



# 1992 Kentucky Small Grain Variety Trials

D.A. Van Sanford, C.R. Tutt,  
C.S. Swanson and W.L. Pearce

In 1992, Kentucky farmers harvested 22.7 million bushels of soft red winter wheat produced on 420,000 acres. The average yield of 54 bu/a was up 27 bu/a from 1991. Barley yields were up 11 bu/a from 1991 levels.

Small grain performance tests were conducted in six of the seven agroclimatic regions of Kentucky (Fig. 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 (Fig. 1) in the state.

Table 1—Small Grain Harvested Acreage and Yields in Kentucky, 1990-1992.\*

Crop	1992		1991		1990	
	Harvest 1000 A	Yield Bu/A	Harvest 1000 A	Yield Bu/A	Harvest 1000 A	Yield Bu/A
Wheat	420	54	400	27	500	40
Barley	16	66	22	55	17	60

\* July 1, 1992, Kentucky Crop and Livestock Reporting Service.  
NOTE: Oat and rye data no longer available.

Figure 1—Agro-climatic regions of Kentucky small grain variety trials.

Region	1992 Location	Cooperator	Crop Tested
1. Purchase	Murray	Bobby Wilson	Wheat
2. Western Coal Field	Princeton (Sandstone soil)	Research and Education Center	Barley, Wheat
3. Ohio Valley	Hawesville	Hagman Brothers	Wheat
4. Bluegrass	Lexington	Kentucky Agricultural Experiment Station	Barley, Wheat
5. Southern Tier	Elkton Princeton (Limestone soil)	Andy Gray Research and Education Center	Barley, Wheat Barley, Wheat
6. North Central	Bardstown	Frankie Blanford	Wheat

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## Experimental Methods

The plots were planted with a specially built multi-row cone seeder. Each plot consisted of six rows to form a plot 4 feet wide, which was later trimmed to 10 feet in length. Each variety was grown in four replications, and the data presented are the average response from the four replications of 40 square feet harvested with a small plot combine. Planting dates of all trials for the past 3 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 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 3-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 out-yields 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 down-graded because of a high percentage of lodging for a given year and 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% lodged does not imply that only 50% of the grain could be harvested. With good equipment, almost all of the grain can often be saved. 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 2—Region, Location, Preceding Crop and Planting Dates of Kentucky Small Grain Trials, 1990-1992.

Region	Location	Year	Preceding Crop		Planting Date		
			Crop	Crop	1992	1991	1990
Purchase	Bardwell	1990	Corn	Wheat	10/18	11/1	10/26
		1991	Corn				
	Murray	1992	Corn				
Western Coal Field	Princeton (Sandstone soil)		Fallow	Barley	10/22	11/1	10/27
				Wheat	10/22	11/1	10/27
Ohio Valley	Dixon	1990	Corn	Wheat	10/21	10/29	10/28
		1991	Corn				
	Hawesville	1992	Corn				
Bluegrass	Lexington		Fallow	Barley	10/14	10/16	10/13
				Wheat	10/16	10/16	10/13
Southern Tier	Bowling Green	1990	Corn	Barley	10/17	10/31	11/1
		1991	Corn	Wheat	10/17	10/31	11/1
	Elkton Princeton (Limestone soil)	1992	Corn				
			Fallow	Barley	10/24	11/2	10/27
			Wheat	10/24	11/2	10/27	
North Central	Brandenburg	1990	Corn	Wheat	10/16	10/30	10/30
		1991	Corn				
	Bardstown	1992	Corn				

## 1992 Test Conditions

Favorable weather in early October allowed timely seeding of much of Kentucky's small grain crops. Warm soils resulted in rapid emergence and good stands over much of the state. However, a sudden freeze on November 1 resulted in severe leaf damage, and in the central part of the state the wheat crop never recovered from this initial stress. Damage at the Lexington location was so severe that the wheat and barley trials were abandoned.

The winter was generally mild and wet, with few periods of further cold stress. Early spring conditions were cool, and disease pressure was almost nonexistent. Cloudy weather prevailed and eventually powdery mildew was abundant in the central part of the state. During the early stages of grain fill, the leaf blotch complex began to move rapidly up the plant, and this was followed by considerable glume blotch pressure. Leaf rust was observed in the western part of

Kentucky, but its progress was slowed by the cool weather. Cool conditions during grain fill also accounted for a long grain filling period, which contributed to the high yields and test weights observed in the western part of the state.

### **Small Grain Varieties for 1993**

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 the small grain varieties are summarized in Tables 3 and 11.

#### ***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 4-9.

#### ***Winter Barley Varieties***

Winter barleys are less winterhardy than winter wheat but more hardy than winter oats. The degree of winterhardiness, straw strength, and maturity are important characteristics when choosing a variety. Varietal performance data are presented in Tables 12-14A.

#### **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 which 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.

