AGRICULTURAL EXPERIMENT STATION
UNIVERSITY OF KENTUCKY • COLLEGE OF AGRICULTURE

2000 Kentucky Small Grain Variety Trials

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In 2000, Kentucky farmers harvested 24.4 million bushels of soft red winter wheat produced on 420,000 acres. The average yield of 58 bu/A was 2 bushels less than the 1999 yield.

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.

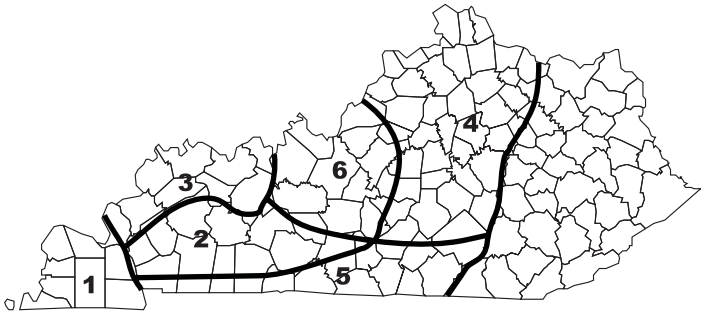

Figure 1. Agroclimatic regions of Kentucky small grain variety trials.

Region	2000 Location	Cooperator	Crop Tested
1. Purchase	Hickman	Joe and 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

Table 1. Wheat harvested acreage and yields in Kentucky, 1998-2000.*

	2000		1999		1998	
Crop	Harvest 1000 A	Yield Bu/A	Harvest 1000 A	Yield Bu/A	Harvest 1000 A	Yield Bu/A
Wheat	420	58	430	60	550	47

* July 13, 2000, 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 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

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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, winterkilling, 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 gives a more accurate picture of varietal performance than does annual data.

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.

2000 Test Conditions

Favorable weather conditions during October allowed for timely seeding of the wheat and barley trials. November weather was dominated by very mild temperatures and below-normal rainfall. December temperatures continued very mild, with precipitation below normal. January had seasonal record high temperatures the first half of the month and near record low temperatures during the second half of the month, with precipitation slightly above normal. The very mild temperatures continued during February and March, with precipitation averaging above normal. The trials came through the very mild

Table 2. Region, location, preceding crop, and planting dates of Kentucky small grain trials, 1998-2000.

Region	Location	Preceding Crop	Current Crop	Planting Date 2000	1999	1998
Purchase	Hickman	Corn	Wheat			
	(1998-2000)		*Conventional*	10/21	10/23	10/10
			No-till	10/20		
Ohio Valley	Henderson	Corn	Wheat		10/16	10/16
	(1998-99)					
	Calhoun	Corn	Wheat	10/22		
	(2000)					
Bluegrass	Lexington	Corn	Barley	10/22	10/20	10/16
	(1998-2000)		Wheat	10/22	10/20	10/15
Southern Tier	Russellville	Corn	Barley	10/20	10/13	10/8
	(1998-2000)		Wheat			
			Conventional	10/20	10/13	10/8
			No-till			10/8
	Bowling Green	Corn	Barley	10/25	10/15	10/15
	(1998-2000)		Wheat	10/25	10/15	10/15
Western Coal Field	Princeton	Fallow	Barley	10/26	10/14	10/17
	(1998-2000)		Wheat			
			Conventional	10/26	10/14	10/17
			No-till		10/9	
North Central	Shelbyville	Corn	Wheat			
	(1998-2000)		*Conventional*	10/15	10/12	10/2
			No-till	10/14	10/12	10/2

winter with no winterkill, and the tests continued to develop very well through April.

Disease infestations overall were very light, with the exception of one location that had an unusually high incidence of wheat spindle streak mosaic virus. All locations, with the exception of Princeton, were treated with insecticide and fungicide to control barley yellow dwarf and fungal diseases. The Princeton location was not treated with fungicide so varieties could be rated for disease resistance. Disease ratings were made for wheat spindle streak mosaic virus, speckled leaf blotch and glume blotch, powdery mildew, and leaf rust. The ratings are presented in Table 11.

Small Grain Varieties for 2000

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 12 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 8. No-till varietal performance is presented in Tables 9 and 10.

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 12 through 14b.

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 2000

VARIETY	PROTECTED	SOURCE	RELEASE DATE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
25W60	Yes	Pioneer Hi Bred Int'l	1999	92.0	56.4	11.1	39.6	100.0	29-Apr
25W33	Yes	Pioneer Hi Bred Int'l	1999	91.3	54.1	1.3	37.6	100.0	2-May
VA96W-158	Yes	Virginia	--	91.1	57.1	10.4	39.0	100.0	25-Apr
2552	Yes	Pioneer Hi Bred Int'l	1994	89.7	58.5	4.8	38.9	100.0	1-May
SS 555	Yes	Southern States Coop	1990	89.7	54.5	1.8	38.1	100.0	1-May
KY90C-054-6.	Yes	Kentucky	--	89.2	54.7	15.2	41.0	100.0	1-May
KY90C-292-4-1	Yes	Kentucky	--	88.6	57.0	10.4	38.1	100.0	29-Apr
VA96W-270	Yes	Virginia	--	87.8	57.2	1.6	37.4	100.0	27-Apr
VA96W-247	Yes	Virginia	--	87.7	56.1	16.6	35.6	100.0	30-Apr
SS 535	Yes	Southern States Coop	2000	87.5	58.0	11.6	35.3	100.0	30-Apr
KY91C-117-32.	Yes	Kentucky	--	87.4	54.7	13.6	38.5	100.0	30-Apr
KY90C-048-59.	Yes	Kentucky	--	86.8	56.3	3.2	39.9	100.0	30-Apr
AGRIPRO PATTON	Yes	Agripro Wheat	1998	86.6	56.8	12.0	41.6	100.0	29-Apr
KAS INDEPENDENCE	Yes	Kentucky American Seeds	1999	86.5	55.8	8.2	37.0	100.0	30-Apr
USG 3209	Yes	Unisouth Genetics	1999	86.4	56.2	11.8	34.5	100.0	27-Apr
SS 558	Yes	Southern States Coop	1997	85.8	57.4	2.0	41.6	100.0	1-May
MADISON	Yes	Virginia	1990	85.0	55.0	9.5	38.9	100.0	27-Apr
STINE 455	Yes	Stine Seeds	1999	85.0	55.1	30.5	40.0	100.0	30-Apr
BECK 101	Yes	Beck's Hybrids	1999	84.9	56.3	10.7	38.0	100.0	28-Apr
AGRIPRO FOSTER	Yes	Agripro Wheat	1996	84.8	56.3	1.1	38.8	100.0	1-May
VA96W-250	Yes	Virginia	--	84.5	56.7	13.4	34.9	100.0	27-Apr
KY90C-292-16.	Yes	Kentucky	--	84.2	57.0	9.8	37.2	100.0	29-Apr
BECK 104	Yes	Beck's Hybrids	--	84.1	55.7	6.8	41.2	100.0	30-Apr
KAS REVERE	Yes	Kentucky American Seeds	1999	83.8	55.8	0.0	38.9	100.0	4-May
ROANE	Yes	Virginia	1998	83.6	58.8	21.8	35.7	100.0	2-May
CROPLAN GENETICS SR218	Yes	Croplan Genetics*	1999	83.5	57.4	2.0	40.0	100.0	3-May
CLARK	Yes	Indiana	1988	82.3	55.9	4.6	40.1	100.0	28-Apr
BECK EX 6812	Yes	Beck's Hybrids	--	81.9	55.3	38.6	39.5	100.0	30-Apr
2568	Yes	Pioneer Hi Bred Int'l	1995	81.6	56.3	10.7	37.9	100.0	29-Apr
KAS PATRIOT	Yes	Kentucky American Seeds	1994	81.4	56.1	25.4	37.6	100.0	1-May
AGRIPRO MASON	Yes	Agripro Wheat	1998	81.1	55.8	1.3	38.4	100.0	25-Apr
25R18	Yes	Pioneer Hi Bred Int'l	1999	81.0	57.5	3.0	36.3	100.0	3-May
USG 3709	Yes	Unisouth Genetics	1999	80.3	55.4	18.2	40.0	100.0	29-Apr
AGRIPRO ELKHART	Yes	Agripro Wheat	1995	80.2	58.3	9.1	41.5	100.0	30-Apr
CROPLAN GENETICS SR211	Yes	Croplan Genetics	1999	80.1	55.8	30.4	37.9	100.0	1-May
PATTERSON	Yes	Indiana	1994	80.0	57.5	9.8	40.3	100.0	30-Apr
AGRIPRO GIBSON	Yes	Agripro Wheat	1999	79.9	57.7	5.4	36.2	100.0	29-Apr
GOLDFIELD	Yes	Indiana	1999	79.7	57.6	4.5	44.2	100.0	4-May
KASKASKIA	Yes	Illinois	1999	79.3	58.7	13.9	41.5	100.0	3-May
COKER 9663	Yes	Novartis	1996	78.0	57.0	37.3	40.8	100.0	28-Apr
AR 494B-2-2	Yes	Arkansas	--	77.2	56.3	20.4	39.7	100.0	30-Apr
26R24	Yes	Pioneer Hi Bred Int'l	1999	77.0	56.7	33.6	37.5	100.0	29-Apr
SS 566	Yes	Southern States Coop	1999	76.9	55.4	13.9	38.1	100.0	2-May
COKER 9474	Yes	Novartis	1998	74.2	58.3	4.1	36.7	100.0	29-Apr
25R26	Yes	Pioneer Hi Bred Int'l	1999	73.6	52.6	7.1	36.8	100.0	2-May
SS 522	Yes	Southern States Coop	1998	72.3	57.5	44.3	36.3	100.0	29-Apr
STINE 422X	Yes	Stine Seeds	--	72.3	55.4	17.9	38.0	100.0	27-Apr
BL930390	Yes	Novartis	--	72.3	53.0	34.1	36.4	100.0	3-May

