

2003 Kentucky Small Grain Variety Trials

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The 2003 wheat growing season ended with Kentucky farmers harvesting 300,000 acres of soft red winter wheat resulting in 17.7 million bushels of grain. An average yield of 59 bushels per acre was recorded, which is up six bushels per acre from the 2002 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 barley and wheat 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.

Because 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, 2001-2003.*

Crop	2003		2002		2001	
	Harvested 1000A	Yield BU/A	Harvested 1000A	Yield BU/A	Harvested 1000A	Yield BU/A
Wheat	300	59	360	53	340	62

July 1, 2003, 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 three locations in addition to the conventional tests, which were grown at all locations.

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 40 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.

Figure 1. Agroclimatic Regions of Kentucky Small Grain Variety Trials.

Region	2003 Location	Cooperator	Crop Tested
1. Purchase	Calloway	Ray Murdock	Wheat
2. Western Coal Field	Princeton	Research and Education Center	Wheat
3. Ohio Valley	Morganfield	Jim McElroy	Wheat
4. Bluegrass	Lexington	Kentucky Agricultural Experiment Station	Barley, Wheat
5. Southern Tier	Bowling Green	Western Kentucky University Farm	Barley, Wheat
	Logan County	Larry Thompson	Wheat
	Russellville	Don Halcomb	Barley, Wheat
6. North Central	Shelbyville	Mike Ellis	Wheat

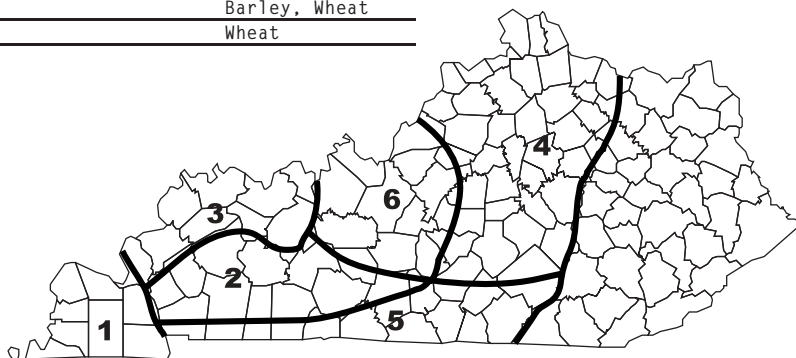


Table 2. Region, Location, Preceding Crop and Planting Dates of Kentucky Small Grain Trials, 2001-2003.

Region	Location	Year	Preceding Crop	Current Crop	Planting Date			
					2003	2002	2001	
Purchase	Murray Hickman	2002-2003 2001	Corn	Wheat	10/24	10/23	10/11	
Ohio Valley	Morganfield Calhoun	2003 2001-2002	Corn	Wheat	10/21	11/1	10/16	
Bluegrass	Lexington	2001-2003	Corn	Barley	10/24	10/10	10/23	
				Wheat	10/24	10/10	10/20	
Southern Tier	Russellville	2001-2002	Corn	Barley	10/17	10/29	10/20	
				Wheat		10/29	10/20	
	Bowling Green	2001-2003	Corn	Barley	10/18	10/9	10/12	
				Wheat	10/18	10/9	10/13	
Logan County	2003	Corn	Wheat					
Western Coal Field	Princeton	2001	Corn	Barley	*	*	10/19	
		2001-2003	Corn	Wheat				
					<i>Conventional</i>	10/22	10/30	10/18
					<i>No-till</i>	10/16	10/22	10/19
North Central	Shelbyville	2001	Corn	Wheat				
					<i>Conventional</i>	10/24	10/3	10/4
		2002-2003	Soybeans	<i>No-till</i>	**	10/3	10/4	

* Barley trial not grown at Princeton 2002-2003.

** No-till wheat trial not harvested.

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.

Results and Discussion

Because 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 since 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 because they will give a more accurate picture of varietal performance.

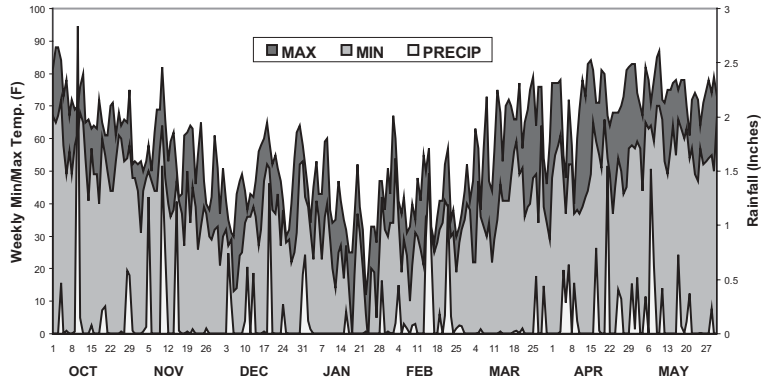
2003 Test Conditions

Wet weather in October hampered planting the 2003 wheat crop. Much of the wheat crop was planted in late October and on into November. Some intended wheat acreage was not planted at all as a result of the wet conditions. However, the 2003 small grain variety trials were planted within an approximate time window of 10 days from the middle to latter parts of October. As the wet conditions continued throughout the fall, colder temperatures prevailed also. As a result of cold, wet temperatures, tillering was reduced, but snow cover in some instances helped protect the crop. Very cold temperatures covering the plot growing regions of Kentucky for a few days in December seem to have had a slight effect on early planted wheat, but most wheat was planted later and not as negatively affected by the cold temperatures. January was the fourteenth coldest and eighteenth driest in 108 years of records.

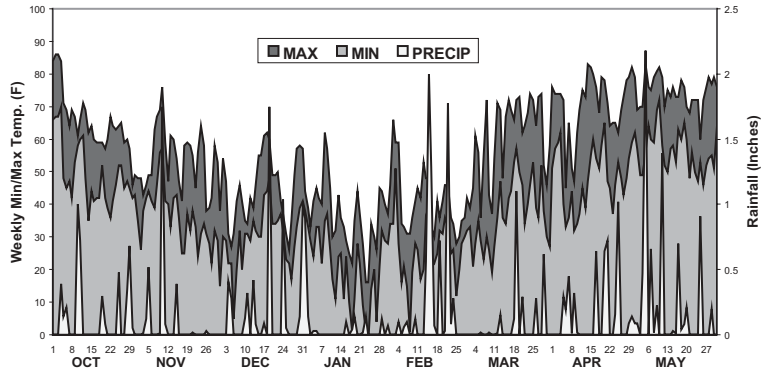
Wheat began to tiller and green up nicely in February with fairly moderate moisture available. In March and April, more than adequate rain fell on the crop. Going into flowering, precipitation continued in abundance. Temperatures during this period were much cooler than normal, and the grain filling period was extended.

Head scab was observed in some plot areas; however, cool temperatures limited the spread of the disease and reduced its impact. All no-till plots had insecticide and fungicide applications. Insecticides were used in the fall and spring to control aphids on the conventional plots.

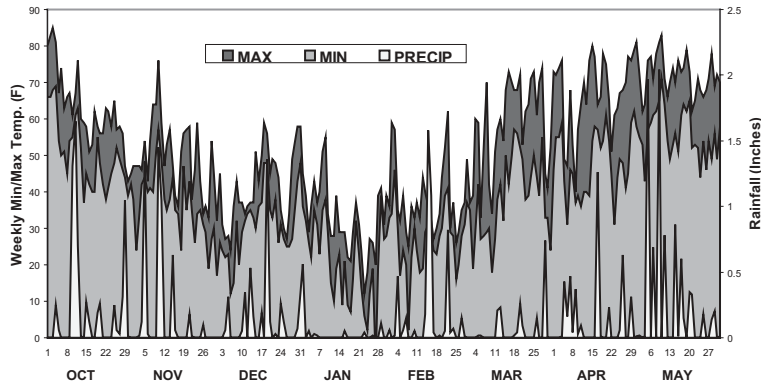
Bowling Green Weekly Weather Data

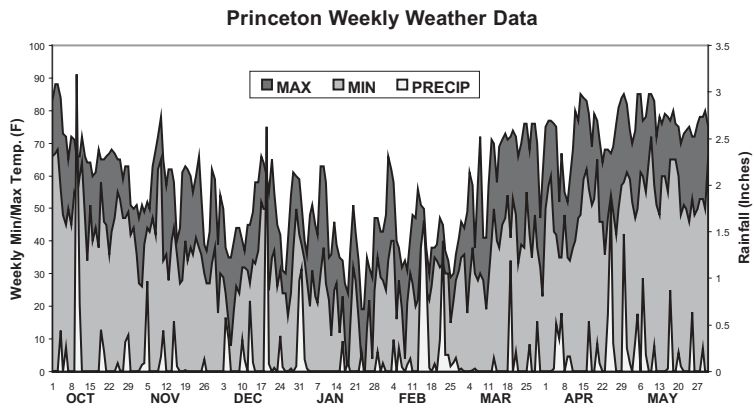
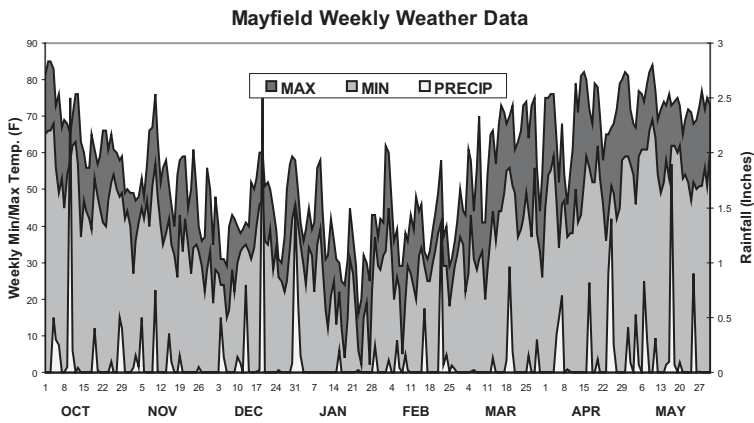
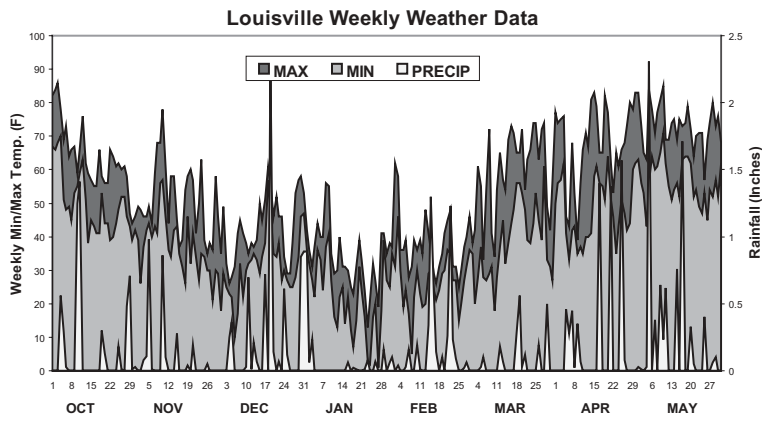


Henderson Weekly Weather Data



Lexington Weekly Weather Data





Small Grain Varieties for 2003

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.

