY93C-0378-5-2	91			91	55			55	0	100	39	28 Apr
25R37	90	64	81	78	56	58	59	58	24	100	38	28 Apr
Delta King 7900	90			90	55			55	19	100	42	27 Apr
Exsegen Rebekah	90	62	71	74	54	57	58	57	19	100	37	27 Apr
KY93C-1238-17-1	90			90	56			56	14	100	42	28 Apr
Vigoro V9412	90			90	58			58	33	100	40	27 Apr
Wiley	90			90	56			56	4	100	40	26 Apr
25R47	89	83		86	54	57		55	21	100	37	28 Apr
SS 8302	89			89	57			57	5	100	40	28 Apr
VA97W-024	89			89	55			55	0	100	41	27 Apr
Weaver	89	74		82	55	56		55	0	100	40	27 Apr
Vigoro V9410	88			88	55			55	13	100	43	26 Apr
USG 3430	87	63		75	55	57		56	0	100	43	26 Apr
Agripro Cooper	86			86	55			55	18	100	37	29 Apr
Delta King 7777	86			86	54			54	8	100	42	28 Apr
Truman	86			86	56			56	18	100	41	06 May
26R15	85			85	55			55	3	100	37	27 Apr
26R58	85	66		76	52	56		54	0	100	38	28 Apr
Delta King 7830	85			85	53			53	34	100	43	27 Apr
Vigoro V9212	85	71		78	54	55		55	29	100	43	27 Apr
25R23	84	74	92	83	56	58	60	58	20	100	38	02 May
USG 3209	84	69	61	71	54	58	57	56	15	100	37	28 Apr
25R54	83			83	54			54	5	100	40	28 Apr
KAS Independence	83	67		75	54	57		56	15	100	38	29 Apr
KY93C-1238-17-4	83			83	57			57	9	100	40	28 Apr
MD 5-46	83			83	54			54	10	100	37	27 Apr
Vigoro Tribute	83	73	80	79	57	59	61	59	15	100	36	27 Apr
Delta King XTJ239	82			82	53			53	0	100	41	28 Apr
KY93C-1238-17-2	82			82	56			56	8	100	39	28 Apr
McCormick	82	73	79	78	56	61	60	59	54	100	36	28 Apr
Exsegen Esther	81	71	84	79	53	56	57	55	6	100	38	28 Apr
Exsegen Sarah	81	67	79	76	55	56	59	57	11	100	40	06 May
MD 71-5	81			81	53			53	0	100	33	28 Apr
NK Coker 9375	81	67		74	53	55		54	21	100	42	28 Apr
Roane	81	57	69	69	56	59	59	58	8	100	36	29 Apr
Sisson	81	73	72	75	54	58	57	56	3	100	35	27 Apr
25R78	80	69	88	79	55	58	59	57	0	100	38	27 Apr
Clark	80	60	69	70	54	55	57	55	23	100	39	27 Apr
Delta King XTJ261	80			80	55			55	0	100	36	28 Apr
NK B970051	80			80	55			55	15	100	35	04 May
KAS Declaration	79	79	80	79	54	56	57	56	3	100	37	28 Apr
SS 550	79	77	74	77	55	57	58	56	4	100	37	28 Apr
KY94C-0094-11-2	78			78	57			57	13	100	38	30 Apr
NK Coker 9295	78	46		62	53	56		55	0	100	40	29 Apr
NK Coker 9312	78			78	55			55	15	100	36	26 Apr
SS 520	78	79	64	74	52	56	56	55	0	100	39	26 Apr
Delta King 1551W	77			77	54			54	0	100	38	29 Apr
Agripro Benton	76	69		73	55	56		56	29	100	37	30 Apr
USG exp 370	76			76	55			55	0	100	36	27 Apr
VA98W-170WS	76	70		73	53	57		55	16	100	39	27 Apr
MD 11-52	73			73	54			54	0	100	34	28 Apr
SS 8308	73			73	54			54	8	100	37	28 Apr
Exsegen Abigail	72	67	57	65	54	55	57	55	0	100	33	28 Apr
VA97W-375ws	71	77	69	72	53	57	57	56	14	100	35	27 Apr
SS 560	69	73	83	75	54	57		55	11	100	37	28 Apr
SX 1404W	66	57		62	52	51		52	5	100	35	02 May
SS 535	64	70	70	68	54	57	58	56	8	100	38	27 Apr
SX 1431W	60			60	50			50	0	100	32	01 May
SX 1402W	52	43		46	50	48		49	0	100	32	01 May
MEAN	83	68	75	80	55	56	58	55	10	100	39	28 Apr

Yield CV = 9.0

LSD (0.05) = 8.7

Location: Calloway Co.

