AGRICULTURAL EXPERIMENT STATION
UNIVERSITY OF KENTUCKY • COLLEGE OF AGRICULTURE

2001 Kentucky Small Grain Variety Trials

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In 2001, Kentucky farmers harvested 21.1 million bushels of soft red winter wheat produced on 340,000 acres. The average yield of 62 bu/A was a record, 2 bushels higher than the previous record set in 1999.

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.

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.

Experimental Methods

Beginning in 1998, varieties were evaluated under both conventional and no-till cultural practices. No-till tests were grown at two 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 7 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.

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.

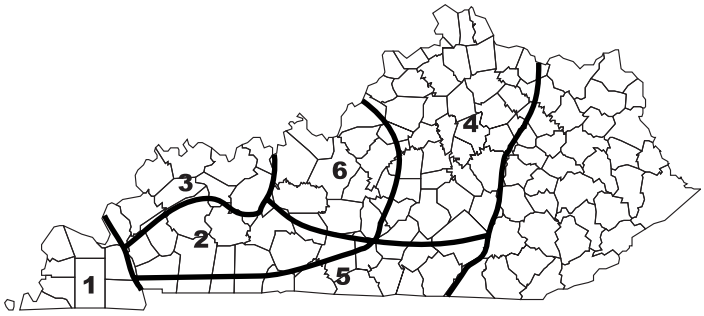

Figure 1. Agroclimatic regions of Kentucky small grain variety trials.

Region	2000 Location	Cooperator	Crop Tested
1. Purchase	Hickman	Joe & Henry Sanger	Wheat
2. Western Coal Field	Princeton	Research and Education Center	Barley, Wheat
3. Ohio Valley	Calhoun	Mark Howard	Wheat
4. Bluegrass	Lexington	Kentucky Agricultural Experiment Station	Barley, Wheat
5. Southern Tier	Bowling Green	Western Kentucky University Farm	Barley, Wheat
	Russellville	Don Halcomb	Barley, Wheat
6. North Central	Shelbyville	Mike Ellis	Wheat

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

Table 1. Wheat harvested acreage and yields in Kentucky, 1999-2001.*

	2001		2000		1999	
Crop	Yield Bu/A	Harvest 1000 A	Yield Bu/A	Harvest 1000 A	Yield Bu/A	Harvest 1000 A
Wheat	62	340	58	420	60	430

* July 11, 2001, Kentucky Crop and Livestock Reporting Service.

2001 Test Conditions

Favorable weather conditions during October allowed for timely seeding of the wheat and barley trials. November weather was dominated by much lower than normal temperatures and rainfall. December was the fourth coldest December in 106 years, and precipitation was above average. January temperatures were seasonal, but precipitation was below normal. February temperatures were above normal, but March was cold and dry. At the beginning of April, development of the wheat crop was behind normal, but warm weather in late April accelerated crop maturity. May temperatures were above normal, but cool temperatures during grain fill contributed to high yields .

Disease infestations overall were light. All locations were treated with insecticide and fungicide to control aphids and fungal diseases. Two extra replications at Lexington were not treated with fungicide so varieties could be rated for disease resistance. Powdery mildew was evaluated in these plots in 2001, and head scab ratings were taken in inoculated nurseries at Lexington and Princeton. Disease ratings are presented in Table 12.

Table 2. Region, location, preceding crop, and planting dates of Kentucky small grain trials, 1999-2001.

			Preceding		Planting Date		
Region	Location		Crop	Crop	2001	2000	1999
Purchase	Hickman	1999-2001	Corn	Wheat			
				Conventional	10/11	10/21	10/23
				No-till		10/20	
Ohio Valley	Henderson	1999	Corn	Wheat			10/16
	Calhoun	2000-2001	Corn	Wheat	10/16	10/22	
Bluegrass	Lexington	1999-2001	Corn	Barley	10/23	10/22	10/20
				Wheat	10/20	10/22	10/20
Southern Tier	Russellville	1999-2001	Corn	Barley	10/20	10/20	10/13
				Wheat	10/20	10/20	10/13
	Bowling Green	1999-2001	Corn	Barley	10/12	10/25	10/15
				Wheat	10/13	10/25	10/15
Western Coal Field	Princeton	1999-2000	Fallow	Barley	10/19	10/26	10/14
				Wheat			
		2001	Corn	*Conventional*	10/18	10/26	10/14
				No-till	10/19		10/9
North Central	Shelbyville	1999-2001	Corn	Wheat			
				Conventional	10/4	10/15	10/12
				No-till	10/4	10/14	10/12

Small Grain Varieties for 2001

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.

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Individual tables can also be viewed at the following Web site: <http://www.ca.uky.edu/ukrecc/welcome2.htm>.

Table 3. Characteristics of wheat varieties tested in 2001.

NAME	PROTECTED	SOURCE	RELEASE DATE	YIELD BU/A	TEST WT. LB/BU	HEIGHT IN.	HEADING DATE	LODGING %
VA97W-206	YES	Virginia Tech.	NA	97.1	58.2	31	May 2	7
25W33	YES	Pioneer Hi Bred Int'l	1999	96.5	57.9	31	May 2	10
Exsegen Sarah	YES	Exsegen	2000	95.5	58.6	37	May 4	3
25R44	YES	Pioneer Hi Bred Int'l	2000	94.5	60.1	32	May 1	5
25R49	YES	Pioneer Hi Bred Int'l	2000	92.8	58.7	31	April 30	1
KY90C-054-6	NA	University of Kentucky	NA	92.4	57.7	35	May 2	6
25R37	YES	Pioneer Hi Bred Int'l	2000	92.3	59.7	31	May 1	0
SS 555	YES	Southern States Co-op	1990	92.3	57.6	32	May 1	7
NK Coker 9025	YES	Syngenta Seeds, Inc.	2001	92.1	58.0	30	May 2	27
25W60	YES	Pioneer Hi Bred Int'l	1999	91.9	58.1	33	May 1	9
SS535 - Raxil	YES	Southern States Co-op	2000	91.7	59.8	30	May 1	5
KY90C-042-37-1	NA	University of Kentucky	NA	91.5	59.1	33	April 30	2
SS 550	YES	Southern States Co-op	2001	91.5	59.2	30	May 1	13
KY90C-292-4-1	NA	University of Kentucky	NA	91.3	58.6	31	May 1	4
Hopewell	YES	Ohio State University	1998	91.0	57.3	34	May 4	4
Agripro Patton	YES	Agripro Wheat	1998	90.9	58.5	34	April 30	14
KY90C-292-16.	NA	University of Kentucky	NA	90.7	58.7	31	April 30	5
SS 558	YES	Southern States Co-op	1997	90.7	59.1	37	May 2	0
KY91C-261-28	NA	University of Kentucky	NA	90.2	58.4	32	May 1	1
Sisson	YES	Virginia Tech.	2000	90.1	59.0	29	April 30	8
USG 3209	YES	Unisouth Genetics	1999	89.8	60.0	28	May 1	13
SS 520	YES	Southern States Co-op	2001	89.7	58.0	33	April 29	10
XW692	YES	Pioneer Hi Bred Int'l	NA	89.7	60.2	31	May 2	11
2568	YES	Pioneer Hi Bred Int'l	1995	89.6	58.4	31	April 30	2
SS535- Gaucho	YES	Southern States Co-op	2000	89.6	59.6	30	May 2	11
NK Coker 9663	YES	Syngenta Seeds, Inc.	1996	89.4	59.6	36	May 2	23
VA98W-593	YES	Virginia Tech.	NA	89.2	60.7	30	May 1	14
KY91C-117-32.	NA	University of Kentucky	NA	88.8	58.9	33	May 1	9
Croplan Genetics SR218	YES	Land O' Lakes	1999	88.0	59.1	36	May 2	7
KY91C-261-6-1	NA	University of Kentucky	NA	87.9	58.2	31	May 2	0
VA96W-270	YES	Virginia Tech.	NA	87.7	59.2	32	April 29	7
Stine 454	YES	Stine Seeds	2000	87.6	59.2	36	April 30	10
SS 566	YES	Southern States Co-op	1999	87.4	58.5	35	May 3	2
Roane	YES	Virginia Tech.	1998	87.3	60.2	31	May 1	7
Madison	YES	Virginia Tech.	1990	86.2	58.2	34	April 30	9
Agripro Foster	YES	Agripro Wheat	1996	85.6	58.8	32	May 2	3
SS 522	YES	Southern States Co-op	1998	85.4	60.0	31	April 30	21
Exsegen Rebekah	YES	Exsegen	2000	85.3	58.3	32	April 30	24
Beck 101	YES	Beck's Hybrids	1999	85.1	57.6	31	April 30	16
Exsegen Esther	YES	Exsegen	2000	84.6	57.5	31	April 30	18
KAS Independence	YES	Kentucky American Seed	1999	84.6	58.6	32	April 30	23
Beck 104	YES	Beck's Hybrids	2000	84.4	58.6	35	April 30	7
NK Coker BL940812	YES	Syngenta Seeds, Inc.	NA	83.3	61.1	30	May 2	3
Agripro Mitchell	YES	Agripro Wheat	2000	83.2	58.5	34	April 30	10
25R18	YES	Pioneer Hi Bred Int'l	1999	83.1	59.3	31	May 3	0
Croplan Genetics SR211	YES	Land O' Lakes	1999	82.5	58.6	33	May 1	17
Patterson	YES	Purdue University	1994	82.5	59.1	35	April 30	19
Croplan Genetics SR204	YES	Land O' Lakes	1999	82.0	60.2	34	May 2	9
Stine 422	YES	Stine Seeds	2000	80.8	57.6	33	April 30	15
Agripro Gibson	YES	Agripro Wheat	1999	80.1	59.1	32	April 29	5
KAS Revere	YES	Kentucky American Seed	1999	79.9	58.7	34	May 3	5
NK Coker BL940582	YES	Syngenta Seeds, Inc.	NA	77.0	58.4	34	April 30	6
NK Coker 9474	YES	Syngenta Seeds, Inc.	1998	75.8	60.1	32	May 1	3
Clark	YES	Purdue University	1988	73.8	58.0	35	April 28	5
MEAN				87.7	58.9	32.4		9
CV = 8.46								
LSD (0.05) = 4.3								

Table 3A. Average performance of wheat varieties tested in 2000-2001.