Acknowledgment is made to the following individuals for their contributions to this report: Brittany Edelson, Joanna Coles, Lloyd Weatherly, and Rankin Powell, county Extension agents for agriculture, for assistance in locating test sites and collecting data; D. Hershman and A. J. Stewart for disease ratings; V. Verges, C. Knott, A. J. Stewart, B. O'Daniel, H. Peden, B. Hilton, K. Liagre, T. Taylor, A. Balut, C. McCarty, J. Gray, W. Randolph, and Dottie Call for data collection; Mary Ann Kelley, Sandie Waddell, and Kay Cotton for text and table preparation; Freddie Higgins for data analysis.

TABLE 3. CHARACTERISTICS OF WHEAT VARIETIES TESTED IN 2003.

NAME	SOURCE	RELEASE DATE	YIELD (BU/A)	TEST WT. (LB/BU)	LODGING (%)	HEIGHT (IN.)	SURV (%)	HEADING DATE
25R23	Pioneer Hi-Bred International Inc.	2001	88.1	57.5	0	36	100	7-MAY
2552	Pioneer	1994	87.1	57.8	8	36	100	6-MAY
25R47	Pioneer Hi-Bred International Inc.	2002	86.8	56.7	5	35	100	6-MAY
Vigoro V9212	Royster Clark	-	85.5	56.7	8	38	100	2-MAY
KAS Allegiance	Kentucky-American Seeds, Inc.	2002	85.1	57.4	5	40	100	7-MAY
25R37	Pioneer Hi-Bred International Inc.	2000	84.4	59.3	5	34	100	5-MAY
25R49	Pioneer Hi-Bred International Inc.	2000	84.3	58.4	4	34	100	5-MAY
Trical 336	Resource Seeds, Inc.	2001	84.1	49.7	5	48	100	6-MAY
Exsegen Sarah	Miles Seed	2000	83.4	55.7	4	39	100	9-MAY
26R58	Pioneer Hi-Bred International Inc.	2002	83.3	56.0	7	35	100	5-MAY
McCormick	Virginia Tech.	2002	83.3	59.8	5	33	100	4-MAY
25R78	Pioneer Hi-Bred International Inc.	2001	83.1	58.0	5	35	100	3-MAY
Coyote	JGL, INC.	2002	82.3	59.1	3	38	100	3-MAY
Hopewell	Ohio State University	1998	81.9	55.8	0	37	100	8-MAY
Weaver	Steyer Seeds	2002	81.5	55.4	13	39	100	2-MAY
KAS Declaration	Kentucky-American Seeds, Inc.	2002	81.1	55.9	8	36	100	4-MAY
Vigoro Tribute	Royster Clark	2002	81.0	58.8	11	34	100	4-MAY
SS 560 Gaucho	Southern States Co-op	-	80.8	55.9	8	34	100	6-MAY
Bascom	Steyer Seeds	2002	80.1	56.1	10	38	100	3-MAY
Croplan Genetics 514W	Land O' Lakes	2001	80.0	55.3	10	37	100	1-MAY
VA98W-706	VPI	-	79.6	57.4	10	33	100	3-MAY
Agripro Benton	Agripro	2002	78.5	57.0	7	35	100	6-MAY
Agripro Douglas	Agripro	2002	78.2	55.8	3	36	100	8-MAY
NK B960457	Syngenta Seeds Inc.	-	78.2	54.8	5	38	100	6-MAY
SS 550	Southern States Co-op	2001	77.9	56.7	16	33	100	5-MAY
USG 3209	Unisouth Genetics Inc.	1999	77.6	55.1	11	34	99	4-MAY
Sisson	Virginia Tech.	2000	76.4	55.9	18	33	100	2-MAY
USG 3350	Unisouth Genetics Inc.	-	76.3	55.8	8	39	99	4-MAY
Roane	Virginia Tech.	1998	76.0	58.3	9	33	100	6-MAY
SS 520	Southern States Co-op	2001	76.0	56.1	13	37	100	1-MAY
KY 90C-292-16.	Kentucky	-	75.7	57.0	8	35	100	5-MAY
SS 535 Raxil	Southern States Co-op	2000	75.1	58.1	9	34	100	6-MAY
KAS Independence	Kentucky-American Seeds, Inc.	2002	75.0	56.4	6	35	100	3-MAY
SS 560 Raxil	Southern States Co-op	2001	74.9	55.4	13	33	100	6-MAY
VA97W-375ws	Virginia Tech	-	74.8	55.8	11	33	100	2-MAY
Exsegen Esther	Miles Seed	2000	74.6	55.3	11	36	100	2-MAY
Beck Ex 6108	Beck's Hybrids	2003	74.3	55.2	11	38	100	5-MAY
Croplan Genetics 554W	Land O' Lakes	2001	74.1	54.8	10	33	100	6-MAY
Clark	Indiana	1988	74.0	56.3	10	38	100	2-MAY
Exsegen Abigail	Miles Seed	2001	73.8	56.2	12	31	100	2-MAY
Exsegen Rebekah	Miles Seed	2000	73.6	57.1	8	35	100	4-MAY
KAS Jefferson	Kentucky-American Seeds, Inc.	2002	73.6	56.5	1	37	100	6-MAY
NC98-26192	North Carolina	-	73.6	57.0	13	35	100	4-MAY
KAS Hamilton	Kentucky-American Seeds, Inc.	2002	72.5	56.9	6	34	100	3-MAY
Beck 102	Beck's Hybrids	2001	72.3	55.7	8	37	98	5-MAY
KAS Franklin	Kentucky-American Seeds, Inc.	2002	72.0	57.3	6	37	100	8-MAY
USG 3430	Unisouth Genetics Inc.	-	71.9	54.6	9	39	100	3-MAY
Vigoro V9301	Royster Clark	-	71.8	56.7	13	32	100	2-MAY
VA98W-170WS	VPI	-	71.6	57.0	11	36	100	2-MAY
NK Coker 9295	Syngenta Seeds Inc.	2002	70.1	56.6	5	37	100	8-MAY
NK Coker 9184	Syngenta Seeds Inc.	2002	69.3	58.2	3	33	100	6-MAY
NK Coker 9474	Syngenta Seeds Inc.	1998	68.0	59.3	7	37	100	4-MAY
NK Coker 9663	Syngenta Seeds Inc.	1996	67.6	57.6	20	41	100	6-MAY
SX 1404	Seedex	-	65.2	51.3	14	34	100	8-MAY
SX 1407	Seedex	-	63.4	53.6	9	31	100	7-MAY
SX 1402	Seedex	-	56.6	48.1	14	30	100	7-MAY
SX 1411	Seedex	-	49.3	50.0	11	30	100	6-MAY
MEAN			76.3	56.2	8	36	100	
CV = 11.9								
LSD (0.05) = 5.13								

TABLE 3A. AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 2002-2003.

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	2003 LODGING (%)	2003 SURVIVAL (%)	2003 HEIGHT (IN.)	HEADING DATE
25R23	83	58.7	0	100	36	08 MAY
25R49	82	57.8	4	100	34	06 MAY
KAS Allegiance	82	57.3	5	100	40	08 MAY
25R37	81	58.8	5	100	34	06 MAY
25R78	81	57.9	5	100	35	04 MAY
2552	80	58.0	8	100	36	07 MAY
Exsegen Sarah	79	57.4	4	100	39	10 MAY
Trical 336	78	50.7	5	100	48	07 MAY
SS 560 Raxil	77	56.7	8	100	34	07 MAY
McCormick	77	59.3	5	100	33	05 MAY
Vigoro Tribute	77	58.9	11	100	34	05 MAY
Sisson	75	56.2	18	100	33	03 MAY
Croplan Genetics 554W	74	56.1	10	100	33	07 MAY
KAS Declaration	74	56.1	8	100	36	05 MAY
Exsegen Esther	74	56.0	11	100	36	03 MAY
SS 550	74	57.0	16	100	33	06 MAY
Hopewell	73	57.0	0	100	37	09 MAY
VA97W-375ws	73	56.5	11	100	33	03 MAY
Croplan Genetics 514W	72	56.4	10	100	37	02 MAY
Beck 102	71	56.4	8	100	37	06 MAY
90C-292-16	71	55.0	8	100	35	05 MAY
Exsegen Rebekah	71	57.8	8	100	35	05 MAY
SS 520	71	56.7	13	100	37	02 MAY
SS 535 Raxil	71	58.2	9	100	34	07 MAY
Clark	70	57.1	10	100	38	03 MAY
Roane	70	59.4	9	100	33	07 MAY
USG 3209	70	55.9	11	100	34	05 MAY
Exsegen Abigail	68	56.7	12	100	31	03 MAY
NK Coker 9663	68	58.1	20	100	41	07 MAY
NK Coker 9184	67	59.1	3	100	33	07 MAY
NK Coker 9474	66	59.1	7	100	37	05 MAY
MEAN	74	57.3	8	100	36	06 MAY

TABLE 3B. AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 2001-2003.