TABLE 5. WHEAT PERFORMANCE TRIALS FOR OHIO VALLEY REGION, 2002 - 2004, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
25R47	104	95		100	55	59		57	16	100	36	28 Apr
KY93C-0378-5-2	103			103	59			59	10	100	39	27 Apr
KY90C-292-16.	102	82	75	86	58	60	59	59	15	100	36	28 Apr
SS 8302	100			100	59			59	4	100	38	29 Apr
Vigoro V9410	100			100	59			59	10	100	44	27 Apr
Agripro Cooper	97			97	59			59	70	100	36	30 Apr
KY93C-1238-17-2	97			97	60			60	34	100	41	27 Apr
USG 3430	97	84		91	58	57		58	8	100	44	26 Apr
Delta King 7830	96			96	58			58	5	100	42	28 Apr
Wiley	96			96	61			61	0	100	37	27 Apr
Delta King 7710	95			95	59			59	60	100	42	28 Apr
Delta King 9410	95			95	59			59	9	100	43	28 Apr
Delta King XTJ243	95			95	59			59	18	100	38	27 Apr
Excel 307	95			95	59			59	5	100	44	27 Apr
25R78	94	79	84	86	59	62	61	60	3	100	36	27 Apr
Vigoro Tribute	94	83	72	83	60	63	62	62	16	100	36	28 Apr
26R58	93	79		86	57	58		57	0	100	37	29 Apr
Vigoro V9412	93			93	59			59	0	100	37	27 Apr
VA97W-024	93			93	58			58	8	100	38	29 Apr
26R15	92			92	58			58	19	100	38	28 Apr
Delta King XTJ239	92			92	58			58	0	100	40	29 Apr
KAS Declaration	92	80	80	84	58	59	59	59	4	100	35	29 Apr
KY93C-1238-17-5	92			92	59			59	21	100	40	27 Apr
25R37	91	82	86	86	58	61	60	60	20	100	38	29 Apr
Delta King 1551W	91			91	58			58	34	100	38	28 Apr
Delta King 7777	91			91	60			60	21	100	41	29 Apr
KY93C-0004-22-1	91			91	58			58	0	100	38	28 Apr
Delta King 7900	90			90	60			60	6	100	41	28 Apr
KAS Allegiance	90	87	81	86	58	60	58	59	0	100	42	29 Apr
McCormick	90	80	74	81	60	61	61	61	51	100	35	29 Apr
USG 3209	90	73	73	79	58	56	60	58	44	100	35	27 Apr
MD 5-46	89			89	59			59	34	100	36	27 Apr
NK Coker 9295	89	75		82	57	59		58	5	100	39	28 Apr
SS 550	89	74	68	77	57	57	59	58	15	100	35	29 Apr
25R23	88	91	73	84	59	61	59	60	18	100	38	01 May
25R54	88			88	57			57	44	100	37	28 Apr
KAS Independence	88	71		80	58	58		58	4	100	37	27 Apr
KY93C-1238-17-1	88			88	59			59	5	100	38	28 Apr
KY94C-0094-11-2	88			88	59			59	11	100	37	29 Apr
USG 3350	88	79		84	58	58		58	0	100	41	28 Apr
Vigoro V9212	88	85		87	57	58		58	0	100	39	27 Apr
Weaver	88	78		83	60	59		59	10	100	39	27 Apr
Exsegen Judith	87			87	59			59	0	100	41	28 Apr
KY93C-1238-17-4	87			87	59			59	30	100	40	28 Apr
SS 535	87	77	63	76	59	60	60	59	35	100	38	27 Apr
SS 8308	87			87	56			56	11	100	37	28 Apr
Bascom	86	89		88	60	59		59	18	100	41	28 Apr
NK B970051	86			86	57			57	55	100	35	01 May
NK Coker 9312	86			86	59			59	23	100	34	28 Apr
Exsegen Rebekah	85	66	68	73	58	58	59	59	33	100	36	28 Apr
NK Coker 9375	85	84		85	56	58		57	11	100	41	27 Apr
Delta King XTJ261	84			84	57			57	4	100	37	28 Apr
SS 560	84	70	79	78	58	57	58	57	38	100	35	29 Apr
SS 8309	84			84	60			60	0	100	37	29 Apr
SX 1431W	84			84	54			54	14	100	34	30 Apr
Exsegen Abigail	82	68	64	71	58	57	58	58	26	100	32	28 Apr
Truman	82			82	59			59	40	100	40	07 May
Agripro Benton	81	80		81	58	59		59	14	100	34	30 Apr
USG exp 370	81			81	58			58	24	100	35	27 Apr
Exsegen Esther	79	72	71	74	57	57	57	57	0	100	36	27 Apr
Roane	79	75	58	71	60	61	61	61	39	100	37	28 Apr
VA97W-375ws	79	77	73	76	58	59	59	59	0	100	32	29 Apr
MD 71-5	77			77	58			58	20	100	32	28 Apr
VA98W-170WS	77	72		75	59	60		59	10	100	37	27 Apr
SX 1404W	76	61		69	57	54		56	8	100	36	01 May
Exsegen Sarah	75	76	71	74	57	56	59	57	21	100	39	06 May
MD 11-52	74			74	58			58	0	100	31	28 Apr
SS 520	73	76	54	68	58	59	58	58	26	100	38	27 Apr
Sisson	71	65	71	69	59	57	60	58	0	100	32	28 Apr
Clark	60	74	56	63	57	59	58	58	5	100	40	27 Apr
SX 1402W	57	65		61	53	52		53	0	100	29	30 Apr
MEAN	88	77	71	85	58	58	59	58	16	100	38	28 Apr

Yield CV = 10.9
LSD (0.05) = 11.2
Location: Union Co.

TABLE 6A. WHEAT PERFORMANCE TRIALS FOR BLUEGRASS REGION, 2002 - 2004, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
Agripro Cooper	93			93	52			52	9	100	32	11 May
SS 8309	92			92	52			52	1	100	35	11 May
Delta King XTJ243	91			91	52			52	10	100	35	09 May
25R54	90			90	52			52	4	100	34	11 May
25R47	88	98		93	50	57		54	0	100	32	11 May
Agripro Benton	88	88		88	53	58		55	4	100	34	11 May
Excel 307	88			88	53			53	23	100	37	11 May
Wiley	88			88	56			56	34	100	36	08 May
Delta King 7900	87			87	51			51	19	100	38	09 May
Vigoro V9410	87			87	54			54	53	100	36	08 May
26R15	86			86	51			51	0	100	34	10 May
SS 8302	86			86	51			51	3	100	34	11 May
Weaver	86	93		90	52	57		54	54	100	36	09 May
Truman	85			85	54			54	9	100	36	17 May
USG 3430	85	83		84	53	55		54	31	100	34	08 May
Delta King 7777	84			84	50			50	8	100	36	10 May
KY93C-0378-5-2	84			84	52			52	0	100	34	10 May
Roane	84	91	60	78	54	58	59	57	9	100	33	10 May
Vigoro Tribute	84	89	55	76	54	58	54	55	11	100	32	10 May
USG exp 370	84			84	53			53	1	100	32	10 May
Vigoro V9412	83			83	56			56	54	100	35	09 May
Delta King 9410	82			82	50			50	18	100	37	11 May
Exsegen Judith	82			82	52			52	26	100	36	12 May
MD 71-5	82			82	50			50	0	100	29	09 May
Vigoro V9212	82	98		90	52	58		55	40	100	36	10 May
25R78	80	99	57	79	52	56	51	53	0	100	33	09 May
Exsegen Esther	79	83	61	74	50	56	57	54	35	100	32	08 May
SS 8308	79			79	49			49	3	100	32	09 May
USG 3350	79	86		83	52	55		54	8	100	37	10 May
KAS Declaration	78	90	40	69	50	56	51	53	26	100	32	11 May
KY94C-0094-11-2	78			78	54			54	33	100	32	10 May
SS 550	78	91	63	77	50	58	53	54	3	100	32	10 May
Sisson	78	95	69	81	49	57	55	54	8	100	31	09 May
Delta King 7830	77			77	52			52	41	100	36	09 May
KY93C-0004-22-1	77			77	52			52	1	100	33	11 May
KY93C-1238-17-2	77			77	52			52	10	100	35	09 May
NK Coker 9312	77			77	51			51	40	100	31	09 May
KY90C-292-16.	76	95	40	70	51	56	49	52	18	100	32	11 May
McCormick	76	91	54	74	53	60	58	57	19	100	30	10 May
USG 3209	76	87	36	66	50	54	53	52	15	100	31	10 May
Bascom	75	95		85	51	57		54	66	100	35	09 May
Delta King 7710	75			75	53			53	18	100	37	10 May
VA97W-024	75			75	48			48	30	100	35	11 May
25R23	74	97	59	77	52	56	60	56	18	100	33	12 May
Clark	74	83	48	68	51	58	56	55	3	100	36	09 May
KY93C-1238-17-4	74			74	53			53	64	100	34	08 May
Delta King XTJ261	73			73	51			51	1	100	33	11 May
NK Coker 9375	73	87		80	49	56		52	3	100	37	11 May
25R37	72	97	58	76	51	63	55	56	3	100	32	12 May
Exsegen Abigail	72	91	44	69	49	58	53	53	10	100	30	09 May
Exsegen Rebekah	72	88	58	73	51	58	59	56	18	100	35	09 May
KY93C-1238-17-1	72			72	52			52	29	100	33	09 May
MD 5-46	72			72	51			51	4	100	30	09 May
VA97W-375ws	72	96	63	77	51	59	55	55	0	100	30	10 May
Exsegen Sarah	71	88	66	75	49	51	57	53	1	100	35	16 May
KY93C-1238-17-5	71			71	53			53	75	100	33	07 May
KAS Allegiance	70	92	64	75	50	59	55	55	39	100	37	12 May
MD 11-52	70			70	50			50	3	100	28	09 May
NK B970051	70			70	47			47	19	100	31	13 May
NK Coker 9295	69	87		78	50	57		54	4	100	34	12 May
SS 520	69	83	58	70	49	58	55	54	0	100	32	10 May
SS 560	69	87	71	76	47	56	56	53	6	100	31	11 May
KAS Independence	67	83		75	52	58		55	40	100	33	09 May
Delta King 1551W	66			66	50			50	10	100	34	12 May
SS 535	65	89	61	72	48	59	56	54	3	100	31	11 May
VA98W-170WS	65	84		75	50	60		55	0	100	32	08 May
SX 1431W	63			68	43			43	0	100	27	12 May
SX 1402W	61	74		63	41	46		44	1	100	29	12 May
26R58	60	99		80	49	56		52	0	100	33	11 May
Delta King XTJ239	59			59	48			48	0	100	34	13 May
SX 1404W	56	73		59	45	51		48	0	100	31	15 May