**Table 3—Characteristics of Wheat Varieties Tested in 1992.**

VARIETY	PROTECTED	SOURCE	RELEASE DATE	YIELD (BU/A)	TEST WEIGHT (LB/BU)	LOGGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
FFR 555W	YES	SOUTHERN STATES CO-OP	1990	61.0	53.0	5.2	33.9	72.5	07MAY92
2545	YES	PIONEER HI BRED INT	1991	59.9	53.7	0.0	35.2	77.1	06MAY92
MADISON	YES	VIRGINIA	1990	59.7	55.3	12.9	35.7	72.9	04MAY92
2510	YES	PIONEER HI BRED INT	1991	59.2	53.8	6.7	34.0	79.0	09MAY92
2548	YES	PIONEER HI BRED INT	1989	58.2	53.6	0.8	33.2	75.0	07MAY92
2555	YES	PIONEER HI BRED INT	1987	57.6	53.9	0.0	35.1	78.5	05MAY92
WAKEFIELD	YES	VIRGINIA	1990	56.8	53.0	6.9	37.3	69.0	10MAY92
CLARK	YES	INDIANA	1988	55.7	54.4	0.0	36.5	79.4	03MAY92
FFR 511W	YES	SOUTHERN STATES CO-OP	1991	54.8	53.9	0.4	34.7	74.2	04MAY92
VERNE	YES	KENTUCKY	1990	54.5	53.5	0.4	38.1	67.7	07MAY92
AGRIPRO SAWYER	YES	AGRIPRO BIOSCIENCES	1991	54.4	53.9	12.5	35.8	76.7	06MAY92
HOWELL	YES	ILLINOIS	1990	54.1	56.6	2.9	39.2	72.5	09MAY92
FFR 833	YES	NEW NORTHRUP KING	1984	52.9	54.0	17.7	37.5	75.0	11MAY92
FREEDOM	YES	OHIO	1991	52.6	52.0	0.0	35.6	67.1	08MAY92
BECKER	YES	OHIO	1985	51.7	51.3	0.4	33.0	73.8	08MAY92
COKER 9803	YES	NEW NORTHRUP KING	1990	50.7	56.5	3.8	31.7	64.6	05MAY92
CARDINAL	NO	VIRGINIA	1980	50.6	52.1	16.9	39.3	68.3	10MAY92
DYNASTY	YES	OHIO	1986	50.5	52.9	0.8	39.5	62.7	10MAY92
FFR 568W	YES	OHIO	1987	50.2	52.8	0.0	37.9	78.8	06MAY92
FFR 544W	YES	SOUTHERN STATES CO-OP	1990	50.2	53.8	9.0	37.1	73.8	09MAY92
AGRIPRO MALLARD	YES	SOUTHERN STATES CO-OP	1989	49.1	52.2	0.4	34.8	70.4	06MAY92
AGRIPRO MAGNUM	YES	AGRIPRO BIOSCIENCES	1990	48.2	52.6	0.0	33.6	65.2	06MAY92
COKER 9543	YES	AGRIPRO BIOSCIENCES	1983	48.1	54.1	8.5	34.6	71.5	06MAY92
EXCEL	YES	NEW NORTHRUP KING	1990	47.1	51.9	10.2	31.8	71.5	06MAY92
WHEELER	YES	OHIO	1990	46.7	47.4	0.0	35.5	72.9	04MAY92
CALDWELL	NO	VIRGINIA	1980	46.0	55.2	8.3	38.5	63.2	09MAY92
SALUDA	YES	INDIANA	1980	44.0	52.3	1.5	36.2	63.4	07MAY92
COKER 9024	NO	VIRGINIA	1983	43.3	52.2	0.4	31.7	57.8	09MAY92
DOUBLECROF	YES	NEW NORTHRUP KING	1990	43.0	52.7	0.4	38.5	57.9	09MAY92
ARTHUR	NO	ARKANSAS	1975	41.6	55.5	2.5	36.4	64.8	01MAY92
	NO	INDIANA	1968	40.3	55.3	4.4	38.1	58.7	06MAY92

MEAN = 51.0 BU/A  
 CV = 13.1%<sup>1</sup>  
 LSD(0.05) = 3.9 BU/A<sup>2</sup>

<sup>1</sup> The CV is a measure of experimental error. The lower the CV the more reliable the results.

<sup>2</sup> The LSD (Least Significant Difference) is the minimum difference required for two varieties to be significantly different from one another.

<sup>3</sup> "Unauthorized propagation prohibited". Seed of these varieties must be sold by variety name only as a class of certified seed. This includes varieties for which protection has been applied and those for which protection has been granted.

**Table 3a—Average Performance of Wheat Varieties Tested in 1991-1992.**

VARIETY	YIELD TEST WEIGHT (BU/A)	YIELD TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN)	SURVIVAL (%)	HEADING DATE
MADISON	45.3	52.3	6.0	36.5	74.0	01MAY
CLARK	42.5	51.9	0.0	36.6	79.3	01MAY
VERNE	42.5	51.0	0.2	39.0	72.7	04MAY
FFR 555W	42.5	50.2	2.4	34.8	69.8	04MAY
2555	41.7	50.4	0.0	36.2	77.4	02MAY
WAKEFIELD	40.8	50.4	3.2	37.6	68.7	07MAY
2548	40.6	50.5	0.4	33.3	74.3	05MAY
COKER 9803	39.3	54.5	1.7	32.8	61.9	02MAY
COKER 833	39.3	52.2	8.2	37.6	74.7	08MAY
AGRIPRO SAWYER	39.1	50.5	5.8	36.0	76.1	04MAY
FFR 511W	37.9	50.6	0.2	34.8	64.0	02MAY
FFR 568W	37.4	51.4	4.1	37.7	76.2	06MAY
WHEELER	37.3	54.0	4.0	40.1	68.4	08MAY
BOWELL	37.2	54.1	1.3	39.6	72.1	08MAY
COKER 9543	36.5	51.0	4.7	32.6	71.5	02MAY
TYLER	36.2	49.3	7.8	39.9	71.2	08MAY
COKER 9024	34.9	50.8	0.2	39.3	62.5	07MAY
DYNASTY	34.8	49.9	0.0	37.7	77.4	05MAY
CARDINAL	34.7	49.6	0.4	38.8	65.0	08MAY
BECKER	34.6	47.9	0.2	33.7	75.8	06MAY
FFR 544W	34.6	50.7	0.2	34.9	73.8	04MAY
AGRIPRO MALLARD	34.5	49.4	0.0	34.2	67.8	04MAY
DOUBLECROP	33.7	53.9	1.2	37.9	61.1	28APR
SALUDA	32.1	49.7	0.2	32.9	61.7	06MAY
ANTHUR	31.7	53.6	2.2	39.1	61.1	04MAY
EXCEL	30.4	44.6	0.0	35.4	68.6	07MAY
CALDWELL	28.8	49.2	0.7	36.5	62.6	06MAY