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	2003 LODGING (%)	2003 SURVIVAL (%)	2003 HEIGHT (IN.)	HEADING DATE
25R37	85	59.1	5	100	34	06 MAY
25R49	85	58.1	4	100	34	06 MAY
KAS Allegiance	85	57.5	5	100	40	08 MAY
Exsegen Sarah	84	57.7	4	100	39	10 MAY
Croplan Genetics 554W	81	56.8	10	100	33	07 MAY
SS 550	80	57.8	16	100	33	06 MAY
Sisson	80	57.1	18	100	33	03 MAY
Vigoro Tribute	80	59.4	11	100	34	05 MAY
KAS Declaration	79	56.9	8	100	36	05 MAY
Hopewell	78	57.4	0	100	37	09 MAY
SS 535 Raxil	78	58.7	9	100	34	07 MAY
90C-292-16	77	56.2	8	100	35	05 MAY
Exsegen Esther	77	56.5	11	100	36	03 MAY
SS 520	77	57.2	13	100	37	02 MAY
Exsegen Rebekah	76	58.0	8	100	35	05 MAY
Roane	76	59.5	9	100	33	07 MAY
USG 3209	76	57.2	11	100	34	05 MAY
NK Coker 9663	75	58.6	20	100	41	07 MAY
NK Coker 9184	72	59.7	3	100	33	07 MAY
Clark	71	57.3	10	100	38	03 MAY
NK Coker 9474	69	59.4	7	100	37	05 MAY
MEAN	78	58.0	9	100	36	06 MAY

TABLE 4. Wheat Performance Trials for Purchase Region,** 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
25R47	83			83	56.9			56.9	0	100	36	05 MAY
KAS Allegiance	79	82	95	85	56.4	56.5	57.2	56.7	0	100	43	05 MAY
KAS Declaration	79	80	87	82	56.1	56.7	59.0	57.3	0	100	38	02 MAY
SS 520	79	64	91	78	55.5	55.9	57.5	56.3	0	100	39	28 APR
2552	78	89		84	58.9	59.2		59.1	0	100	39	03 MAY
Croplan Genetics 514W	78	63		71	55.9	56.1		56.0	0	100	38	28 APR
SS 550	77	74	92	81	56.6	57.8	60.7	58.4	0	100	36	01 MAY
VA97W-375ws	77	69		73	56.8	57.2		57.0	13	100	36	29 APR
SS 560 Gaucho	75			75	55.8			55.8	0	100	36	03 MAY
25R23	74	92		83	58.0	59.7		58.9	0	100	37	06 MAY
Trical 336	74	80		77	50.1	51.9		51.0	0	100	50	06 MAY
Weaver	74			74	55.7			55.7	0	100	41	28 APR
McCormick	73	79		76	60.6	59.6		60.1	0	100	35	03 MAY
SS 560 Raxil	73	83		78	55.7	57.3		56.5	0	100	36	03 MAY
Sisson	73	72	93	79	57.6	57.4	59.1	58.0	0	100	36	01 MAY
Vigoro Tribute	73	80	88	80	59.4	61.1	61.0	60.5	0	100	37	02 MAY
Bascom	71			71	56.1			56.1	0	100	40	01 MAY
Exsegen Esther	71	84	93	83	55.6	57.1	57.9	56.9	0	100	36	01 MAY
KAS Hamilton	71			71	56.5			56.5	0	100	37	30 APR
Vigoro V9212	71			71	55.4			55.4	0	100	38	28 APR
VA98W-706	71			71	57.7			57.7	0	100	35	29 APR
Agripro Douglas	70			70	55.2			55.2	0	100	37	07 MAY
SS 535 Raxil	70	70	87	76	57.4	57.7	60.0	58.4	0	100	36	04 MAY
VA98W-170WS	70			70	56.6			56.6	0	100	39	30 APR
25R78	69	88		79	58.0	58.9		58.5	0	100	36	03 MAY
Coyote	69			69	59.7			59.7	0	100	41	05 MAY
Agripro Benton	69			69	56.0			56.0	0	100	36	05 MAY
USG 3209	69	61	91	74	57.7	57.1	59.6	58.1	0	100	35	02 MAY
Exsegen Abigail	67	57		62	54.8	57.4		56.1	0	100	32	30 APR
Exsegen Sarah	67	79	103	83	55.9	59.0	57.2	57.4	0	100	38	08 MAY
Hopewell	67	80	92	80	55.4	58.0	61.1	58.2	0	100	38	09 MAY
KAS Independence	67		81	74	57.4		58.6	58.0	0	100	36	02 MAY
NK B960457	67			67	55.3			55.3	0	100	40	07 MAY
26R58	66			66	56.3			56.3	0	100	35	05 MAY
USG 3350	65			65	56.4			56.4	0	100	41	04 MAY
25R37	64	81	88	78	57.6	59.3	59.8	58.9	0	100	35	02 MAY
Croplan Genetics 554W	64	72	96	77	56.0	57.5	58.1	57.2	0	100	34	04 MAY
NC98-26192	64			64	56.1			56.1	0	100	38	03 MAY
25R49	63	91	99	84	56.8	59.2	59.3	58.4	0	100	36	02 MAY
USG 3430	63			63	57.2			57.2	0	100	42	04 MAY
Exsegen Rebekah	62	71	81	71	57.1	58.1	58.3	57.8	0	100	36	02 MAY
Clark	60	69	81	70	55.2	57.1	57.2	56.5	0	100	39	30 APR
NK Coker 9184	60	67	72	66	58.5	59.4	60.8	59.6	0	100	35	06 MAY
KAS Franklin	59			59	56.5			56.5	0	100	37	08 MAY
90C-292-16	58	76	88	73	56.8	56.6	58.5	57.7	0	100	36	04 MAY
Beck Ex 6108	58			58	55.9			55.9	0	100	40	06 MAY
Vigoro V9301	58			58	55.2			55.2	0	100	34	30 APR
Roane	57	69	84	70	58.9	58.9	59.9	59.2	0	100	35	06 MAY
SX 1404	57			57	51.3			51.3	0	100	36	07 MAY
KAS Jefferson	53			53	57.5			57.5	0	100	38	05 MAY
Beck 102	48	71		60	56.0	57.0		56.5	0	100	37	06 MAY
NK Coker 9474	48	68	78	65	59.1	59.2	60.5	59.6	0	100	39	06 MAY
NK Coker 9295	46			46	56.4			56.4	0	100	38	07 MAY
SX 1402	43			43	48.3			48.3	0	100	31	05 MAY
SX 1407	38			38	54.9			54.9	0	100	32	09 MAY
NK Coker 9663	34	67	92	64	57.9	58.5	58.9	58.4	25	100	44	06 MAY
SX 1411	30			30	55.2			55.2	0	100	30	07 MAY
MEAN	65	75	89	70	56.3	57.9	59.1	56.8	1	100	37	04 MAY

CV = 13.5

LSD (0.5) = 10.3

** LOCATION: Calloway County

TABLE 5. WHEAT PERFORMANCE TRIALS FOR OHIO VALLEY REGION,** 2003, 2002, 2000.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%)	SURVIVAL (%)	HEIGHT (IN.)	HEADING DATE
	2003	2002	2000	MEAN	2003	2002	2000	MEAN	2003	2003	2003	
25R47	95			95	58.9			58.9	0	100	33	08 MAY
25R23	91	73		82	60.7	59.4		60.1	0	100	34	10 MAY
NC98-26192	90			90	62.3			62.3	0	100	35	06 MAY
Bascom	89			89	58.8			58.8	0	100	36	06 MAY
KAS Allegiance	87	81	91	86	59.9	58.4	52.4	56.9	0	100	38	10 MAY
2552	85	64	100	83	60.7	61.9	57.5	60.0	0	100	33	09 MAY
Vigoro V9212	85			85	58.1			58.1	0	100	36	06 MAY
25R49	84	82		83	60.5	59.4		60.0	0	100	32	08 MAY
NK B960457	84			84	58.1			58.1	0	100	37	09 MAY
USG 3430	84			84	57.3			57.3	0	100	38	08 MAY
Vigoro Tribute	83	72		78	62.5	62.3		62.4	0	100	31	08 MAY
25R37	82	86		84	61.1	60.0		60.6	0	100	32	08 MAY
90C-292-16	82	75	83	83	60.4	58.5	52.3	56.4	0	100	35	08 MAY
VA98W-706	82			82	59.8			59.8	0	100	30	06 MAY
Coyote	81			81	61.6			61.6	0	100	34	05 MAY
KAS Jefferson	81			81	58.7			58.7	0	100	35	09 MAY
Agripro Benton	80			80	59.2			59.2	0	100	33	07 MAY
KAS Declaration	80	80	91	84	58.8	59.2	54.3	57.4	0	100	34	09 MAY
McCormick	80	74		77	60.6	60.8		60.7	0	100	30	08 MAY
NK Coker 9663	80	66	93	80	60.5	59.6	56.3	58.8	0	100	40	08 MAY
26R58	79			79	58.1			58.1	0	100	32	09 MAY
25R78	79	84		82	61.5	60.8		61.2	0	100	33	05 MAY
Beck Ex 6108	79			79	57.8			57.8	0	100	37	07 MAY
USG 3350	79			79	58.2			58.2	0	100	38	06 MAY
Croplan Genetics 514W	78	66		72	59.3	56.9		58.1	0	100	35	07 MAY
Agripro Douglas	78			78	57.9			57.9	0	100	33	10 MAY
Weaver	78			78	58.7			58.7	0	100	37	05 MAY
Hopewell	77	55		66	57.4	57.7		57.6	0	100	35	11 MAY
SS 535 Raxil	77	63	90	77	59.8	59.6	57.2	58.9	0	100	31	08 MAY
VA97W-375ws	77	73		75	59.4	59.0		59.2	0	100	31	04 MAY
Exsegen Sarah	76	71		74	55.6	58.8		57.2	0	100	37	12 MAY
SS 520	76	54	103	78	59.0	57.9	55.7	57.5	0	100	36	05 MAY
Trical 336	76	76		76	52.2	53.2		52.7	0	100	47	07 MAY
Beck 102	75	61		68	58.7	59.5		59.1	0	100	36	07 MAY
NK Coker 9184	75	70		73	59.7	60.6		60.2	0	100	32	08 MAY
NK Coker 9295	75			75	58.6			58.6	0	100	35	11 MAY
Roane	75	58	95	76	60.8	61.2	58.1	60.0	0	100	30	08 MAY
SS 560 Gaucho	75			75	57.1			57.1	0	100	32	08 MAY
Vigoro V9301	75			75	59.5			59.5	0	100	30	03 MAY
Clark	74	56	96	75	58.9	57.9	53.3	56.7	0	100	37	04 MAY
NK Coker 9474	74	56	83	71	61.3	60.5	56.1	59.3	0	100	34	06 MAY
SS 550	74	68	95	79	56.5	58.7	55.8	57.0	0	100	31	08 MAY
USG 3209	73	73	95	80	56.1	60.4	55.1	57.2	0	100	31	08 MAY
Exsegen Esther	72	71		72	57.4	57.3		57.4	5	100	35	04 MAY
VA98W-170WS	72			72	59.7			59.7	0	100	33	04 MAY
KAS Independence	71		98	85	57.5		56.1	56.8	0	100	34	04 MAY
KAS Hamilton	70			70	59.7			59.7	18	100	32	06 MAY
SS 560 Raxil	70	79		75	56.7	57.7		57.2	0	100	32	09 MAY
Croplan Genetics 554W	68	77		73	57.8	57.6		57.7	3	100	31	09 MAY
Exsegen Abigail	68	64		66	56.5	58.4		57.5	0	100	28	08 MAY
SX 1407	67			67	56.0			56.0	0	100	29	09 MAY
Exsegen Rebekah	66	68		67	57.7	59.4		58.6	0	100	31	06 MAY
KAS Franklin	66			66	59.0			59.0	0	100	36	11 MAY
SX 1402	65			65	52.3			52.3	0	100	29	09 MAY
Sisson	65	71	98	78	56.5	59.5	56.7	57.6	13	100	32	06 MAY
SX 1404	61			61	54.2			54.2	0	100	32	11 MAY
SX 1411	52			52	53.7			53.7	0	100	28	08 MAY
MEAN	77	70	94	77	58.5	59.1	55.5	58.2	1	100	34	08 MAY

