

## **NATIONAL TURFGRASS EVALUATION PROGRAM**

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the Maryland Turfgrass Council. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, a national director, and an executive coordinator. The program will not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings. The national director is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

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**LOCATIONS SUBMITTING DATA FOR 1986-90**

<u>State</u>	<u>Location</u>	<u>Code</u>
British Columbia	Agassiz	BC1
California	Santa Ana	CA2
California	Riverside	CA3
California	Ventura	CA4
District of Columbia	Washington Monument Grounds	DC1
Georgia	Experiment	GA1
Idaho	Moscow	ID1
Idaho	Post Falls	ID2
Illinois	Carbondale (high maintenance)	IL1
Illinois	Carbondale (low maintenance)	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Manitoba	Winnipeg	MB1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Lincoln (low mowing)	NE1
Nebraska	Lincoln (high mowing)	NE2
Nebraska	Mead	NE3
New Jersey	Adelphia	NJ1
New Jersey	Adelphia	NJ2
New Mexico	Farmington	NM2
North Carolina	Charlotte	NC2
North Carolina	Goldsboro	NC4
Ohio	Columbus	OH1
Oklahoma	Stillwater	OK1
Oregon	Hubbard	OR1
Pennsylvania	University Park	PA1
Pennsylvania	University Park	PA2
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Virginia	Blacksburg	VA1
Virginia	Blackstone	VA2
Virginia	Remington	VA3
Washington	Pullman	WA1
Washington	Puyallup	WA3
Washington	Ritzville (dense shade)	WA4

## 1985 NATIONAL KENTUCKY BLUEGRASS TEST

## Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	Classic	Peterson Seed Company	36	Ba 73-540	O. M. Scott & Sons
2	Monopoly	Peterson Seed Company	37	Parade	Van der Have - Oregon, Inc.
3	Barzan	Mount Emily Seeds, Inc.	38	Asset	Van der Have - Oregon, Inc.
4	Gnome	Turf Merchants, Inc.	39	HV 97 (Cocktail)	Pure-Seed Testing, Inc.
5	Tendos	Turf Merchants, Inc.	40	Lofts 1757	Loft's Seed, Inc.
6	P-104 (Princeton 104)	Loft's Seed, Inc.	41	Cheri	Jacklin Seed Co.
7	Ram-1	Jacklin & Loft's Seed, Inc.	42	Eclipse	Turf Cultivar Assoc.
8	Compact	Tib Szego Associates	43	Liberty	Zajac Performance Seeds
9	Joy	Green Seed Company	44	Destiny	Jonathan Green & Son
10	Sydsport	Loft's Seed, Inc.	45	Dawn	LESCO, Inc.
11	Haga	E. F. Burlingham & Sons	46	Merion	-
12	Georgetown	Loft's Seed, Inc.	47	Nassau	Jacklin & Loft's Seed, Inc.
13	Somerset	Loft's Seed, Inc.	48	Amazon	Jacklin Seed Co.
14	Mystic	Loft's Seed, Inc.	49	239 (Suffolk)	Loft's Seed, Inc.
15	Baron	Loft's Seed, Inc.	50	Wabash	Loft's Seed, Inc.
16	Able I	Warren's Turf Nursery, Inc.	51	Julia	LESCO & Jacklin Seed Co.
17	A-34	Warren's Turf Nursery, Inc.	52	Ikone	Jacklin Seed Co.
18	Merit	Full Circle, Inc.	53	Glade	Jacklin Seed Co.
19	BAR VB 577 (Barlympia)	Barenbrug Holland	54	Huntsville	Jacklin Seed Co.
20	Annika	Production Services	55	F-1872 (Freedom)	Jacklin Seed Co.
21	Conni	Production Services	56	Aquila	Northrup King Co.
22	Kenblue	-	57	K1-152	Northrup King Co.
23	Bristol	O. M. Scott & Sons	58	Harmony	Rothwell Seeds
24	Victa	O. M. Scott & Sons	59	Welcome	Rothwell Seeds
25	Ba 70-139 (Coventry)	O. M. Scott & Sons	60	Aspen	NK Lawn & Garden
26	Ba 70-242 (Marquis)	Roberts Seed Company	61	Rugby	NK Lawn & Garden
27	Ba 72-441 (Abbey)	O. M. Scott & Sons	62	Trenton	NK Lawn & Garden
28	Ba 72-492 (Estate)	Roberts Seed Company	63	K3-178	NK Lawn & Garden
29	Ba 72-500 (Chateau)	Finelawn Research Corp.	64	Midnight	Turf-Seed, Inc.
30	Ba 73-626 (Kelly)	NK Lawn & Garden	65	Challenger	Turf-Seed, Inc.
31	BAR VB 534	Barenbrug Holland	66	Blacksburg	Turf-Seed, Inc.
32	Cynthia	Van der Have Oregon, Inc.	67	PST-CB1	Pure-Seed Testing, Inc.
33	NE 80-88	Univ. of Nebraska - T. Riordan	68	S. D. Certified	-
34	America	Pickseed West, Inc.	69	WW Ag 468	E. F. Burlingham & Sons
35	Ba 69-82	O. M. Scott & Sons	70	WW Ag 491	E. F. Burlingham & Sons
			71	WW Ag 495	E. F. Burlingham & Sons
			72	WW Ag 496	E. F. Burlingham & Sons

TABLE A.