**Table 3b—Average Performance of Wheat Varieties Tested in 1990-1992.**

VARIETY	YIELD TEST (BU/A)	WEIGHT (LB/BU)	LOGGING (%)	PLANT HEIGHT (IN)	SURVIVAL (%)	HEADING DATE
MADISON	46.7	53.5	11.1	35.6	83.1	03MAY
WAKEFIELD	46.5	52.6	6.8	37.4	79.6	08MAY
VERNE	44.3	53.0	3.5	38.2	82.2	06MAY
2548	44.3	52.4	1.0	33.1	83.3	06MAY
FFR 555W	43.1	51.0	3.6	33.8	80.3	05MAY
CLARK	42.9	52.4	1.3	35.8	86.5	01MAY
COKER 833	42.4	54.2	9.2	37.5	83.5	10MAY
COKER 9803	42.3	56.2	6.6	32.2	75.2	03MAY
2555	41.9	51.7	3.4	35.5	85.2	03MAY
AGRIPRO SAWYER	41.5	51.5	10.4	35.3	84.4	04MAY
FFR 568W	41.2	53.0	5.4	37.4	84.5	07MAY
HOWELL	40.7	55.9	1.4	39.4	81.7	09MAY
WHEELER	39.8	55.5	3.8	39.2	79.1	07MAY
COKER 9024	39.4	53.0	8.6	38.9	75.5	08MAY
TYLER	38.7	51.4	8.9	39.5	81.2	08MAY
CARDINAL	38.6	51.4	3.1	38.7	77.3	09MAY
FFR 544W	35.8	51.3	1.8	34.7	83.0	04MAY
BECKER	35.6	49.8	0.3	33.5	84.2	07MAY
SALUDA	35.0	52.2	7.3	32.5	74.9	06MAY
DYNASTY	34.9	50.8	2.2	37.0	85.1	06MAY
ARTHUR	33.5	54.7	6.0	38.0	74.6	05MAY
DOUBLECROP	33.5	54.8	5.3	36.9	74.4	29APR
CALDWELL	31.4	50.5	1.5	36.3	75.4	06MAY

**Table 4—Wheat Performance Trials for Purchase Region, 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LOGGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE													
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991												
2548	77	8	37	41	58.8	43.5	55.6	52.6	0	0	0	0	34	35	30	33	100	76	100	92	03MAY	03MAY	09MAY	05MAY
CARDINAL	75	9	46	44	56.0	45.0	56.0	52.3	0	0	0	0	41	37	38	39	91	64	100	85	07MAY	08MAY	09MAY	08MAY
2355	74	16	34	42	56.2	43.4	54.6	51.4	0	0	0	0	36	38	32	35	100	80	100	93	02MAY	27APR	04MAY	01MAY
2545	73	73	73	73	54.4	54.4	54.4	54.4	0	0	0	0	34	34	34	34	100	100	100	100	02MAY	02MAY	02MAY	02MAY
FFR 544W	73	12	35	40	54.7	44.5	51.2	50.1	0	0	0	0	34	35	32	34	100	79	100	93	03MAY	30APR	05MAY	03MAY
COKER 9803	73	15	36	41	60.2	49.6	58.4	56.1	0	0	0	0	32	32	28	31	93	49	100	80	01MAY	28APR	07MAY	02MAY
HOWELL	73	8	41	40	60.9	47.2	59.2	55.8	0	0	0	0	39	41	36	39	100	71	100	90	04MAY	07MAY	11MAY	07MAY
CLARK	72	24	40	45	57.3	46.9	53.6	52.6	0	0	0	0	35	38	29	34	100	85	100	95	01MAY	25APR	02MAY	29APR
MADISON	72	18	46	45	57.7	45.0	56.6	53.1	0	0	0	0	35	37	32	34	100	74	100	91	01MAY	29APR	03MAY	01MAY
VERNE	71	11	44	42	56.9	43.8	57.6	52.8	0	0	0	0	39	39	34	37	98	78	100	92	03MAY	04MAY	07MAY	05MAY
COKER 9024	71	8	41	40	57.9	43.8	57.6	53.1	0	0	0	0	40	39	34	38	100	55	100	85	04MAY	07MAY	10MAY	07MAY
WAKEFIELD	70	12	48	43	55.4	44.5	58.0	52.6	0	0	0	0	38	38	34	36	96	71	100	89	06MAY	06MAY	09MAY	07MAY
FFR 555W	70	11	40	40	56.7	43.2	50.4	50.1	0	0	0	0	33	36	29	33	94	64	100	86	03MAY	02MAY	06MAY	04MAY
FFR 568W	70	10	42	41	59.5	45.0	58.2	54.2	0	0	0	0	37	38	35	37	100	73	100	90	05MAY	05MAY	08MAY	06MAY
COKER 833	69	15	42	42	58.6	47.4	57.2	54.4	0	0	0	0	37	39	35	37	100	69	100	90	08MAY	06MAY	12MAY	09MAY
WHEELER	69	17	34	40	58.2	50.1	58.6	55.6	0	0	0	0	39	41	35	38	100	73	100	91	04MAY	04MAY	09MAY	06MAY
DYNASTY	69	12	26	36	58.2	45.7	51.2	51.7	0	0	0	0	38	39	32	36	100	84	100	95	04MAY	02MAY	07MAY	04MAY
COKER 9543	68	17	43	43	55.0	48.0	51.5	51.5	0	0	0	0	32	33	32	32	94	80	100	87	01MAY	27APR	02MAY	29APR
AGRIPRO SAWYER	68	14	40	40	54.4	44.6	55.8	51.6	0	0	0	0	34	35	30	33	100	78	100	93	02MAY	01MAY	06MAY	03MAY
EXCEL	68	6	37	37	56.2	37.5	46.8	46.8	0	0	0	0	36	35	35	36	100	74	100	87	05MAY	03MAY	04MAY	04MAY
2510	67	6	67	67	56.0	56.0	56.0	56.0	0	0	0	0	33	33	33	33	100	100	100	100	05MAY	05MAY	05MAY	05MAY
FREEDOM	66	6	66	66	55.5	55.5	55.5	55.5	0	0	0	0	35	35	35	35	90	90	100	90	06MAY	06MAY	06MAY	06MAY
FFR 511W	66	12	39	39	56.7	43.9	50.3	50.3	0	0	0	0	34	34	34	34	100	60	100	80	01MAY	29APR	03MAY	30APR
BECKER	65	10	35	37	52.6	41.4	53.6	49.2	0	0	0	0	33	34	31	33	100	83	100	94	04MAY	04MAY	09MAY	06MAY
AGRIPRO MALLARD	64	9	36	36	56.7	41.3	49.0	49.0	0	0	0	0	34	34	34	34	95	74	100	84	03MAY	01MAY	02MAY	02MAY
AGRIPRO MAGNUM	63	63	58.5	58.5	58.5	58.5	58.5	58.5	0	0	0	0	34	34	34	34	100	100	100	100	02MAY	02MAY	02MAY	02MAY
DOUBLECROP	62	18	25	35	58.0	51.0	57.2	55.4	0	0	0	0	37	39	31	35	96	61	100	86	28APR	23APR	04MAY	28APR
ARTHUR	61	14	27	34	59.4	50.4	55.2	55.0	0	0	0	0	38	40	33	37	95	65	100	87	02MAY	01MAY	07MAY	03MAY
TYLER	58	10	48	39	52.3	40.5	55.6	49.5	0	0	0	0	38	41	38	39	90	74	100	88	07MAY	08MAY	08MAY	08MAY
CALDWELL	57	6	33	32	54.6	50.0	53.6	52.7	0	0	0	0	35	37	33	35	85	73	100	86	04MAY	04MAY	09MAY	06MAY
SALUDA	55	8	33	32	56.0	44.0	56.0	52.0	0	0	0	0	32	33	30	32	76	55	100	77	07MAY	04MAY	09MAY	07MAY
MEAN	68	12	38	45	57.0	45.4	55.7	53.3	0	0	0	0	35	37	32	35	97	71	100	90	03MAY	02MAY	07MAY	06MAY