CV = 9.6

LSD (0.5) = 8.6

** LOCATION: Union County

TABLE 6. WHEAT PERFORMANCE TRIALS FOR BLUEGRASS REGION,** 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
2552	104	66		85	57.5	53.5	55.5	5	100	35	09 MAY	
25R49	100	59	74	78	60.0	48.6	58.1	55.6	1	100	33	10 MAY
26R58	99			99	55.8			55.8	0	100	34	08 MAY
25R78	99	57		78	56.3	50.8		53.6	0	100	34	07 MAY
25R47	98			98	57.3			57.3	0	100	34	09 MAY
Vigoro V9212	98			98	58.4			58.4	4	100	38	07 MAY
25R23	97	59		78	55.5	60.0		57.8	0	100	35	10 MAY
25R37	97	58	88	81	62.9	55.1	60.3	59.4	0	100	33	10 MAY
Trical 336	97	71		84	48.6	48.2		48.4	9	100	47	11 MAY
Coyote	96			96	59.9			59.9	1	100	36	07 MAY
VA97W-375ws	96	63		80	58.7	55.3		57.0	4	100	30	08 MAY
90C-292-16	95	40	79	87	56.0	48.8	59.6	57.8	0	100	34	09 MAY
Bascom	95			95	57.3			57.3	0	100	37	07 MAY
Sisson	95	69	83	82	57.1	54.7	60.3	57.4	3	100	32	07 MAY
VA98W-706	95			95	59.0			59.0	0	100	33	09 MAY
Weaver	93			93	56.5			56.5	13	100	38	07 MAY
KAS Allegiance	92	64	78	78	58.6	55.3	59.7	57.9	0	100	38	11 MAY
SS 560 Gaucho	92			92	55.6			55.6	5	100	32	10 MAY
Exsegen Abigail	91	44		68	58.3	52.7		55.5	1	100	30	07 MAY
Hopewell	91	39	86	72	57.3	55.3	60.0	57.5	0	100	36	12 MAY
McCormick	91	54		73	59.9	57.7		58.8	0	100	31	10 MAY
Roane	91	60	87	79	58.1	59.3	60.9	59.4	4	100	32	11 MAY
SS 550	91	63	83	79	58.2	52.8	60.4	57.1	21	100	33	10 MAY
KAS Declaration	90	40	94	75	56.4	50.9	59.9	55.7	16	100	35	09 MAY
KAS Hamilton	90			90	57.0			57.0	0	100	33	08 MAY
SS 535 Raxil	89	61	91	80	59.0	56.2	60.6	58.6	0	100	33	10 MAY
Vigoro Tribute	89	55	74	73	57.5	53.6	61.5	57.5	18	100	33	08 MAY
Agripro Benton	88			88	57.7			57.7	8	100	35	10 MAY
Agripro Douglas	88			88	57.2			57.2	9	100	35	11 MAY
Exsegen Rebekah	88	58	88	78	57.5	58.5	59.1	58.4	3	100	34	08 MAY
Exsegen Sarah	88	66	84	79	51.4	57.2	61.4	56.7	9	100	38	14 MAY
Vigoro V9301	88			88	57.5			57.5	0	100	31	07 MAY
KAS Jefferson	87			87	56.9			56.9	0	100	36	10 MAY
NK B960457	87			87	55.7			55.7	1	100	36	11 MAY
NK Coker 9295	87			87	57.2			57.2	1	100	37	11 MAY
NK Coker 9184	87	57	79	74	59.1	58.5	60.8	59.5	0	100	32	11 MAY
SS 560 Raxil	87	71		79	56.3	55.5		55.9	1	100	32	10 MAY
USG 3209	87	36	82	68	54.0	52.6	60.2	55.6	1	100	32	09 MAY
Beck Ex 6108	86			86	56.6			56.6	3	100	37	09 MAY
USG 3350	86			86	55.1			55.1	1	100	38	07 MAY
Beck 102	84	58		71	56.8	53.5		55.2	1	100	37	09 MAY
VA98W-170WS	84			84	59.5			59.5	0	100	35	07 MAY
Clark	83	48	71	67	58.3	56.2	59.2	57.9	0	100	37	07 MAY
Exsegen Esther	83	61	72	72	56.0	57.3	58.3	57.2	13	100	36	06 MAY
KAS Independence	83		75	79	57.6		59.5	58.6	6	100	34	08 MAY
SS 520	83	58	77	73	58.2	55.1	58.1	57.1	0	100	36	07 MAY
USG 3430	83			83	55.3			55.3	1	100	40	07 MAY
KAS Franklin	82			82	61.8			61.8	0	100	37	12 MAY
NC98-26192	82			82	57.4			57.4	13	100	33	08 MAY
Croplan Genetics 554W	81	68	89	79	54.0	55.0	59.8	56.3	4	100	32	10 MAY
NK Coker 9474	81	50	59	63	61.7	53.9	60.6	58.7	0	100	36	09 MAY
Croplan Genetics 514W	77	46		62	58.5	59.5		59.0	9	100	37	06 MAY
SX 1402	74			74	46.3			46.3	0	100	30	11 MAY
SX 1404	73			73	51.3			51.3	9	100	34	12 MAY
SX 1407	73			73	53.0			53.0	1	100	30	11 MAY
NK Coker 9663	63	46	87	65	57.5	57.3	61.0	58.6	20	100	39	10 MAY
SX 1411	57			57	46.9			46.9	0	100	29	10 MAY
MEAN	88	57	81	81	56.7	55.0	60.0	56.6	4	100	35	09 MAY