MEAN = 82.9 BU/A
CV = 10.2
LSD(0.05) = 4.6

* Designated Crop Gen in remainder of publication

TABLE 3a AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 1999-2000

VARIETY	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
2552	89.9	59.1	2.4	37.3	100.0	1-May
USG 3209	88.4	57.5	8.0	32.6	100.0	27-Apr
AGRIPRO PATTON	85.9	57.2	6.9	39.5	100.0	29-Apr
STINE 455	85.1	55.7	18.7	38.5	100.0	30-Apr
SS 535	85.0	58.7	9.1	34.3	100.0	30-Apr
2568	84.7	57.1	5.8	36.6	100.0	29-Apr
ROANE	84.6	59.9	11.2	34.9	100.0	2-May
MADISON	84.5	56.1	6.0	36.6	100.0	27-Apr
COKER 9663	83.8	58.4	24.1	39.6	100.0	28-Apr
SS 555	83.6	55.8	0.9	36.1	100.0	1-May
AGRIPRO MASON	83.1	56.6	2.1	37.3	100.0	25-Apr
SS 558	81.6	58.0	1.0	39.7	100.0	1-May
AGRIPRO ELKHART	81.3	58.8	5.0	40.1	100.0	30-Apr
AGRIPRO FOSTER	81.2	56.7	0.5	37.4	100.0	1-May
KAS PATRIOT	80.5	56.8	15.4	37.1	100.0	1-May
KAS REVERE	80.4	57.1	0.0	37.8	100.0	4-May
KAS INDEPENDENCE	80.3	56.8	4.6	35.6	100.0	30-Apr
25R26	79.9	54.7	4.2	35.2	100.0	2-May
KASKASKIA	79.0	59.5	7.1	40.4	100.0	3-May
PATTERSON	77.3	57.8	5.4	39.0	100.0	30-Apr
SS 566	77.2	56.7	7.0	36.9	100.0	2-May
SS 522	76.2	58.4	27.1	35.7	100.0	29-Apr
CLARK	76.1	56.5	2.8	38.4	100.0	28-Apr
COKER 9474	74.1	59.4	2.1	36.0	100.0	29-Apr

TABLE 3b AVERAGE PERFORMANCE OF WHEAT VARIETIES TESTED IN 98-00

VARIETY	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
2552	80.0	57.9	3.4	36.7	100.0	1-May
AGRIPRO PATTON	76.4	55.4	9.8	38.5	100.0	29-Apr
COKER 9663	75.1	57.5	23.7	39.4	100.0	28-Apr
2568	73.9	54.7	7.7	35.8	100.0	29-Apr
ROANE	73.0	58.0	18.8	34.4	100.0	2-May
USG 3209	72.4	54.7	15.9	31.8	100.0	27-Apr
MADISON	72.2	54.1	10.2	36.7	100.0	27-Apr
AGRIPRO MASON	72.0	55.3	5.4	36.8	100.0	25-Apr
AGRIPRO ELKHART	71.9	57.7	6.4	39.1	100.0	30-Apr
SS 558	71.1	56.5	2.3	38.9	100.0	1-May
25R26	71.0	53.3	5.2	34.7	100.0	2-May
KAS PATRIOT	70.8	54.7	15.3	36.9	100.0	1-May
PATTERSON	69.1	56.1	6.7	38.8	100.0	30-Apr
AGRIPRO FOSTER	69.0	54.8	2.2	36.6	100.0	1-May
SS 555	68.6	52.4	5.5	35.6	100.0	1-May
COKER 9474	67.1	58.4	6.0	35.8	100.0	29-Apr
SS 522	66.0	56.4	26.8	35.1	100.0	29-Apr
CLARK	65.9	54.8	8.6	37.9	100.0	28-Apr

TABLE 4 WHEAT PERFORMANCE TRIALS FOR PURCHASE REGION*, 1998-2000

VARIETY	YIELD (BU/AC) 2000	1999	1998	MEAN	TEST WT (LB/BU) 2000	1999	1998	MEAN	PCT LODGED 2000	1999	1998	MEAN	PCT SURVIVAL 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
KY90C-054-6.	101			101	59.4			59.4	0	0	0	0	100			100	40	24-Apr
USG 3209	95	89	26	70	60.3	58.1	49.1	55.8	0	0	28	9	100	100	100	100	36	18-Apr
VA96W-158	93			93	58.1			58.1	0	0	0	0	100			100	39	18-Apr
AGRIPRO FOSTER	90	61	33	61	59.6	57.6	52.8	56.7	0	0	26	9	100	100	100	100	40	24-Apr
KY91C-117-32.	89			89	60.1			60.1	0	0	0	0	100			100	39	23-Apr
STINE 455	89	76		82	59.3	55.9		57.6	0	0	0	0	100	100		100	41	21-Apr
VA96W-247	89			89	60.1			60.1	0	0	0	0	100			100	36	22-Apr
VA96W-250	89			89	60.6			60.6	0	0	0	0	100			100	36	20-Apr
2568	87	71	48	69	60.9	56.7	52.3	56.6	0	0	30	10	100	100	100	100	39	23-Apr
MADISON	87	79	38	68	59.6	55.8	51.1	55.5	0	0	20	7	100	100	100	100	40	19-Apr
AGRIPRO MASON	87	82	39	69	60.1	55.4	50.9	55.5	0	0	26	9	100	100	100	100	40	19-Apr
KY90C-292-16.	86			86	61.7			61.7	0	0	0	0	100			100	36	22-Apr
25W60	86			86	61.2			61.2	0	0	0	0	100			100	41	22-Apr
BECK EX 6812	86			86	59.5			59.5	0	0	0	0	100			100	40	22-Apr
26R24	85			85	61.7			61.7	0	0	0	0	100			100	38	21-Apr
25W33	85			85	60.0			60.0	0	0	0	0	100			100	41	25-Apr
SS 555	84	66	15	55	58.3	57.7	44.8	53.6	0	0	59	20	100	100	100	100	41	26-Apr
CROP GEN SR211	84			84	60.7			60.7	0	0	0	0	100			100	39	23-Apr
USG 3709	84			84	59.0			59.0	0	0	0	0	100			100	41	23-Apr
VA96W-270	83			83	60.5			60.5	0	0	0	0	100			100	39	20-Apr
KY90C-292-4-1	83			83	61.3			61.3	0	0	0	0	100			100	38	22-Apr
BECK 101	82			82	58.1			58.1	0	0	0	0	100			100	37	21-Apr
AGRIPRO ELKHART	82	82	50	71	59.7	59.0	55.4	58.0	0	0	33	11	100	100	100	100	45	22-Apr
KAS PATRIOT	82	77	58	72	60.8	57.9	54.3	57.7	0	0	23	8	100	100	100	100	41	23-Apr
SS 535	82	81		81	60.9	58.7		59.8	0	0	0	0	100	100		100	37	21-Apr
AGRIPRO PATTON	81	69	51	67	59.1	56.6	51.4	55.7	0	0	61	20	100	100	100	100	44	22-Apr
COKER 9663	81	88	58	76	59.8	59.9	55.5	58.4	3	0	21	8	100	100	100	100	41	20-Apr
CROP GEN SR218	81			81	60.1			60.1	0	0	0	0	100			100	41	27-Apr
BECK 104	81			81	59.5			59.5	0	0	0	0	100			100	42	24-Apr
KY90C-048-59.	79			79	58.9			58.9	0	0	0	0	100			100	42	24-Apr
25R26	79	76	46	67	59.5	56.4	53.2	56.4	0	0	5	2	100	100	100	100	39	26-Apr
SS 558	78	65	58	67	59.6	57.5	54.4	57.2	0	0	15	5	100	100	100	100	45	23-Apr
SS 566	78	65		71	59.7	56.5		58.1	0	0	0	0	100	100		100	38	24-Apr
SS 522	77	67	44	62	61.4	58.9	54.3	58.2	0	0	36	12	100	100	100	100	38	20-Apr
25R18	77			77	60.3			60.3	0	0	0	0	100			100	36	28-Apr
2552	76	77	51	68	60.9	59.7	53.3	58.0	0	0	9	3	100	100	100	100	40	23-Apr
CLARK	76	62	35	57	59.1	55.7	52.3	55.7	0	0	66	22	100	100	100	100	40	21-Apr
ROANE	75	76	34	61	63.1	61.3	51.6	58.7	0	0	53	18	100	100	100	100	37	26-Apr
AR 494B-2-2	74			74	60.5			60.5	0	0	0	0	100			100	41	24-Apr
PATTERSON	74	57	55	62	59.7	56.0	57.1	57.6	0	0	20	7	100	100	100	100	44	22-Apr
STINE 422X	73			73	59.5			59.5	0	0	0	0	100			100	38	20-Apr
KASKASKIA	72	67		69	62.1	60.7		61.4	0	0	0	0	100	100		100	44	26-Apr
BL930390	70			70	60.1			60.1	5	0	0	2	100			100	34	26-Apr
KAS INDEPENDENCE	70	62		66	58.2	57.4		57.8	0	0	0	0	100	100		100	39	24-Apr
GOLDFIELD	69			69	59.9			59.9	0	0	0	0	100			100	47	30-Apr
AGRIPRO GIBSON	69			69	59.9			59.9	0	0	0	0	100			100	38	22-Apr
COKER 9474	67	59	58	61	60.6	59.1	57.7	59.1	0	0	18	6	100	100	100	100	36	22-Apr
KAS REVERE	64	69		66	59.8	58.2		59.0	0	0	0	0	100	100		100	40	29-Apr
MEAN	81	72	44	66	60.1	57.8	52.9	56.9	0	0	11	4	100	100	100	100	40	