CV = 10.98%

LSD(0.05) = 10.5 BU/A

LOCATION: Calloway County

**Table 5—Wheat Performance Trials for Western Coal Field Region, 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LOOSED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE												
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991											
FFR 555W	59	13	60	44	55.8	46.3	55.4	52.5	0	13	4	33	34	36	34	38	31	100	56	12MAY	06MAY	08MAY	09MAY
WAKEFIELD	56	11	67	45	54.3	44.4	58.8	52.5	0	3	1	36	36	41	38	36	33	100	56	14MAY	11MAY	12MAY	12MAY
2555	53	18	43	38	55.2	46.8	53.8	51.9	0	3	1	33	37	38	36	35	45	100	60	10MAY	04MAY	06MAY	07MAY
MADISON	52	26	51	43	55.7	50.3	57.2	54.4	0	33	11	34	37	36	36	29	48	100	59	10MAY	03MAY	07MAY	07MAY
2510	52	52	53.8	53.8	53.8	53.8	53.8	53.8	0	0	0	32	32	32	32	38	38	100	59	13MAY	13MAY	13MAY	13MAY
COKER 833	50	16	56	41	54.8	50.9	60.4	55.4	0	29	10	36	37	41	38	35	41	100	59	14MAY	11MAY	15MAY	13MAY
CLARK	50	16	52	39	55.2	47.8	55.2	52.7	0	0	0	36	37	38	37	50	45	100	65	06MAY	04MAY	05MAY	05MAY
2548	48	17	61	42	50.2	46.9	58.2	51.8	0	5	2	31	32	36	33	35	46	100	60	12MAY	08MAY	10MAY	10MAY
TYLER	47	17	54	39	53.7	45.4	58.2	52.4	0	19	6	38	40	43	40	29	49	100	59	14MAY	09MAY	12MAY	12MAY
VERNE	44	21	53	40	55.5	46.8	57.2	53.2	0	10	3	36	39	41	39	25	46	100	57	12MAY	06MAY	10MAY	09MAY
FREEDOM	44	21	53	40	55.5	46.8	57.2	53.2	0	10	3	36	39	41	39	25	46	100	57	12MAY	06MAY	10MAY	09MAY
FFR 511W	43	15	29	29	55.2	47.4	51.3	51.3	0	0	0	32	34	34	34	20	20	100	20	14MAY	14MAY	14MAY	14MAY
HOWELL	42	16	55	38	56.4	53.3	61.3	57.0	0	3	1	38	39	43	40	20	33	96	50	14MAY	11MAY	16MAY	14MAY
FFR 568W	42	21	54	39	55.8	49.8	58.0	54.5	0	3	1	34	37	41	37	30	53	100	61	14MAY	08MAY	12MAY	11MAY
AGRIPRO SAWYER	41	19	52	38	53.1	47.9	57.2	52.7	0	15	5	32	37	37	35	21	40	100	54	13MAY	05MAY	09MAY	09MAY
DYNASTY	41	14	42	32	52.0	46.3	53.6	50.6	0	0	0	35	37	42	38	39	49	100	63	10MAY	08MAY	10MAY	09MAY
BECKER	41	11	48	33	51.7	45.5	57.0	51.4	0	0	0	31	34	37	34	28	44	100	57	12MAY	08MAY	12MAY	11MAY
2545	40	40	40	40	53.6	53.6	53.6	53.6	0	0	0	33	33	33	33	16	16	100	16	10MAY	10MAY	10MAY	10MAY
FFR 544W	39	21	48	36	53.1	49.0	57.6	53.2	0	5	2	34	35	38	35	24	44	100	56	11MAY	03MAY	08MAY	07MAY
CARDINAL	36	11	50	32	53.6	43.8	57.6	51.7	0	0	0	36	38	41	39	15	29	100	48	15MAY	11MAY	14MAY	13MAY
COKER 9543	36	11	23	23	54.2	47.7	50.9	50.9	0	0	0	30	34	34	32	21	28	100	48	11MAY	04MAY	04MAY	04MAY
AGRIPRO MAGNUM	35	35	35	35	54.5	54.5	54.5	54.5	0	0	0	33	33	33	33	15	15	100	15	14MAY	14MAY	14MAY	14MAY
COKER 9803	31	12	47	30	52.5	50.9	60.6	54.7	0	80	27	30	33	33	32	10	20	100	43	11MAY	03MAY	05MAY	06MAY
EXCEL	29	9	19	19	43.5	39.5	41.5	41.5	0	0	0	32	36	36	34	13	30	100	21	15MAY	09MAY	09MAY	09MAY
AGRIPRO MALLARD	26	15	21	21	50.7	45.8	48.2	48.2	0	0	0	30	33	33	32	8	24	100	16	12MAY	07MAY	07MAY	07MAY
CALDWELL	22	6	42	23	52.4	50.0	57.2	53.2	0	0	0	35	37	39	37	7	20	98	41	13MAY	10MAY	13MAY	12MAY
COKER 9024	19	19	51	30	53.8	48.8	58.6	53.7	0	54	18	35	40	42	39	5	35	100	47	15MAY	08MAY	10MAY	12MAY
SALUDA	19	8	47	25	42.4	42.8	60.0	48.4	0	0	0	29	32	36	32	5	16	99	40	15MAY	10MAY	12MAY	12MAY
WHEELER	15	22	53	30	51.0	51.9	59.7	54.2	0	0	0	34	42	40	38	3	38	100	47	15MAY	06MAY	12MAY	11MAY
ARTHUR	15	17	40	24	53.1	51.8	58.8	54.6	0	30	10	35	41	39	38	1	24	100	42	13MAY	05MAY	08MAY	09MAY
DOUBLECROP	7	15	38	20	51.1	58.0	54.6	54.6	0	50	17	31	38	38	36	1	20	96	39	07MAY	30APR	05MAY	04MAY
MEAN	36	15	50	33	54.2	47.7	57.8	52.9	0	17	4	33	36	39	35	20	34	100	41	13MAY	07MAY	10MAY	10MAY