CV = 8.8

LSD (0.5) = 9.1

** LOCATION: LEXINGTON, SPINDLETOP FARM

TABLE 7. WHEAT PERFORMANCE TRIALS FOR WESTERN COAL FIELD REGION,** 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
KAS Allegiance	86	82	97	88	59.0	58.5	56.7	58.1	0	100	41	05 MAY
25R49	84	91	89	88	60.7	59.9	56.9	59.2	0	100	36	02 MAY
25R23	83	84		84	60.1	60.7		60.4	0	100	37	04 MAY
Croplan Genetics 514W	80	74		77	58.5	59.2		58.9	0	100	37	29 APR
25R47	79			79	58.7			58.7	0	100	36	04 MAY
SS 520	79	75	86	80	57.4	60.3	57.9	58.5	0	100	37	29 APR
SS 550	79	77	97	84	59.3	61.4	58.2	59.6	0	100	34	04 MAY
25R37	77	93	105	92	60.5	62.1	57.7	60.1	0	100	36	02 MAY
Coyote	77			77	61.0			61.0	0	100	37	01 MAY
Agripro Douglas	77			77	58.4			58.4	0	100	37	05 MAY
Exsegen Sarah	77	86	103	89	60.3	62.7	55.9	59.6	0	100	38	07 MAY
McCormick	77	81		79	61.9	61.0		61.5	0	100	35	02 MAY
NK Coker 9663	76	79	87	81	60.2	59.6	58.2	59.3	0	100	41	03 MAY
Weaver	76			76	58.4			58.4	0	100	39	30 APR
USG 3209	75	74	91	80	59.4	59.3	57.3	58.7	0	100	34	01 MAY
2552	74	77		76	60.9	60.1		60.5	0	100	36	04 MAY
25R78	74	87		81	60.4	61.6		61.0	0	100	36	02 MAY
Vigoro Tribute	74	81	92	82	61.7	61.8	59.1	60.9	0	100	34	02 MAY
USG 3350	74			74	58.9			58.9	0	100	41	03 MAY
Vigoro V9212	74			74	58.1			58.1	0	100	38	30 APR
26R58	73			73	57.5			57.5	0	100	35	04 MAY
Bascom	73			73	58.6			58.6	0	100	38	30 APR
NK Coker 9295	73			73	59.8			59.8	0	100	36	04 MAY
VA98W-706	73			73	59.4			59.4	0	100	35	01 MAY
90C-292-16	72	77	96	84	59.7	59.3	57.5	58.6	0	100	36	03 MAY
Beck Ex 6108	72			72	58.9			58.9	0	100	40	03 MAY
Hopewell	72	61	94	76	59.2	59.9	54.2	57.8	0	100	35	06 MAY
USG 3430	72			72	58.4			58.4	0	100	41	01 MAY
KAS Declaration	71	73	92	79	59.8	60.4	55.7	58.6	0	100	37	02 MAY
Exsegen Esther	71	88	88	82	56.6	59.7	56.3	57.5	0	100	37	03 MAY
KAS Jefferson	70			70	59.9			59.9	0	100	37	04 MAY
VA97W-375ws	70	79		75	58.6	60.0		59.3	0	100	34	01 MAY
Agripro Benton	69			69	59.1			59.1	0	100	36	03 MAY
Croplan Genetics 554W	69	81	95	82	58.6	58.2	57.4	58.1	0	100	34	03 MAY
NK B960457	69			69	57.8			57.8	0	100	39	03 MAY
SS 535 Raxil	69	77	90	79	60.3	59.7	59.0	59.7	0	100	34	04 MAY
SS 560 Gaucho	69			69	58.4			58.4	0	100	35	04 MAY
SS 560 Raxil	69	89		79	58.3	59.2		58.7	0	100	33	04 MAY
Sisson	69	76	92	79	59.7	59.4	58.7	59.3	0	100	34	01 MAY
Trical 336	69	78		74	52.2	54.5		53.4	0	100	49	05 MAY
Exsegen Rebekah	68	74	89	77	59.3	59.7	56.9	58.6	0	100	35	02 MAY
KAS Independence	67			75	59.1			57.1	0	100	36	02 MAY
Roane	67	67	89	74	62.1	61.3	58.4	60.6	0	100	34	04 MAY
Clark	66	69	75	70	59.1	59.4	56.5	58.3	0	100	38	01 MAY
KAS Franklin	66			66	58.2			58.2	0	100	37	06 MAY
VA98W-170WS	66			66	59.2			59.2	0	100	35	29 APR
Beck 102	65	79		72	59.0	58.8		58.9	0	100	38	03 MAY
KAS Hamilton	65			65	59.7			59.7	0	100	35	01 MAY
NC98-26192	65			65	59.2			59.2	0	100	35	02 MAY
NK Coker 9474	65	72	85	74	61.1	61.9	59.6	60.9	0	100	36	03 MAY
Vigoro V9301	63			63	58.6			58.6	0	100	31	30 APR
Exsegen Abigail	61	74		68	58.9	59.9		59.4	0	100	32	30 APR
NK Coker 9184	61	69	93	74	61.1	61.3	59.2	60.5	0	100	33	04 MAY
SX 1407	60			60	57.8			57.8	0	100	33	05 MAY
SX 1404	54			54	53.8			53.8	0	100	34	05 MAY
SX 1411	49			49	54.8			54.8	0	100	30	04 MAY
SX 1402	44			44	51.2			51.2	0	100	30	05 MAY
MEAN	71	78	91	74	58.9	60.1	57.5	58.8	0	100	36	03 MAY

CV = 9.1

LSD (0.5) = 7.5

** LOCATION: PRINCETON

TABLE 8A. WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION*, 2000-2002.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2002	2001	2000	MEAN	2002	2001	2000	MEAN	(%)	(%)	(IN.)	DATE
Trical 336	93			93	51.7			51.7	0	100	47	4-MAY
25R23	90			90	61.1			61.1	0	100	37	7-MAY
25R78	88			88	60.2			60.2	0	100	34	1-MAY
25W60	87	98	78	88	59.4	59.1	58.8	59.1	0	100	37	1-MAY
25R44	85	101		93	59.7	60.3		60.0	0	100	35	4-MAY
25R49	85	105		95	58.6	58.3		58.5	0	100	36	3-MAY
25R37	84	86		85	60.9	59.8		60.4	0	100	35	3-MAY
Beck 110	84			84	61.0			61.0	0	100	39	2-MAY
SS 535 Gaucho	84	85		84	60.9	60.3		60.6	0	100	33	3-MAY
KAS Declaration	83	99	77	86	59.7	58.6	56.8	58.4	0	100	35	1-MAY
Agripro Foster	82	96	75	84	61.2	58.8	56.0	58.7	0	100	36	3-MAY
2552	82		84	83	59.7		58.6	59.2	0	100	35	3-MAY
VA97W-375ws	82			82	59.8			59.8	0	100	32	1-MAY
KY90C-042-37-1	79	94		87	59.5	58.9		59.2	0	100	37	3-MAY
Vigoro Tribute	79	94		86	62.0	61.4		61.7	0	100	31	2-MAY
Agripro Patton	78	92	80	83	58.7	59.2	56.8	58.2	0	100	36	1-MAY
SS 560	77			77	58.4			58.4	0	100	33	1-MAY
Exsegen Rebekah	77	85		81	59.7	57.3		58.5	0	100	35	2-MAY
25W33	77	97	79	84	57.8	56.8	55.0	56.5	0	100	35	3-MAY
SS 535 Raxil	77	97	70	81	60.5	59.8	57.0	59.1	0	100	33	4-MAY
KY91C-261-28	77	96		86	59.3	58.1		58.7	0	100	36	4-MAY
KAS Allegiance	77	96	79	84	58.8	57.5	53.1	56.5	0	100	39	3-MAY
90C-292-16	76	99	80	85	58.4	58.7	58.5	58.5	0	100	34	1-MAY
Exsegen Sarah	75	98		87	58.4	60.1		59.2	0	100	40	9-MAY
SS 550	75	90	74	80	58.4	58.2	57.4	58.0	0	100	34	2-MAY
SS EXP 564	75			75	58.6			58.6	0	100	34	4-MAY
Croplan Genetics 554W	74	101		88	58.1	57.7		57.9	0	100	33	1-MAY
Dixie 900	73			73	59.6			59.6	0	100	39	3-MAY
25R24	73			73	60.0			60.0	0	100	34	1-MAY
Madison	73	96	71	80	59.7	59.3	52.8	57.3	0	100	36	28-APR
Dixie * 9512	73			73	60.4			60.4	0	100	39	2-MAY
M94*1549-1	73			73	58.8			58.8	0	100	37	2-MAY
Dixie * 9611	72			72	58.9			58.9	0	100	38	2-MAY
NK Coker 9663	72	92	60	75	59.5	59.8	58.1	59.1	0	100	38	2-MAY
McCormick	71			71	59.9			59.9	0	100	31	3-MAY
Century II	71			71	59.5			59.5	0	100	34	2-MAY
Beck 102	70			70	59.9			59.9	0	100	36	3-MAY
Roane	69	88	71	76	62.5	62.0	58.1	60.9	0	100	32	5-MAY
Exsegen Abigail	68			68	56.6			56.6	0	100	29	28-APR
USG 3209	67	97	64	76	60.6	59.7	53.5	57.9	0	100	31	2-MAY
NK Coker 9025	65	92	55	71	57.8	56.1	43.7	52.5	0	100	34	5-MAY
Clark	64	76	74	71	59.3	58.8	56.2	58.1	0	100	36	2-MAY
Sisson	64	91	68	74	58.7	59.5	58.9	59.0	0	100	33	29-APR
Exsegen Esther	63	84		74	57.7	56.8		57.2	0	100	36	1-MAY
SS 520	61	93	74	76	57.7	57.4	59.8	58.3	0	100	33	26-APR
Hopewell	61	96		78	59.3	53.2		56.2	0	100	36	7-MAY
NK Coker 9474	58	82	66	69	61.4	60.4	56.9	59.6	0	100	34	3-MAY
Croplan Genetics 514W	58			58	57.2			57.2	0	100	33	26-APR
NK Coker 9184	54	90		72	61.3	61.5		61.4	0	100	31	4-MAY
MEAN	74	93	73	79	59.3	58.8	56.1	58.7	0	100	35	