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	HEIGHT (IN)	LODGING (%)	SURVIVAL (%)	HEADING DATE 2001
25W33	94	56.0	35	6	100	02-May
25W60	92	57.3	37	10	100	30-Apr
SS 555	91	56.1	35	5	100	01-May
KY90C-054-6	91	56.2	38	11	100	02-May
SS 520	90	57.6	36	10	100	29-Apr
KY90C-292-4-1	90	57.8	35	7	100	01-May
SS535 - Raxil	90	58.9	33	9	100	01-May
SS 550	90	57.7	33	15	100	01-May
Agripro Patton	89	57.7	38	13	100	30-Apr
SS 558	88	58.3	40	1	100	02-May
USG 3209	88	58.1	32	13	100	01-May
VA96W-270	88	58.2	35	5	100	29-Apr
KY90C-292-16.	87	57.9	34	8	100	30-Apr
Sisson	87	57.9	32	11	100	30-Apr
Croplan Genetics SR218	86	58.3	38	5	100	02-May
2568	86	57.4	35	7	100	30-Apr
Madison	86	56.6	37	9	100	30-Apr
KAS Independence	86	57.2	35	16	100	30-Apr
Roane	85	59.5	34	15	100	01-May
Agripro Foster	85	57.6	36	2	100	02-May
Beck 101	85	57.0	35	14	100	30-Apr
Beck 104	84	57.2	38	7	100	30-Apr
NK Coker 9663	84	58.3	39	30	100	02-May
KY91C-117-32.	83	57.7	37	26	100	01-May
NK Coker 9025	82	55.5	34	31	100	02-May
SS 566	82	57.0	37	8	100	03-May
25R18	82	58.4	34	2	100	03-May
KAS Revere	82	57.3	37	3	100	03-May
Croplan Genetics SR211	81	57.2	36	24	100	01-May
Patterson	81	58.3	38	15	100	30-Apr
Agripro Gibson	80	58.4	34	5	100	29-Apr
SS 522	79	58.8	34	33	100	30-Apr
Clark	78	57.0	38	5	100	28-Apr
NK Coker 9474	75	59.2	35	4	100	01-May
MEAN	85	58	35	11	100	

Table 3B. Average performance of wheat varieties tested in 1999-2001.

VARIETY	YIELD (BU/A)	TEST WT. (LB/BU)	HEIGHT (IN)	LODGING (%)	SURVIVAL (%)	HEADING DATE 2001
USG 3209	89.1	58.2	31	8	100	01-May
Agripro Patton	88.1	57.5	37	9	100	30-Apr
SS535 - Raxil	87.9	58.9	32	7	100	01-May
2568	86.6	57.3	34	5	100	30-Apr
NK Coker 9663	86.3	58.7	38	25	100	02-May
Roane	85.9	59.9	33	10	100	01-May
SS 555	84.9	56.4	38	5	100	01-May
Madison	84.7	56.7	36	7	100	30-Apr
SS 566	84.7	57.9	36	5	100	03-May
SS 558	83.7	58.4	39	2	100	02-May
Agripro Foster	82.6	57.2	35	1	100	02-May
KAS Independence	81.9	57.3	34	12	100	30-Apr
KAS Revere	80.7	57.4	36	1	100	03-May
Patterson	79.1	58.1	37	11	100	30-Apr
SS 522	79.0	58.5	34	24	100	30-Apr
NK Coker 9474	75.0	59.8	34	2	100	01-May
Clark	74.7	56.8	37	4	100	28-Apr
MEAN	83.2	57.9	35.4	8.1	100.0	

Table 4. Wheat performance trials for Purchase Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	DATE
Exsegen Sarah	103			103	57.2			57.2	0			0	100	35	April 24
25R44	102			102	60.1			60.1	5			5	100	33	April 25
25R49	100			100	59.3			59.3	0			0	100	32	April 25
2568	99	87	71	86	61.0	60.9	56.7	59.5	0	0	0	0	100	33	April 26
25W33	97	85		91	60.2	60.0		60.1	0	0		0	100	32	April 26
VA97W-206	96			96	58.1			58.1	0			0	100	31	April 26
25W60	95	86		91	58.9	61.2		60.0	3	0		2	100	34	April 26
KY90C-054-6	95	101		98	57.2	59.4		58.3	0	0		0	100	35	April 25
SS 522	95	77	67	79	59.0	61.4	58.9	59.8	0	0	0	0	100	32	April 26
NK Coker 9025	94	70		82	57.8	60.1		59.0	0	5		3	100	31	April 25
Exsegen Esther	93			93	57.9			57.9	0	0	0	0	100	33	April 26
KY91C-261-6-1	93			93	61.0			61.0	0			0	100	33	April 25
NK Coker 9663	93	81	88	87	58.9	59.8	59.9	59.5	9	3	0	4	100	36	April 25
Sisson	93	89		91	59.1	60.6		59.9	4	0		2	100	30	April 24
Hopewell	92			92	61.1			61.1	0			0	100	34	April 25
SS 550	92	89		90	60.7	60.1		60.4	0	0		0	100	31	April 26
Stine 422	92			92	58.2			58.2	3			1	100	35	April 25
Stine 454	92			92	59.0			59.0	0			0	100	37	April 26
USG 3209	92	95	89	92	59.6	60.3	58.1	59.3	0	0	0	0	100	29	April 26
Agripro Patton	91	81	69	81	58.1	59.1	56.6	57.9	0	0	0	0	100	35	April 25
Beck 104	91	81		86	58.6	59.5		59.1	5	0		3	100	38	April 25
KY91C-261-28	91			91	62.8			62.8	0			0	100	33	April 25
Madison	91	87	79	86	58.2	59.6	55.8	57.9	3	0	0	1	100	34	April 25
SS 520	91	93		92	57.5	58.1		57.8	0	0		0	100	33	April 25
KY90C-042-37-1	90			90	58.6			58.6	0			0	100	35	April 24
SS535- Gaucho	90			90	59.1			59.1	0			0	100	31	April 25
XW692	90			90	59.3			59.3	0			0	100	32	April 25
KY91C-117-32.	89	89		89	61.8	60.1		61.0	0	0		0	100	33	April 24
Patterson	89	74	57	73	58.6	59.7	56.0	58.1	15	0	0	5	100	36	April 25
SS 558	89	78	65	77	59.1	59.6	57.5	58.7	0	0	0	0	100	36	April 25
SS 566	89	78	65	77	57.6	59.7	56.5	57.9	0	0	0	0	100	35	April 25
VA96W-270	89	83		86	59.3	60.5		59.9	0	0		0	100	34	April 24
25R37	88			88	59.8			59.8	0			0	100	32	April 25
Agripro Foster	88	90	61	80	61.4	59.6	57.6	59.5	0	0	0	0	100	33	April 25
KY90C-292-16.	88	86		87	58.5	61.7		60.1	0	0		0	100	32	April 25
SS 555	88	84	66	79	56.5	58.3	57.7	57.5	0	0	0	0	100	33	April 25
VA98W-593	88			88	61.0			61.0	0			0	100	30	April 26
Croplan Genetics SR218	87	81		84	59.1	60.1		59.6	0	0		0	100	35	April 26
KY90C-292-4-1	87	83		85	59.0	61.3		60.2	0	0		0	100	32	April 25
SS535 - Raxil	87	82	81	83	60.0	60.9	58.7	59.9	0	0	0	0	100	30	April 25
KAS Revere	86	64	69	73	60.0	59.8	58.2	59.3	0	0	0	0	100	35	April 25
Agripro Mitchell	85			85	57.2			57.2	3			3	100	36	April 26
Croplan Genetics SR211	85	84		85	58.7	60.7		59.7	9	0		5	100	34	April 25
Beck 101	84	82		83	58.0	58.1		58.1	0	0		0	100	31	April 26
Roane	84	75	76	78	59.9	63.1	61.3	61.4	0	0	0	0	100	31	April 25
Croplan Genetics SR204	83			83	59.8			59.8	0			0	100	35	April 26
Agripro Gibson	82	69		75	58.5	59.9		59.2	0	0		0	100	33	April 24
KAS Independence	82	70	62	71	58.6	58.2	57.4	58.1	0	0	0	0	100	32	April 25
NK Coker BL940582	82			82	57.9			57.9	0			0	100	36	April 25
25R18	81	77		79	60.7	60.3		60.5	0	0		0	100	32	April 26
Clark	81	76	62	73	57.2	59.1	55.7	57.3	0	0	0	0	100	35	April 24
Exsegen Rebekah	81			81	58.3			58.3	0			0	100	33	April 25
NK Coker 9474	78	67	59	68	60.5	60.6	59.1	60.1	0	0	0	0	100	34	April 25
NK Coker BL940812	72			72	60.8			60.8	0			0	100	31	April 26
MEAN	89	81	69	80	59.2	60.0	57.7	59.3	1.1	0.2	0.0	0.6	100	33	

CV = 6.4
LSD (0.05) = 6.7
* LOCATION: Fulton Co.