1986-90 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES  
IN THE 1985 NATIONAL KENTUCKY BLUEGRASS TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
BC1	LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
CA2	-	-	-	-	-	-	-	-
CA3	SANDY LOAM	6.6-7.0	-	-	5.1-6.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA4	SILTY CLAY LOAM	7.1-7.5	-	-	8.1+	FULL SUN	1.1-1.5	TO PREVENT STRESS
DC1	LOAM	6.1-6.5	271-450	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
GA1	SANDY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	1.6-2.0	NO IRRIGATION
ID1	SILTY CLAY LOAM	5.6-6.0	-	-	-	-	-	-
ID2	SANDY LOAM	4.6-5.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL1	SILTY CLAY AND CLAY	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL2	SILTY CLAY AND CLAY	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
KS1	SANDY CLAY LOAM	7.1-7.5	61-150	376-500	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
KS2	SANDY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	151-270	241-375	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
MB1	SILTY CLAY AND CLAY	7.1-7.5	61-150	501+	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MD1	SANDY LOAM	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
MI1	SANDY LOAM	7.1-7.5	61-150	0-150	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MO1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC2	SILTY CLAY LOAM	0.0-3.5	61-150	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
NC4	SANDY LOAM	0.0-3.5	61-150	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
NE1	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NE2	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NE3	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NJ1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NJ2	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NM2	LOAMY SAND	7.6-8.5	61-150	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
OH1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OK1	-	-	-	-	-	-	-	-
OR1	SILT LOAM AND SILT	4.6-5.5	151-270	241-375	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
PA1	SILTY CLAY LOAM	6.6-7.0	151-270	501+	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
PA2	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	6.6-7.0	-	-	-	FULL SUN	2.1-2.5	TO PREVENT STRESS
UB1	SILT LOAM AND SILT	6.1-6.5	271-450	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
VA1	SANDY LOAM	5.6-6.0	0-60	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
VA2	SANDY LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
VA3	LOAM	6.1-6.5	151-270	376-500	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
WA1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
WA4	SILT LOAM AND SILT	6.6-7.0	61-150	376-500	0.0-1.0	DENSE SHADE	2.1-2.5	ONLY DURING SEVERE STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1986-90

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING
BC1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CA2							X	X	X	X	X	X			
CA3	X	X	X	X	X	X	X	X	X	X	X	X			
CA4	X	X	X		X	X	X	X		X	X	X			
DC1	X		X	X	X	X	X	X	X	X	X	X			
GA1					X		X				X				
IA1					X	X	X	X	X	X					
ID1								X		X			X		
ID2				X	X	X	X	X	X	X	X		X	X	X
IL1			X	X	X	X	X	X	X	X					
IL2			X	X	X	X	X	X	X	X					
IN1			X	X	X	X	X	X	X	X			X	X	X
KS1				X	X	X	X	X	X	X	X	X			
KS2				X	X	X	X	X	X	X			X		
KY1			X	X	X	X	X	X	X	X			X		
MB1						X	X	X	X	X			X	X	
MD1				X	X	X	X	X	X	X	X		X	X	
MI1				X	X	X	X	X	X	X	X			X	
MN1										X					
MO1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NC2							X						X		
NC4		X	X			X					X				
NE1					X	X	X	X	X				X	X	
NE2					X	X	X	X	X				X		
NE3					X	X	X	X					X		
NJ1			X	X	X	X	X	X	X	X	X	X		X	
NJ2				X	X	X	X	X	X	X	X	X		X	
NM2				X			X						X	X	X
OH1					X	X	X	X					X	X	X
OK1				X	X	X	X	X							
OR1	X	X	X	X	X	X	X	X	X	X	X	X			
PA1							X	X	X	X					
PA2					X		X	X						X	
RI1				X	X	X	X	X	X	X	X			X	
SD1					X	X	X	X	X	X			X	X	X
UB1				X	X	X	X	X	X	X	X			X	
VA1			X	X	X	X	X	X	X	X	X			X	
VA2				X	X	X	X	X	X	X	X			X	
VA3	X	X	X	X	X	X	X	X	X	X	X	X		X	
WA1				X	X		X	X	X						
WA3	X	X		X			X		X	X		X	X		X
WA4							X			X		X			

TABLE B. (continued)