CV = 20.1 %  
 LSD(0.05) = 10.3 BU/A  
 LOCATION: Princeton, sandstone soil





**Table 7—Wheat Performance Trials for Bluegrass Region, 1989-1991.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		READING DATE	
	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990
FFR 555W	46	33	54.1	52.8	0	10	33	32	100	99	05MAY	17MAY
WAKEFIELD	42	50	54.6	56.6	0	55	34	38	99	88	07MAY	16MAY
2555	41	41	53.4	56.4	0	5	35	35	99	98	03MAY	17MAY
VERNE	41	42	54.8	59.2	0	20	35	37	100	99	04MAY	17MAY
COKER 9024	39	42	53.5	56.8	0	18	38	38	99	99	06MAY	19MAY
CLARK	39	34	53.8	54.4	0	23	32	35	100	99	02MAY	09MAY
2548	38	40	52.8	56.8	0	5	30	32	100	100	04MAY	12MAY
COKER 9803	37	44	57.0	61.6	0	13	31	32	100	99	03MAY	17MAY
COKER 833	37	36	55.8	59.2	0	24	35	37	100	99	08MAY	17MAY
COKER 9543	36	36	52.5	56.4	0	0	31	31	100	96	03MAY	17MAY
BECKER	36	31	50.6	52.8	0	1	31	33	100	99	06MAY	13MAY
MADISON	34	43	53.0	57.6	0	40	34	35	99	99	01MAY	12MAY
DYNASTY	34	30	50.7	52.0	0	26	33	35	100	96	07MAY	13MAY
EXCEL	34	34	47.8	47.8	0	0	33	33	100	100	07MAY	07MAY
BOWELL	33	35	56.8	58.8	0	9	37	38	99	100	09MAY	15MAY
FFR 511W	33	33	53.0	53.0	0	0	34	37	95	95	02MAY	02MAY
CARDINAL	32	35	51.1	54.0	0	50	35	37	99	100	08MAY	15MAY
AGRIPRO MALLARD	32	32	51.4	51.4	0	0	32	34	100	93	06MAY	19MAY
TYLER	31	43	52.4	53.2	0	55	33	35	100	100	03MAY	10MAY
WHEELER	30	36	53.6	56.8	0	31	35	39	100	99	08MAY	16MAY
SALUDA	30	39	56.5	60.0	3	15	35	39	100	94	06MAY	19MAY
CHALDWELL	29	38	54.4	59.0	0	36	30	32	100	98	05MAY	13MAY
FFR 568W	28	29	50.2	52.0	0	18	35	35	99	96	06MAY	10MAY
DOUBLECROP	22	46	53.0	57.0	0	11	32	36	100	100	06MAY	17MAY
ARTHUR	21	29	53.2	58.2	0	24	35	35	96	98	30APR	12MAY
COKER 9733	21	32	53.2	57.6	15	33	33	36	99	98	07MAY	13MAY
FFR 544W	17	25	54.5	51.2	0	6	34	40	100	100	07MAY	20MAY
MEAN	32	37	53.7	56.3	1	24	33	35	99	98	05MAY	15MAY

CV = 15.9%  
LSD(0.05) = 7.1 BU/A  
LOCATION: Lexington

The 1992 trial was discarded due to winterkill.