Table 5. Wheat performance trials for Ohio Valley Region*, 1998-2000**.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT	HEADING
VARIETY	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	2000	DATE
SS 520	103			103	55.7			55.7	4			1	100	39	April 29
KASKASKIA	102	85		93	57.1	61.1		59.1	0	1		1	100	43	May 5
SS 555	101	85	47	78	54.9	56.6	43.2	51.6	0	0	4	1	100	39	May 3
2552	100	92	64	85	57.5	57.6	55.5	56.9	0	0	5	2	100	41	May 3
BECK 101	100			100	54.9			54.9	9			3	100	40	April 30
SS 522	99	94	45	79	57.6	59.8	48.4	55.3	14	10	25	16	100	40	April 30
25W60	98			98	53.3			53.3	13			13	100	41	May 1
AGRIPRO ELKHART	98	92	61	84	58.2	59.4	54.6	57.4	0	0	8	3	100	45	May 1
AGRIPRO PATTON	98	95	59	84	54.9	57.3	48.3	53.5	3	0	6	3	100	43	May 2
KAS INDEPENDENCE	98	76		87	56.1	57.0		56.6	3	0		2	100	38	May 3
VA96W-250	98			98	56.7			56.7	18			18	100	36	April 30
AGRIPRO FOSTER	97	69	46	71	56.1	52.9	47.9	52.3	1	0	3	1	100	41	May 3
AGRIPRO MASON	97	88	56	80	55.6	55.6	49.7	53.6	1	0	0	0	100	40	April 29
SS 558	97	74	50	74	57.9	57.0	52.9	55.9	0	0	0	0	100	42	May 4
VA96W-270	97			97	56.1			56.1	4			1	100	39	April 30
2568	96	90	49	78	53.8	55.7	48.0	52.5	0	0	9	3	100	39	April 30
25R18	96			96	55.5			55.5	0			0	100	38	May 5
CLARK	96	77	52	75	53.3	54.9	50.2	52.8	10	4	15	10	100	42	May 1
STINE 455	96	95		95	53.3	56.0		54.7	3	0		1	100	43	May 3
ROANE	95	98	47	80	58.1	61.0	50.8	56.6	9	4	20	11	100	39	May 3
USG 3209	95	92	38	75	55.1	58.1	44.4	52.5	3	0	21	8	100	37	April 30
SS 550	95			95	55.8			55.8	21			21	100	37	May 2
26R24	94			94	56.9			56.9	8			8	100	41	May 1
CROPLAN GENETICS SR211	94			94	55.0			55.0	4			4	100	41	May 3
KY90C-048-59.	94			94	54.7			54.7	4			4	100	42	May 3
PATTERSON	94	75	60	76	55.4	57.5	52.3	55.1	4	8	3	5	100	42	May 2
25W33	93			93	51.7			51.7	0			0	100	38	May 5
BECK 104	93			93	53.6			53.6	1			1	100	42	May 2
NK COKER 9663	93	100	59	84	56.3	59.9	54.2	56.8	10	29	23	20	100	44	May 1
KY91C-117-32.	93			93	53.2			53.2	16			16	100	39	May 3
MADISON	92	90	50	77	54.0	54.1	50.9	53.0	8	0	15	8	100	40	April 30
USG 3709	92			92	54.7			54.7	21			21	100	42	May 2
KAS PATRIOT	91	83	55	76	54.8	54.8	50.2	53.3	14	6	8	9	100	39	May 3
KY90C-054-6.	91			91	52.4			52.4	23			23	100	42	May 4
KY90C-292-4-1	91			91	54.3			54.3	15			15	100	41	May 1
SS 535	91	86		88	57.2	59.3		58.3	3	25		14	100	38	May 1
SS 566	90	92		91	56.1	58.8		57.5	4	0		2	100	39	May 4
AGRIPRO GIBSON	89			89	55.9			55.9	3			3	100	39	May 1
BECK EX 6812	89			89	54.0			54.0	23			23	100	43	May 2
NK COKER BL930390	88			88	53.2			53.2	13			13	100	38	May 4
CROPLAN GENETICS SR218	88			88	56.9			56.9	0			0	100	43	May 6
AR 494B-2-2	87			87	55.5			55.5	13			13	100	42	May 2
KAS REVERE	87	80		83	54.6	55.9		55.3	0	0		0	100	40	May 7
STINE 422X	86			86	53.4			53.4	16			16	100	41	May 1
25R26	85	87	56	76	51.4	57.1	47.3	51.9	3	0	5	3	100	38	May 4
GOLDFIELD	84			84	56.3			56.3	0			0	100	46	May 6
NK COKER 9474	83	85	55	74	56.1	60.5	55.2	57.3	0	0	1	0	100	40	May 1
KY90C-292-16.	83			83	52.3			52.3	23			8	100	39	May 2
MEAN	93	87	53	77	55.2	57.4	50.1	54.2	7	4	10	7	100	40	

CV = 9.1
LSD (.05) = 9.9
* LOCATION: McLEAN CO. KY
**2001 TEST WAS NOT HARVESTED DUE TO POOR EMERGENCE

Table 6. Wheat performance trials for Bluegrass Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED						
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	SURVIVAL 2001	HEIGHT 2001	HEADING DATE 2001
KY90C-292-4-1	94	103		98	59.9	56.6		58.3	0	10			100	25	May 5
SS 558	93	92	68	84	60.6	58.3	60.2	59.7	0	0	0	0	100	30	May 7
NK Coker 9025	92	87		89	59.6	55.3		57.5	0	31			100	26	May 7
SS535 - Raxil	91	108	74	91	60.6	58.2	61.6	60.1	0	15	0	5	100	25	May 7
VA97W-206	89			89	59.8			59.8	0			0	100	26	May 6
25R37	88			88	60.3			60.3	0			0	100	26	May 6
Exsegen Rebekah	88			88	59.1			59.1	0			0	100	25	May 5
Madison	88	98	74	86	59.0	54.8	59.7	57.8	0	3	0	1	100	30	May 6
Hopewell	87			87	60.0			60.0	0	0	0	0	100	29	May 10
NK Coker 9663	87	83	79	83	61.0	57.7	61.1	59.9	0	53	0	18	100	30	May 8
Roane	87	92	75	84	60.9	58.0	62.2	60.4	0	24	0	8	100	24	May 5
25W33	86	108		97	58.6	54.5		56.6	0	0		0	100	26	May 8
Beck 101	86	94		90	59.1	56.6		57.9	0	8		4	100	27	May 5
VA96W-270	86	105		95	60.0	57.7		58.9	0	0		0	100	28	May 4
KY91C-261-28	85			85	59.2			59.2	0			0	100	26	May 6
Exsegen Sarah	84			84	61.4			61.4	0			0	100	32	May 12
Stine 454	84			84	60.2			60.2	0			0	100	29	May 4
Sisson	83	103		93	60.3	57.2		58.8	0	14		7	100	24	May 4
SS 550	83	102		92	60.4	56.3		58.4	0	20		10	100	25	May 7
SS 566	83	93	63	80	60.4	58.0	59.2	59.2	0	1	0	0	100	29	May 9
25W60	82	107		94.5	59.1	56.2		57.7	3	0		2	100	25	May 4
USG 3209	82	104	85	90	60.2	55.6	61.3	59.0	0	15	0	5	100	23	May 6
2568	81	91	85	86	56.6	55.6	61.0	57.7	0	5	0	2	100	24	May 3
Croplan Genetics SR218	81	91		86	60.5	57.0		58.8	0	0		0	100	29	May 9
KY91C-117-32.	81	94		87	59.9	56.2		58.1	0	0		0	100	29	May 4
KY91C-261-6-1	81			81	59.4			59.4	0			0	100	26	May 8
SS 555	81	99	70	83	59.3	55.6	60.5	58.5	0	0	0	0	100	27	May 6
Stine 422	81			81	58.1			58.1	0			0	100	28	May 5
Croplan Genetics SR204	80			80	61.5			61.5	0			0	100	29	May 7
KY90C-042-37-1	79			79	59.4			59.4	0			0	100	26	May 4
KY90C-292-16.	79	101		90	59.6	57.6		58.6	0	10		5	100	25	May 5
NK Coker BL940812	79			79	60.8			60.8	0			0	100	25	May 8
SS535- Gaucho	79			79	60.6			60.6	0			0	100	24	May 8
Beck 104	78	88		83	60.3	56.4		58.4	0	0		0	100	29	May 4
KY90C-054-6	78	105		91	59.7	55.7		57.7	0	0		0	100	27	May 8
Agripro Patton	77	89	80	82	59.4	57.6	59.6	58.9	0	0	0	0	100	27	May 4
Patterson	77	94	73	81	59.8	56.9	60.6	59.1	0	0	0	0	100	29	May 6
SS 520	77	101		89	58.1	55.6		56.9	0	30		15	100	28	May 3
25R18	76	85		81	60.7	57.1		58.9	0	0		0	100	26	May 9
SS 522	76	75	74	75	61.2	57.8	60.4	59.8	0	55	0	18	100	25	May 4
XW692	76			76	61.9			61.9	0			0	100	25	May 9
25R44	75			75	60.5			60.5	0			0	100	25	May 6
KAS Independence	75	102	69	82	59.5	54.5	59.7	57.9	0	0	0	0	100	26	May 4
25R49	74			74	58.1			58.1	0			0	100	25	May 4
VA98W-593	74			74	61.5			61.5	0			0	100	24	May 4
Croplan Genetics SR211	73	84		78	59.9	54.2		57.1	0	50		25	100	28	May 5
Exsegen Esther	73			73	58.3			58.3	0			0	100	24	May 4
Agripro Foster	72	92	73	79	59.9	57.3	59.1	58.8	0	0	0	0	100	25	May 8
Clark	71	88	62	74	59.2	55.5	58.8	57.8	0	3	0	1	100	30	May 4
NK Coker BL940582	71			71	58.2			58.2	0			0	100	28	May 3
Agripro Mitchell	69			69	60.5			60.5	0			0	100	26	May 5
KAS Revere	67	87	62	72	60.6	55.8	60.0	58.8	0	0	0	0	100	29	May 9
Agripro Gibson	66	85		75	60.1	58.5		59.3	0	24		12	100	23	May 4
NK Coker 9474	59	78	74	70	60.6	59.2	63.0	60.9	0	0	0	0	100	24	May 5
MEAN	80	94	73	82	59.9	56.7	60.5	59	0	11	0	3	100	26	