MEAN

Yield CV = 13.2

LSD (0.05) = 11.9

Location: Lexington

Spindeltop Farm

TABLE 6B. WHEAT PERFORMANCE TRIAL FOR BLUEGRASS REGION, 2004, NO-TILL.

NAME	TEST			SURVIVAL (%)	HEIGHT (IN.)	HEADING DATE
	YIELD (BU/A)	WT (LB/BU)	LODGING (%)			
KY93C-1238-17-4	78	57	5	100	35	10 May
25R47	78	54	0	100	33	11 May
SS 520	74	54	13	100	34	09 May
Agripro Cooper	74	55	15	100	34	11 May
Vigoro V9412	73	59	43	100	34	09 May
MD 71-5	72	56	0	100	29	10 May
KY93C-1238-17-1	71	58	10	100	34	09 May
USG 3209	70	53	15	100	34	11 May
Delta King XTJ243	70	54	0	100	36	11 May
26R15	69	55	0	100	34	11 May
Exsegen Judith	68	57	5	100	38	12 May
SS 8309	67	56	0	100	34	12 May
KAS Declaration	67	54	0	100	34	11 May
25R54	67	56	0	100	35	12 May
Vigoro Tribute	67	57	0	100	33	11 May
NK Coker 9375	66	51	33	100	37	12 May
USG 3350	66	55	0	100	36	10 May
KAS Independence	66	54	15	100	33	10 May
SS 8308	65	57	0	100	31	10 May
25R37	65	58	0	100	31	12 May
SS 535	65	56	10	100	32	12 May
Exsegen Esther	65	54	43	100	33	09 May
Delta King 7830	65	53	23	100	37	09 May
Delta King 7900	65	54	15	100	38	11 May
KY90C-292-16.	65	54	0	100	32	12 May
McCormick	65	58	0	100	30	13 May
26R58	64	51	0	100	35	11 May
VA97W-024	64	55	18	100	35	12 May
SS 8302	64	57	0	100	34	12 May
KY93C-0378-5-2	64	56	0	100	33	12 May
Delta King XTJ239	63	55	0	100	35	13 May
Clark	63	55	0	100	38	09 May
Weaver	63	55	55	100	36	09 May
KY93C-1238-17-2	63	57	0	100	34	12 May
Delta King 9410	63	53	3	100	39	11 May
MD 5-46	63	56	0	100	31	11 May
Delta King XTJ261	63	55	0	100	34	12 May
NK Coker 9312	62	57	38	100	31	10 May
Bascom	62	56	10	100	36	10 May
25R78	62	57	0	100	33	12 May
USG 3430	62	54	15	100	36	09 May
Truman	62	56	15	100	38	16 May
SS 550	61	53	10	100	32	12 May
MD 11-52	61	55	0	100	32	11 May
Delta King 7710	61	54	0	100	37	13 May
USG exp 370	61	54	0	100	31	11 May
KAS Allegiance	60	54	15	100	38	13 May
Wiley	60	57	5	100	34	10 May
Agripro Benton	60	53	0	100	33	12 May
VA98W-170WS	60	55	0	100	32	09 May
Vigoro V9212	60	55	68	100	38	10 May
Exsegen Abigail	59	52	0	100	28	10 May
Exsegen Sarah	59	53	0	100	37	14 May
VA97W-375ws	58	53	10	100	32	11 May
Roane	58	59	0	100	32	12 May
KY94C-0094-11-2	58	53	0	100	35	12 May
Vigoro V9410	58	53	5	100	36	10 May
25R23	58	54	0	100	33	14 May
Excel 307	57	56	5	100	39	11 May
KY93C-0004-22-1	57	55	0	100	35	12 May
NK Coker 9295	56	52	0	100	33	13 May
KY93C-1238-17-5	56	55	10	100	33	10 May
NK B970051	56	52	5	100	30	14 May
Sisson	54	54	0	100	30	11 May
Delta King 1551W	53	51	0	100	32	13 May
Delta King 7777	53	49	0	100	37	13 May
Exsegen Rebekah	52	55	0	100	33	10 May
SX 1431W	46	46	0	100	27	13 May
SX 1404W	45	49	0	100	33	15 May
SS 560	45	52	0	100	32	14 May
SX 1402W	32	41	0	100	27	15 May
MEANS	62	54	7		34	11 May