**Table 8—Wheat Performance Trials for Southern Tier Region,\* 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE													
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991												
MADISON	81	37	27	48	57.6	48.8	51.2	52.5	3	0	69	24	38	38	34	37	99	91	100	97	02MAY	29APR	07MAY	03MAY
CLARK	74	31	34	46	56.4	50.2	51.2	52.6	0	0	0	0	38	38	37	37	99	91	100	97	01MAY	28APR	07MAY	01MAY
FFR 555W	74	23	25	41	52.3	46.3	46.4	48.3	5	0	19	8	35	36	32	34	100	85	100	95	05MAY	04MAY	09MAY	06MAY
2510	71		71		54.1		54.1		0	0	0	0	35	35	35	35	95	95	95	95	08MAY		08MAY	08MAY
VERNE	69	39	34	47	54.1	49.5	51.6	51.7	0	0	29	10	38	41	38	39	91	94	100	95	05MAY	02MAY	09MAY	06MAY
FFR 511W	68	26	47	47	54.4	45.2	49.8	49.8	0	0	0	0	37	35	36	36	95	71		83	30APR	01MAY	07MAY	01MAY
WHEELER	68	33	30	44	58.0	52.7	53.8	54.8	0	0	8	3	41	43	38	41	83	86	100	90	09MAY	05MAY	11MAY	08MAY
2548	67	26	37	43	54.2	48.1	49.2	50.5	0	0	3	1	33	35	36	35	91	88	100	93	06MAY	05MAY	09MAY	07MAY
WATERFIELD	67	24	43	45	51.0	49.2	54.8	51.7	28	0	33	20	37	38	38	38	96	80	100	92	09MAY	06MAY	10MAY	08MAY
2545	66		66		52.5		52.5		0	0	0	0	37	37	37	37	88	88		88	04MAY		04MAY	04MAY
CAIDWELL	66	14	25	35	54.4	40.5	45.6	46.8	0	0	4	1	37	37	40	38	78	69	100	82	04MAY	07MAY	09MAY	07MAY
BOWELL	64	22	39	41	57.5	53.2	56.0	55.6	0	0	0	0	40	41	42	41	90	89	100	93	08MAY	08MAY	12MAY	09MAY
AGRIPRO MALLARD	63	24		44	52.8	46.6		49.7	0	0	0	0	35	35			93	85		89	05MAY	02MAY		04MAY
FREEDON	62		62		53.1		53.1		0	0	0	0	38				96			96	05MAY			05MAY
SALIDA	62	25	26	38	52.3	48.5	54.4	51.7	0	0	56	19	33	35	34	34	84	80	100	88	05MAY	05MAY	07MAY	06MAY
AGRIPRO SAMYER	62	26	27	38	57.8	48.6	46.8	51.1	26	0	63	30	36	38	36	37	90	90	100	93	04MAY	03MAY	07MAY	05MAY
CARDINAL	61	17	30	36	54.8	46.2	50.8	50.6	0	0	6	2	40	39	40	40	76	78	100	85	10MAY	07MAY	11MAY	09MAY
FFR 544W	61	25	37	37	53.7	50.8	48.0	50.8	0	0	21	7	36	36	37	36	91	91	100	94	04MAY	02MAY	06MAY	04MAY
COKER 833	61	23	35	39	52.3	50.5	55.0	52.6	59	0	25	28	38	38	39	38	91	94	100	95	11MAY	08MAY	15MAY	11MAY
COKER 9803	61	32	35	43	58.6	53.0	53.6	55.1	3	0	18	7	33	34	34	34	86	71	100	86	02MAY	01MAY	08MAY	04MAY
AGRIPRO MAGNUM	60		60		54.3		54.3		21	0	21	0	35				99			99	05MAY			05MAY
FFR 568W	59	31	29	40	53.6	50.5	51.2	51.8	14	0	40	18	38	39	38	38	95	93	100	96	08MAY	05MAY	10MAY	08MAY
TYLER	58	24	19	34	54.2	47.6	49.6	50.5	30	0	28	19	39	42	40	40	95	93	100	96	10MAY	05MAY	12MAY	09MAY
ARTHUR	57	30	20	36	57.0	52.8	50.8	53.5	0	0	24	8	39	43	37	40	74	78	100	84	05MAY	02MAY	06MAY	04MAY
DOUBLECROP	57	29	23	36	57.1	54.8	53.2	55.0	0	0	16	5	38	41	38	39	79	73	100	84	30APR	22APR	30APR	27APR
COKER 9024	55	24	28	36	54.6	50.0	55.2	55.3	3	0	68	23	40	41	40	40	81	84	100	88	08MAY	05MAY	11MAY	08MAY
COKER 9543	55	29		42	53.4	51.5	52.4		0	0	0	0	33	33			93	93		93	02MAY	29APR		01APR
BECKER	55	17	21	31	50.8	41.7	50.0	47.5	0	0	3	1	34	35	36	35	96	95	100	97	07MAY	06MAY	10MAY	08MAY
DYNASTY	55	21	21	32	54.2	48.6	46.4	49.7	0	0	18	6	39	39	39	39	91	95	100	95	05MAY	03MAY	10MAY	06MAY
2555	54	31	30	38	53.2	47.6	48.0	49.6	0	0	61	20	33	37	35	35	89	95	100	95	04MAY	29APR	06MAY	03MAY
EXCEL	49	15		32	44.8	42.2		43.5	0	0	0	0	36	36			86	78		82	07MAY	05MAY		06MAY
MEAN	62	26	29	44	54.2	48.8	51.0	51.8	7	0	25	8	36	38	37	37	89	85	100	91	05MAY	06MAY	08MAY	06MAY