CV = 11.2
LSD (0.05) = 10.3
*LOCATION: SPINDLETOP FARM, LEXINGTON KY.

Table 7. Wheat performance trials for Western Coal Field Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	DATE
25R37	106			106	57.7			57.7	0			0	100	33	April 30
25R44	106			106	57.7			57.7	0			0	100	33	May 1
Agripro Foster	104	57	84	82	57.3	53.1	56.1	55.5	0	0	0	0	100	34	May 2
Exsegen Sarah	103			103	55.9			55.9	6			6	100	39	May 5
25W33	101	66		84	55.6	50.8		53.2	5	3		4	100	32	May 2
SS 558	101	59	87	82	58.1	53.2	57.9	56.4	0	10	0	3	100	37	April 30
25R18	99	77		88	58.2	56.8		57.5	0	0		0	100	32	May 3
Agripro Patton	99	77	89	88	57.6	52.7	53.9	54.7	5	8	0	4	100	35	April 30
SS535- Gaucho	98			98	58.7			58.7	3			3	100	30	May 1
SS 550	98	60		79	58.2	52.7		55.4	0	11		4	100	31	April 30
25W60	97	65		81	57.3	53.1		55.2	0	31		16	100	35	April 30
KY90C-042-37-1	97			97	58.8			58.8	0			0	100	37	April 29
KY90C-054-6	97	58		77	56.7	53.4		55.1	8	30		19	100	37	May 1
KY90C-292-16.	97	64		80	57.5	56.5		57.0	0	3		1	100	33	April 29
XW692	96			96	58.4			58.4	18			6	100	33	May 1
KY91C-261-6-1	95			95	56.7			56.7	0			0	100	32	May 2
VA97W-206	95			95	57.4			57.4	4			1	100	31	May 1
Hopewell	94			94	54.2			54.2	0			0	100	36	May 4
NK Coker BL940812	94			94	59.2			59.2	0			0	100	31	May 1
KY91C-117-32.	93	60		76	57.6	49.7		53.7	15	14		15	100	34	May 1
KY90C-292-4-1	92	71		81	55.7	56.6		56.2	0	0		0	100	34	April 29
NK Coker 9025	92	48		70	56.1	49.5		52.8	34	56		45	100	32	May 3
Sisson	92	57		74	58.7	53.8		56.3	0	19		10	100	29	April 30
SS 555	92	69	87	83	56.2	50.4	55.4	54.0	0	1	0	0	100	31	May 2
VA98W-593	92			92	59.1			59.1	15			15	100	32	May 1
KY91C-261-28	91			91	56.4			56.4	0			0	100	33	May 1
USG 3209	91	55	91	79	57.3	52.0	56.3	55.2	19	20	0	13	100	28	May 1
SS 566	90	40	83	71	56.9	49.9	56.3	54.4	1	20	0	7	100	35	May 2
SS535 - Raxil	90	59	81	77	59.0	55.9	56.7	57.2	1	23	9	11	100	31	April 30
25R49	89			89	56.9			56.9	0			0	100	33	April 29
Agripro Mitchell	89			89	57.9			57.9	0			0	100	33	April 30
Exsegen Rebekah	89			89	56.9			56.9	5			2	100	32	April 29
Patterson	89	65	78	77	57.9	57.6	56.2	57.2	6	0	0	2	100	35	April 29
Roane	89	63	95	82	58.4	57.6	59.5	58.5	3	13		8	100	31	April 30
VA96W-270	89	74		81	58.1	53.1		55.6	0	5		3	100	33	April 29
Agripro Gibson	88	65		76	58.5	54.2		56.4	0	8		4	100	33	April 29
Croplan Genetics SR211	88	58		73	56.9	54.6		55.8	8	10		9	100	34	April 30
Exsegen Esther	88			88	56.3			56.3	0			0	100	33	April 28
Beck 101	87	56		72	56.6	52.8		54.7	0	19		10	100	33	April 29
Beck 104	87	60		73	56.8	51.6		54.2	0	0		0	100	36	May 1
KAS Revere	87	72	86	82	57.1	52.7	57.1	55.6	0	0	0	0	100	36	May 5
NK Coker 9663	87	57	104	83	58.2	52.8	58.5	56.5	30	51	6	29	100	38	April 30
Stine 454	86			86	58.2			58.2	3			1	100	38	April 29
SS 520	86	71		78	57.9	56.6		57.3	0	13		7	100	34	April 28
Croplan Genetics SR218	85	58		71	57.9	54.7		56.3	9	0		5	100	37	May 2
NK Coker 9474	85	60	82	75	59.6	58.1	60.3	59.3	0	0	0	0	100	34	April 29
Croplan Genetics SR204	83			83	58.4			58.4	3			3	100	33	May 1
KAS Independence	82	70	76	76	57.1	57.5	58.0	57.5	0	0	0	0	100	31	April 30
Stine 422	82			82	56.9			56.9	0			0	100	35	April 30
2568	79	50	89	73	57.0	53.0	55.3	55.1	0	11	6	6	100	33	April 30
Madison	79	61	90	77	57.9	53.0	55.5	55.5	3	13	3	6	100	34	April 29
SS 522	78	51	85	71	55.9	53.9	58.4	56.1	21	44		33	100	33	April 29
Clark	75	70	68	71	56.5	55.8	54.5	55.6	0	0	0	0	100	36	April 29
NK Coker BL940582	65			65	57.4			57.4	0	0	0	0	100	37	April 30
MEAN	90	61	86	79	57.4	53.9	56.7	56	4	12	2	6	100	33	

CV = 6.7
LSD (0.05) = 7.1
*LOCATION: PRINCETON KY.

Table 8A. Wheat performance trials for Southern Tier Region*, 1999-2001.