## LOCATIONS AND DATA COLLECTED IN 1986-90

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	SNOW MOLD	FUSARIUM PATCH	MELTING OUT SPRING	MELTING OUT FALL	LEAF SPOT
BC1	X	X							X				X	X	X
CA2							X								
CA3															
CA4															
DC1															
GA1															
IA1															
ID1															
ID2		X			X		X		X	X		X	X		X
IL1															
IL2		X													
IN1			X	X			X								
KS1															
KS2									X						
KY1						X									
MB1			X	X	X			X							
MD1															
MI1											X				
MN1															
MO1		X	X	X	X	X	X	X	X						
NC2						X									
NC4															
NE1						X									
NE2															
NE3															
NJ1		X													
NJ2															
NM2															
OH1			X	X	X										X
OK1															
OR1	X								X			X			X
PA1															
PA2			X												
RI1									X						
SD1			X	X	X										
UB1		X				X									X
VA1						X		X					X		X
VA2						X	X	X					X		
VA3		X				X		X							X
WA1		X													
WA3									X					X	
WA4		X			X		X	X							

TABLE B. (continued)

## LOCATIONS AND DATA COLLECTED IN 1986-90

LOCATION	STEM RUST	DOLLAR SPOT	RED THREAD	SUMMER PATCH	NECROTIC RING SPOT	STRIPE SMUT	CROWN RUST	POWDERY MILDEW	SOD WEBWORM	BILLBUG RATINGS	LEAF RUST	STRIPE RUST	SEEDHEADS	SOD STRENGTH
BC1			X				X					X		
CA2											X			
CA3											X			
CA4											X			
DC1											X			
GA1														
IA1														
ID1	X													
ID2	X				X								X	
IL1														
IL2														
IN1	X	X		X										
KS1														
KS2														
KY1														
MB1														
MD1														
MI1														
MN1														
MO1	X	X					X							
NC2														
NC4														
NE1		X								X				
NE2										X				
NE3														
NJ1	X					X								
NJ2		X						X						
NM2														
OH1														
OK1														
OR1														
PA1		X												
PA2				X										
RI1														
SD1														
UB1									X					
VA1		X	X											
VA2														
VA3														
WA1														X
WA3							X							
WA4								X						