CV = 17.9%

LSD(0.05) = 15.7 BU/A

\* LOCATION: Princeton, limestone soil

**Table 8a—Wheat Performance Trials for Southern Tier Region, \* 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
2545	74	74	56.3	56.3	0	0	36	36	100	100	02MAY	02MAY
BECKER	72	49	54.7	46.2	0	0	34	37	100	80	04MAY	29APR
2510	71	71	56.0	52.0	0	0	36	32	100	100	05MAY	02MAY
FFR 555W	70	33	55.0	45.3	0	0	36	37	100	100	03MAY	27APR
CLARK	67	46	54.0	51.7	0	0	36	31	100	75	30APR	25APR
VERNE	66	61	54.6	48.4	0	3	41	34	100	100	03MAY	27APR
AGRIPRO SAWYER	65	36	54.9	45.5	0	0	38	40	100	80	03MAY	27APR
2548	64	65	57.9	50.2	0	0	35	36	100	81	02MAY	27APR
WARFIELD	64	43	58.0	48.2	0	3	35	33	100	76	04MAY	26APR
FFR 511W	64	42	56.1	49.5	0	5	40	42	100	64	05MAY	29APR
HOWELL	63	30	61.8	51.0	0	0	36	39	100	63	01MAY	25APR
MADISON	62	54	56.5	51.3	0	0	42	43	100	79	07MAY	02MAY
TYLER	61	30	56.5	45.3	0	3	40	34	100	75	30APR	25APR
FREEDOM	61	54	55.1	45.3	0	0	42	44	100	78	05MAY	30APR
AGRIPRO MALLARD	60	33	56.1	46.4	0	0	36	36	100	100	02MAY	02MAY
DYNASTY	58	26	53.8	44.8	0	0	35	38	100	76	02MAY	27APR
EXCEL	58	25	47.5	44.2	0	0	39	40	100	79	02MAY	30APR
CARDINAL	58	30	55.6	45.2	0	0	38	37	100	59	04MAY	30APR
2555	57	38	55.3	46.7	0	0	41	39	100	79	05MAY	02MAY
SALUDA	56	33	59.5	48.4	0	0	36	41	100	93	05MAY	02MAY
COKER 9803	55	49	58.7	51.7	0	0	32	37	100	81	04MAY	27APR
COKER 9024	55	50	54.5	50.2	0	0	31	38	100	68	04MAY	27APR
FFR 544W	54	34	51.2	47.9	0	31	41	43	100	69	01MAY	24APR
WHEELER	53	44	58.8	53.6	0	0	37	39	100	73	05MAY	29APR
AGRIPRO MAGNUM	53	54	56.0	46.4	0	0	40	44	100	83	02MAY	27APR
FFR 568W	53	47	58.2	48.8	0	0	36	36	100	75	04MAY	29APR
ARTHUR	52	35	59.6	51.8	0	0	39	42	100	85	04MAY	27APR
CALDWELL	51	20	53.6	42.4	0	5	40	44	100	60	02MAY	27APR
DOUBLECROP	51	42	58.9	52.0	0	0	37	38	100	87	03MAY	29APR
COKER 833	50	41	56.2	49.5	0	0	38	40	100	51	27APR	22APR
COKER 9543	42	44	52.6	52.2	0	0	33	37	100	79	07MAY	01MAY
MEAN	59	38	56.2	48.7	0	2	37	40	100	73	03MAY	27APR

CV = 10.4%  
 LSD (0.05) = 8.7 BU/A  
 \* LOCATION: Elkton

**Table 9—Wheat Performance Trials for North Central Region, 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
2545	41	41	49.1	49.1	0	0	36	36	69	69
FFR 511W	36	28	46.7	44.7	3	0	35	35	34	24
2555	35	33	46.5	48.9	0	0	34	37	35	35
EXCEL	34	24	44.2	38.2	0	0	35	36	46	49
2548	33	24	51	42.2	5	0	32	34	30	54
AGRIPRO SAWYER	33	30	48.1	47.3	49	0	37	37	60	59
MADISON	32	29	49.9	47.1	75	0	36	39	20	60
DYNASTY	32	24	48.8	45.2	0	0	38	39	37	48
COKER 833	31	27	47.9	45.7	48	0	37	38	34	61
2510	30	30	47.0	47.0	40	0	33	33	46	46
COKER 9543	29	25	44.9	46.7	61	0	31	31	32	30
FFR 569W	28	27	41.0	47.8	40	0	37	40	26	61
CLARK	28	32	49.4	48.0	0	0	36	36	30	73
HOWELL	27	22	45.1	48.9	18	0	37	41	33	51
AGRIPRO MAGNUM	26	26	46.7	46.7	30	0	30	33	23	23
VERNE	26	30	44.2	46.7	3	0	34	42	6	56
WHEELER	26	28	49.3	50.9	50	0	37	44	14	59
DOUBLECROP	25	28	47.2	50.2	15	0	37	42	31	44
TYLER	25	25	42.1	45.2	71	0	38	41	19	44
COKER 9803	24	27	52.5	51.7	20	0	31	35	16	35
CARDINAL	24	27	43.3	47.8	5	0	37	40	13	51
AGRIPRO MALLARD	23	22	45.1	44.6	0	0	33	36	14	54
FFR 555W	23	24	42.2	46.4	26	0	30	38	10	43
BECKER	22	20	45.7	39.5	3	0	32	36	30	64
FFR 544W	22	20	46.6	47.1	3	0	32	37	19	55
CALDWELL	20	18	44.6	45.3	9	0	37	39	25	45
WAKEFIELD	19	25	43.0	43.6	14	0	33	39	5	51
ARTHUR	18	22	47.5	50.1	26	0	37	40	18	44
FREEDOM	18	18	40.9	40.9	0	0	34	34	10	10
SALUDA	17	22	46.5	45.3	3	0	32	36	9	64
COKER 9024	17	24	42.6	45.4	0	0	35	41	4	44
MEAN	28	25	46.5	46.2	21	0	34	38	29	51

CV = 25.7%

LSD(0.05) = 10.0 BU/A

LOCATION : Nelson County



**Table 11—Characteristics of Barley Varieties Tested in 1992.**

VARIETY	PROTECTED	SOURCE	RELEASE DATE	YIELD (BU/A)	TEST WEIGHT (LB/BU)	LODGING (%)	PLANT HEIGHT (IN.)	SURVIVAL (%)	HEADING DATE
WYBOR	NO	VIRGINIA	1985	78.4	40.7	25.0	39.5	100.0	27APR92
NOMINI	YES	VIRGINIA	1992	75.5	39.1	35.0	38.6	83.8	26APR92
PIKE	YES	INDIANA	1975	75.3	44.5	0.0	31.5	91.3	27APR92
SCHOCHOH	NO	KENTUCKY	1989	69.4	40.3	46.9	36.4	86.9	30APR92
BARSOY	NO	KENTUCKY	1966	59.6	43.5	5.0	32.4	83.8	22APR92