VARIETY	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING DATE
	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
25R49	105			105	58.3			58.3	4			4	100	34	April 28
25R44	101			101	60.3			60.3	1			1	100	36	April 30
Croplan Genetics SR218	101	72		86	57.6	56.4		57.0	28	1		15	100	41	May 2
VA97W-206	101			101	57.7			57.7	28			28	100	36	April 30
2568	100	70	110	93	58.0	57.1	59.7	58.4	14	25	0	13	100	34	April 30
SS 555	100	70	88	86	57.1	49.3	58.5	55.0	40	9	0	16	100	38	April 30
KY90C-292-16.	99	80		89	58.7	58.5		58.6	29	28		28	100	37	April 29
KY90C-292-4-1	99	77		88	58.6	56.8		57.7	25	33		29	100	36	April 29
25W60	98	78		88	59.1	58.8		59.0	31	30		31	100	38	April 29
Exsegen Sarah	98			98	60.1			60.1	9			9	100	42	May 5
25W33	97	79		88	56.8	55.0		55.9	53	0		27	100	37	April 30
SS535 - Raxil	97	70	94	87	59.8	57.0	61.5	59.4	30	4	13	15	100	32	April 30
USG 3209	97	64	94	85	59.7	53.5	60.0	57.7	51	35	30	39	100	33	April 29
Agripro Foster	96	75	102	91	58.8	56.0	59.3	58.0	20	0	0	7	100	37	April 30
Hopewell	96			96	53.2			53.2	21			21	100	37	May 4
KY90C-054-6	96	79		87	57.5	53.1		55.3	28	14		21	100	40	May 1
KY91C-261-28	96			96	58.1			58.1	5			5	100	36	April 30
Madison	96	71	94	87	59.3	52.8	59.4	57.2	29	21	15	22	100	38	April 27
KY90C-042-37-1	94			94	58.9			58.9	6			6	100	37	April 29
SS 558	94	79	98	90	59.9	56.4	60.7	59.0	0	3	0	1	100	42	May 1
Stine 454	94			94	59.1			59.1	44			44	100	40	April 28
VA98W-593	94			94	61.4			61.4	29			29	100	33	April 29
SS 520	93	74		83	57.4	59.8		58.6	38	5		22	100	37	April 28
SS 566	93	56	85	78	58.7	52.6	60.0	57.1	10	65	0	25	100	38	May 2
Agripro Patton	92	80	91	88	59.2	56.8	60.1	58.7	44	36	3	28	100	39	April 28
NK Coker 9025	92	55		73	56.1	43.7		49.9	90	66		78	100	36	April 28
NK Coker 9663	92	60	94	82	59.8	58.1	60.1	59.3	51	51	38	47	100	40	May 1
Croplan Genetics SR211	91	65		78	58.5	55.0		56.8	40	55		48	100	37	April 28
KAS Revere	91	74	93	86	59.6	56.4	60.1	58.7	21	0	0	7	100	36	May 2
Sisson	91	68		79	59.5	58.9		59.2	36	1		19	100	33	April 27
XW692	91			91	60.2			60.2	28			28	100	35	May 2
Agripro Mitchell	90			90	59.4			59.4	53			18	100	38	April 29
NK Coker BL940812	90			90	61.5			61.5	18			6	100	35	April 30
SS 550	90	74		82	58.2	57.4		57.8	70	9		40	100	34	April 29
KAS Independence	89	70	93	84	58.8	52.2	59.6	56.9	60	31	0	30	100	36	April 28
KY91C-117-32.	89	84		86	57.5	52.8		55.2	28	8		18	100	37	April 30
KY91C-261-6-1	89			89	58.1			58.1	3			1	100	37	May 1
Agripro Gibson	88	70		79	58.7	58.5		58.6	28	1		15	100	38	April 27
Roane	88	71	94	84	62.0	58.1	61.6	60.6	20	35	0	18	100	34	April 29
SS 522	88	55	92	78	60.0	53.7	60.1	57.9	76	63	43	60	100	33	April 28
VA96W-270	88	63		75	60.4	57.3		58.9	41	3		22	100	36	April 28
Beck 104	87	71		79	58.9	54.7		56.8	28	24		26	100	40	April 29
25R37	86			86	59.8			59.8	0			0	100	36	April 30
Exsegen Rebekah	85			85	57.3			57.3	70			70	100	36	April 28
SS535- Gaucho	85			85	60.3			60.3	55			55	100	35	April 30
Exsegen Esther	84			84	56.8			56.8	25			25	100	36	April 30
Stine 422	84			84	58.4			58.4	21			21	100	37	April 29
25R18	83	65		74	57.9	57.1		57.5	0	0		0	100	35	May 1
Beck 101	82	71		77	56.2	56.5		56.4	51	0		25	100	36	April 28
NK Coker 9474	82	66	83	77	60.4	56.9	60.9	59.4	20	0	0	7	100	36	April 30
NK Coker BL940582	80			80	57.3			57.3	28	0		14	100	37	April 30
Croplan Genetics SR204	78			78	60.5			60.5	20			20	100	39	May 1
Clark	76	74	85	78	58.8	56.2	60.2	58.4	20	0	0	7	100	38	April 25
Patterson	76	65	94	78	59.1	55.0	60.4	58.2	78	33	0	37	100	39	April 27
MEAN	91	72	93	85	58.8	55.8	60	57.9	30	11	2	15	100	36	

CV = 8.9
LSD (0.05) = 9.5
*LOCATION: LOGAN CO. KY.

Table 8B. Wheat performance trials for Southern Tier Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL (%)	HEIGHT (IN.)	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
VA97W-206	111			111	58.4			58.4	9			9	100	33	April 30
SS 555	109	107	67	94	58.1	57.6	52.5	56.1	0	3	0	1	100	35	April 29
KY90C-042-37-1	107			107	60.3			60.3	6			6	100	38	April 28
VA98W-593	103			103	61.5			61.5	30			30	100	32	April 28
KY90C-292-16.	102	87		94	59.3	58.1		58.7	0	6		3	100	33	April 28
SS 550	102	103		102	58.6	53.7		56.2	8	49		29	100	32	April 30
25W33	101	91		96	58.1	54.1		56.1	0	5		3	100	33	April 30
SS 520	101	101		101	59.5	58.3		58.9	20	19		20	100	36	April 28
KY91C-117-32.	99	95		97	58.9	55.2		57.1	0	51		26	100	35	April 29
SS535- Gaucho	99			99	58.5			58.5	6			6	100	31	May 1
25R49	98			98	60.8			60.8	0			0	100	33	April 29
KAS Independence	98	87	70	85	58.0	57.4	53.9	56.4	75	24	0	50	100	34	April 28
SS535 - Raxil	97	97	75	89	58.6	59.1	55.5	57.7	0	15	0	5	100	31	April 30
Beck 101	95	90		93	59.1	58.8		59.0	33	33		33	100	33	April 29
SS 522	95	77	74	82	60.1	59.7	56.5	58.8	18	60	0	40	100	32	April 28
Agripro Patton	94	94	79	89	58.1	59.1	54.2	57.1	33	18	0	17	100	37	April 28
Exsegen Esther	94			94	58.0			58.0	74			74	100	33	April 28
KY90C-054-6	94	90		92	57.0	53.9		55.5	0	34		17	100	36	May 1
NK Coker 9025	94	77		85	59.6	56.4		58.0	1	21		11	100	32	May 1
Croplan Genetics SR218	93	99		96	60.8	58.9		59.9	0	9		5	100	36	May 1
KY90C-292-4-1	93	95		94	60.3	57.4		58.9	0	15		8	100	34	April 29
Exsegen Sarah	92			92	58.0			58.0	0			0	100	39	May 2
Agripro Mitchell	91			91	56.8			56.8	0			0	100	36	April 29
Sisson	91	94		93	58.8	54.8		56.8	8	25		17	100	30	April 28
VA96W-270	91	103		97	58.9	59.0		59.0	0	0		0	100	33	April 28
2568	90	88	79	86	60.6	59.6	54.8	58.3	0	11	0	4	100	34	April 28
25R37	90			90	60.1			60.1	0			0	100	34	April 30
Stine 454	90			90	59.4			59.4	1			1	100	37	April 28
USG 3209	90	99	91	93	65.1	60.3	58.0	61.1	5	10	0	5	100	29	April 30
XW692	90			90	61.0			61.0	23			23	100	32	April 30
Madison	89	94	82	88	58.6	56.8	56.8	57.4	0	0	0	0	100	35	April 28
NK Coker 9663	89	100	80	90	59.3	60.1	57.4	58.9	3	26	0	10	100	37	May 1
SS 558	89	104	76	90	58.0	58.1	56.7	57.6	0	0	0	0	100	37	April 30
25R44	88			88	61.5			61.5	0			0	100	33	April 30
Agripro Foster	88	94	73	85	57.6	56.1	53.2	55.6	0	6	0	2	100	33	April 30
Croplan Genetics SR204	88			88	61.2			61.2	0			0	100	35	April 30
KY91C-261-28	87			87	56.5			56.5	0			0	100	34	April 30
Patterson	87	92	72	83	59.2	60.2	56.0	58.5	13	33	0	15	100	36	April 29
25W60	86	100		93	57.7	57.7		57.7	0	0		0	100	34	April 29
Beck 104	86	97		91	59.0	57.7		58.4	0	6		3	100	37	April 29
Exsegen Rebekah	85			85	59.0			59.0	68			68	100	35	April 28
KY91C-261-6-1	85			85	56.0			56.0	0			0	100	32	April 30
NK Coker BL940582	85			85	61.2			61.2	1			1	100	34	April 29
Roane	85	94	80	86	59.4	59.5	59.1	59.3	0	40	0	13	100	31	April 29
25R18	84	82		83	59.4	58.2		58.8	0	0		0	100	32	May 1
Hopewell	84			84	57.8			57.8	0			0	100	34	May 1
SS 566	84	89	79	84	58.3	56.0	56.2	56.8	0	8	0	3	100	35	May 1
Croplan Genetics SR211	81	89		85	58.3	56.1		57.2	0	41		21	100	32	April 30
Agripro Gibson	80	90		85	60.1	59.4		59.8	5	0		3	100	34	April 28
NK Coker BL940812	80			80	62.9			62.9	0			0	100	31	May 1
Clark	79	92	60	77	58.7	58.7	56.4	57.9	8	20	0	9	100	36	April 28
NK Coker 9474	76	85	64	75	59.1	59.5	57.2	58.6	0	8	0	3	100	33	April 30
Stine 422	75			75	57.0			57.0	21			21	100	32	April 29
KAS Revere	68	102	70	80	56.1	54.8	56.0	55.6	0	0	0	0	100	35	May 2
MEAN	90	93	75	86	59.1	57.7	56	57.6	9	18	0	11	100	34	

CV = 8.9
LSD (0.05) = 9.4
*LOCATION: WARREN CO. KY.