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS AT  
 FORTY-TWO LOCATIONS IN THE UNITED STATES AND CANADA  
 1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																				
	BC1	CA2	CA3	CA4	DC1	GA1	IA1	ID1	ID2	IL1	IL2	IN1	KS1	KS2	KY1	MB1	MD1	MI1	MN1	MO1	NC2
* BLACKSBURG	6.3	4.5	5.1	6.3	2.4	5.8	4.9	7.2	7.3	6.5	7.2	6.7	7.2	8.0	6.4	8.3	6.8	6.4	4.3	6.5	4.0
* MIDNIGHT	5.7	4.3	5.6	6.7	3.9	5.7	4.3	7.8	7.4	6.2	6.0	6.9	7.3	8.4	5.9	7.6	7.1	6.9	3.0	6.3	3.7
* P-104 (PRINCETON 104)	6.2	3.1	4.8	5.8	2.6	5.3	4.7	7.2	6.8	6.6	6.0	6.5	6.7	8.1	5.6	7.2	6.9	7.2	5.0	6.4	4.3
* ASSET	6.0	4.1	5.5	6.1	5.1	6.0	4.4	5.8	6.9	6.1	5.4	6.8	6.6	7.2	6.1	7.9	6.0	6.5	5.3	6.3	4.8
* BA 72-500 (CHATEAU)	6.1	4.2	5.3	6.1	3.6	6.2	4.5	8.0	6.2	5.8	6.2	6.4	6.7	7.3	5.7	7.3	5.7	5.9	4.0	6.7	4.8
* LOFTS 1757	5.8	3.1	5.2	6.8	3.7	5.8	5.3	7.3	6.7	6.1	5.9	6.5	6.9	7.8	5.7	7.2	6.5	6.5	3.7	6.5	3.8
* BA 70-139 (COVENTRY)	6.3	5.4	5.2	5.9	3.8	6.0	4.3	7.5	6.4	5.7	6.7	5.7	6.8	7.0	5.7	7.1	6.0	5.9	4.7	6.6	3.8
* F-1872 (FREEDOM)	.	4.9	5.5	.	.	5.7	5.7	7.3	6.7	6.4	5.9	6.3	.	7.0	5.8	7.0	6.3	5.6	5.0	6.8	3.5
BA 73-540	6.3	5.0	5.3	6.0	4.1	6.0	4.6	7.0	6.7	6.0	6.2	5.5	6.4	7.2	5.7	7.5	6.3	6.0	2.7	6.3	4.7
* AMERICA	5.3	4.9	4.8	5.7	3.9	5.9	4.7	5.0	6.8	6.0	6.3	6.9	7.1	7.5	6.6	7.5	6.1	5.8	3.3	6.5	4.3
* ECLIPSE	5.8	4.0	4.6	5.9	3.3	5.6	4.8	7.7	7.1	6.3	5.9	6.6	6.8	7.6	6.2	7.6	6.2	6.7	2.3	6.2	3.5
* ASPEN	5.5	5.3	5.1	5.9	3.5	5.4	4.6	7.2	6.2	6.8	6.1	6.6	7.0	7.3	6.3	7.5	6.2	6.1	3.0	6.4	4.0
* BA 72-492 (ESTATE)	6.4	4.7	5.3	6.5	4.0	6.3	4.6	7.3	6.5	5.7	6.2	6.0	6.5	7.0	5.7	7.2	5.8	5.5	2.0	6.6	4.7
* GLADE	5.9	5.6	5.3	6.3	4.8	5.4	4.4	6.2	7.0	5.2	5.7	6.3	6.6	7.4	5.9	7.8	6.0	6.0	3.3	6.4	3.8
* CLASSIC	5.6	5.8	5.5	6.3	3.7	5.7	5.0	6.8	6.6	6.2	5.8	6.4	6.7	6.9	6.2	7.5	6.3	5.9	4.7	6.6	3.5
WW AG 496	5.7	3.5	5.3	5.6	4.2	5.4	5.0	7.3	6.4	6.5	6.5	6.2	.	7.3	5.8	8.2	6.6	5.2	4.0	6.4	4.8
* ABLE I	5.4	3.7	4.8	6.8	3.2	5.9	5.2	7.3	6.8	6.5	5.8	6.7	7.1	6.8	6.0	7.7	6.1	6.1	3.7	6.2	4.2
* WABASH	4.9	4.8	5.2	5.4	5.6	5.6	5.7	7.0	6.2	6.8	7.0	6.8	6.4	6.5	6.2	7.7	6.0	5.6	5.3	6.6	4.5
* A-34	6.1	4.3	5.3	6.1	4.8	5.6	5.1	6.7	6.9	6.5	5.9	6.5	6.4	7.1	5.8	7.5	6.7	5.1	3.7	6.6	3.5
BA 69-82	6.0	3.6	5.4	5.9	4.4	6.2	4.5	7.8	6.5	6.4	6.0	5.8	6.6	7.1	5.9	7.3	5.3	5.9	2.7	6.5	4.7
BAR VB 534	5.5	4.2	5.3	4.9	3.6	6.3	4.8	6.5	6.5	5.9	5.6	6.8	.	6.8	5.5	8.2	6.5	5.1	5.3	6.2	4.0