CV = 7.6
LSD(0.05) = 7.1
* LOCATION: Fulton County

TABLE 5 WHEAT PERFORMANCE TRIALS FOR OHIO VALLEY REGION*, 1998-2000

VARIETY	YIELD (BU/AC) 2000	1999	1998	MEAN	TEST WT (LB/BU) 2000	1999	1998	MEAN	PCT LODGED 2000	1999	1998	MEAN	PCT SURVIVAL 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
VA96W-158	103			103	55.7			55.7	4	0	0	1	100			100	39	29-Apr
KASKASKIA	102	85		93	57.1	61.1		59.1	0	1	0	0	100	100		100	43	5-May
SS 555	101	85	47	78	54.9	56.6	43.2	51.6	0	0	4	1	100	100	100	100	39	3-May
2552	100	92	64	85	57.5	57.6	55.5	56.9	0	0	5	2	100	100	100	100	41	3-May
BECK 101	100			100	54.9			54.9	9	0	0	3	100			100	40	30-Apr
SS 522	99	94	45	79	57.6	59.8	48.4	55.3	14	10	25	16	100	100	100	100	40	30-Apr
AGRIPRO ELKHART	98	92	61	84	58.2	59.4	54.6	57.4	0	0	8	3	100	100	100	100	45	1-May
VA96W-250	98			98	56.7			56.7	18	0	0	6	100			100	36	30-Apr
KAS INDEPENDENCE	98	76		87	56.1	57.0		56.6	3	0	0	1	100	100		100	38	3-May
25W60	98			98	53.3			53.3	13	0	0	4	100			100	41	1-May
AGRIPRO PATTON	98	95	59	84	54.9	57.3	48.3	53.5	3	0	6	3	100	100	100	100	43	2-May
AGRIPRO FOSTER	97	69	46	71	56.1	52.9	47.9	52.3	1	0	3	1	100	100	100	100	41	3-May
SS 558	97	74	50	74	57.9	57.0	52.9	55.9	0	0	0	0	100	100	100	100	42	4-May
AGRIPRO MASON	97	88	56	80	55.6	55.6	49.7	53.6	1	0	0	0	100	100	100	100	40	29-Apr
VA96W-270	97			97	56.1			56.1	4	0	0	1	100			100	39	30-Apr
CLARK	96	77	52	75	53.3	54.9	50.2	52.8	10	4	15	10	100	100	100	100	42	1-May
2568	96	90	49	78	53.8	55.7	48.0	52.5	0	0	9	3	100	100	100	100	39	30-Apr
25R18	96			96	55.5			55.5	0	0	0	0	100			100	38	5-May
STINE 455	96	95		95	53.3	56.0		54.7	3	0	0	1	100	100		100	43	3-May
ROANE	95	98	47	80	58.1	61.0	50.8	56.6	9	4	20	11	100	100	100	100	39	3-May
VA96W-247	95			95	55.8			55.8	21	0	0	7	100			100	37	2-May
USG 3209	95	92	38	75	55.1	58.1	44.4	52.5	3	0	21	8	100	100	100	100	37	30-Apr
KY90C-048-59.	94			94	54.7			54.7	4	0	0	1	100			100	42	3-May
CROP GEN SR211	94			94	55.0			55.0	4	0	0	1	100			100	41	3-May
PATTERSON	94	75	60	76	55.4	57.5	52.3	55.1	4	8	3	5	100	100	100	100	42	2-May
26R24	94			94	56.9			56.9	8	0	0	3	100			100	41	1-May
KY91C-117-32.	93			93	53.2			53.2	16	0	0	5	100			100	39	3-May
25W33	93			93	51.7			51.7	0	0	0	0	100			100	38	5-May
COKER 9663	93	100	59	84	56.3	59.9	54.2	56.8	10	29	23	20	100	100	100	100	44	1-May
BECK 104	93			93	53.6			53.6	1	0	0	0	100			100	42	2-May
USG 3709	92			92	54.7			54.7	21	0	0	7	100			100	42	2-May
MADISON	92	90	50	77	54.0	54.1	50.9	53.0	8	0	15	8	100	100	100	100	40	30-Apr
KY90C-054-6.	91			91	52.4			52.4	23	0	0	8	100			100	42	4-May
KAS PATRIOT	91	83	55	76	54.8	54.8	50.2	53.3	14	6	8	9	100	100	100	100	39	3-May
KY90C-292-4-1	91			91	54.3			54.3	15	0	0	5	100			100	41	1-May
SS 535	91	86		88	57.2	59.3		58.3	3	25	0	9	100	100		100	38	1-May
SS 566	90	92		91	56.1	58.8		57.5	4	0	0	1	100	100		100	39	4-May
BECK EX 6812	89			89	54.0			54.0	23	0	0	8	100			100	43	2-May
AGRIPRO GIBSON	89			89	55.9			55.9	3	0	0	1	100			100	39	1-May
CROP GEN SR218	88			88	56.9			56.9	0	0	0	0	100			100	43	6-May
BL93O390	88			88	53.2			53.2	13	0	0	4	100			100	38	4-May
AR 494B-2-2	87			87	55.5			55.5	13	0	0	4	100			100	42	2-May
KAS REVERE	87	80		83	54.6	55.9		55.3	0	0	0	0	100	100		100	40	7-May
STINE 422X	86			86	53.4			53.4	16	0	0	5	100			100	41	1-May
25R26	85	87	56	76	51.4	57.1	47.3	51.9	3	0	5	3	100	100	100	100	38	4-May
GOLDFIELD	84			84	56.3			56.3	0	0	0	0	100			100	46	6-May
KY90C-292-16.	83			83	52.3			52.3	23	0	0	8	100			100	39	2-May
COKER 9474	83	85	55	74	56.1	60.5	55.2	57.3	0	0	1	0	100	100	100	100	40	1-May
MEAN	93	87	53	78	55.2	57.4	50.2	54.3	7	2	4	4	100	100	100	100	40	