CV = 16.1

LSD (0.05) = 10.3

Location: Lexington
Spindletop Farm

TABLE 7A. WHEAT PERFORMANCE TRIALS FOR WESTERN COALFIELD REGION, 2002 - 2004, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
25R78	88	74	87	83	54	60	62	59	0	100	37	29 Apr
SS 8308	88			88	55			55	0	100	38	29 Apr
KY93C-1238-17-1	86			86	56			56	0	100	40	29 Apr
VA97W-024	86			86	52			52	3	100	40	30 Apr
26R58	85	73		79	52	58		55	0	100	38	30 Apr
USG 3430	85	72		79	53	58		56	0	100	42	29 Apr
26R15	83			83	51			51	0	100	38	29 Apr
KY93C-1238-17-5	83			83	54			54	10	100	40	29 Apr
USG 3209	83	75	74	77	52	59	59	57	4	100	35	28 Apr
Delta King 9410	82			82	52			52	0	100	45	29 Apr
Excel 307	82			82	55			55	0	100	44	29 Apr
Vigoro Tribute	82	74	81	79	57	62	62	60	21	100	37	29 Apr
KY90C-292-16.	81	72	77	76	54	60	58	57	8	100	39	29 Apr
Delta King 7830	81			81	52			52	10	100	44	29 Apr
USG 3350	80	74		77	54	59		57	0	100	45	30 Apr
Vigoro V9212	80	74		77	54	58		56	6	100	42	30 Apr
McCormick	79	77	81	79	56	62	61	60	24	100	36	29 Apr
VA97W-375ws	79	70	79	76	53	59	60	57	0	100	34	29 Apr
Weaver	79	76		78	54	58		56	5	100	42	29 Apr
25R47	78	79		79	51	59		55	0	100	36	30 Apr
Delta King 7777	78			78	53			53	8	100	42	01 May
Delta King XTJ243	78			78	51			51	0	100	40	30 Apr
Exsegen Judith	78			78	55			55	0	100	41	30 Apr
Exsegen Sarah	78	77	86	80	53	60	63	59	0	100	42	05 May
KY93C-1238-17-2	78			78	55			55	0	100	39	30 Apr
SS 550	78	79	77	78	53	59	61	58	0	100	36	30 Apr
SS 8302	78			78	52			52	0	100	38	01 May
Vigoro V9412	78			78	55			55	0	100	40	28 Apr
Wiley	78			78	56			56	0	100	40	29 Apr
25R23	77	83	84	81	53	60	61	58	0	100	37	02 May
25R37	77	77	93	82	54	61	62	59	0	100	35	01 May
Delta King XTJ239	77			77	53			53	0	100	42	02 May
SS 520	77	79	75	77	53	57	60	57	0	100	37	29 Apr
USG exp 370	77			77	53			53	0	100	35	29 Apr
Bascom	76	73		75	53	59		56	5	100	43	28 Apr
Exsegen Esther	76	71	88	78	52	57	60	56	0	100	39	28 Apr
MD 11-52	76			76	55			55	0	100	32	29 Apr
Delta King 7710	75			75	54			54	3	100	42	01 May
Exsegen Abigail	75	61	74	70	51	59	60	57	21	100	33	30 Apr
KY93C-0004-22-1	75			75	54			54	0	100	39	02 May
Roane	75	67	67	70	57	62	61	60	0	100	35	30 Apr
SS 560	75	69	89	77	53	58	59	57	0	100	37	30 Apr
Vigoro V9410	75			75	53			53	0	100	42	28 Apr
Delta King 7900	74			74	52			52	0	100	43	29 Apr
KAS Allegiance	74	86	82	81	52	59	59	56	0	100	42	01 May
KY93C-1238-17-4	74			74	55			55	0	100	38	30 Apr
MD 5-46	74			74	55			55	0	100	36	29 Apr
25R54	73			73	53			53	0	100	38	30 Apr
Agripro Cooper	73			73	52			52	0	100	34	01 May
Exsegen Rebekah	73	68	74	72	53	59	60	57	0	100	37	30 Apr
KAS Independence	73	67		70	52	59		56	0	100	37	30 Apr
NK Coker 9375	73	69		71	52	58		55	23	100	43	30 Apr
Sisson	73	69	76	73	53	60	59	57	0	100	35	29 Apr
KY93C-0378-5-2	72			72	54			54	0	100	36	30 Apr
Delta King 1551W	71			71	52			52	8	100	38	30 Apr
NK Coker 9312	71			71	52			52	10	100	36	29 Apr
Agripro Benton	70	69		70	53	59		56	0	100	36	01 May
KAS Declaration	70	71	73	71	53	60	60	58	4	100	38	30 Apr
NK Coker 9295	70	73		72	51	60		55	0	100	37	30 Apr
SS 8309	70			70	56			56	0	100	39	30 Apr
SX 1431W	70			70	50			50	0	100	32	01 May
Truman	70			70	54			54	0	100	41	08 May
KY94C-0094-11-2	69			69	55			55	0	100	36	01 May
SS 535	67	69	77	71	55	60	60	58	10	100	36	29 Apr
MD 71-5	64			64	51			51	15	100	34	30 Apr
VA98W-170WS	64	66		65	54	59		57	0	100	38	29 Apr
Clark	63	66	69	66	52	59	59	57	0	100	40	28 Apr
Delta King XTJ261	63			63	53			53	0	100	37	30 Apr
SX 1402W	62	44		53	47	51		49	0	100	30	01 May
SX 1404W	62	54		58	50	54		52	0	100	35	03 May
NK B970051	55			55	51			51	21	100	28	25 Apr
MEAN	75	71	79	75	53	59	60	55	3	100	38	29 Apr

CV = 11.4

LSD (0.05) = 10.1

Location: Princeton

TABLE 7B. WHEAT PERFORMANCE TRIALS FOR WESTERN COALFIELD REGION, 2002 - 2004, NO-TILL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
25R47	101	81		91	52	57		54	0	100	36	29 Apr
Agripro Cooper	100			100	55			55	0	100	36	03 May
25R78	99	85	72	85	53	57	61	57	0	100	36	30 Apr
Delta King 7900	99			99	54			54	19	100	42	30 Apr
USG 3430	99	80		90	53	58		55	10	100	42	28 Apr
Vigoro V9412	99			99	55			55	18	100	40	29 Apr
USG 3350	98	79		89	54	58		56	0	100	42	29 Apr
KY93C-1238-17-1	97			97	56			56	11	100	40	29 Apr
KY93C-1238-17-2	97			97	56			56	0	100	39	30 Apr
26R58	96	79		88	57	57		57	0	100	37	30 Apr
Vigoro Tribute	96	63	71	77	58	59	63	60	15	100	36	30 Apr
Vigoro V9212	96	77		87	56	56		56	0	100	42	29 Apr
Delta King 9410	95			95	53			53	10	100	42	30 Apr
SS 8302	95			95	53			53	0	100	39	30 Apr
Vigoro V9410	95			95	53			53	15	100	42	28 Apr
Weaver	95	83		89	55	57		56	4	100	42	29 Apr
26R15	94			94	53			53	0	100	38	30 Apr
Agripro Benton	94	80		87	53	57		55	0	100	36	02 May
KY93C-0004-22-1	94			94	56			56	0	100	38	01 May
KY93C-1238-17-4	94			94	56			56	0	100	39	30 Apr
25R23	93	78	85	85	53	58	63	58	0	100	38	07 May
KY90C-292-16.	93			93	53			53	0	100	38	30 Apr
Bascom	93	81		87	55	57		56	0	100	42	29 Apr
Excel 307	93			93	53			53	0	100	42	29 Apr
Exsegen Judith	93			93	55			55	0	100	42	30 Apr
KAS Declaration	93	78	70	80	52	58	59	56	18	100	38	30 Apr
25R37	92	81	77	83	56	59	61	59	0	100	35	02 May
SS 520	92	82	68	81	53	57	59	56	20	100	39	28 Apr
SS 560	92	86	73	84	54	57	60	57	0	100	36	02 May
Wiley	92			92	57			57	0	100	40	28 Apr
Delta King 7710	91			91	54			54	0	100	41	01 May
Delta King 7777	91			91	56			56	18	100	42	02 May
Truman	91			91	55			55	20	100	42	09 May
VA97W-024	91			91	54			54	0	100	40	01 May
25R54	90			90	53			53	3	100	38	30 Apr
Clark	90	71	56	72	53	59	59	57	5	100	41	28 Apr
KAS Allegiance	90	75	76	80	53	57	58	56	3	100	43	02 May
KY93C-0378-5-2	90			90	55			55	0	100	37	01 May
SS 8309	90			90	54			54	0	100	38	30 Apr
KAS Independence	89	65		77	53	58		56	0	100	36	29 Apr
NK Coker 9375	89	74		82	54	54		54	16	100	42	01 May
Roane	89	75	62	75	56	61	61	60	0	100	36	03 May
SS 550	89	76	69	78	54	57	60	57	4	100	35	29 Apr
Sisson	89	73	69	77	55	57	60	57	3	100	35	28 Apr
VA97W-375ws	89	74	70	78	53	57	59	56	0	100	34	29 Apr
Delta King XTJ243	88			88	53			53	0	100	37	30 Apr
Exsegen Esther	88	81	75	81	53	57	59	56	0	100	38	28 Apr
VA98W-170WS	88	75		82	55	56		56	4	100	38	28 Apr
Exsegen Rebekah	87	68	68	74	53	58	61	57	21	100	37	29 Apr
KY93C-1238-17-5	87			87	56			56	0	100	38	29 Apr
SS 8308	87			87	54			54	5	100	37	30 Apr
USG exp 370	87			87	55			55	8	100	35	30 Apr
Delta King XTJ261	85			85	54			54	0	100	36	29 Apr
Delta King 7830	85			85	53			53	4	100	41	28 Apr
MD 11-52	85			85	55			55	0	100	32	29 Apr
MD 5-46	85			85	56			56	0	100	34	28 Apr
Delta King 1551W	84			84	52			52	0	100	36	01 May
McCormick	84	78	71	78	57	59	61	59	24	100	34	30 Apr
NK Coker 9295	84	70		77	53	53		53	0	100	36	02 May
USG 3209	84	74	67	75	54	57	60	57	10	100	35	29 Apr
Exsegen Abigail	83	66	60	70	54	56	60	57	0	100	31	29 Apr
Exsegen Sarah	83	83	78	81	54	58	57	56	0	100	40	07 May
SS 535	83	70	68	74	55	57	61	58	5	100	35	30 Apr
SX 1431W	83			83	51			51	0	100	31	03 May
KY94C-0094-11-2	81			81	55			55	0	100	38	01 May
NK B970051	81			81	52			52	3	100	35	06 May
MD 71-5	80			80	53			53	0	100	32	30 Apr
NK Coker 9312	80			80	54			54	13	100	36	28 Apr
SX 1402W	76	52		64	50	47		49	0	100	30	02 May
Delta King XTJ239	74			74	53			53	0	100	38	02 May
SX 1404W	74	63		69	51	53		52	0	100	35	07 May
MEANS	90	75	70	85	55	57	60	56	4	100	38	30 Apr