CV = 9.6

LSD (0.05) = 8.3

* LOCATION: Logan County

TABLE 8B. WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION,** 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
Exsegen Sarah	105	97	92	98	56.1	59.8	58.0	58.0	14	100	43	05 MAY
25R23	102	100		101	54.7	62.1		58.4	0	100	41	04 MAY
25R37	102	100	90	97	55.4	62.2	60.1	59.2	31	100	39	03 MAY
2552	99	91		95	50.0	61.4		55.7	43	100	41	03 MAY
Coyote	99			99	54.6			54.6	18	100	41	30 APR
Hopewell	98	88	84	90	48.3	61.8	57.8	56.0	0	100	43	05 MAY
Trical 336	98	97		98	44.0	55.1		49.6	23	100	52	04 MAY
25R49	97	99	97	98	54.4	61.3	60.8	58.8	25	100	39	03 MAY
26R58	97			97	52.5			52.5	40	100	40	03 MAY
McCormick	97	84		91	54.0	62.6		58.3	30	100	36	02 MAY
25R78	95	103		99	56.0	61.1		58.6	29	100	38	01 MAY
25R47	93			93	51.6			51.6	31	100	38	04 MAY
VA98W-706	93			93	53.6			53.6	58	100	37	30 APR
Agripro Benton	92			92	53.1			53.1	35	100	39	03 MAY
Vigoro V9212	89			89	53.0			53.0	44	100	43	30 APR
KAS Franklin	88			88	51.3			51.3	35	100	41	04 MAY
KAS Independence	88		98	93	50.0		58.0	54.0	28	100	38	02 MAY
Roane	88	87	85	87	50.7	63.4	59.4	57.8	48	100	38	04 MAY
SS 560 Gaucho	88			88	52.7			52.7	41	100	37	03 MAY
Beck 102	87	90		89	48.5	61.7		55.1	48	100	40	02 MAY
Croplan Genetics 514W	87	76		82	47.4	59.3		53.4	50	100	39	27 APR
Weaver	85			85	46.3			46.3	63	100	43	29 APR
Croplan Genetics 554W	84	87	111	94	47.4	59.9	58.4	55.2	53	100	37	03 MAY
KAS Declaration	84	89	93	89	51.3	60.0	60.3	57.2	29	100	40	02 MAY
SX 1404	84			84	45.9			45.9	74	100	39	04 MAY
Clark	83	87	79	83	49.5	61.7	58.7	56.6	58	100	42	29 APR
KAS Jefferson	83			83	52.8			52.8	5	100	42	05 MAY
Agripro Douglas	82			82	50.3			50.3	10	100	40	05 MAY
Exsegen Esther	82	84	94	87	50.9	59.1	58.0	56.0	51	100	40	28 APR
KAS Hamilton	82			82	52.2			52.2	20	100	37	02 MAY
NK B960457	81			81	46.6			46.6	31	100	41	03 MAY
SX 1407	81			81	46.1			46.1	53	100	36	04 MAY
Vigoro Tribute	81	83	103	89	52.5	63.0	61.5	59.0	49	100	38	02 MAY
Exsegen Rebekah	80	91	85	85	53.7	60.1	59.0	57.6	44	100	39	01 MAY
SS 560 Raxil	80	87		84	53.6	60.8		57.2	78	100	38	04 MAY
Vigoro V9301	79			79	52.5			52.5	76	100	35	28 APR
Exsegen Abigail	78	68		73	50.5	61.6		56.1	71	100	34	29 APR
NC98-26192	78			78	47.2			47.2	65	100	39	02 MAY
USG 3209	78	80	90	83	48.6	59.3	65.1	57.7	65	100	37	30 APR
KAS Allegiance	77	97	93	89	52.4	60.2	57.0	56.5	33	100	44	04 MAY
90C-292-16	75	85	101	88	51.8	60.2	59.3	55.6	45	100	39	03 MAY
Bascom	75			75	48.8			48.8	60	100	40	01 MAY
Beck Ex 6108	73			73	45.8			45.8	63	100	41	04 MAY
USG 3350	72			72	50.4			50.4	45	100	43	02 MAY
NK Coker 9663	71	80	89	80	52.2	62.4	59.3	58.0	74	100	43	03 MAY
NK Coker 9474	70	81	76	76	53.6	63.8	59.1	58.8	41	100	41	01 MAY
Sisson	69	82	91	81	47.6	59.5	58.8	55.3	93	100	35	28 APR
VA98W-170WS	68			68	51.2			51.2	65	100	39	29 APR
SS 550	67	90	102	86	53.6	61.5	58.6	57.9	76	100	37	01 MAY
NK Coker 9184	66	74	80	73	52.7	64.0	62.9	59.9	18	100	39	05 MAY
SS 535 Raxil	66	80	97	81	53.1	59.9	58.6	57.2	54	100	38	02 MAY
SS 520	65	77	101	81	51.6	59.5	59.5	56.9	79	100	40	27 APR
NK Coker 9295	63			63	50.7			50.7	29	100	40	05 MAY
SX 1411	63			63	43.3			43.3	65	100	33	05 MAY
VA97W-375ws	57	91		74	48.4	61.0		54.7	51	100	35	28 APR
USG 3430	54			54	44.1			44.1	51	100	42	29 APR
SX 1402	51			51	41.6			41.6	86	100	34	04 MAY
MEAN	81	87	92	83	50.6	61.0	59.5	53.5	44	100	39	02 MAY

CV = 14.8

LSD (0.5) = 14.1

** LOCATION: WARREN COUNTY

TABLE 8C. KENTUCKY NO-TILL VARIETY TRIAL LOGAN COUNTY, 2003.

NAME	YIELD (BU/A)	TEST WT. (LB/BU)	LODGING (%)	HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
25R47	94.9	57.6	0	37	100	1-MAY
25R78	93.5	59.6	0	37	100	28-APR
2552	91.6	60.6	0	39	100	2-MAY
26R58	90.9	58.0	0	37	100	1-MAY
25R37	90.0	60.5	0	37	100	30-APR
25R49	88.9	60.4	0	36	100	1-MAY
Exsegen Sarah	88.1	60.4	0	40	100	4-MAY
25R23	88.1	60.3	0	38	100	1-MAY
Vigoro V9212	87.5	58.6	15	41	100	29-APR
KAS Allegiance	86.4	58.3	0	42	100	1-MAY
Exsegen Esther	86.1	55.9	0	38	100	27-APR
USG 3209	85.5	58.0	0	34	100	27-APR
VA98W-706	85.3	58.8	8	34	100	26-APR
USG 3350	84.9	58.0	5	41	100	27-APR
SS 560 Raxil	84.1	57.2	0	35	100	1-MAY
Vigoro Tribute	83.9	61.0	0	36	100	29-APR
Coyote	83.8	60.6	25	40	100	26-APR
KAS Declaration	83.8	58.6	0	38	100	28-APR
Weaver	83.7	58.0	0	40	100	28-APR
Croplan Genetics 554W	83.1	57.0	0	36	100	1-MAY
KAS Hamilton	82.8	58.4	0	36	100	27-APR
Beck Ex 6108	81.9	58.2	0	40	100	29-APR
KAS Franklin	81.6	59.9	0	39	100	2-MAY
Hopewell	81.3	59.2	0	40	100	2-MAY
Beck 102	81.1	57.5	0	40	100	30-APR
SS 560 Gaucho	80.7	56.9	0	36	100	2-MAY
25W60	80.6	57.8	0	40	100	30-APR
Bascom	79.9	57.7	11	40	100	29-APR
McCormick	79.2	61.0	4	35	100	30-APR
USG 3430	79.0	58.2	15	41	100	26-APR
NK B960457	78.5	56.4	13	40	100	30-APR
Agipro Benton	78.3	57.7	0	38	100	2-MAY
Roane	78.1	60.7	0	36	100	1-MAY
VA97W-375ws	77.8	56.9	5	34	100	26-APR
VA98W-170WS	77.6	57.8	36	39	100	25-APR
SS 550	77.4	58.3	8	35	100	28-APR
Exsegen Rebekah	76.2	58.3	0	37	100	29-APR
Vigoro V9301	75.8	57.0	13	34	100	25-APR
KAS Jefferson	75.7	58.5	0	41	100	2-MAY
SX 1407	75.5	58.8	0	33	100	3-MAY
NK Coker 9295	75.3	57.5	0	38	100	2-MAY
Agipro Douglas	75.1	56.7	0	38	100	3-MAY
NK Coker 9474	74.9	60.9	4	40	100	28-APR
Sisson	74.8	59.1	8	34	100	25-APR
Trical 336	74.2	51.8	0	50	100	2-MAY
KAS Independence	73.8	58.7	0	37	100	30-APR
SX 1404	73.2	56.6	0	36	100	3-MAY
NK Coker 9184	72.5	61.0	0	35	100	1-MAY
Croplan Genetics 514W	70.3	56.3	0	39	100	25-APR
Exsegen Abigail	69.8	57.8	21	33	100	26-APR
NK Coker 9663	69.5	58.3	56	42	100	30-APR
SS 535 Raxil	68.9	59.3	18	36	100	30-APR
SS 520	68.0	56.1	0	39	100	24-APR
Clark	66.4	57.7	0	40	100	27-APR
SX 1411	64.1	55.4	0	31	100	2-MAY
SX 1402	59.1	53.6	8	32	100	2-MAY
MEAN	79.5	58.2	5	38	100	29