CV = 9.1
LSD(0.05) = 9.9
* LOCATION: McLean County

TABLE 6 WHEAT PERFORMANCE TRIALS FOR BLUEGRASS REGION*, 1998-2000

VARIETY	YIELD (BU/AC) 2000	1999	1998	MEAN	TEST WT (LB/BU) 2000	1999	1998	MEAN	PCT LODGED 2000	1999	1998	MEAN	PCT SURVIVAL 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
25W33	108			108	54.5			54.5	0	0	0	0	100			100	36	7-May
SS 535	108	74		91	58.2	61.6		59.9	15	0	0	5	100	100		100	33	7-May
25W60	107			107	56.2			56.2	3	0	0	1	100			100	39	6-May
KY90C-054-6.	105			105	55.7			55.7	0	0	0	0	100			100	39	8-May
VA96W-270	105			105	57.7			57.7	0	0	0	0	100			100	37	3-May
USG 3209	104	85	48	79	55.6	61.3	46.4	54.4	15	0	55	23	100	100	100	100	34	5-May
VA96W-250	103			103	57.2			57.2	14	0	0	5	100			100	35	3-May
KY90C-292-4-1	103			103	56.6			56.6	10	0	0	3	100			100	37	5-May
KAS INDEPENDENCE	102	69		85	54.5	59.7		57.1	0	0	0	0	100	100		100	36	6-May
2552	102	87	75	88	59.0	61.7	56.9	59.2	0	0	0	0	100	100	100	100	37	6-May
VA96W-247	102			102	56.3			56.3	20	0	0	7	100			100	34	6-May
VA96W-158	101			101	55.6			55.6	30	0	0	10	100			100	38	1-May
KY90C-292-16.	101			101	57.6			57.6	10	0	0	3	100			100	36	5-May
KAS PATRIOT	99	69	54	74	55.3	60.0	49.4	54.9	35	0	0	12	100	100	100	100	36	6-May
SS 555	99	71	49	73	55.6	60.5	43.2	53.1	0	0	13	4	100	100	100	100	35	7-May
KY90C-048-59.	99			99	56.5			56.5	0	0	0	0	100			100	37	6-May
MADISON	98	74	57	76	54.8	59.7	48.6	54.4	3	0	3	2	100	100	100	100	39	4-May
BECK EX 6812	96			96	55.4			55.4	35	0	0	12	100			100	37	6-May
BECK 101	94			94	56.6			56.6	8	0	0	3	100			100	36	4-May
PATTERSON	94	73	56	74	56.9	60.6	51.0	56.2	0	0	0	0	100	100	100	100	39	5-May
KY91C-117-32.	94			94	56.2			56.2	0	0	0	0	100			100	37	6-May
SS 566	93	63		78	58.0	59.2		58.6	1	0	0	0	100	100		100	37	8-May
AGRIPRO FOSTER	92	74	56	74	57.3	59.1	50.4	55.6	0	0	0	0	100	100	100	100	36	8-May
KASKASKIA	92	74		83	58.4	59.3		58.9	5	0	0	2	100	100		100	39	8-May
ROANE	92	75	56	74	58.0	62.2	57.4	59.2	24	0	11	12	100	100	100	100	34	6-May
SS 558	92	68	52	70	58.3	60.2	53.3	57.3	0	0	0	0	100	100	100	100	39	7-May
STINE 455	92	78		85	55.5	59.0		57.3	43	0	0	14	100	100		100	38	7-May
2568	91	85	61	79	55.6	61.0	50.5	55.7	5	0	0	2	100	100	100	100	36	5-May
CROP GEN SR218	91			91	57.0			57.0	0	0	0	0	100			100	36	9-May
25R26	91	76	63	77	55.0	58.7	50.2	54.6	1	0	0	0	100	100	100	100	34	8-May
AR 494B-2-2	90			90	56.4			56.4	14	0	0	5	100			100	39	7-May
USG 3709	90			90	54.2			54.2	25	0	0	8	100			100	38	6-May
AGRIPRO ELKHART	89	71	54	71	58.3	60.4	55.1	57.9	0	0	0	0	100	100	100	100	37	8-May
AGRIPRO PATTON	89	80	65	78	57.6	59.6	52.8	56.7	0	0	0	0	100	100	100	100	40	4-May
GOLDFIELD	89			89	57.9			57.9	0	0	0	0	100			100	41	9-May
CLARK	88	62	53	67	55.5	58.8	53.8	56.0	3	0	0	1	100	100	100	100	39	4-May
BECK 104	88			88	56.4			56.4	0	0	0	0	100			100	38	6-May
26R24	88			88	56.5			56.5	58	0	0	19	100			100	36	7-May
KAS REVERE	87	63		75	55.8	60.0		57.9	0	0	0	0	100	100		100	36	9-May
AGRIPRO MASON	87	75	55	72	55.8	60.0	53.4	56.4	4	0	19	8	100	100	100	100	38	2-May
BL930390	87			87	55.3			55.3	31	0	0	10	100			100	37	7-May
AGRIPRO GIBSON	85			85	58.5			58.5	24	0	0	8	100			100	34	4-May
25R18	85			85	57.1			57.1	0	0	0	0	100			100	35	8-May
CROP GEN SR211	84			84	54.2			54.2	50	0	0	17	100			100	34	7-May
COKER 9663	83	79	67	76	57.7	61.1	56.0	58.3	53	0	0	18	100	100	100	100	41	6-May
COKER 9474	78	74	58	70	59.2	63.0	57.4	59.9	0	0	3	1	100	100	100	100	36	5-May
STINE 422X	77			77	54.7			54.7	48	0	0	16	100			100	36	4-May
SS 522	75	74	51	66	57.8	60.4	50.2	56.1	55	0	0	18	100	100	100	100	35	4-May
MEAN	93	74	57	75	56.5	60.3	52.0	56.3	13	0	2	5	100	100	100	100	37	

CV = 9.6
LSD(0.05) = 10.4
* LOCATION: Lexington, Spindletop farm

TABLE 7 WHEAT PERFORMANCE TRIALS FOR WESTERN COAL FIELD REGION*, 1998-2000

VARIETY	YIELD (BU/AC) 2000	1999	1998	MEAN	TEST WT (LB/BU) 2000	1999	1998	MEAN	PCT LODGED 2000	1999	1998	MEAN	PCT SURVIVAL 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
25R18	77			77	56.8			56.8	0	0	0	0	100			100	38	3-May
2552	77	95	44	72	57.1	58.2	52.3	55.9	0	0	3	1	100	100	100	100	38	2-May
AGRIPRO PATTON	77	89	34	67	52.7	53.9	49.9	52.2	8	0	0	3	100	100	100	100	41	29-Apr
VA96W-270	74			74	53.1			53.1	5	0	0	2	100			100	38	28-Apr
KY90C-048-59.	73			73	55.0			55.0	3	0	0	1	100			100	40	30-Apr
GOLDFIELD	73			73	57.9			57.9	0	0	0	0	100			100	45	5-May
KAS REVERE	72	86		79	52.7	57.1		54.9	0	0	0	0	100	100		100	40	5-May
KY90C-292-4-1	71			71	56.6			56.6	0	0	0	0	100			100	38	29-Apr
VA96W-158	71			71	56.6			56.6	13	0	0	4	100			100	39	26-Apr
KAS INDEPENDENCE	70	76		73	57.5	58.0		57.8	0	0	0	0	100	100		100	37	1-May
CLARK	70	68	30	56	55.8	54.5	52.2	54.2	0	0	0	0	100	100	100	100	40	29-Apr
SS 555	69	87	21	59	50.4	55.4	47.0	50.9	1	0	0	0	100	100	100	100	37	1-May
AGRIPRO MASON	67	88	29	62	52.2	55.0	50.9	52.7	0	0	0	0	100	100	100	100	39	27-Apr
AGRIPRO ELKHART	67	91	47	68	56.1	58.1	55.1	56.4	0	0	0	0	100	100	100	100	41	1-May
25W33	66			66	50.8			50.8	3	0	0	1	100			100	37	2-May
PATTERSON	65	78	36	59	57.6	56.2	51.2	55.0	0	0	0	0	100	100	100	100	39	30-Apr
25W60	65			65	53.1			53.1	31	0	0	10	100			100	40	30-Apr
AGRIPRO GIBSON	65			65	54.2			54.2	8	0	0	3	100			100	36	30-Apr
KY90C-292-16.	64			64	56.5			56.5	3	0	0	1	100			100	38	30-Apr
ROANE	63	95	46	68	57.6	59.5	55.5	57.5	13	0	0	4	100	100	100	100	35	2-May
MADISON	61	90	34	62	53.0	55.5	51.5	53.3	13	3	0	5	100	100	100	100	38	29-Apr
COKER 9474	60	82	43	62	58.1	60.3	56.0	58.1	0	0	0	0	100	100	100	100	37	1-May
KY91C-117-32.	60			60	49.7			49.7	14	0	0	5	100			100	39	2-May
VA96W-247	60			60	52.7			52.7	11	0	0	4	100			100	36	2-May
BECK 104	60			60	51.6			51.6	0	0	0	0	100			100	43	1-May
SS 535	59	81		70	55.9	56.7		56.3	23	9	0	10	100	100		100	36	2-May
SS 558	59	87	32	59	53.2	57.9	52.5	54.5	10	0	0	3	100	100	100	100	42	3-May
CROP GEN SR211	58			58	54.6			54.6	10	0	0	3	100			100	39	2-May
KY90C-054-6.	58			58	53.4			53.4	30	0	0	10	100			100	41	2-May
CROP GEN SR218	58			58	54.7			54.7	0	0	0	0	100			100	41	5-May
AGRIPRO FOSTER	57	84	29	57	53.1	56.1	48.9	52.7	0	0	0	0	100	100	100	100	38	3-May
COKER 9663	57	104	44	68	52.8	58.5	56.2	55.8	51	6	3	20	100	100	100	100	40	1-May
VA96W-250	57			57	53.8			53.8	19	0	0	6	100			100	35	29-Apr
BECK EX 6812	57			57	53.4			53.4	55	0	0	18	100			100	39	2-May
BECK 101	56			56	52.8			52.8	19	0	0	6	100			100	38	29-Apr
STINE 455	56	92		74	53.3	52.2		52.8	40	0	0	13	100	100		100	40	2-May
USG 3209	55	91	25	57	52.0	56.3	49.7	52.7	20	0	0	7	100	100	100	100	33	29-Apr
KASKASKIA	55	88		72	58.1	60.0		59.1	19	0	0	6	100	100		100	41	4-May
KAS PATRIOT	54	94	37	62	56.0	55.1	48.4	53.2	14	0	0	5	100	100	100	100	37	2-May
USG 3709	53			53	52.0			52.0	20	0	0	7	100			100	40	30-Apr
STINE 422X	52			52	53.7			53.7	30	0	0	10	100			100	37	28-Apr
SS 522	51	85	31	56	53.9	58.4	52.7	55.0	44	0	0	15	100	100	100	100	35	1-May
2568	50	89	38	59	53.0	55.3	48.5	52.3	11	6	0	6	100	100	100	100	37	29-Apr
25R26	49	92	39	60	48.3	54.8	47.9	50.3	13	6	0	6	100	100	100	100	37	3-May
AR 494B-2-2	49			49	50.8			50.8	28	0	0	9	100			100	39	3-May
BL930390	48			48	49.5			49.5	56	0	0	19	100			100	37	4-May
26R24	42			42	50.4			50.4	43	0	0	14	100			100	37	2-May
SS 566	40	83		61	49.9	56.3		53.1	20	0	0	7	100	100		100	38	5-May
MEAN	61	87	35	61	53.8	56.6	51.5	54.0	14	1	0	5	100	100	99	100	38	