* CHERI	6.2	4.7	5.4	5.9	3.4	6.0	4.1	7.7	6.7	6.0	5.9	5.9	6.9	7.2	5.8	7.7	5.8	5.8	2.7	6.5	5.2
* BRISTOL	5.7	4.5	5.3	6.5	3.4	5.4	4.5	7.5	6.3	5.7	5.9	6.3	6.8	7.5	6.0	7.0	6.2	6.4	3.3	6.5	3.7
* RUGBY	5.6	5.4	5.9	6.5	3.4	5.9	5.3	7.7	6.6	6.0	6.4	6.4	6.5	7.0	6.1	6.7	6.1	5.2	5.0	6.5	3.8
* CHALLENGER	5.6	4.0	5.3	6.4	3.1	6.0	4.3	7.2	6.6	6.7	5.5	6.8	7.1	7.7	5.9	7.5	5.3	6.6	3.7	6.3	3.3
* SYDSPORT	6.4	4.7	5.4	6.3	3.9	6.2	4.3	7.2	6.7	5.6	5.8	5.6	7.0	7.1	5.7	7.5	5.4	5.9	3.3	6.5	3.8
* TRENTON	5.8	5.5	5.5	6.6	3.9	6.0	5.0	7.2	6.6	6.7	5.7	6.6	6.5	7.0	6.1	6.7	6.3	5.6	3.7	6.6	3.5
PST-CB1	.	3.3	5.3	6.5	3.9	5.9	4.9	7.0	6.7	6.4	6.1	6.5	6.7	7.0	6.3	6.9	6.4	6.1	4.0	6.6	4.2
* SOMERSET	5.4	3.7	5.1	5.6	3.5	5.1	5.3	7.8	6.6	6.3	5.9	6.8	6.4	6.8	6.2	7.4	5.5	5.8	4.3	6.6	3.8
* RAM-1	5.8	4.6	5.3	6.0	3.1	5.8	4.4	7.7	7.4	5.2	5.2	6.0	6.9	6.8	5.7	7.9	5.9	6.2	3.7	6.3	4.2
* CONNI	.	3.8	5.4	.	2.7	5.9	4.5	7.3	6.7	5.2	5.5	6.0	6.4	6.7	5.6	8.3	6.2	5.3	3.3	5.5	4.8
* BARON	5.5	4.7	5.0	6.0	3.7	6.2	4.6	7.7	6.6	5.5	6.2	6.4	6.7	7.2	5.4	7.2	6.2	5.3	3.7	6.3	5.2
* MYSTIC	4.7	4.5	4.7	4.3	3.8	5.7	5.2	6.3	6.5	7.0	5.8	7.1	6.5	6.4	5.9	8.3	6.6	5.9	5.3	6.3	4.2
* CYNTHIA	5.7	4.8	5.1	5.4	3.4	6.2	4.8	6.8	7.0	6.4	5.6	6.8	6.7	6.6	5.5	8.7	6.0	5.1	4.0	6.3	4.2
* TENDOS	6.5	5.3	5.8	6.0	3.3	5.7	5.1	6.7	6.8	5.5	5.3	6.5	6.7	7.3	5.4	6.7	5.4	6.0	4.3	6.4	4.2
* 239 (SUFFOLK)	5.3	5.3	6.0	5.7	3.9	5.7	4.9	7.5	6.2	6.4	6.1	6.3	6.6	6.7	6.0	7.3	6.0	5.6	4.0	6.5	4.0
* HAGA	5.7	4.4	5.4	6.1	4.5	6.0	4.6	7.5	6.7	6.5	5.5	6.6	6.6	7.0	5.9	7.4	6.2	5.7	2.7	6.3	3.8
* GEORGETOWN	5.6	4.8	5.1	6.4	4.0	5.6	5.3	7.8	6.3	6.3	5.8	6.5	6.6	7.2	6.1	6.6	6.1	5.7	3.7	6.4	3.8
* MONOPOLY	5.6	4.4	5.2	5.2	5.3	5.6	5.6	6.7	6.4	6.5	6.6	6.6	6.1	6.5	5.9	6.3	6.0	5.5	4.7	6.3	4.7
* JULIA	5.9	4.3	5.0	6.1	5.3	5.3	5.1	7.2	6.2	6.0	6.3	6.0	.	6.9	5.8	7.3	5.0	5.5	2.7	6.5	3.7
KI-152	5.7	5.4	5.5	6.0	4.3	6.2	4.8	6.5	6.8	6.1	5.9	6.1	6.6	6.7	6.1	6.9	5.9	5.6	3.3	6.5	3.7
* BA 73-626 (KELLY)	5.7	4.0	5.4	5.6	4.2	5.6	4.7	7.7	6.3	5.5	6.0	6.4	6.4	7.5	5.7	7.2	6.2	5.6	3.7	6.1	5.0
* VICTA	5.9	5.1	5.2	5.8	4.1	5.8	4.7	7.5	6.4	5.1	6.2	6.4	6.6	7.7	5.8	6.8	6.2	5.7	3.3	6.1	5.0
* DAWN	.	4.9	5.6	6.0	4.1	5.7	4.5	7.2	6.5	6.1	5.5	5.4	6.5	7.2	5.9	6.5	6.1	6.1	3.3	6.5	3.7
* PARADE	5.5	5.1	5.3	6.2	4.3	5.6	5.1	6.0	6.4	6.5	5.8	6.4	6.5	7.1	6.1	7.7	6.0	5.9	4.7	6.4	3.7