Table 9. Wheat performance trials for North Central Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
25R37	96			96	60.2			60.2	0			0	100	29	May 5
25R44	96			96	59.8			59.8	25			25	100	30	May 4
25W33	96	117		107	58.0	52.6		55.3	0	1		1	100	28	May 6
KY90C-054-6	96	101		99	58.3	54.9		56.6	0	6		3	100	33	May 9
XW692	96			96	60.4			60.4	1			1	100	30	May 7
Exsegen Sarah	94			94	58.4			58.4	0			0	100	38	May 9
Hopewell	94			94	57.2			57.2	5			5	100	34	May 7
25W60	93	111		102	56.5	54.7		55.5	45	0		23	100	31	May 5
Agripro Patton	93	88	95	92	58.4	57.5	61.3	59.1	0	20	10	10	100	34	May 4
KY91C-261-28	92			92	57.5			57.5	0			0	100	30	May 7
VA97W-206	92			92	57.9			57.9	0			0	100	30	May 7
25R49	91			91	58.7			58.7	0	0	0	0	100	28	May 4
Roane	91	96	82	90	60.3	57.4	61.5	59.7	20	33	0	18	100	34	May 8
Sisson	90	83		87	57.5	55.2		56.4	0	18		9	100	27	May 7
SS 520	90	96		93	57.4	55.9		56.7	0	3		2	100	31	May 2
2568	89	89	91	89	56.8	54.0	61.8	57.5	0	23	0	8	100	30	May 6
NK Coker 9025	89	83		86	58.5	52.9		55.7	39	46		43	100	27	May 6
NK Coker 9663	89	74	83	82	60.1	54.2	62.2	58.8	48	68	4	40	100	33	May 8
SS535 - Raxil	89	107	87	94	60.5	58.0	62.1	60.2	0	23	0	8	100	30	May 6
USG 3209	88	93	91	91	58.0	56.8	59.9	58.2	3	0	0	1	100	28	May 7
SS 566	87	94	75	85	59.1	55.4	59.7	58.1	0	0	0	0	100	37	May 8
SS535- Gaucho	87			87	60.1			60.1	5			5	100	30	May 6
Exsegen Rebekah	86			86	59.3			59.3	3			3	100	30	May 4
KY91C-261-6-1	86			86	58.2			58.2	0			0	100	29	May 7
SS 550	86	93		89	58.9	56.4		57.7	0	6		3	100	27	May 6
NK Coker BL940812	85			85	61.5			61.5	0			0	100	29	May 8
VA96W-270	85	91		88	58.4	56.8		57.6	0	0		0	100	30	May 4
KY90C-042-37-1	84			84	58.5			58.5	0			0	100	29	May 5
SS 555	84	99	81	88	58.6	55.2	58.8	57.5	0	0	0	0	100	31	May 6
VA98W-593	84			84	59.5			59.5	13			13	100	27	May 5
KY90C-292-4-1	83	102		92	58.2	56.2		57.2	0	0		0	100	26	May 7
Croplan Genetics SR218	82	97		89	58.4	58.0		58.2	8	4		6	100	37	May 7
KAS Independence	82	110	73	88	59.4	54.9	59.2	57.8	0	0	8	3	100	32	May 4
KAS Revere	82	103	80	88	58.5	56.6	60.9	58.7	10	0	0	3	100	34	May 6
KY91C-117-32.	82	98		90	57.4	55.7		56.6	10	6		8	100	33	May 6
Stine 454	82			82	59.5			59.5	14			14	100	37	May 5
SS 522	81	74	76	77	61.1	58.1	61.9	60.4	14	75	18	35	100	32	May 4
Croplan Genetics SR204	80			80	60.0			60.0	31			31	100	35	May 6
KY90C-292-16.	80	89		84	58.5	54.4		56.5	0	0		0	100	26	May 4
NK Coker BL940582	80			80	58.5			58.5	8			8	100	34	May 3
SS 558	80	93	75	82	58.5	58.5	60.6	59.2	0	1	0	0	100	41	May 7
Patterson	79	77	75	77	59.7	57.7	60.0	59.1	0	0	0	0	100	33	May 4
Beck 104	78	100		89	58.2	56.3		57.3	8	16		12	100	32	May 5
Croplan Genetics SR211	78	86		82	59.3	55.3		57.3	45	53		49	100	31	May 5
Agripro Gibson	77	93		85	58.9	57.3		58.1	0	3		3	100	29	May 3
Exsegen Esther	77			77	57.5			57.5	10			10	100	29	May 5
Beck 101	76	102		89	56.8	56.6		56.7	11	8		10	100	27	May 4
NK Coker 9474	76	81	70	76	60.6	57.5	63.3	60.5	0	21	0	7	100	29	May 7
25R18	75	85		80	58.8	57.6		58.2	0	21		11	100	30	May 8
Agripro Mitchell	75			75	59.4			59.4	4			4	100	33	May 5
Madison	75	94	79	82	57.6	53.8	58.6	56.7	18	23	0	14	100	31	May 4
Stine 422	71			71	57.1			57.1	48			48	100	32	May 3
Agripro Foster	68	89	79	78	58.0	56.0	60.9	58.3	0	0	0	0	100	29	May 8
Clark	61	81	76	73	57.8	53.0	58.5	56.4	4	0	3	2	100	34	May 1
MEAN	84	93	81	86	58.7	56.1	60.7	58.5	8	14	2	9	100	31	

CV = 8.4
LSD (0.05) = 8.2
*LOCATION: SHELBY CO. KY.

Table 10. Wheat performance trials for no-till West Kentucky*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
25R37	86			86	58.7			58.7	0			0	100	29	May 2
25R18	76	114		95	60.9	60.0		60.5	0	0		0	100	29	May 5
SS 550	76	111		94	58.8	58.8		58.8	0	0		0	100	28	May 1
VA96W-270	76	109		93	59.9	60.8		60.4	0	0		0	100	30	April 30
Agripro Foster	75	112	82	90	57.1	58.8	55.7	57.2	0	0	0	0	100	30	May 4
Patterson	75	105	70	83	58.8	60.0	57.3	58.7	0	0	0	0	100	31	May 1
SS 558	75	116	77	89	58.1	59.6	57.2	58.3	0	0	0	0	100	32	May 2
25R44	74			74	58.3			58.3	0			0	100	28	May 2
VA97W-206	74			74	52.0			52.0	0			0	100	29	May 2
Agripro Mitchell	73			73	57.9			57.9	0			0	100	31	May 1
Exsegen Sarah	73			73	54.0			54.0	0			0	100	35	May 10
25W33	72	122		97	56.8	58.8		57.8	0	0		0	100	29	May 4
USG 3209	72	113	81	89	58.1	59.6	55.7	57.8	0	0	0	0	100	28	May 1
Madison	71	106	78	85	57.4	58.0	54.5	56.6	0	0	0	0	100	29	May 2
SS535- Gaucho	71			71	59.4			59.4	0			0	100	27	May 4
25W60	70			70	57.4			57.4	0			0	100	30	May 1
Agripro Patton	70	81		76	58.6	59.2	55.8	57.9	0	0		0	100	31	May 1
Croplan Genetics SR218	70	111		91	56.3	58.8		57.6	0	0		0	100	33	May 5
Exsegen Rebekah	70			70	58.2			58.2	0			0	100	29	May 1
KAS Independence	70	99	70	80	58.9	58.8	57.6	58.4	0	0	0	0	100	27	May 1
Sisson	70	110		90	59.3	59.2		59.3	0	0		0	100	30	April 30
SS 555	70	112	89	90	57.2	58.0	55.8	57.0	0	0	0	0	100	29	May 2
Agripro Gibson	69	101		85	59.0	59.2		59.1	0	0		0	100	28	April 30
Hopewell	69			69	55.3			55.3	0			0	100	33	May 7
SS535 - Raxil	69	102	82	84	59.5	61.2	56.6	59.1	0	0	0	0	100	27	May 3
SS 520	69	116		93	58.7	58.4		58.6	0	0		0	100	31	April 30
XW692	69			69	59.1			59.1	0			0	100	30	May 5
Beck 104	68	118		93	58.0	59.6		58.8	0	0		0	100	32	May 1
KAS Revere	68	97	78	81	57.1	59.6	57.3	58.0	0	0	0	0	100	33	May 6
Roane	68	116	97	94	60.7	62.4	58.4	60.5	0	0	0	0	100	27	May 1
VA98W-593	67			67	58.1			58.1	0			0	100	28	May 1
NK Coker BL940812	66			66	60.7			60.7	0			0	100	27	May 3
NK Coker 9663	66	109	87	87	58.0	59.2	58.2	58.5	0	0	6	2	100	33	May 1
Exsegen Esther	65			65	58.9			58.9	0			0	100	29	April 30
NK Coker 9474	65	94	75	78	61.0	60.0	59.2	60.1	0	0	0	0	100	30	May 1
25R49	64			64	54.7			54.7	0			0	100	28	May 1
Beck 101	64	106		85	59.1	58.4		58.8	0	0		0	100	28	April 30
2568	62	102	77	80	57.8	59.6	55.4	57.6	0	0	1	0	100	28	May 1
Croplan Genetics SR211	62	106		84	56.8	58.8		57.8	0	0		0	100	30	May 1
Stine 454	61			61	57.8			57.8	0			0	100	32	May 1
Croplan Genetics SR204	60			60	60.0			60.0	0			0	100	31	May 3
Stine 422	60			60	58.0			58.0	0			0	100	30	April 30
Clark	59	94	61	71	57.7	58.8	55.1	57.2	0	0	0	0	100	31	April 30
NK Coker 9025	55	99		77	55.4	58.4		56.9	0	8		4	100	28	May 4
SS 522	54	104	74	77	59.4	61.6	56.9	59.3	0	0	0	0	100	29	May 1
SS 566	54	109	63	75	55.7	59.6	54.9	56.7	0	0	0	0	100	32	May 4
NK Coker BL940582	41			41	57.0			57.0	0			0	100	29	May 1
MEAN	68	107	78	79	58	59	57	58	0	0	0	0	100	30	