CV = 11.4
LSD (0.05) = 7.9
*Locations: Princeton, Limestone Soil

TABLE 7a WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION*, 1998-2000

VARIETY	---YIELD (BU/AC)---				--TEST WT (LB/BU)--				----PCT LODGED-----				---PCT SURVIVAL----				PLANT HEIGHT (IN)	HEADING DATE
	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	2000
2552	84	99	41	74	58.6	61.0	54.0	57.9	3	0	3	2	100	100	100	100	40	30-Apr
KY91C-117-32.	84			84	52.8			52.8	8	0	0	3	100			100	41	30-Apr
AGRIPRO PATTON	80	91	53	75	56.8	60.1	51.0	56.0	36	3	23	20	100	100	100	100	43	28-Apr
KY90C-292-16.	80			80	58.5			58.5	28	0	0	9	100			100	39	28-Apr
25W33	79			79	55.0			55.0	0	0	0	0	100			100	38	30-Apr
SS 558	79	98	43	73	56.4	60.7	53.4	56.8	3	0	0	1	100	100	100	100	42	30-Apr
KY90C-054-6.	79			79	53.1			53.1	14	0	0	5	100			100	42	30-Apr
25W60	78			78	58.8			58.8	31	0	0	10	100			100	41	29-Apr
KY90C-292-4-1	77			77	56.8			56.8	33	0	0	11	100			100	38	28-Apr
STINE 455	75	99		87	54.0	57.1		55.6	71	48	0	40	100	100		100	41	28-Apr
AGRIPRO FOSTER	75	102	36	71	56.0	59.3	51.5	55.6	0	0	1	0	100	100	100	100	41	30-Apr
USG 3709	74			74	56.6			56.6	34	0	0	11	100			100	42	28-Apr
VA96W-158	74			74	59.8			59.8	5	0	0	2	100			100	40	23-Apr
CLARK	74	85	36	65	56.2	60.2	46.4	54.3	0	0	31	10	100	100	100	100	40	27-Apr
KY90C-048-59.	74			74	57.3			57.3	4	0	0	1	100			100	42	29-Apr
VA96W-247	74			74	57.4			57.4	9	0	0	3	100			100	36	28-Apr
KAS REVERE	74	93		83	56.4	60.1		58.3	0	0	0	0	100	100		100	40	2-May
CROP GEN SR218	72			72	56.4			56.4	1	0	0	0	100			100	43	2-May
ROANE	71	94	45	70	58.1	61.6	51.6	57.1	35	0	64	33	100	100	100	100	36	1-May
BECK 104	71			71	54.7			54.7	24	0	0	8	100			100	43	29-Apr
BECK 101	71			71	56.5			56.5	0	0	0	0	100			100	39	27-Apr
MADISON	71	94	34	66	52.8	59.4	48.2	53.5	21	15	46	28	100	100	100	100	40	25-Apr
SS 535	70	94		82	57.0	61.5		59.3	4	13	0	5	100	100		100	35	29-Apr
AGRIPRO GIBSON	70			70	58.5			58.5	1	0	0	0	100			100	38	29-Apr
SS 555	70	88	27	61	49.3	58.5	46.6	51.5	9	0	0	3	100	100	100	100	41	1-May
2568	70	111	46	75	57.1	59.7	51.3	56.0	25	0	5	10	100	100	100	100	41	28-Apr
KAS INDEPENDENCE	70	93		81	52.2	59.6		55.9	31	0	0	10	100	100		100	38	28-Apr
GOLDFIELD	70			70	54.0			54.0	15	0	0	5	100			100	46	3-May
VA96W-250	68			68	58.9			58.9	1	0	0	0	100			100	36	26-Apr
BECK EX 6812	68			68	53.1			53.1	90	0	0	30	100			100	41	28-Apr
AR 494B-2-2	66			66	56.6			56.6	59	0	0	20	100			100	40	29-Apr
KAS PATRIOT	66	92	40	66	53.1	59.3	48.8	53.7	53	30	10	31	100	100	100	100	39	29-Apr
COKER 9474	66	83	44	64	56.9	60.9	55.1	57.6	0	0	5	2	100	100	100	100	37	28-Apr
KASKASKIA	66	89		77	56.0	60.7		58.4	14	0	0	5	100	100		100	43	2-May
CROP GEN SR211	65			65	55.0			55.0	55	0	0	18	100			100	39	1-May
25R18	65			65	57.1			57.1	0	0	0	0	100			100	37	3-May
PATTERSON	65	94	44	67	55.0	60.4	50.9	55.4	33	0	3	12	100	100	100	100	44	30-Apr
USG 3209	64	94	36	65	53.5	60.0	49.1	54.2	35	30	23	29	100	100	100	100	35	25-Apr
26R24	63			63	56.3			56.3	29	0	0	10	100			100	38	27-Apr
VA96W-270	63			63	57.3			57.3	3	0	0	1	100			100	38	24-Apr
AGRIPRO MASON	61	93	44	66	52.8	58.9	54.0	55.2	1	20	0	7	100	100	100	100	38	23-Apr
COKER 9663	60	95	48	68	58.1	60.1	54.5	57.6	51	38	10	33	100	100	100	100	40	26-Apr
AGRIPRO ELKHART	59	93	43	65	57.1	61.2	56.2	58.2	51	5	0	19	100	100	100	100	43	28-Apr
25R26	59	101	40	67	49.1	57.7	51.3	52.7	9	3	23	11	100	100	100	100	39	2-May
STINE 422X	58			58	54.4			54.4	14	0	0	5	100			100	39	25-Apr
SS 566	56	86		71	52.6	60.0		56.3	65	0	0	22	100	100		100	40	30-Apr
BL930390	55			55	43.7			43.7	66	0	0	22	100			100	39	3-May
SS 522	55	92	36	61	53.7	60.1	51.6	55.1	63	43	10	38	100	100	100	100	37	28-Apr
MEAN	69	94	41	68	55.4	59.9	51.4	55.6	24	5	5	11	100	100	100	100	40	

CV = 9.7
LSD (0.05) = 7.8
*Location: Logan County

TABLE 7b WHEAT PERFORMANCE TRIALS FOR SOUTHERN TIER REGION*, 1997-2000

VARIETY	---YIELD (BU/AC)---				--TEST WT (LB/BU)--				----PCT LODGED-----				---PCT SURVIVAL----				PLANT HEIGHT (IN)	HEADING DATE
	2000	1999	1997	MEAN	2000	1999	1997	MEAN	2000	1999	1997	MEAN	2000	1999	1997	MEAN	2000	2000
SS 555	107	67	47	73	57.6	52.5	48.5	52.9	3	0	0	1	100	100	100	100	38	30-Apr
SS 558	104	76	63	81	58.1	56.7	56.1	57.0	0	0	0	0	100	100	100	100	42	1-May
VA96W-270	103			103	59.0			59.0	0	0	0	0	100			100	37	25-Apr
VA96W-247	103			103	53.7			53.7	49	0	0	16	100			100	36	30-Apr
KAS REVERE	102	70		86	54.8	56.0		55.4	0	0	0	0	100	100		100	40	3-May
VA96W-158	101			101	58.3			58.3	19	0	0	6	100			100	40	22-Apr
COKER 9663	100	80	75	85	60.1	57.4	57.7	58.4	26	0	3	10	100	100	100	100	40	26-Apr
25W60	100			100	57.7			57.7	0	0	0	0	100			100	39	28-Apr
USG 3209	99	91		95	60.3	58.0		59.2	10	0	0	3	100	100		100	34	27-Apr
CROP GEN SR218	99			99	58.9			58.9	9	0	0	3	100			100	40	3-May
BECK 104	97			97	57.7			57.7	6	0	0	2	100			100	41	29-Apr
SS 535	97	75		86	59.1	55.5		57.3	15	0	0	5	100	100		100	35	1-May
KY91C-117-32.	95			95	55.2			55.2	51	0	0	17	100			100	39	30-Apr
KY90C-292-4-1	95			95	57.4			57.4	15	0	0	5	100			100	37	28-Apr
VA96W-250	94			94	54.8			54.8	25	0	0	8	100			100	33	27-Apr
MADISON	94	82	59	78	56.8	56.8	52.5	55.4	0	0	4	1	100	100	100	100	38	25-Apr
AGRIPRO PATTON	94	79		86	59.1	54.2		56.7	18	0	0	6	100	100		100	41	28-Apr
AGRIPRO FOSTER	94	73	67	78	56.1	53.2	56.5	55.3	6	0	0	2	100	100	100	100	38	1-May
ROANE	94	80		87	59.5	59.1		59.3	40	0	0	13	100	100		100	35	1-May
USG 3709	93			93	56.9			56.9	25	0	0	8	100			100	41	27-Apr
2552	93	84	74	84	57.4	57.6	59.4	58.1	18	0	0	6	100	100	100	100	39	1-May
PATTERSON	92	72	69	78	60.2	56.0	57.0	57.7	33	0	0	11	100	100	100	100	40	29-Apr
KY90C-048-59.	92			92	55.3			55.3	11	0	0	4	100			100	40	29-Apr
CLARK	92	60	58	70	58.7	56.4	52.5	55.9	20	0	0	7	100	100	100	100	41	27-Apr
AGRIPRO ELKHART	91	70	71	77	59.9	55.4	58.4	57.9	11	0	0	4	100	100	100	100	42	28-Apr
KAS PATRIOT	91	77	66	78	57.2	55.4	52.8	55.1	44	0	0	15	100	100	100	100	37	30-Apr
25W33	91			91	54.1			54.1	5	0	0	2	100			100	37	1-May
BECK 101	90			90	58.8			58.8	33	0	0	11	100			100	39	27-Apr
KY90C-054-6.	90			90	53.9			53.9	34	0	0	11	100			100	41	30-Apr
AGRIPRO GIBSON	90			90	59.4			59.4	0	0	0	0	100			100	36	29-Apr
CROP GEN SR211	89			89	56.1			56.1	41	0	0	14	100			100	37	2-May
AGRIPRO MASON	89	84		86	58.1	56.2		57.2	0	0	0	0	100	100		100	38	24-Apr
SS 566	89	79		84	56.0	56.2		56.1	8	0	0	3	100	100		100	38	2-May
2568	88	79	64	77	59.6	54.8	52.9	55.8	11	0	0	4	100	100	100	100	38	28-Apr
KY90C-292-16.	87			87	58.1			58.1	6	0	0	2	100			100	38	28-Apr
KAS INDEPENDENCE	87	70		79	57.4	53.9		55.7	24	0	0	8	100	100		100	36	28-Apr
GOLDFIELD	87			87	58.0			58.0	14	0	0	5	100			100	44	3-May
BECK EX 6812	87			87	56.6			56.6	35	0	0	12	100			100	39	29-Apr
COKER 9474	85	64		75	59.5	57.2		58.4	8	0	0	3	100	100		100	36	29-Apr
STINE 455	84	72		78	55.8	53.1		54.5	31	0	0	10	100	100		100	40	29-Apr
KASKASKIA	82	72		77	61.1	58.9		60.0	43	0	0	14	100	100		100	41	2-May
AR 494B-2-2	82			82	56.4			56.4	28	0	0	9	100			100	39	29-Apr
25R18	82			82	58.2			58.2	0	0	0	0	100			100	35	3-May
STINE 422X	81			81	57.5			57.5	0	0	0	0	100			100	37	25-Apr
26R24	79			79	59.3			59.3	59	0	0	20	100			100	37	30-Apr
BL930390	77			77	56.4			56.4	21	0	0	7	100			100	35	2-May
SS 522	77	74		75	59.7	56.5		58.1	60	0	0	20	100	100		100	35	29-Apr
25R26	67	85	68	73	51.8	53.0	54.3	53.0	6	0	0	2	100	100	100	100	37	2-May
MEAN	91	76	65	77	57.5	55.8	54.9	56.1	19	0	0	6	100	100	100	100	38	