**Table 12—Barley Performance Trials for Western Coal Field Region, 1989-1991.**

VARIETY	YIELD (BU/AC) --		TEST WT (LB/BU)		PCT LOGGED ----		PLANT HEIGHT (IN)		PCT SURVIVAL --		HEADING DATE										
	1991	1990	1989	MEAN	1991	1990	1989	MEAN	1991	1990	1989	MEAN									
WYSOR	45	65	72	61	37.0	42.7	43.6	41.1	0	10	0	3	38	38	38	38	28	100	91	73	03MAY 07MAY 27APR 02MAY
PIKE	33	35	85	51	36.0	39.8	45.2	40.3	8	60	13	27	31	33	34	33	53	100	100	84	21APR 27APR 22APR 23APR
SCHOCH	30	45	86	54	37.0	41.3	48.0	42.1	5	18	0	8	34	37	36	36	36	100	93	76	03MAY 05MAY 01MAY 03MAY
BARSOY	28	34	83	48	36.0	41.4	48.0	41.8	8	25	16	16	32	35	36	34	29	100	93	74	19APR 27APR 19APR 22APR
MEAN	34	45	82	53	36.5	41.3	46.2	41.3	5	28	7	13	34	36	36	35	36	100	94	77	26APR 01MAY 25APR 27APR

CV = 14.8%

LSD(0.05) = 7.12 BU/A

LOCATION: Princeton, sandstone soil

The 1992 trial was discarded due to winterkill.



**Table 13—Barley Performance Trials for Bluegrass Region, 1989-1991.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		---- PCT LODGED ----		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE													
	1991	1990	1989	MEAN	1991	1990	1989	MEAN	1991	1990	1989	MEAN												
WYSOR	69	82	100	84	40.7	39.4	42.0	40.7	96	45	71	37	38	42	39	95	100	98	98	28APR	01MAY	02MAY	30APR	
SCHOCHOR	48	57	84	63	44.9	39.7	43.0	42.5	65	85	75	35	36	38	36	36	90	100	100	97	28APR	02MAY	02MAY	01MAY
BARSOY	43	40	71	51	51.6	36.7	44.0	44.1	65	86	76	35	34	38	35	35	89	100	100	96	22APR	26APR	27APR	25APR
PIKE	30	49	71	50	42.6	35.8	44.0	40.8	96	95	96	31	34	36	33	33	86	100	99	95	28APR	27APR	29APR	28APR
MEAN	48	57	81	62	44.9	37.9	43.3	42.0	81	78	80	35	35	38	36	36	90	100	99	96	27APR	29APR	30APR	29APR

CV = 12.1%  
 LSD(0.05) = 8.1 BU/A  
 LOCATION: Lexington

The 1992 trial was discarded due to winterkill.

**Table 14---Barley Performance Trials for Southern Tier Region, \* 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		READING DATE													
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991												
WYBOR	90	61	41.7	38.0	42.5	40.7	0	33	33	22	40	37	39	100	85	100	95	30APR	01MAY	07MAY	03MAY			
MONINI	89	.	40.8	.	40.8	40.8	20	.	20	39	.	39	.	39	68	.	68	01MAY	.	01MAY	.			
PIKE	85	43	32	53	46.1	39.0	35.3	40.1	0	30	35	22	33	33	34	33	83	95	100	93	28APR	21APR	28APR	26APR
BARSOY	62	42	28	44	42.3	41.0	40.8	41.4	10	11	43	21	34	33	36	34	68	65	100	78	26APR	19APR	28APR	24APR
SCHOCHOH	58	45	26	43	38.2	42.0	36.4	38.9	84	54	83	73	36	35	35	35	74	100	100	91	04MAY	27APR	07MAY	03MAY
MEAN	77	48	34	59	41.8	40.0	38.7	40.4	23	32	48	32	36	35	35	36	78	86	100	85	30APR	24APR	02MAY	29APR

CV = 19.34

LSD(0.05) = 20.9 BU/A

\* LOCATION: Princeton, Limestone soil

**Table 14a—Barley Performance Trials for Southern Tier Region,\* 1990-1992.**

VARIETY	-- YIELD (BU/AC) --		TEST WT (LB/BU)		--- PCT LODGED ---		PLANT HEIGHT (IN)		-- PCT SURVIVAL --		HEADING DATE															
	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1992	1991	1990	MEAN												
SCHOCHOH	61	32	63	59	42.5	40.0	45.7	42.7	10	81	15	35	37	37	38	37	100	95	100	98	26APR	26APR	28APR	27APR		
WYSOR	67	50	95	71	39.7	42.0	45.1	42.6	50	35	0	28	39	41	41	40	100	94	100	98	23APR	26APR	28APR	25APR	25APR	
FIKE	66	32	49	49	43.0	42.0	45.0	43.3	0	81	33	38	31	34	34	33	100	95	100	98	26APR	18APR	21APR	22APR	22APR	
ROMINI	62	.	62	62	37.4	.	37.4	.	50	.	.	50	38	.	38	.	100	.	.	100	22APR	.	.	.	22APR	22APR
BARSOY	57	29	56	47	44.8	41.0	48.2	44.7	0	75	3	26	31	36	34	34	100	96	100	99	17APR	16APR	20APR	18APR	18APR	
MEAN	67	36	66	58	41.5	41.3	46.2	42.1	22	68	13	35	35	37	37	37	100	95	100	99	23APR	21APR	24APR	23APR	23APR	

CV = 12.3%

LSD(0.05) = 11.5 BU/A

\*LOCATION: ELKTON

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