CV = 7.6
LSD (0.05) = 6.0
*LOCATIONS = 2001: PRINCETON, 2000: FULTON CO., 1999: PRINCETON

Table 11. Wheat performance trials for no- till North Central Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT (IN.)	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
SS 520	81	91		86	58.8	54.4		56.6	0	3		1	100	30	May 5
25R37	81			81	60.5			60.5	0			0	100	25	May 8
25W60	80			80	58.3				0			0	100	30	May 8
XW692	79			79	60.1			60.1	3			1	100	28	May 9
VA96W-270	77	89		83	60.5	55.2		57.9	0	0		0	100	30	May 6
25R49	77			77	57.9			57.9	0			0	100	27	May 6
25W33	76	103		90	58.6	51.9		55.3	0	1		0	100	27	May 9
USG 3209	76	90	94	87	57.7	55.3	58.3	57.1	0	9	45	18	100	26	May 8
Exsegen Sarah	76			76	57.7			57.7	0			0	100	35	May 8
SS535- Gaucho	76			76	60.5			60.5	0			0	100	28	May 9
Hopewell	76			76	58.5			58.5	0			0	100	30	May 8
2568	75	92	90	86	57.0	54.0	58.8	56.6	0	0	0	0	100	28	May 7
Beck 101	74	89		82	58.6	53.4		56.0	0	5		3	100	28	May 5
Sisson	74	75		74	59.3	55.4		57.4	0	3		1	100	26	May 7
VA98W-593	73			73	59.5			59.5	1			0	100	26	May 8
SS 555	73	98	83	85	57.6	52.9	57.6	56.0	0	0	3	1	100	32	May 9
SS 550	73	86		79	59.0	54.1		56.6	0	0		0	100	28	May 8
25R44	72			72	58.7			58.7	0			0	100	26	May 7
Agripro Mitchell	72			72	57.8			57.8	0			0	100	30	May 8
Exsegen Rebekah	72			72	59.3			59.3	0			0	100	28	May 6
Exsegen Esther	72			72	58.9			58.9	0			0	100	25	May 5
VA97W-206	72			72	57.6			57.6	0			0	100	27	May 9
Agripro Patton	71	76	100	82	59.5	56.6	59.4	58.5	0	3	3	2	100	32	May 6
SS535 - Raxil	71	89	89	83	61.0	55.7	60.2	59.0	0	0	30	10	100	29	May 9
Croplan Genetics SR218	69	88		79	58.8	55.4		57.1	0	0		0	100	31	May 8
Agripro Gibson	69	91		80	59.8	56.4		58.1	0	0		0	100	29	May 6
SS 558	69	99	80	83	58.9	56.6	58.3	57.9	0	0	8	3	100	34	May 7
KAS Independence	69	112	78	86	59.5	55.0	57.6	57.4	1	3	4	3	100	30	May 6
Stine 454	68			68	59.2			59.2	0			0	100	31	May 6
NK Coker 9474	68	85	80	78	61.8	56.1	61.6	59.8	0	1	0	0	100	30	May 9
NK Coker 9025	67	93		80	56.8	53.1		55.0	4	4		3	100	26	May 8
SS 522	67	80	75	74	61.4	54.9	61.1	59.1	0	0	30	10	100	28	May 7
NK Coker BL940582	67			67	59.1			59.1	0			0	100	28	May 8
KAS Revere	67	97	80	81	59.7	54.5	59.7	58.0	0	0	0	0	100	33	May 8
25R18	66	103		85	60.3	56.3		58.3	0	1		0	100	27	May 9
Beck 104	66	94		80	59.2	55.1		57.2	0	0		0	100	30	May 6
Roane	66	101	90	86	60.2	57.3	61.3	59.6	0	0	10	3	100	27	May 8
NK Coker BL940812	66			66	61.1			61.1	0			0	100	25	May 9
Agripro Foster	64	99	73	79	59.2	55.9	55.7	56.9	0	0	1	0	100	30	May 9
Madison	64	90	90	81	58.8	60.0	58.2	59.0	15	0	10	8	100	28	May 7
Croplan Genetics SR204	63			63	60.3			60.3	0			0	100	34	May 8
Clark	63	86	82	77	58.2	54.8	57.5	56.8	0	0	14	5	100	28	May 4
Patterson	63	85	83	77	59.8	56.5	59.4	58.6	0	3	11	5	100	29	May 6
NK Coker 9663	62	91	94	82	60.1	54.1	61.1	58.4	1	3	46	24	100	35	May 9
SS 566	62	95	79	79	57.2	53.2	58.4	56.3	0	3	1	1	100	30	May 9
Croplan Genetics SR211	60	85		73	59.1	54.7		56.9	6	1		3	100	32	May 7
Stine 422	59			59	58.3			58.3	0			0	100	29	May 6
MEAN	70	91	85	78	59	55.1	59.0	57.8	1	1	13	2	100	29	

CV = 8.3
LSD (0.05) = 6.8
*LOCATION = SHELBY CO. KY.

Table 12. Disease ratings of wheat varieties in 2001.

Name	Leaf Rust	Speckled Leaf Blotch	Glume Blotch	Powdery Mildew	Virus Complex *	Head Scab ** Lexington Severity	Head Scab ** Princeton Severity
Clark	MR	VS	VS	S	MS	43.0	11.5
Patterson	MR	VS	S	S	R	30.8	7.8
Madison	MS	S	S	MS	MR	51.6	10.8
Roane	MS	S	S	MR	MS	21.8	32.4
KAS Independence	R	S	S	MR	R	19.5	15.5
KAS Revere	R	MS	MS	MR	R	14.7	7.0
Hopewell	--	--	--	MR	--	24.7	35.4
Exsegen Esther	--	--	--	S	--	43.6	9.1
Exsegen Rebekah	--	--	--	R	--	32.8	15.9
Exsegen Sarah	--	--	--	MS	--	16.8	15.3
SS 522	MR	VS	S	MS	MS	70.3	16.6
SS 566	MR	VS	S	R	MR	32.2	21.1
SS 555	S	VS	S	MR	MR	47.8	10.6
SS 558	S	VS	S	S	MS	28.5	12.4
SS535 - Raxil	MR	S	S	R	MR	34.3	17.9
Stine 422	MR	VS	S	S	MR	29.9	12.4
Stine 454	--	--	--	MS	--	30.3	25.1
AGRIPRO Foster	S	VS	S	MS	MR	20.8	20.4
AGRIPRO Patton	MR	S	S	MR	MR	16.6	12.5
AGRIPRO Gibson	MR	S	S	VS	MR	31.4	18.4
AGRIPRO Mitchell	--	--	--	S	--	39.6	21.8
NK Coker 9663	R	VS	S	MS	MS	22.2	27.6
NK Coker 9474	R	VS	S	MR	MS	26.3	17.6
NK Brand Coker 9025	R	VS	S	MS	MR	41.8	16.0
NK BL940582	--	--	--	MS	--	37.1	31.1
NK BL940812	--	--	--	MR	--	51.6	15.3
Croplan Genetics SR218	S	S	S	MR	MR	29.0	20.8
Croplan Genetics SR204	--	--	--	MS	--	20.7	20.4
Beck 101	MR	VS	S	MS	MS	32.7	71.8
Beck 104	MR	VS	S	S	MR	25.1	28.9
USG 3209	MR	VS	S	R	MR	41.5	30.5
VA96W-270	MS	S	VS	R	R	52.8	50.1
SS 520	MR	VS	S	R	MS	81.3	36.2
Sisson	S	VS	S	R	MS	33.7	8.4
SS 550	S	VS	S	R	MS	28.6	28.3
VA97W-206	--	--	--	MR	--	49.9	--

continued on next page

Table 12. Disease ratings of wheat varieties in 2001 (continued).