CV = 5.8

LSD (0.05) = 5.4

Location: Princeton

TABLE 8A. WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION, 2002 - 2004, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)	DATE
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	2004	2004	2004	2004
SS 8309	110			110	55			55	6	100	42	02 May
26R58	108	97		103	54	53		53	51	100	38	01 May
Vigoro V9412	108			108	60			60	53	100	39	01 May
Wiley	106			106	57			57	33	100	38	30 Apr
USG 3350	105	72		89	56	50		53	33	100	42	01 May
Delta King XTJ261	98			98	56			56	10	100	39	30 Apr
Vigoro V9212	98	89		94	56	53		55	28	100	43	30 Apr
25R37	97	102	100	91	56	55	62	58	73	100	40	02 May
VA97W-024	96			96	55			55	48	100	41	02 May
KAS Declaration	95	84	89	89	56	51	60	56	74	100	40	01 May
KY93C-0004-22-1	95			95	55			55	50	100	40	02 May
MD 5-46	95			95	56			56	58	100	36	01 May
SS 8308	95			95	56			56	69	100	39	02 May
MD 71-5	94			94	53			53	28	100	35	01 May
Exsegen Sarah	94	105	97	99	54	56	60	57	23	100	43	05 May
VA97W-375ws	94	57	91	81	53	48	61	54	40	100	35	01 May
Delta King XTJ239	93			93	54			54	8	100	43	03 May
SS 8302	93			93	54			54	51	100	40	02 May
KY90C-292-16.	92	75	85	84	54	52	60	55	78	100	38	30 Apr
Delta King 9410	92			92	53			53	40	100	42	30 Apr
KY93C-1238-17-1	92			92	56			56	63	100	38	01 May
Exsegen Rebekah	91	80	91	87	54	54	60	56	48	100	39	02 May
KY93C-1238-17-5	91			91	55			55	66	100	39	01 May
Delta King XTJ243	90			90	56			56	30	100	39	02 May
Bascom	89	75		82	54	49		51	81	100	43	01 May
MD 11-52	89			89	56			56	48	100	34	30 Apr
Roane	89	88	87	88	58	51	63	57	55	100	37	02 May
25R47	88	93		91	53	52		52	46	100	39	01 May
Exsegen Judith	88			88	55			55	64	100	44	02 May
KY93C-1238-17-2	88			88	56			56	45	100	40	01 May
VA98W-170WS	88	68		78	52	51		52	45	100	38	01 May
Agripro Benton	87	92		90	54	53		53	63	100	37	02 May
Delta King 7900	87			87	54			54	35	100	40	30 Apr
Vigoro Tribute	87	81	83	84	56	53	63	57	74	100	37	01 May
Weaver	87	85		86	54	46		50	40	100	40	01 May
Excel 307	86			86	56			56	40	100	40	30 Apr
NK Coker 9312	86			86	56			56	71	100	37	30 Apr
Clark	85	83	87	85	55	50	62	55	45	100	40	30 Apr
KAS Allegiance	85	77	97	86	51	52	60	54	70	100	44	02 May
26R15	84			84	52			52	64	100	38	01 May
NK B970051	84			84	55			55	65	100	38	04 May
SS 535	84	66	80	77	53	53	60	55	94	100	37	02 May
KAS Independence	83	88		86	51	50		51	46	100	38	02 May
KY93C-0378-5-2	83			83	55			55	69	100	41	02 May
SS 550	82	67	90	80	51	54	62	55	71	100	38	02 May
Sisson	82	69	82	78	55	48	60	54	73	100	38	01 May
Vigoro V9410	82			82	53			53	70	100	40	30 Apr
Delta King 1551W	81			81	56			56	30	100	38	30 Apr
Truman	81			81	55			55	71	100	43	08 May
25R78	80	95	103	93	53	56	61	57	36	100	36	02 May
KY93C-1238-17-4	80			80	57			57	64	100	40	01 May
USG 3430	80	54		67	54	44		49	23	100	39	30 Apr
Delta King 7830	78			78	55			55	73	100	42	01 May
USG 3209	78	78	80	79	53	49	59	54	74	100	34	30 Apr
Agripro Cooper	77			77	51			51	70	100	39	02 May
Exsegen Esther	77	82	84	81	55	51	59	55	64	100	38	01 May
SX 1402W	77	51		64	48	42		45	10	100	34	02 May
USG exp 370	76			76	54			54	26	100	36	01 May
SX 1431W	75			75	51			48	0	100	32	02 May
25R23	74	102	100	92	53	55	62	57	85	100	39	05 May
25R54	74			74	51			51	61	100	41	02 May
Delta King 7777	74			74	54			54	58	100	41	02 May
Exsegen Abigail	74	78	68	73	51	51	62	54	55	100	33	29 Apr
NK Coker 9295	73	63		68	51	51		51	91	100	40	02 May
SS 520	72	65	77	71	50	52	60	54	89	100	39	28 Apr
SS 560	72	80	87	79	54	54	61	56	60	100	37	02 May
KY94C-0094-11-2	71			71	54			54	49	100	39	03 May
SX 1404W	71	84		76	51	46		49	20	100	35	05 May
McCormick	67	97	84	83	57	54	63	58	81	100	37	01 May
NK Coker 9375	61	81		71	50	47		48	70	100	41	01 May
Delta King 7710	59			59	56			56	56	100	41	02 May
MEANS	86	80	88	85	54	51	61	54	53	100	39	01 May