CV = 10.0
LSD (0.05) = 10.6
*Location: Warren County

TABLE 8 WHEAT PERFORMANCE TRIALS FOR NORTH CENTRAL REGION*, 1998-2000

VARIETY	YIELD (BU/AC) 2000	1999	1998	MEAN	TEST WT (LB/BU) 2000	1999	1998	MEAN	PCT LODGED 2000	1999	1998	MEAN	PCT SURVIVAL 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000
25W33	117			117	52.6			52.6	1	0	0	0	100			100	37
25W60	111			111	54.7			54.7	0	0	0	0	100			100	39
KAS INDEPENDENCE	110	73		92	54.9	59.2		57.1	0	8	0	3	100	100		100	36
SS 535	107	87		97	58.0	62.1		60.1	23	0	0	8	100	100		100	34
STINE 455	105	85		95	54.5	60.4		57.5	26	0	0	9	100	100		100	39
KAS REVERE	103	80		91	56.6	60.9		58.8	0	0	0	0	100	100		100	36
BECK 101	102			102	56.6			56.6	8	0	0	3	100			100	37
KY90C-292-4-1	102			102	56.2			56.2	0	0	0	0	100			100	38
KY90C-054-6.	101			101	54.9			54.9	6	0	0	2	100			100	42
BECK 104	100			100	56.3			56.3	16	0	0	5	100			100	41
SS 555	99	81	42	74	55.2	58.8	42.5	52.2	0	0	23	8	100	100	100	100	36
KY91C-117-32.	98			98	55.7			55.7	6	0	0	2	100			100	37
2552	98	98	65	87	58.9	62.6	57.5	59.7	14	0	15	10	100	100	100	100	38
KY90C-048-59.	97			97	56.3			56.3	1	0	0	0	100			100	38
CROP GEN SR218	97			97	58.0			58.0	4	0	0	1	100			100	38
ROANE	96	82	49	76	57.4	61.5	55.4	58.1	33	0	71	35	100	100	100	100	34
VA96W-158	96			96	55.9			55.9	3	0	0	1	100			100	38
SS 566	94	76		85	55.4	59.7		57.6	0	0	0	0	100	100		100	37
MADISON	94	79	48	73	53.8	58.6	47.2	53.2	23	0	36	20	100	100	100	100	38
USG 3209	93	91	39	74	56.8	59.9	49.9	55.5	0	0	80	27	100	100	100	100	33
VA96W-247	93			93	56.4			56.4	6	0	0	2	100			100	35
AGRIPRO GIBSON	93			93	57.3			57.3	3	0	0	1	100			100	34
SS 558	93	75	45	71	58.5	60.6	51.0	56.7	1	0	18	6	100	100	100	100	39
AR 494B-2-2	92			92	57.6			57.6	3	0	0	1	100			100	39
BECK EX 6812	92			92	54.8			54.8	33	0	0	11	100			100	39
VA96W-270	91			91	56.8			56.8	0	0	0	0	100			100	36
2568	89	91	52	77	54.0	61.8	43.6	53.1	23	0	29	17	100	100	100	100	36
KY90C-292-16.	89			89	54.4			54.4	0	0	0	0	100			100	35
AGRIPRO FOSTER	89	80	43	70	56.0	60.9	52.1	56.3	0	0	6	2	100	100	100	100	38
26R24	88			88	55.9			55.9	40	0	0	13	100			100	36
KAS PATRIOT	88	66	46	67	55.3	59.5	49.0	54.6	19	1	50	23	100	100	100	100	36
AGRIPRO PATTON	88	95	62	82	57.5	61.3	54.0	57.6	20	10	10	13	100	100	100	100	41
GOLDFIELD	87			87	59.0			59.0	3	0	0	1	100			100	41
KASKASKIA	87	78		82	57.9	61.5		59.7	18	0	0	6	100	100		100	40
25R26	86	89	57	77	53.0	60.2	49.9	54.4	19	0	13	10	100	100	100	100	34
CROP GEN SR211	86			86	55.3			55.3	53	0	0	18	100			100	37
25R18	85			85	57.6			57.6	21	0	0	7	100			100	34
VA96W-250	83			83	55.2			55.2	18	0	0	6	100			100	34
BL930390	83			83	52.9			52.9	46	0	0	15	100			100	35
COKER 9474	81	70	46	66	57.5	63.3	55.0	58.6	21	0	65	29	100	100	100	100	35
CLARK	81	76	48	68	53.0	58.5	50.1	53.9	0	3	21	8	100	100	100	100	39
AGRIPRO MASON	80	87	53	73	56.3	60.9	54.3	57.2	3	0	35	13	100	100	100	100	37
STINE 422X	79			79	54.8			54.8	18	0	0	6	100			100	39
PATTERSON	77	76	48	67	57.7	60.0	49.7	55.8	0	0	33	11	100	100	100	100	35
USG 3709	77			77	54.5			54.5	3	0	0	1	100			100	37
AGRIPRO ELKHART	76	79	46	67	59.0	61.9	54.7	58.5	1	1	18	7	100	100	100	100	38
SS 522	74	76	46	65	58.1	61.9	52.0	57.3	75	18	84	59	100	100	100	100	35
COKER 9663	74	83	52	70	54.2	62.2	55.1	57.2	68	4	80	50	100	100	100	100	41
MEAN	92	81	49	74	56.0	60.8	51.3	56.0	14	1	14	10	100	100	100	100	37