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS AT  
 FORTY-TWO LOCATIONS IN THE UNITED STATES AND CANADA  
 1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																				
	BC1	CA2	CA3	CA4	DC1	GA1	IA1	ID1	ID2	IL1	IL2	IN1	KS1	KS2	KY1	MB1	MD1	MI1	MN1	MO1	NC2
* BA 72-441 (ABBEY)	5.7	3.9	5.7	5.5	4.0	5.6	4.5	7.3	6.4	5.5	6.0	6.3	6.4	7.2	5.7	7.5	6.1	6.0	4.0	6.2	3.8
* MERIT	5.8	4.7	5.6	5.5	4.2	5.6	4.3	6.2	6.9	5.8	5.9	6.2	6.6	7.4	5.4	7.1	6.0	5.6	4.7	6.3	5.2
* LIBERTY	.	5.5	5.4	.	3.7	5.4	4.7	7.3	6.7	5.9	5.9	6.4	6.6	7.1	5.9	6.9	6.1	5.9	3.0	6.3	3.8
K3-178	5.5	5.0	5.5	6.0	3.5	5.7	5.1	6.8	6.6	5.9	5.8	6.3	6.4	6.9	6.4	6.9	6.1	6.0	3.3	6.5	3.8
WW AG 495	5.0	3.7	4.6	5.7	4.6	5.6	5.2	7.8	7.0	6.1	5.7	6.0	.	6.8	5.6	7.9	6.0	5.3	5.0	5.9	4.3
NE 80-88	.	4.0	5.2	.	.	5.1	4.9	7.0	6.0	6.8	6.0	6.5	.	6.8	5.6	7.3	5.6	5.9	4.0	6.3	3.8
WW AG 491	5.4	3.9	5.1	5.4	4.2	5.9	4.8	7.2	6.4	6.0	5.6	6.4	.	6.6	6.0	7.5	6.1	5.4	3.3	6.2	4.5
* IKONE	5.6	4.0	5.2	5.8	4.6	5.1	5.0	7.5	6.1	5.9	6.0	5.8	6.6	7.3	5.4	7.0	5.8	5.5	3.7	6.5	4.8
* AQUILA	5.4	4.6	5.6	5.7	3.5	5.1	5.3	7.0	6.5	5.6	5.8	6.5	.	6.5	5.7	8.0	6.6	5.2	4.0	6.2	3.5
WELCOME	6.6	3.5	5.3	.	2.7	5.1	4.6	7.7	6.5	5.6	5.4	6.7	6.5	7.0	5.3	8.3	5.7	4.9	4.7	6.0	3.7
* NASSAU	5.4	4.1	5.4	6.3	2.8	5.6	4.7	7.8	6.4	5.8	5.7	6.3	6.9	7.7	5.8	6.8	5.6	5.7	3.7	6.1	3.5
COMPACT	.	4.7	5.2	.	2.8	5.7	4.1	6.3	6.7	5.8	6.2	5.9	5.9	6.4	5.4	7.9	6.2	5.0	2.7	6.1	5.3
* BA 70-242 (MARQUIS)	5.5	3.9	5.3	6.0	3.2	5.4	4.7	6.8	5.9	6.1	6.3	6.1	6.4	7.2	5.8	6.4	6.3	5.9	3.3	5.9	4.7
HV 97 (COCKTAIL)	6.0	3.1	5.2	5.2	3.1	5.2	4.6	6.5	7.1	5.6	6.0	5.9	6.3	6.9	5.3	8.3	6.1	5.3	3.0	6.0	4.2
HARMONY	5.7	4.1	5.4	.	3.4	5.9	5.0	6.5	6.6	6.2	6.4	6.2	6.8	6.9	5.2	7.2	6.0	5.0	4.0	6.3	4.7
BAR VB 577 (BARLYMPIA)	5.5	5.5	5.6	5.8	2.9	5.6	4.2	6.7	6.3	5.3	5.3	6.4	6.3	6.9	5.5	6.7	4.8	5.7	3.3	6.3	3.8
* GNOME	5.2	3.9	4.3	6.0	4.0	5.7	4.3	7.5	6.0	5.4	6.2	6.2	6.9	7.1	5.6	7.4	5.2	5.8	3.7	6.1	4.3
* MERION	5.5	3.9	4.7	5.0	2.8	5.2	4.1	7.2	6.0	6.2	5.4	6.6	6.6	7.2	5.9	6.7	4.7	5.8	3.7	5.8	4.0
* DESTINY	.	4.5	5.2	.	2.7	5.4	4.4	6.8	6.3	5.8	5.5	5.5	.	7.5	5.8	6.4	5.2	6.0	2.3	5.9	3.7
WW AG 468	5.1	3.3	4.5	5.3	2.3	4.6	4.5	6.0	6.2	5.6	5.8	6.3	.	7.4	5.8	7.1	4.6	5.5	4.3	5.7	4.0
* HUNTSVILLE	.	4.5	5.5	5.9	3.8	5.4	5.5	6.8	6.3	6.4	6.3	6.4	.	6.7	5.6	6.8	5.5	5.5	3.7	6.2	4.5
* AMAZON	5.6	4.4	4.4	5.0	2.4	5.8	4.6	5.2	6.7	5.7	6.0	5.7	.	6.8	5.3	8.7	6.1	5.1	3.7	6.0	3.5
ANNIKA	.	3.7	5.1	.	2.3	5.3	4.4	6.8	6.3	5.8	5.0	5.9	7.0	6.8	5.1	7.9	5.3	4.6	3.0	6.2	3.7
* BARZAN	5.8	3.5	5.3	5.0	2.9	5.9	4.5	7.0	6.9	5.2	5.8	6.0	6.4	7.0	5.1	7.7	6.0	5.2	2.3	5.8	4.2
* KENBLUE	4.6	4.0	4.7	4.9	4.1	5.4	5.7	7.0	6.3	6.5	5.7	6.0	5.7	5.6	5.2	6.5	5.9	4.8	3.3	5.9	4.2
* JOY	4.7	3.7	4.8	4.7	5.0	5.1	5.6	5.8	6.3	6.3	6.0	6.0	5.9	6.0	5.3	5.7	5.4	5.0	4.0	6.2	5.0
* S.D. CERTIFIED	4.6	4.3	4.8	4.5	3.0	5.1	5.7	6.5	5.6	6.1	6.2	6.1	5.8	5.5	5.0	5.7	5.5	4.7	4.7	6.0	3.5
LSD VALUE	0.4	1.9	0.7	0.7	0.8	0.8	0.8	1.2	0.9	0.9	0.9	0.5	0.4	0.5	0.6	0.7	0.8	0.6	1.9	0.6	1.1