CV = 15.4

LSD (0.05) = 18.6

Location: Warren Co.

TABLE 8B. WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION, 2003 AND 2004, NO-TILL.

VARIETY	YIELD (BU/A)			TEST WT. (LB/BU)			LODGING	SURVIVAL	HEIGHT
	2004	2003	MEAN	2004	2003	MEAN	(%)	(%)	(IN.)
USG 3430	82	79	81	55	58	57	5	100	45
Wiley	81		81	55		55	0	100	41
Delta King 9410	80		80	53		53	0	100	45
Bascom	79	80	80	55	58	56	0	100	45
Vigoro V9410	79		79	54		54	3	100	44
Vigoro V9412	79		79	56		56	0	100	42
Excel 307	78		78	55		55	0	100	45
Truman	78		78	56		56	4	100	44
Delta King 7830	77		77	54		54	0	100	45
Delta King 7900	77		77	54		54	0	100	45
Delta King 7710	75		75	54		54	8	100	46
Exsegen Judith	75		75	55		55	0	100	45
Weaver	74	84	79	55	58	56	0	100	44
Vigoro V9212	73	87	80	54	59	57	3	100	46
USG 3350	72	85	79	54	58	56	3	100	45
Clark	71	66	69	54	58	56	0	100	41
SS 8309	70		70	56		56	0	100	41
25R37	69	90	80	56	61	58	3	100	38
Agripro Benton	69	78	74	54	58	56	0	100	41
KY93C-1238-17-5	69		69	54		54	0	100	43
25R54	67		67	57		57	0	100	40
Delta King 7777	67		67	55		55	8	100	45
NK B970051	67		67	53		53	4	100	38
Roane	67	78	73	56	61	58	0	100	38
Sisson	67	75	71	53	59	56	0	100	37
KY94C-0094-11-2	66		66	54		54	0	100	40
SS 520	66	68	67	53	56	54	0	100	40
Exsegen Sarah	65	88	77	56	60	58	0	100	43
NK Coker 9312	65		65	54		54	4	100	38
Agripro Cooper	64		64	55		55	0	100	39
KAS Allegiance	63	86	75	52	58	55	0	100	44
26R15	62		62	53		53	0	100	39
Delta King XTJ243	62		62	54		54	0	100	43
KAS Independence	62	74	68	54	59	56	0	100	39
MD 71-5	62		62	52		52	0	100	36
McCormick	62	79	71	55	61	58	0	100	37
Vigoro Tribute	62	84	73	55	61	58	0	100	37
SS 550	61	77	69	53	58	56	0	100	40
SS 8302	61		61	54		54	0	100	40
VA97W-024	61		61	53		53	4	100	43
KAS Declaration	60	84	72	52	59	55	0	100	40
26R58	59	91	75	52	58	55	0	100	40
KY93C-1238-17-1	59		59	54		54	0	100	43
MD 5-46	59		59	55		55	0	100	37
25R23	58	88	73	53	60	57	0	100	40
Exsegen Rebekah	58	76	67	55	58	57	0	100	40
USG 3209	57	86	72	53	58	55	10	100	39
Delta King 1551W	56		56	51		51	0	100	40
KY90C-292-16.	55		55	51		51	0	100	40
25R47	54	95	75	52	58	55	0	100	38
Delta King XTJ261	54		54	53		53	0	100	38
KY93C-0004-22-1	54		54	54		54	0	100	41
Exsegen Esther	52	86	69	51	56	54	0	100	40
SS 560	52	84	68	53	57	55	0	100	37
25R78	51	93	72	53	60	56	0	100	38
Exsegen Abigail	51	70	61	53	58	55	0	100	33
NK Coker 9375	51	79	65	50	56	53	3	100	46
KY93C-1238-17-4	50		50	54		54	0	100	41
SX 1404W	50	73	62	50	57	54	0	100	36
SX 1431W	50			49			0	100	33
KY93C-0378-5-2	49		49	53		53	0	100	40
NK Coker 9295	49	75	62	52	58	55	0	100	40
MD 11-52	48		48	53		53	0	100	35
VA98W-170WS	48	78	63	52	58	55	0	100	40
KY93C-1238-17-2	47		47	53		53	0	100	40
USG exp 370	47		47	51		51	0	100	36
VA97W-375ws	46	78	62	52	57	54	0	100	38
Delta King XTJ239	44		44	48		48	0	100	42
SS 535	44	69	57	51	59	55	3	100	38
SS 8308	42		42	55		55	0	100	39
SX 1402W	34	59	47	45	54	49	0	100	32
MEANS	62	80	67	53	58	55	1	100	40

CV = 8.7

LSD (0.05) = 5.4

Location: Logan Co.