CV = 14.3
LSD(0.05) = 15.2
* LOCATION: Shelby County

Table 9 WHEAT PERFORMANCE TRIALS FOR NO-TILL SOUTHERN TIER*, 1998-2000

	YIELD(BU/A)				TEST WT (LB/BU)				PCT LODGED				SURVIVAL				HEIGHT(IN)	HEADING
VARIETY	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	DATE(2000)
STINE 455	123	84	-	99	58.7	55.1	-	56.9	0	0	-	0	100	100	-	100	39	22-Apr
25W33	122	-	-	122	58.7	-	-	58.7	0	-	-	0	100	-	-	100	40	27-Apr
BECK 104	118	-	-	116	59.6	-	-	59.6	0	-	-	0	100	-	-	100	38	24-Apr
SS 558	116	77	28	74	59.7	57.2	51.2	56.0	0	0	4	1	100	100	100	100	40	26-Apr
VA96W-158	116	-	-	116	58.2	-	-	58.2	0	-	-	0	100	-	-	100	38	19-Apr
ROANE	116	97		116	62.2	58.4	-	60.3	0	0	-	0	100	100	-	100	38	27-Apr
25R18	114	-	-	114	60.1	-	-	60.1	0	-	-	0	100	-	-	100	36	29-Apr
BECK EX 6812	114	-	-	114	58.2	-	-	58.2	0	-	-	1	100	-	-	100	40	22-Apr
USG 3209	113	81	-	97	59.5	55.7	-	57.6	0	0	-	0	100	100	-	100	38	20-Apr
AGRIPRO FOSTER	112	82	27	74	58.6	55.7	48.1	54.1	0	0	4	1	100	100	100	100	41	25-Apr
SS 555	112	96	89	92	58.0	55.8	43.3	52.4	0	0	0	0	100	100	100	100	40	27-Apr
VA96W-247	111	-	-	111	58.7	-	-	58.7	0	-	-	0	100	-	-	100	38	23-Apr
AGRIPRO PATTON	111	81	36	76	59.3	55.8	51.3	55.5	0	0	0	0	100	100	100	100	40	22-Apr
CROP GEN SR218	110	-	-	110	58.8	-	-	58.8	0	-	-	0	100	-	-	100	41	29-Apr
VA96W-250	110	-	-	110	59.0	-	-	59.0	0	-	-	0	100	-	-	100	39	20-Apr
VA96W-270	109	-	-	109	60.8	-	-	60.8	0	-	-	0	100	-	-	100	39	21-Apr
COKER 9663	109	87	47	81	59.3	58.2	56	57.8	0	6	21	9	100	100	100	100	40	21-Apr
25R26	109	79	29	72	58.5	55.5	48.7	54.2	0	3	27	10	100	100	100	100	39	28-Apr
SS 566	108	63	-	86	59.4	54.9	-	57.2	0	0	-	0	100	100	-	100	41	25-Apr
26R24	107	-	-	107	60.6	-	-	60.6	0	-	-	0	100	-	-	100	40	22-Apr
AGRIPRO ELKHART	107	85	35	76	60.3	59.4	53.1	57.6	0	0	0	0	100	100	100	100	44	23-Apr
CROP GEN SR211	106	-	-	106	58.9	-	-	58.9	0	-	-	0	100	-	-	100	39	24-Apr
MADISON	106	78	31	72	58.0	54.5	49.5	54.0	0	0	45	16	100	100	100	100	39	21-Apr
STINE 422X	106	-	-	106	58.5	-	-	58.5	0	-	-	0	100	-	-	100	39	20-Apr
KASKASKIA	106	84	-	95	61.9	59.7	-	60.8	0	0	-	0	100	100	-	100	41	28-Apr
BECK 101	105	-	-	105	58.5	-	-	58.5	0	-	-	0	100	-	-	100	41	22-Apr
PATTERSON	105	70	29	68	60.0	57.3	50.7	56.0	0	0	1	0	100	100	100	100	40	23-Apr
KAS PATRIOT	105	90	31	75	59.7	56.1	52.8	56.2	0	0	11	4	100	100	100	100	39	24-Apr
SS 522	104	74	32	70	61.4	56.9	52.7	57.0	0	0	12	4	100	100	100	100	40	22-Apr
SS 535	102	82	-	92	61.1	56.6	-	58.9	0	0	-	0	100	100	-	100	38	24-Apr
AGRIPRO MASON	102	80	40	74	59.7	56.4	52	56.0	0	0	0	0	100	100	100	100	41	19-Apr
2568	102	77	35	71	59.4	55.4	51.1	55.3	0	1	0	0	100	100	100	100	38	24-Apr
AGRIPRO GIBSON	101	-	-	101	59.2	-	-	59.2	0	-	-	0	100	-	-	100	41	23-Apr
2552	101	97	41	80	60.6	59.1	55.5	58.4	0	0	0	0	100	100	100	100	42	27-Apr
AR 494B-2-2	100	-	-	100	59.2	-	-	59.2	0	-	-	0	100	-	-	100	41	23-Apr
BL930390	99	-	-	99	58.3	-	-	58.3	0	-	-	1	100	-	-	100	40	27-Apr
KAS INDEPENDENCE	99	70	-	86	58.6	57.6	-	58.1	0	0	-	0	100	100	-	100	42	25-Apr
USG 3709	97	-	-	97	58.8	-	-	58.8	0	-	-	0	100	-	-	100	39	23-May
KAS REVERE	97	-	-	97	59.5	57.3	-	58.4	0	0	-	0	100	100	-	100	42	1-May
GOLDFIELD	95	-	-	95	59.6	-	-	59.6	0	-	-	1	100	-	-	100	43	2-May
COKER 9474	94	75	40	70	59.8	59.2	56	58.3	0	0	0	0	100	100	100	100	41	24-Apr
CLARK	94	61	25	60	58.3	55.1	48.7	54.0	0	0	13	4	100	100	100	100	40	22-Apr
MEAN	107	80	31	92	59.4	56.8	51.3	57.7	0	0	3	1	100	100	100	100	39	

CV = 5.07
LSD(0.05) = 6.3
* LOCATION:Fulton County

TABLE 10 WHEAT PERFORMANCE TRIALS FOR NO-TILL NORTH CENTRAL*, 1998-2000

VARIETY	---YIELD (BU/AC)---				--TEST WT (LB/BU)--				----PCT LODGED-----				---PCT SURVIVAL----				PLANT HEIGHT (IN)
	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000	1999	1998	MEAN	2000
KAS INDEPENDENCE	112	78		95	55.0	57.6		56.3	3	4	0	2	100	100		100	34
AR 494B-2-2	103			103	55.1			55.1	3	0	0	1	100			100	37
STINE 455	103	88		95	52.8	57.6		55.2	0	43	0	14	100	100		100	36
25R18	103			103	56.3			56.3	1	0	0	0	100			100	33
25W33	103			103	51.9			51.9	1	0	0	0	100			100	34
ROANE	101	90		95	57.3	61.3		59.3	0	10	0	3	100	100		100	33
SS 558	99	80	50	76	56.6	58.3	56.6	57.2	0	8	0	3	100	100	100	100	37
AGRIPRO FOSTER	99	73	47	73	55.9	55.7	52.2	54.6	0	1	0	0	100	100	100	100	36
SS 555	98	83	48	76	52.9	57.6	53.0	54.5	0	3	0	1	100	100	100	100	34
2552	98	101	64	88	56.4	61.0	56.2	57.9	0	0	0	0	100	100	100	100	34
KAS REVERE	97	80		89	54.5	59.7		57.1	0	0	0	0	100	100		100	35
SS 566	95	79		87	53.2	58.4		55.8	3	1	0	1	100	100		100	36
GOLDFIELD	94			94	56.1			56.1	0	0	0	0	100			100	40
BECK 104	94			94	55.1			55.1	0	0	0	0	100			100	37
BL930390	93			93	53.1			53.1	4	0	0	1	100			100	34
AGRIPRO ELKHART	92	88	44	75	57.5	60.0	55.4	57.6	0	4	0	1	100	100	100	100	38
KAS PATRIOT	92	82	42	72	54.1	58.5	53.6	55.4	3	60	0	21	100	100	100	100	34
2568	92	90	56	79	54.0	58.8	50.1	54.3	0	0	0	0	100	100	100	100	30
KASKASKIA	92	84		88	56.2	58.2		57.2	0	10	0	3	100	100		100	37
BECK EX 6812	91			91	53.0			53.0	5	0	0	2	100			100	37
COKER 9663	91	94	57	81	54.1	61.1	56.4	57.2	13	46	0	20	100	100	100	100	36
AGRIPRO GIBSON	91			91	56.4			56.4	0	0	0	0	100			100	33
VA96W-158	91			91	54.4			54.4	3	0	0	1	100			100	35
USG 3209	90	94		92	55.3	58.3		56.8	9	45	0	18	100	100		100	32
MADISON	90	90	54	78	60.0	58.2	51.7	56.6	0	10	0	3	100	100	100	100	34
VA96W-270	89			89	55.2			55.2	0	0	0	0	100			100	34
STINE 422X	89			89	53.6			53.6	16	0	0	5	100			100	35
BECK 101	89			89	53.4			53.4	5	0	0	2	100			100	35
SS 535	89	89		89	55.7	60.2		58.0	0	30	0	10	100	100		100	34
CROP GEN SR218	88			88	55.4			55.4	0	0	0	0	100			100	36
VA96W-247	86			86	54.1			54.1	0	0	0	0	100			100	34
25R26	86	89	56	77	51.2	59.2	52.1	54.2	5	0	0	2	100	100	100	100	31
CLARK	86	82	41	69	54.8	57.5	52.1	54.8	0	14	0	5	100	100	100	100	36
PATTERSON	85	83	46	71	56.5	59.4	52.9	56.3	3	11	0	5	100	100	100	100	36
COKER 9474	85	80	41	69	56.1	61.6	57.7	58.5	1	0	0	0	100	100	100	100	34
CROP GEN SR211	85			85	54.7			54.7	1	0	0	0	100			100	35
AGRIPRO MASON	84	84	50	72	55.2	58.3	55.2	56.2	3	5	0	3	100	100	100	100	36
SS 522	80	75	42	66	54.9	61.1	56.9	57.6	0	30	0	10	100	100	100	100	32
USG 3709	79			79	53.8			53.8	0	0	0	0	100			100	34
26R24	76			76	55.2			55.2	3	0	0	1	100			100	33
AGRIPRO PATTON	76	100	59	78	56.6	59.4	55.4	57.1	23	3	0	8	100	100	100	100	37
VA96W-250	75			75	55.4			55.4	3	0	0	1	100			100	30
MEAN	91	86	50	75	55.0	59.0	54.2	56.1	3	8	0	4	100	100	100	100	35