Yield CV = 7

Yield LSD (0.05) = 6.5

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

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
Vigoro V9212	96			96	56.6			56.6	0	100	37	09 MAY
Trical 336	91	29		60	50.9	46.9		48.9	0	100	46	09 MAY
KAS Allegiance	89	63	96	83	58.1	54.6	58.3	57.0	0	100	38	12 MAY
Exsegen Sarah	88	48	94	77	55.3	57.1	58.4	56.9	0	100	37	15 MAY
Sisson	88	65	90	81	56.7	48.3	57.5	54.2	0	100	33	07 MAY
26R58	86			86	55.9			55.9	0	100	33	08 MAY
Vigoro Tribute	86	61	84	77	59.4	52.0	59.5	57.0	0	100	32	09 MAY
25R37	85	44	96	75	57.9	51.8	60.2	56.6	0	100	32	09 MAY
Hopewell	85	53	94	77	57.2	56.7	57.2	57.0	0	100	35	14 MAY
SS 560 Gaucho	84			84	55.7			55.7	0	100	32	11 MAY
NK Coker 9663	83	63	88	78	57.2	54.4	60.1	57.2	0	100	40	11 MAY
USG 3209	83	43	88	71	54.9	51.2	58.0	54.7	0	100	33	10 MAY
Weaver	83			83	56.7			56.7	0	100	38	08 MAY
2552	82	50		66	58.5	53.2		55.9	0	100	32	12 MAY
25R78	82	56		69	55.6	53.1		54.4	0	100	33	07 MAY
KAS Declaration	82	34	83	66	52.7	50.3	58.2	53.7	0	100	35	09 MAY
USG 3350	82			82	55.7			55.7	0	100	37	08 MAY
25R23	81	54		68	56.4	56.7		56.6	0	100	34	11 MAY
McCormick	81	53		67	61.7	50.5		56.1	0	100	29	09 MAY
NK B960457	81			81	55.3			55.3	0	100	35	12 MAY
25R49	80	59	91	77	58.2	54.9	58.7	57.3	0	100	32	09 MAY
Bascom	80			80	56.7			56.7	0	100	36	08 MAY
Croplan Genetics 514W	80	60		70	52.2	54.3		53.3	0	100	35	07 MAY
SS 535 Raxil	80	53	89	74	58.7	56.8	60.5	58.7	0	100	31	11 MAY
SS 550	80	46	86	71	56.0	51.5	58.9	55.5	0	100	29	10 MAY
Clark	78	62	61	67	56.7	54.4	57.8	56.3	0	100	35	09 MAY
Roane	78	44	91	71	59.1	58.6	60.3	59.3	0	100	31	12 MAY
Beck Ex 6108	77			77	56.0			56.0	0	100	36	09 MAY
Croplan Genetics 554W	77	58	92	76	54.9	55.4	57.9	56.1	0	100	30	12 MAY
Exsegen Abigail	77	57		67	57.5	53.1		55.3	0	100	29	07 MAY
Exsegen Rebekah	77	38	86	67	56.8	55.2	59.3	57.1	0	100	33	08 MAY
NK Coker 9295	77			77	56.7			56.7	0	100	34	14 MAY
KAS Independence	75		82	79	56.5		59.4	58.0	0	100	33	08 MAY
SS 520	75	60	90	75	55.3	54.5	57.4	55.7	0	100	33	08 MAY
USG 3430	75			75	55.3			55.3	0	100	34	08 MAY
Beck 102	74	58		66	54.8	52.9		53.9	0	100	34	09 MAY
Agripro Benton	73			73	56.6			56.6	0	100	32	11 MAY
Agripro Douglas	73			73	56.2			56.2	0	100	34	13 MAY
25R47	72			72	56.9			56.9	0	100	32	10 MAY
90C-292-16	72	35	80	76	56.8	29.3	58.5	57.7	0	100	33	09 MAY
Coyote	72			72	58.2			58.2	0	100	35	07 MAY
KAS Franklin	71			71	57.1			57.1	0	100	34	13 MAY
NK Coker 9474	71	51	76	66	59.2	54.3	60.6	58.0	0	100	35	09 MAY
VA97W-375ws	71	54		63	52.6	51.5		52.1	0	100	32	09 MAY
SS 560 Raxil	69	67		68	52.3	56.3		54.3	0	100	29	11 MAY
VA98W-170WS	69			69	56.1			56.1	0	100	34	07 MAY
Exsegen Esther	68	44	77	63	54.6	50.2	57.5	54.1	0	100	33	07 MAY
KAS Jefferson	68			68	52.7			52.7	0	100	33	10 MAY
NK Coker 9184	67	50	85	67	57.9	56.4	61.5	58.6	0	100	29	12 MAY
Vigoro V9301	66			66	56.7			56.7	0	100	29	07 MAY
VA98W-706	65			65	55.3			55.3	0	100	28	10 MAY
SX 1402	64			64	48.9			48.9	0	100	28	12 MAY
SX 1404	64			64	50.9			50.9	0	100	30	15 MAY
NC98-26192	62			62	59.7			59.7	0	100	32	09 MAY
SX 1407	61			61	54.0			54.0	0	100	29	12 MAY
KAS Hamilton	58			58	56.4			56.4	0	100	32	08 MAY
SX 1411	45			45	46.1			46.1	0	100	28	12 MAY
MEAN	76	53	86	72	55.8	53.6	58.9	55.6	0	100	33	10 MAY

CV = 12.0

LSD (0.5) = 10.7

** LOCATION: SHELBY COUNTY

TABLE 10. WHEAT PERFORMANCE TRIALS FOR NO-TILL WEST KENTUCKY REGION,** 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE
	2003	2002	2001	MEAN	2003	2002	2001	MEAN				
SS 560 Raxil	86	73		80	57.1	60.0		58.5	0	100	36	02 MAY
25R78	85	72		79	57.0	61.0		59.0	0	100	36	30 APR
Exsegen Sarah	83	78	73	78	58.0	57.7	54.0	56.6	0	100	40	07 MAY
Weaver	83			83	57.4			57.4	0	100	40	02 MAY
Croplan Genetics 514W	82	71		77	56.5	58.8		57.7	5	100	37	28 APR
SS 520	82	68	69	73	57.1	59.8	58.7	58.5	1	100	37	29 APR
25R37	81	77	86	81	59.2	61.7	58.7	59.9	0	100	35	03 MAY
25R47	81			81	57.4			57.4	0	100	36	04 MAY
Bascom	81			81	57.1			57.1	0	100	39	01 MAY
Exsegen Esther	81	75	65	74	57.8	59.0	58.9	58.6	0	100	37	01 MAY
SS 560 Gaucho	81			81	57.3			57.3	0	100	35	04 MAY
VA98W-706	81			81	58.3			58.3	0	100	35	02 MAY
2552	81	73		77	59.4	60.4		59.9	0	100	37	03 MAY
Agripro Benton	80			80	57.7			57.7	0	100	38	03 MAY
USG 3430	80			80	58.3			58.3	0	100	42	02 MAY
26R58	79			79	57.9			57.9	0	100	36	03 MAY
Beck 102	79	68		74	57.1	59.9		58.5	0	100	39	02 MAY
USG 3350	79			79	58.1			58.1	0	100	41	02 MAY
25R23	78	85		82	58.6	63.0		60.8	0	100	38	05 MAY
25R49	78	83	64	75	60.0	60.3	54.7	58.3	0	100	36	02 MAY
KAS Declaration	78	70		74	58.5	59.6		59.1	0	100	37	03 MAY
McCormick	78	71		75	59.4	61.9		60.7	0	100	34	02 MAY
Beck Ex 6108	77			77	57.7			57.7	0	100	40	02 MAY
Vigoro V9212	77			77	56.1			56.1	0	100	40	02 MAY
Coyote	76			76	58.8			58.8	3	100	38	29 APR
SS 550	76	69	76	74	57.7	60.4	58.8	59.0	3	100	34	03 MAY
Trical 336	76	74		75	50.1	52.7		51.4	20	100	50	04 MAY
25W60	75	69	70	71	57.7	59.5	57.4	58.2	0	100	39	03 MAY
KAS Allegiance	75	76		76	57.9	58.2		58.1	0	100	41	05 MAY
Roane	75	62	68	68	61.3	61.9	60.7	61.3	0	100	37	03 MAY
VA98W-170WS	75			75	56.6			56.6	13	100	36	29 APR
NK B960457	74			74	54.3			54.3	0	100	40	03 MAY
USG 3209	74	67	72	71	57.8	60.1	58.1	58.7	0	100	34	02 MAY
VA97W-375ws	74	70		72	57.2	59.8		58.5	0	100	34	02 MAY
Sisson	73	69	70	71	57.3	60.4	59.3	59.0	1	100	33	02 MAY
Croplan Genetics 554W	72	77	74	74	54.6	60.1	52.0	55.6	0	100	36	04 MAY
KAS Jefferson	72			72	57.9			57.9	0	100	40	03 MAY
NK Coker 9663	72	71	66	70	58.8	61.5	58.0	59.4	41	100	42	03 MAY
Clark	71	56	59	62	59.1	59.3	57.7	58.7	0	100	39	02 MAY
Agripro Douglas	71			71	56.2			56.2	0	100	38	05 MAY
NK Coker 9295	70			70	53.5			53.5	0	100	38	04 MAY
KAS Franklin	70			70	58.0			58.0	0	100	38	06 MAY
KAS Hamilton	70			70	58.6			58.6	0	100	35	02 MAY
Hopewell	70	62	69	67	57.7	60.5	55.3	57.8	0	100	39	07 MAY
NK Coker 9184	70	62	66	66	59.3	61.6	60.7	60.5	0	100	34	05 MAY
SS 535 Raxil	70	68	69	69	57.6	61.5	59.5	59.5	3	100	35	03 MAY
Exsegen Rebekah	68	68	70	69	58.7	61.4	58.2	59.4	0	100	36	02 MAY
NK Coker 9474	67	60	65	64	59.9	62.8	61.0	61.2	0	100	40	03 MAY
Exsegen Abigail	66	60		63	56.6	60.0		58.3	0	100	33	30 APR
KAS Independence	65		70	68	58.9		58.9	58.9	0	100	36	03 MAY
SX 1407	65			65	55.7			55.7	0	100	33	06 MAY
SX 1404	63			63	53.2			53.2	0	100	36	06 MAY
Vigoro Tribute	63	71	67	67	59.2	63.1	58.1	60.1	1	100	36	03 MAY
Vigoro V9301	63			63	54.5			54.5	14	100	33	29 APR
SX 1411	54			54	50.5			50.5	0	100	30	04 MAY
SX 1402	52			52	47.9			47.9	0	100	30	04 MAY
MEAN	74	70	69	73	57.2	60.2	57.9	57.6	2	100	37	03 MAY