Name	Leaf Rust	Speckled Leaf Blotch	Glume Blotch	Powdery Mildew	Virus Complex *	Head Scab ** Lexington Severity	Head Scab ** Princeton Severity
VA98W-593	--	--	--	R	--	18.9	--
25R18	MS	S	MS	VS	R	12.1	--
2568	MR	VS	S	VS	MR	51.8	--
25R37	--	--	--	R	--	29.9	17.5
25R44	--	--	--	MS	--	35.6	13.6
25R49	--	--	--	MS	--	60.3	19.6
XW692	--	--	--	R	--	30.9	22.3
25W60	MR	VS	S	MS	R	46.2	17.9
25W33	MR	S	S	R	R	38.2	18.5
Croplan Genetics SR211	MR	S	S	MR	MR	45.4	19.9
KY91C-117-27.	--	--	--	MS	--	57.4	41.9
KY91C-117-32.	S	VS	MS	MR	R	36.4	39.5
KY91C-170-3	--	--	--	MR	--	21.4	17.6
KY91C-171-24.	--	--	--	MS	--	37.2	17.7
KY90C-048-59	S	VS	MS	MS	MR	26.7	15.2
KY90C-054-6	MR	VS	MS	MS	MR	16.8	7.6
KY90C-292-4-1	MS	VS	S	MS	R	35.8	27.3
KY90C-292-16.	MR	VS	S	MR	R	40.3	25.9
KY90C-042-37-1	--	--	--	MR	--	59.3	29.1
KY92C-460-44-1	--	--	--	MS	--	24.7	23.7
KY91C-261-28	--	--	--	MR	--	19.2	8.0
KY91C-261-6-1	--	--	--	MR	--	17.7	10.2
KY92C-433-77-1	--	--	--	MR	--	16.9	21.0
GA 91426E39	--	--	--	R	--	39.9	24.8
GA 901146E15	--	--	--	R	--	46.8	22.9

VS = VERY SUSCEPTIBLE; R = RESISTANT; MR = MODERATELY RESISTANT; S = SUSCEPTIBLE; MS = MODERATELY SUSCEPTIBLE; -- = INSUFFICIENT OPPORTUNITY TO RATE IN PRESENCE OF DISEASE.
In general, varieties with a VS or S reaction to a given disease will not perform well if that disease becomes severe, while varieties rated R or MR will perform well in those situations. Varieties with a MS reaction will have an intermediate response.
* Both Wheat Spindle Streak Mosaic Virus and Wheat Streak Mosaic Virus were present. However, the Wheat Spindle Streak Mosaic Virus was the most predominant and the ratings primarily reflect the varietal reactions to this virus.
** Head Scab severity is presented as the percentage of diseased spikelets from 25 infected heads in inoculated, irrigated nurseries. Varieties with the lowest percent Head Scab severity are the most likely to perform acceptably if Head Scab is present.

Table 13. Characteristics of barley tested in 2001.

NAME	PROTECTED	SOURCE	RELEASE DATE	YIELD BU/A	TEST WT. LB/BU	HEIGHT IN.	HEADING DATE	LODGING %
VA96-44-321	NA	Virginia Tech.	NA	119.8	48.5	31	April 25	25
VA97B-388	NA	Virginia Tech.	NA	116.4	48.3	32	April 26	38
VA96-44-304	NA	Virginia Tech.	NA	114.2	47.8	30	April 25	31
VA96B-248	NA	Virginia Tech.	NA	107.6	48.3	29	April 25	52
VA97B-176	NA	Virginia Tech.	NA	107.4	47.9	29	April 25	56
NOMINI	YES	Virginia Tech.	1994	105.9	46.6	36	April 23	30
STARLING	YES	Virginia Tech.	1993	100.2	44.7	35	April 25	53
VA97B-178	NA	Virginia Tech.	NA	93.9	47.6	28	April 25	57
PAMUNKEY	YES	Virginia Tech.	1993	88.2	46.9	33	April 23	37
CALLAO	YES	Virginia Tech.	1994	80.2	47.9	27	April 24	89
MEAN				103.4	47.5	31.0		47

CV = 12.1
LSD = 11.3

Table 14. Barley performance trials for Bluegrass Region*, 1998 - 2000**

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED						
VARIETY	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	SURVIVAL 2000	HEIGHT 2000	HEADING DATE 2000
STARLING	92	119	80	97	42.5	46.3	36.2	41.7	30	0	88	39	100	36	02-May
WYSOR	85	122	66	91	42.8	47.9	44.1	44.9	31	3	90	41	100	39	02-May
CALLAO	62	108	37	69	45.7	49.3	41.4	45.5	40	71	84	65	100	32	23-Apr
PAMUNKEY	55	107	47	69	45.3	50.8	42.2	46.1	11	0	83	31	100	38	23-Apr
MEAN	73	114	57	82	44.1	48.6	41.0	44.5	28	18	86	44	100	36	

CV = 23.3
LSD = 22.1
*LOCATION: SPINDLETOP FARM, LEXINGTON
**2001 TEST WAS NOT HARVESTED DUE TO POOR EMERGENCE

Table 15. Barley performance trials for Western Coal Field Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
VA97B-388	113			113	46.6			46.6	0			0	100	33	28-Apr
VA97B-176	109			109	47.6			47.6	15			15	100	28	26-Apr
VA96-44-321	105			105	47.6			47.6	8			8	100	30	26-Apr
VA96B-248	105			105	47.9			47.9	0			0	100	29	27-Apr
NOMINI	104			104	45.7			45.7	0			0	100	36	24-Apr
STARLING	101	74	81	85	43.6	41.1	44.7	43.1	13	6	18	12	100	36	27-Apr
VA96-44-304	97			97	47.3			47.3	30			30	100	28	26-Apr
CALLAO	87	98	79	88	46.7	44.8	44.5	45.3	81	6	23	37	100	25	25-Apr
VA97B-178	87			87	47.3			47.3	21			21	100	28	26-Apr
PAMUNKEY	82	80	102	88	45.3	47.1	48.6	47.0	30	0	8	13	100	33	24-Apr
MEAN	99	84	87	98	92.1	90.4	92.0	93.1	20	4	16	14	100	31	

CV = 10.5
LSD = 12.6
*LOCATION: PRINCETON KY.

Table 15A. Barley performance trials for Southern Tier Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001
VA96-44-321	134			134	49.0			49.0	46			46	100	32
VA97B-388	131			131	49.2			49.2	45			45	100	32
VA96-44-304	127			127	47.9			47.9	40			40	100	31
VA96B-248	121			121	49.0			49.0	69			69	100	30
VA97B-176	113			113	48.0			48.0	71			71	100	30
NOMINI	103			103	47.5			47.5	43			43	100	36
VA97B-178	103			103	48.2			48.2	69			69	100	29
STARLING	102	66	123	97	45.0	44.7	44.0	44.6	66	0	20	29	100	34
PAMUNKEY	90	55	106	84	48.0	48.4	48.8	48.4	45	0	0	15	100	33
CALLAO	85	61	107	84	49.1	48.9	48.1	48.7	98	0	19	39	100	29
MEAN	111	61	112	110	48	47	47	48	59	0	13	47	100	32

CV = 15.0
LSD = 12.6
*LOCATION: LOGAN CO.

Table 15B. Barley performance trials for Southern Tier Region*, 1999-2001.

	YIELD (BU/A)				TEST WT. (LB/BU)				PCT LODGED				SURVIVAL	HEIGHT	HEADING DATE
VARIETY	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2000	1999	MEAN	2001	2001	2001
VA96-44-321	120			120	48.9			48.9	21			21	100	-	24-Apr
VA96-44-304	119			119	48.1			48.1	23			23	100	-	23-Apr
NOMINI	110			110	46.6			46.6	49			49	100	-	22-Apr
VA97B-388	105			105	49.2			49.2	70			70	100	-	25-Apr
VA97B-176	100			100	48.0			48.0	83			83	100	-	24-Apr
STARLING	98	126	91	105	45.5	41.4	47.0	44.6	81	58	15	51	100	-	24-Apr
VA96B-248	97			97	48.0			48.0	88			88	100	-	24-Apr
PAMUNKEY	92	121	96	103	47.0	46.4	49.9	47.8	36	29	0	22	100	-	22-Apr
VA97B-178	91			91	47.3			47.3	81			81	100	-	24-Apr
CALLAO	69	127	99	98	47.8	44.6	45.0	45.8	89	68	89	82	100	-	22-Apr
MEAN	100	125	95	105	47.6	44.1	47.3	47.4	62	52	35	57	100	-	

CV = 9.4
LSD = 11.3
*LOCATION: WARREN CO. KY.

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