CV = 11.7
LSD(0.05) = 12.3
* LOCATION: Shelby County

TABLE 11 DISEASE RATINGS OF WHEAT VARIETIES IN 2000

VARIETY	LEAF RUST	SPECKLED LEAF BLOTCH	GLUME BLOTCH	POWDERY MILDEW	VIRUS COMPLEX*	BYDV**
Agripro Elkhart	MR	VS	S	MS	MS	20
Agripro Foster	S	VS	S	MS	MR	30
Agripro Gibson	MR	S	S	MS	MR	--
Agripro Mason	R	S	S	MS	MS	30
Agripro Patton	MR	S	S	MS	MR	40
Beck 101	MR	VS	S	MS	MS	40
Beck 104	MR	VS	S	S	MR	--
Beck Ex 6812	MR	VS	S	MS	MR	--
BL 930390	R	VS	S	MS	MR	--
Clark	MR	VS	VS	S	MS	45
Coker 9474	R	VS	S	MS	MS	--
Coker 9663	R	VS	S	MS	MS	--
Crop Gen SR211	MR	S	S	MS	MR	--
Crop Gen SR218	S	S	S	MS	MR	--
Goldfield	R	MS	MS	MS	R	--
Kaskaskia	MR	VS	MS	MS	MS	30
KAS Independence	R	S	S	MS	R	20
KAS Patriot	MR	VS	S	MS	MR	30
KAS Revere	R	MS	MS	MS	R	30
Madison	MS	S	S	MS	MR	35
Patterson	MR	VS	S	S	R	40
2552	S	S	MS	MR	R	20
2568	MR	VS	S	S	MR	25
25R18	MS	S	MS	S	R	--
25R26	R	VS	S	S	R	35
25W33	MR	S	S	MS	R	--
25W60	MR	VS	S	MS	R	--
26R24	MR	VS	S	MR	MR	30
Roane	MS	S	S	R	MS	20
SS 522	MR	VS	S	MS	MS	30
SS 555	S	VS	S	MS	MR	40
SS 558	S	VS	S	MS	MS	40
SS 566	MR	VS	S	MR	MR	30
SS 535	MR	S	S	MR	MR	--
Stine 455	MR	VS	S	MS	MR	50
Stine 422X	MR	VS	S	MS	MR	--
USG 3209	MR	VS	S	MR	MR	20
USG 3709	MR	VS	S	MS	--	
AR 49413-2-2	MR	VS	S	MS	MR	--
VA96W-158	MR	VS	S	MR	MS	--
VA96W-247	S	VS	S	MR	MS	--
VA96W-250	S	VS	S	MR	MS	--
VA96W-270	MS	S	VS	MR	R	--
KY 90C-048-59	S	VS	MS	S	MR	--
KY 9C-054-6	MR	VS	MS	MS	MR	--
KY 90C-292-4-1	MS	VS	S	MS	R	--
KY 90C-292-16	MR	VS	S	MS	R	--
KY 91C-117-32	S	VS	MS	MS	R	--

* 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 an MS reaction will have an intermediate response.

** Both Wheat Spindle Streak Mosiac Virus and Wheat Streak Mosiac Virus were present. However, the Wheat Spindle Streak Mosiac Virus was the most predominant, and the ratings primarily reflect the varietal reactions to this virus.

*** Data are insufficient to indicate a specific barley yellow dwarf (BYD)reaction (i.e., VS, R, etc.), but varieties with the lowest percent BYD symptom expression are the most likely to perform acceptably if BYD is present. These ratings were taken in 1999.

TABLE 12 CHARACTERISTICS OF BARLEY VARIETIES TESTED IN 2000

VARIETY	PROTECTED	SOURCE	RELEASE DATE	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
STARLING	Yes	Virginia	1993	89.4	42.4	23.4	35.7	100.0	Apr 24
CALLAO	Yes	Virginia	1994	87.1	46.0	28.4	30.4	100.0	Apr 18
WYSOR	Yes	Virginia	1985	84.8	43.7	12.8	36.9	100.0	Apr 24
PAMUNKEY	Yes	Virginia	1993	77.6	46.8	10.0	35.1	100.0	Apr 19

MEAN = 84.7 BU/A
CV = 15.3
LSD(0.05) = 9.3

TABLE 13 BARLEY PERFORMANCE TRIALS FOR BLUEGRASS REGION*, 1998-2000

VARIETY	---YIELD (BU/AC)--- 2000	1999	1998	MEAN	--TEST WT (LB/BU)-- 2000	1999	1998	MEAN	----PCT LODGED----- 2000	1999	1998	MEAN	---PCT SURVIVAL---- 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
STARLING	92	119	80	97	42.5	46.3	36.2	41.7	30	0	88	39	100	100	100	100	36	May 2
WYSOR	85	122	66	91	42.8	47.9	44.1	44.9	31	3	90	41	100	100	100	100	39	May 2
CALLAO	62	108	37	69	45.7	49.3	41.4	45.5	40	71	84	65	100	100	100	100	32	Apr 23
PAMUNKEY	55	107	47	69	45.3	50.8	42.2	46.1	11	0	83	31	100	100	100	100	38	Apr 23
MEAN	73	114	57	82	44.1	48.6	41.0	44.5	28	18	86	44	100	100	100	100	36	

CV = 23.3
LSD(0.05) = 22.1
* LOCATION: Lexington, Spindletop farm

TABLE 14 BARLEY PERFORMANCE TRIALS FOR WESTERN COAL FIELD REGION*, 1998-2000

VARIETY	---YIELD (BU/AC)--- 2000	1999	1998	MEAN	--TEST WT (LB/BU)-- 2000	1999	1998	MEAN	----PCT LODGED----- 2000	1999	1998	MEAN	---PCT SURVIVAL---- 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
CALLAO	98	79	39	72	44.8	44.5	50.8	46.7	6	23	83	37	100	100	100	100	32	Apr 18
WYSOR	84	87	51	74	43.1	44.6	44.5	44.1	0	0	15	5	100	100	100	100	34	Apr 23
PAMUNKEY	80	102	59	80	47.1	48.6	49.1	48.3	0	8	28	12	100	100	100	100	33	Apr 21
STARLING	74	81	49	68	41.1	44.7	43.7	43.2	6	18	45	23	100	100	100	100	33	Apr 24
MEAN	84	87	50	74	44.0	45.6	47.0	45.6	2	7	24	11	100	100	100	100	33	

CV = 8.9
LSD(0.05) = 9.7
* LOCATION: Princeton, limestone soil

TABLE 14a BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION*, 1998-2000

VARIETY	---YIELD (BU/AC)--- 2000	1999	1998	MEAN	--TEST WT (LB/BU)-- 2000	1999	1998	MEAN	----PCT LODGED----- 2000	1999	1998	MEAN	---PCT SURVIVAL---- 2000	1999	1998	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
STARLING	66	123	62	84	44.7	44.0	43.1	43.9	0	20	21	14	100	100	100	100	33	Apr 19
CALLAO	61	107	59	75	48.9	48.1	42.2	46.4	0	19	80	33	100	100	100	100	27	Apr 17
WYSOR	55	115	52	74	46.2	44.2	45.4	45.3	0	0	4	1	100	100	100	100	34	Apr 21
PAMUNKEY	55	106	67	76	48.4	48.8	46.8	48.0	0	0	14	5	100	100	100	100	32	Apr 17
MEAN	59	112	60	77	47.1	46.3	44.4	45.9	0	10	30	13	100	100	100	100	31	

CV = 28.9
LSD(0.05) = 22.1
* LOCATION: Logan County

TABLE 14b BARLEY PERFORMANCE TRIALS FOR SOUTHERN TIER REGION*, 1997-2000

VARIETY	---YIELD (BU/AC)--- 2000	1999	1997	MEAN	--TEST WT (LB/BU)-- 2000	1999	1997	MEAN	----PCT LODGED----- 2000	1999	1997	MEAN	---PCT SURVIVAL---- 2000	1999	1997	MEAN	PLANT HEIGHT (IN) 2000	HEADING DATE 2000
CALLAO	127	99	40	89	44.6	45.0	44.6	44.7	68	89	85	80	100	100	100	100	32	Apr 15
STARLING	126	91	43	86	41.4	47.0	40.8	43.1	58	15	23	32	100	100	100	100	41	Apr 20
PAMUNKEY	121	96	71	96	46.4	49.9	42.9	46.4	29	0	30	20	100	100	100	100	39	Apr 15
WYSOR	115	105	35	85	42.5	46.0	39.9	42.8	20	0	40	20	100	100	100	100	41	Apr 20
MEAN	122	98	47	89	43.7	47.0	42.1	44.3	43	26	44	38	100	100	100	100	38	

CV = 5.2
LSD(0.05) = 8.2
* LOCATION: Warren County

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