TABLE 9A. WHEAT PERFORMANCE TRIALS FOR NORTH CENTRAL REGION, 2001 - 2003, CONVENTIONAL.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2003	2002	2001	MEAN	2003	2002	2001	MEAN	(%)	(%)	(IN.)	DATE
Vigoro V9212	96			96	57			57	0	100	37	09 May
KAS Allegiance	89	63	96	83	58	55	58	57	0	100	38	12 May
Exsegen Sarah	88	48	94	77	55	57	58	57	0	100	37	15 May
Sisson	88	65	90	81	57	48	58	54	0	100	33	07 May
25R58	86			86	56			56	0	100	33	08 May
Vigoro Tribute	86	61	84	77	59	52	60	57	0	100	32	09 May
25R37	85	44	96	75	58	52	60	57	0	100	32	09 May
Hopewell	85	53	94	77	57	57	57	57	0	100	35	14 May
SS 560 Gaucho	84			84	56			56	0	100	32	11 May
NK Coker 9663	83	63	88	78	57	54	60	57	0	100	40	11 May
USG 3209	83	43	88	71	55	51	58	55	0	100	33	10 May
Weaver	83			83	57			57	0	100	38	08 May
2552	82	50		66	59	53		56	0	100	32	12 May
25R78	82	56		69	56	53		54	0	100	33	07 May
KAS Declaration	82	34	83	66	53	50	58	54	0	100	35	09 May
USG 3350	82			82	56			56	0	100	37	08 May
25R23	81	54		68	56	57		57	0	100	34	11 May
McCormick	81	53		67	62	51		56	0	100	29	09 May
NK B960457	81			81	55			55	0	100	35	12 May
25R49	80	59	91	77	58	55	59	57	0	100	32	09 May
Bascom	80			80	57			57	0	100	36	08 May
Croplan Genetics 514W	80	60		70	52	54		53	0	100	35	07 May
SS 535 Raxil	80	53	89	74	59	57	61	59	0	100	31	11 May
SS 550	80	46	86	71	56	52	59	56	0	100	29	10 May
Clark	78	62	61	67	57	54	58	56	0	100	35	09 May
Roane	78	44	91	71	59	59	60	59	0	100	31	12 May
Beck Ex 6108	77			77	56			56	0	100	36	09 May
Croplan Genetics 554W	77	58	92	76	55	55	58	56	0	100	30	12 May
Exsegen Abigail	77	57		67	58	53		55	0	100	29	07 May
Exsegen Rebekah	77	38	86	67	57	55	59	57	0	100	33	08 May
NK Coker 9295	77			77	57			57	0	100	34	14 May
KAS Independence	75		82	79	57		59	58	0	100	33	08 May
SS 520	75	60	90	75	55	55	57	56	0	100	33	08 May
USG 3430	75			75	55			55	0	100	34	08 May
Beck 102	74	58		66	55	53		54	0	100	34	09 May
Agripro Benton	73			73	57			57	0	100	32	11 May
Agripro Douglas	73			73	56			56	0	100	34	13 May
25R47	72			72	57			57	0	100	32	10 May
KY90C-292-16.	72		80	76	57		59	58	0	100	33	09 May
Coyote	72			72	58			58	0	100	35	07 May
KAS Franklin	71			71	57			57	0	100	34	13 May
NK Coker 9474	71	51	76	66	59	54	61	58	0	100	35	09 May
VA97W-375ws	71	54		63	53	52		52	0	100	32	09 May
SS 560 Raxil	69	67		68	52	56		54	0	100	29	11 May
VA98W-170WS	69			69	56			56	0	100	34	07 May
Exsegen Esther	68	44	77	63	55	50	58	54	0	100	33	07 May
KAS Jefferson	68			68	53			53	0	100	33	10 May
NK Coker 9184	67	50	85	67	58	56	62	59	0	100	29	12 May
Vigoro V9301	66			66	57			57	0	100	29	07 May
VA98W-706	65			65	55			55	0	100	28	10 May
SX 1402	64			64	49			49	0	100	28	12 May
SX 1404	64			64	51			51	0	100	30	15 May
NC98-26192	62			62	60			60	0	100	32	09 May
SX 1407	61			61	54			54	0	100	29	12 May
KAS Hamilton	58			58	56			56	0	100	32	08 May
SX 1411	45			45	46			46	0	100	28	12 May
MEANS	76	53	86	72	56	54	59	56	0	100	33	

CV = 12.0

LSD (0.05) = 10.7

Location: Shelby Co.

TABLE 9B. WHEAT PERFORMANCE TRIALS FOR NORTH CENTRAL REGION, 2004, 2002, 2001, NO-TILL.*

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2004	2002	2001	MEAN	2004	2002	2001	MEAN	(%)	(%)	(IN.)	DATE
Agripro Cooper	77			77	55			55	0	100	35	10 May
KY93C-1238-17-2	74			74	58			58	0	100	33	11 May
SS 550	74	44	73	64	55	51	59	55	0	100	34	11 May
KY93C-1238-17-1	73			73	58			58	0	100	36	10 May
SS 8308	72			72	58			58	0	100	34	11 May
25R47	71			71	56			56	0	100	34	13 May
Delta King 7900	71			71	57			57	0	100	40	10 May
MD 5-46	70			70	57			57	0	100	34	09 May
SS 520	70	45	81	65	54	53	58	55	0	100	35	09 May
SS 8302	70			70	57			57	0	100	35	13 May
Vigoro Tribute	70	43	73	62	59	51	59	56	0	100	34	11 May
25R37	69	33	81	61	56	50	60	56	0	100	34	12 May
KY93C-1238-17-5	69			69	60			60	0	100	35	08 May
McCormick	69	36		53	58	53		55	0	100	32	10 May
USG 3350	69			69	55			55	0	100	40	10 May
KY94C-0094-11-2	68			68	56			56	0	100	34	14 May
NK B970051	68			68	54			54	0	100	32	14 May
NK Coker 9295	68			68	56			56	0	100	36	13 May
USG 3209	68	33	76	59	55	51	57	54	0	100	33	11 May
25R54	67			67	55			55	0	100	35	13 May
26R58	67			67	54			54	0	100	34	11 May
Excel 307	67			67	55			55	0	100	41	10 May
Roane	67	39	66	57	57	56	60	58	0	100	33	10 May
Vigoro V9212	67			67	56			56	0	100	39	09 May
25R23	66	27		47	56	52		54	0	100	35	15 May
Exsegen Esther	66	45	72	61	53	48	58	53	0	100	35	09 May
KAS Declaration	66	33		50	55	44		50	0	100	35	11 May
NK Coker 9312	66			66	59			59	0	100	33	09 May
25R78	65	49		57	58	44		51	0	100	33	10 May
Bascom	65			65	55			55	0	100	39	10 May
Delta King 9410	65			65	56			56	0	100	41	10 May
Delta King XTJ243	65			65	57			57	0	100	38	10 May
NK Coker 9375	65			65	54			54	0	100	39	12 May
SS 535	65	49	71	62	55	54	61	57	0	100	34	13 May
USG exp 370	65			65	55			55	0	100	31	11 May
Wiley	65			65	58			58	0	100	36	10 May
26R15	64			64	55			55	0	100	34	11 May
Exsegen Sarah	64	45	76	62	54	57	57	56	0	100	38	14 May
KY93C-0378-5-2	64			64	56			56	0	100	34	13 May
MD 71-5	64			64	54			54	0	100	30	09 May
Vigoro V9410	64			64	56			56	0	100	41	09 May
Delta King 1551W	63			63	55			55	0	100	36	12 May
KY93C-1238-17-4	63			63	58			58	0	100	35	10 May
MD 11-52	63			63	56			56	0	100	29	09 May
SS 8309	63			63	57			57	0	100	35	12 May
Vigoro V9412	63			63	59			59	0	100	37	09 May
Weaver	63			63	55			55	0	100	40	09 May
KY93C-0004-22-1	62			62	58			58	0	100	34	12 May
VA97W-024	62			62	54			54	0	100	36	13 May
VA97W-375ws	62	46		54	51	50		50	0	100	32	11 May
KY90C-292-16.	61			61	56			56	0	100	34	11 May
Agripro Benton	61			61	54			54	0	100	34	12 May
Delta King 7830	61			61	56			56	0	100	41	10 May
Exsegen Abigail	61	42		52	57	51		54	0	100	30	09 May
Exsegen Rebekah	61	36	72	56	52	51	59	54	0	100	35	10 May
KAS Independence	61			61	55			55	0	100	34	10 May
Sisson	61	57	74	64	55	56	59	57	0	100	33	09 May
VA98W-170WS	61			61	58			58	0	100	35	09 May
Delta King 7710	60			60	53			53	0	100	38	13 May
Delta King 7777	60			60	56			56	0	100	38	13 May
Truman	60			60	57			57	0	100	41	15 May
Exsegen Judith	58			58	58			58	0	100	38	13 May
KAS Allegiance	58	50		54	55	55		55	0	100	41	14 May
USG 3430	58			58	57			57	0	100	40	09 May
Delta King XTJ261	57			57	54			54	0	100	33	11 May
Clark	54	61	63	59	54	52	58	55	0	100	38	09 May
Delta King XTJ239	53			53	54			54	0	100	34	14 May
SS 560	53	53		53	53	53		53	0	100	32	14 May
SX 1404W	50			50	50			50	0	100	31	16 May
SX 1431W	50			50	49			49	0	100	29	14 May
SX 1402 W	48			48	49			49	0	100	29	14 May
MEANS	64	43	73	62	56	52	59	56	0	100	35	11 May