\* COMMERCIALY AVAILABLE IN THE UNITED STATES IN 1991

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS AT  
 FORTY-TWO LOCATIONS IN THE UNITED STATES AND CANADA  
 1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																				MEAN	
	NC4	NE1	NE2	NE3	NJ1	NJ2	NM2	OH1	OK1	OR1	PA1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	WA1	WA3		WA4
BLACKSBURG	6.3	6.0	5.4	5.8	7.1	7.1	6.0	6.0	5.2	7.3	6.1	7.8	7.4	7.2	7.9	5.6	5.9	4.7	7.3	6.4	5.6	6.2
MIDNIGHT	6.1	6.2	6.0	5.7	7.2	6.8	7.3	6.5	5.7	7.0	4.6	5.8	6.8	7.3	7.7	5.6	5.4	5.4	6.9	6.7	3.4	6.1
P-104 (PRINCETON 104)	6.2	5.4	5.6	5.4	7.0	6.7	5.5	6.0	5.3	6.7	5.4	.	6.9	6.5	7.3	5.8	5.1	4.6	7.2	7.8	4.9	6.0
ASSET	5.7	5.4	5.8	5.3	6.6	6.3	6.5	6.4	5.9	6.5	4.9	6.3	6.8	7.1	6.9	5.4	5.7	4.2	6.5	6.9	5.8	5.9
BA 72-500 (CHATEAU)	5.8	5.8	6.1	5.8	5.7	5.8	6.0	6.7	5.2	6.1	4.8	6.2	6.8	6.7	6.6	5.4	5.6	5.2	6.9	6.6	6.4	5.9
LOFTS 1757	5.9	5.1	4.9	4.8	6.6	6.5	7.0	5.7	6.2	6.3	5.0	5.6	6.8	6.7	7.2	5.7	5.4	4.7	6.5	6.6	5.2	5.9
BA 70-139 (COVENTRY)	5.3	5.4	6.0	5.7	5.6	5.2	6.7	6.3	5.5	5.9	5.2	5.3	6.3	6.7	6.6	5.6	5.3	5.5	6.3	6.9	5.9	5.9
F-1872 (FREEDOM)	5.0	5.8	5.3	4.8	5.4	5.2	6.8	5.5	5.5	5.7	5.0	.	6.5	6.9	6.5	5.3	5.0	5.2	6.4	6.0	6.7	5.8
BA 73-540	5.5	5.6	6.0	6.1	5.7	5.5	6.3	6.5	6.5	6.0	4.4	6.1	6.7	6.7	6.8	5.1	5.6	4.6	6.9	6.5	4.5	5.8
AMERICA	4.9	5.7	4.9	5.2	6.2	6.2	7.2	6.3	5.8	6.3	5.9	5.6	6.8	7.5	7.5	5.5	4.7	5.1	6.6	4.9	7.6	5.8
ECLIPSE	6.3	5.8	5.8	5.5	6.5	6.4	6.3	5.9	6.1	6.6	4.9	6.5	7.2	7.3	7.5	5.7	5.2	4.7	6.7	4.4	4.9	5.8
ASPEN	6.4	5.1	5.5	5.3	6.3	6.1	6.5	5.3	5.2	5.7	5.8	6.8	6.6	7.3	7.3	5.1	5.3	5.4	6.3	5.7	4.7	5.8
BA 72-492 (ESTATE)	6.3	5.3	6.1	6.0	5.8	5.5	6.8	6.2	5.5	6.3	4.6	5.6	6.7	6.8	6.7	5.1	5.2	5.2	6.4	6.9	4.0	5.8
GLADE	7.2	6.0	5.8	6.1	6.2	5.9	6.3	6.1	4.7	5.5	5.1	6.5	6.7	6.9	6.9	5.1	5.3	4.6	6.5	5.5	4.8	5.8
CLASSIC	4.9	5.2	5.5	4.8	5.6	5.4	7.3	5.4	5.7	6.0	4.6	5.5	6.2	7.2	6.4	5.4	4.9	5.3	6.1	6.4	5.9	5.8
WW AG 496	5.8	6.2	5.5	5.3	5.6	5.7	7.5	5.9	5.2	5.6	5.1	6.1	6.6	7.0	6.7	5.3	5.5	4.5	6.1	6.3	4.1	5.8
ABLE I	6.0	5.1	5.6	5.2	6.4	6.2	6.8	5.5	4.9	6.3	5.1	7.3	6.9	7.0	6.9	5.0	5.0	4.4	6.6	6.4	5.9	5.8
WABASH	5.5	5.5	6.0	6.2	4.9	4.9	6.3	5.8	5.7	4.9	6.0	4.3	6.8	7.3	6.6	5.1	5.3	4.9	5.9	4.4	5.8	5.8