CV = 7.7

LSD (0.5) = 6.6

** LOCATION: Princeton, No-till

TABLE 11. WHEAT PERFORMANCE TRIALS FOR NO-TILL NORTH CENTRAL REGION,* 2000-2002.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING	SURVIVAL	HEIGHT	HEADING
	2002	2001	2000	MEAN	2002	2001	2000	MEAN	(%) 2002	(%) 2002	(IN.) 2002	DATE 2002
M94*1549-1	68			68	56.1			56.1	0	100	37	7-MAY
Clark	61	63	86	70	52.2	58.2	54.8	55.1	0	100	34	4-MAY
Sisson	57	74	75	68	56.4	59.3	55.4	57.0	0	100	31	4-MAY
Croplan Genetics 554W	56	72		64	54.3	57.6		56.0	0	100	32	6-MAY
Agripro Foster	56	64	99	73	55.4	59.2	55.9	56.8	0	100	33	8-MAY
Dixie * 9512	55			55	53.0			53.0	0	100	35	4-MAY
Beck 110	55			55	57.2			57.2	0	100	36	7-MAY
Beck 102	54			54	53.0			53.0	0	100	34	6-MAY
SS 560	53			53	53.9			53.9	0	100	31	7-MAY
Dixie 900	52			52	53.9			53.9	0	100	36	6-MAY
Agripro Patton	51	71	76	66	53.4	59.5	56.6	56.5	0	100	33	4-MAY
KAS Allegiance	50			50	55.6			55.6	0	100	36	8-MAY
25R78	50			50	44.7			44.7	0	100	34	7-MAY
NK Coker 9663	49	62	91	68	52.9	60.1	54.1	55.7	0	100	33	6-MAY
SS 535 Gaucho	49	76		62	55.4	60.5		58.0	0	100	30	6-MAY
SS 535 Raxil	49	71	89	70	54.6	61.0	55.7	57.1	0	100	30	6-MAY
Hopewell	48	76		62	55.9	58.5		57.2	0	100	35	10-MAY
25R49	48	77		62	52.6	57.9		55.3	0	100	35	8-MAY
2552	47		98	72	52.6		58.9	55.8	0	100	34	8-MAY
VA97W-375ws	46			46	50.5			50.5	0	100	31	7-MAY
25R24	46			46	54.5			54.5	0	100	31	7-MAY
Exsegen Esther	45	72		59	48.1	58.9		53.5	0	100	35	6-MAY
SS 520	45	81	91	73	53.8	58.8	54.4	55.7	0	100	30	2-MAY
NK Coker 9184	45	66		55	54.6	61.1		57.9	0	100	32	8-MAY
Exsegen Sarah	45	76		60	57.0	57.7		57.4	0	100	37	2-MAY
SS 550	44	73	86	68	51.6	59.0	54.1	54.9	0	100	30	6-MAY
Madison	44	64	90	66	50.6	58.8	60.0	56.5	0	100	34	3-MAY
Tribute	43	73		58	51.4	59.5		55.5	0	100	30	7-MAY
SS EXP 564	42			42	50.4			50.4	0	100	32	9-MAY
Exsegen Abigail	42			42	51.7			51.7	0	100	26	3-MAY
NK Coker 9474	41	68	85	65	50.6	61.8	56.1	56.2	0	100	32	6-MAY
Croplan Genetics 514W	41			41	54.6			54.6	0	100	31	4-MAY
Century II	41			41	52.7			52.7	0	100	30	8-MAY
Roane	39	66	101	69	56.5	60.2	57.3	58.0	0	100	33	9-MAY
25W33	38	76	103	72	50.4	58.6	51.9	53.6	0	100	32	8-MAY
25W60	37	80		58	50.5	58.3		54.4	0	100	35	6-MAY
McCormick	36			36	53.3			53.3	0	100	31	8-MAY
Exsegen Rebekah	36	72		54	51.1	59.3		55.2	0	100	34	7-MAY
KAS Declaration	33				44.2				0	100	33	6-MAY
25R37	33	81		57	50.9	60.5		55.7	0	100	33	7-MAY
USG 3209	33	76	90	66	51.1	57.7	55.3	54.7	0	100	29	9-MAY
NK Coker 9025	32	67	93	64	52.5	56.8	53.1	54.1	0	100	34	10-MAY
25R44	30	72		51	53.8	58.7		56.3	0	100	34	9-MAY
Dixie * 9611	29			29	53.8			53.8	0	100	38	10-MAY
25R23	27			27	52.7			52.7	0	100	35	11-MAY
Trical 336	24			24	45.5			45.5	0	100	47	10-MAY
MEAN	44	72	90	57	52.6	59.1	55.6	54.6	0	100	33	

CV = 16

LSD (0.05) = 8.3

Location = Shelby County

2003 test was not harvested

TABLE 12. DISEASE RATINGS OF WHEAT VARIETIES IN 2003.

VARIETY	FUSARIUM HEAD BLIGHT (FHB)			DON (PPM)	LEAF BLOTCH CALLOWAY CO. 0 = BEST; 5 = WORST
	UNION CO.	LEXINGTON	PRINCETON		
Clark	2.6	15.8	22.5	3.9	4
Roane	0.4	13.2	16.9	5.4	3
Hopewell	0.5	13.7	25.0	5.1	4
Sisson	3.6	9.0	34.4	4.2	4
KAS Independence	1.4	10.2	14.4	3.3	3
Exsegen Esther	2.5	33.7	40.0	7.4	3
Exsegen Rebekah	1.0	12.2	28.8	3.0	3
Exsegen Sarah	0.2	7.7	16.7	5.6	3
Exsegen Abigail	3.6	13.7	30.2	2.9	*
SS 560 Gaucho	1.7	20.3	23.3	4.6	3
SS 560 Raxil	1.2	18.3	22.4	6.6	3
SS 535	3.0	15.1	45.0	6.8	3
SS 520	9.8	49.6	29.7	2.8	3
SS 550	1.1	12.0	21.8	4.8	4
Agripro Douglas	0.6	30.7	27.8	4.3	3
Agripro Benton	0.7	15.5	30.6	5.7	3
NK Coker 9663	1.5	27.6	14.4	3.9	3
NK Coker 9474	1.0	8.4	49.8	4.5	3
NK Coker 9184	1.5	24.1	11.8	6.4	3
NK Coker 9295	1.6	15.2	41.5	6.2	3
NK Coker B960457	2.2	22.1	38.7	3.5	4
CG 514W	6.3	46.8	47.5	6.2	2
CG 554W	1.6	24.6	42.4	4.9	3
Beck 102	1.4	18.7	8.7	0.7	3
Beck 6108	1.3	12.6	17.3	2.6	5
USG 3209	1.6	12.5	45.0	6.0	3
USG 3430	2.3	25.3	21.6	3.9	3
USG 3350	1.5	22.3	24.3	1.5	3
Vigoro Tribute	0.8	30.2	23.6	3.6	3
Vigoro V9212	0.9	13.7	12.1	3.7	3
Vigoro V9301	1.7	46.0	40.9	3.3	*
McCormick	0.4	26.1	39.3	2.4	3
VA97W-375ws	8.8	42.0	7.7	4.1	3
VA98W-706	3.4	30.9	42.0	4.8	4
VA98W-170WS	7.6	32.7	37.8	3.5	3
Coyote	0.4	22.6	43.3	2.8	3
25R78	2.6	25.4	37.4	4.8	3
25R23	0.2	17.1	17.9	4.5	3
25R37	0.3	12.7	33.3	3.6	3
25R49	0.5	8.3	10.4	5.5	3
25R47	1.3	13.0	36.3	6.0	2
26R58	1.1	32.1	34.0	3.8	4
KAS Jefferson	0.5	19.7	19.2	5.1	3
KAS Franklin	0.3	30.0	10.1	4.6	4
2552	0.4	13.1	23.0	5.4	3
SX 1407	0.7	26.3	17.5	7.3	5
SX 1411	2.7	44.4	28.3	7.0	5
SX 1404	0.2	19.0	28.7	5.6	4
SX 1402	8.7	24.5	37.1	6.0	*
Bascom	0.7	18.1	20.1	6.9	3
Weaver	0.8	18.0	22.2	1.9	3
NC98-26192	1.0	37.3	19.2	5.7	4
Trical 336	0.0	2.1	6.1	0.2	3
KAS Hamilton	1.2	13.5	33.8	4.0	3
KAS Allegiance	0.5	9.8	22.8	3.8	4
KAS Declaration	0.7	27.2	31.5	5.1	3
90C-292-16	1.1	9.8	38.3	5.6	3

Lexington and Princeton data were collected in an irrigated, inoculated nursery. The FHB index reflects both incidence and severity. Logan County data were based on natural infection.

Deoxynivalenol (vomitoxin) concentration, Lexington only.

* Variety not rated.

TABLE 13. CHARACTERISTICS OF BARLEY TESTED IN 2003.

NAME	SOURCE	RELEASE DATE	YIELD (BU/A)	TEST WT. (LB/BU)	HEIGHT (IN.)	LODGING (%)
VA97B-388	Virginia Tech	NA	85.1	43.4	39	49
VA00H-137	Virginia Tech	NA	73.9	47.1	38	51
Price	Virginia Tech	2002	97.0	40.5	37	37
Nomini	Virginia Tech	1994	87.3	39.8	41	48
Callao	Virginia Tech	1994	82.5	40.5	32	77
MEAN			85.2	42.3	37	52.4

TABLE 14. BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION,* 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003	HEADING DATE 2003
	2003	2002	2001	Mean	2003	2002	2001	MEAN				
Price	91.4	106	120	106	38.7	47.1	48.9	44.9	49	100	38	18-APR
Nomini	90.1	81	110	94	39.4	44.5	46.6	43.5	50	100	42	17-APR
VA97B-388	88.9	96	105	97	42.8	49.8	49.2	47.3	73	100	39	20-APR
Callao	80.8	93	69	81	40.9	45.8	47.8	44.8	54	100	31	19-APR
VA00H-137	65.2	-	-	65	46.2	-	-	46.2	51	100	39	22-APR
MEAN	83	94	101		41.6	46.8	48.1		55	100	37.8	19-APR

CV = 11.6

LSD (0.05) = 12.2

* Warren County

TABLE 15. BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION,* 2001-2003.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				LODGING (%) 2003	SURVIVAL (%) 2003	HEIGHT (IN.) 2003
	2003	2002	2001	MEAN	2003	2002	2001	MEAN			
Price	102.5	88	134	108	42.2	47.0	49.0	46.1	24	100	35
Nomini	84.5	22	103	70	40.1	41.0	47.5	42.9	46	100	39
Callao	84.2	73	85	81	40.1	49.0	49.1	46.1	99	100	33
VA00H-137	82.7			83	47.9			47.9	51	100	36
VA97B-388	81.4	106	131	106	43.9	48.0	49.2	47.0	24	100	38
MEAN	87	72	113		42.8	46.3	48.7		48.8	100	36.2

CV = 13.9

LSD (0.05) = 15.2

* Logan County

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Issued 8-2003, 6500 copies