CV = 11.4

LSD (0.05) = 7.6

*2003 not harvested

Location: Shelby Co.

TABLE 10. DISEASE RATINGS OF WHEAT VARIETIES IN 2004.

NAME	FUSARIUM HEAD BLIGHT RATINGS*				POWDERY MILDEW**
	VISUAL RATING**		FUSARIUM DAMAGED KERNELS		
	LEXINGTON CONV. TILL	LOGAN CO. NO-TILL	LEXINGTON CONV. TILL (%)	LEXINGTON NO-TILL (%)	
Clark	4	2	2	10	6
Roane	4	3	3	3	5
Sisson	6	6	14	14	2
Exsegen Esther	4	7	5	3	4
Exsegen Rebekah	6	4	23	8	3
Exsegen Sarah	3	2	17	10	6
Exsegen Abigail	6	7	5	14	5
Exsegen Judith	4	4	6	5	3
Truman	1	1	10	5	4
SS 560	6	6	14	19	3
SS 535	6	7	20	14	2
SS 520	6	6	6	7	3
SS 550	6	6	10	13	3
SS 8302	4	5	8	3	4
SS 8308	6	8	8	8	3
SS 8309	2	2	6	9	3
Agripro Benton	3	4	7	9	4
Agripro Cooper	4	5	4	6	4
NK Coker 9295	5	7	7	9	4
NK Coker 9375	6	7	4	15	3
NK Coker 9312	4	6	8	6	3
NK B970051	4	4	10	10	3
USG 3209	5	6	5	9	3
USG 3430	4	5	4	5	6
USG 3350	2	4	3	4	6
USG exp 370	4	7	2	6	3
Vigoro Tribute	4	7	6	3	2
Vigoro V9212	4	3	6	6	5
Vigoro V9412	3	4	2	3	3
Vigoro V9410	3	4	6	5	7
McCormick	3	4	3	6	3
VA97W-375ws	7	8	6	18	2
VA98W-170WS	6	7	5	5	3
VA97W-024	7	6	13	7	3
25R78	3	7	3	9	5
25R23	4	6	6	14	3
25R37	2	3	10	9	3
25R47	4	5	4	4	4
26R58	6	7	12	15	4
26R15	5	6	12	14	3
25R54	3	5	11	7	3
EXCEL 307	4	5	12	5	7
SX 1402W	7	8	34	60	3
SX 1404W	4	5	25	16	3
SX 1431W	5	7	19	17	3
Wiley	3	3	2	4	2
Bascom	4	2	4	5	5
Weaver	4	2	9	4	4
Delta King 9410	4	4	7	12	7
Delta King 7900	4	4	5	3	7
Delta King 7777	4	5	9	16	5
Delta King 1551W	5	6	6	13	5
Delta King 7830	4	5	4	5	7
Delta King XTJ243	5	6	4	10	4
Delta King 7710	4	3	2	7	5
Delta King XTJ239	5	8	14	13	5
Delta King XTJ261	4	4	8	6	4
MD 11-52	6	8	8	17	2
MD 71-5	5	7	7	4	2
MD 5-46	5	7	10	5	2
KAS Independence	6	5	8	10	3
KAS Allegiance	5	4	9	11	3
KAS Declaration	5	7	13	41	3
KY90C-292-16.	4	7	5	12	3
KY93C-1238-17-2	5	6	7	12	3
KY93C-1238-17-1	5	6	12	5	3
KY93C-0378-5-2	5	6	5	8	3
KY93C-0004-22-1	5	6	13	8	3
KY93C-1238-17-4	5	6	3	5	4
KY93C-1238-17-5	5	6	7	14	4
KY94C-0094-11-2	4	5	8	13	4
MEANS	4	5	8	10	4

*Vomitoxin data will be available on Web site: www.uky.edu/Ag/Wheat/wheat_breeding/FHB.htm

**0 = Best, 9 = Worst

TABLE 11. BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION, 2002 - 2004.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT
	2004	2003	2002	MEAN	2004	2003	2002	MEAN	(%)	(%)	(IN.)
Doyce	81	83		82	49	48		49	68	100	37
Thoroughbred	107	81	106	98	43	44	48	45	68	100	35
Price	112	103	88	101	47	42	47	46	80	100	35
Callao	69	84	73	75	38	40	49	43	49	100	37
Nomini	92	85	88	88	41	40	49	43	93	100	38
MEAN	92	87	89	89	44	43	48	45	72	100	36

CV = 18.8

LSD = 22.0

Location: Logan Co.

Source for all lines: Virginia Tech

TABLE 12. HULLESS BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION, 2004.

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	LODGING (%)	HEIGHT (IN)
VA00H-89	131	54	88	37
VA00H-72	123	54	85	34
VA00H-95	123	55	65	37
VA01H-3	119	55	93	35
VA00H-99	118	55	75	37
VA01H-124	114	53	93	31
VA00H-97	113	53	78	37
VA00H-88	110	55	93	35
VA01H-37	108	52	80	34
VA00H-74	108	54	85	35
VA01H-1	107	55	20	37
TX00D665	104	55	94	36
VA00H-228	100	55	30	38
VA01H-132	100	52	18	36
SC880248	100	54	70	38
Doyce	100	51	88	37
VA01H-44	99	53	75	34
VA01H-97	98	54	91	34
VA00H-70	98	55	48	35
H-585	97	52	88	35
VA01H-68	97	58	13	36
VA01H-90	97	54	44	39
VA01H-13	97	53	93	37
VA00H-10	95	54	48	37
VA01H-129	93	55	83	31
VA01H-130	92	55	92	32
VA00H-65	92	56	60	36
VA01H-122	90	56	85	39
VA01H-113	88	56	77	40
VA01H-31	83	53	90	34
VA01H-125	83	54	94	29
VA01H-43	78	52	85	32
VA01H-26	73	53	79	34
MEANS	101	54	73	35

CV = 17.4

LSD = 29.7

Location: Logan Co.

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