A-34	5.7	6.2	5.9	5.8	5.4	5.0	6.5	5.9	6.2	6.0	5.1	6.3	7.1	5.9	6.4	5.2	5.0	4.7	6.2	6.4	5.8	5.8
BA 69-82	5.8	5.1	5.4	5.3	5.3	5.2	6.7	6.5	5.9	5.9	4.0	5.9	6.5	7.0	6.7	5.4	5.3	4.8	6.4	6.6	5.9	5.8
BAR VB 534	5.6	6.4	5.7	6.3	5.6	5.5	6.5	5.7	5.9	5.3	5.3	6.3	7.0	7.4	6.7	5.1	4.6	4.3	5.4	5.7	6.2	5.8
CHERI	6.2	5.7	6.0	5.3	5.6	5.5	6.2	6.1	5.2	5.9	4.3	5.6	6.6	6.5	6.7	5.3	4.9	4.9	6.7	6.0	7.1	5.8
BRISTOL	5.2	5.7	5.0	5.0	6.5	6.2	5.7	6.0	5.9	6.5	5.1	5.8	6.6	7.0	6.8	5.1	5.0	4.6	6.4	6.8	5.9	5.8
RUGBY	6.3	5.8	5.4	4.8	5.6	5.3	6.2	5.6	5.3	5.7	4.9	4.9	6.5	6.9	6.4	5.3	4.8	5.1	6.4	6.0	4.9	5.7
CHALLENGER	5.6	5.5	5.4	5.1	6.4	6.0	6.8	6.1	5.5	6.7	4.2	5.5	6.6	6.9	6.9	5.0	4.5	4.7	6.7	6.1	5.9	5.7
SYDSPOURT	5.8	5.4	5.5	5.3	5.8	5.7	6.3	6.0	5.2	6.1	4.8	5.7	6.1	6.8	6.8	5.3	5.4	5.2	7.1	6.6	5.7	5.7
TRENTON	5.4	5.0	5.5	5.4	5.7	5.3	6.0	5.5	5.8	5.7	4.7	5.3	6.8	6.6	6.6	5.3	4.7	5.0	6.3	6.4	4.8	5.7
PST-CB1	5.5	4.9	5.4	4.4	5.2	4.9	7.0	5.6	5.9	6.2	4.8	.	6.5	6.1	6.5	5.3	5.1	5.0	6.4	5.8	5.3	5.7
SOMERSET	4.8	5.5	5.8	5.5	5.6	5.5	6.2	5.7	4.9	5.5	6.1	6.7	6.4	6.9	6.6	5.2	4.8	4.2	6.2	6.4	7.2	5.7
RAM-1	6.3	6.2	5.2	5.3	6.3	6.3	6.8	6.0	5.1	5.7	4.9	5.3	6.0	7.3	6.6	5.2	5.1	4.0	6.4	4.1	6.2	5.7
CONNI	6.0	5.3	5.6	6.1	5.7	5.2	6.7	5.4	5.3	6.3	5.6	.	7.1	7.0	6.7	4.9	4.7	4.2	6.7	5.4	7.3	5.7
BARON	5.9	5.7	5.4	5.4	5.4	5.4	6.3	5.8	5.7	5.2	5.3	6.0	6.0	7.1	6.6	5.0	5.3	4.9	6.4	5.2	5.3	5.7
MYSTIC	5.2	6.2	5.9	5.8	5.5	5.6	7.2	5.7	5.0	4.9	5.6	7.2	6.7	7.4	7.0	4.6	5.2	4.4	6.3	2.2	6.9	5.7
CYNTHIA	5.4	5.0	5.2	5.3	5.6	5.7	6.0	5.9	5.7	5.3	5.8	5.7	6.4	7.1	7.2	4.9	4.5	4.5	5.8	6.3	6.5	5.7
TENDOS	6.2	5.6	5.5	5.1	6.0	5.4	7.0	5.9	4.8	6.4	4.2	.	5.6	6.8	5.6	5.3	4.8	4.4	6.3	6.7	4.4	5.7
239 (SUFFOLK)	5.5	5.2	5.1	4.7	5.4	5.2	6.0	5.6	5.8	5.7	4.7	4.8	6.4	6.8	6.7	5.5	5.3	5.4	6.2	6.0	4.4	5.7
HAGA	5.2	5.5	5.2	4.9	5.5	5.4	6.5	5.4	5.9	5.8	4.3	5.0	6.3	7.0	6.3	5.5	4.9	4.8	6.2	7.1	5.3	5.7
GEORGETOWN	6.3	5.1	5.2	5.3	5.5	5.4	6.7	5.5	5.3	5.5	4.1	5.4	6.1	7.0	6.4	5.1	5.0	4.8	6.4	5.6	5.3	5.7
MONOPOLY	5.4	5.1	5.3	4.3	5.4	4.9	6.8	5.4	5.8	5.1	4.7	6.2	6.5	6.5	6.0	5.5	4.7	5.0	5.7	5.2	6.0	5.6
JULIA	5.9	4.8	5.8	5.3	6.1	5.9	7.2	5.9	5.5	6.4	3.2	5.3	6.5	7.1	7.0	5.2	5.4	4.9	6.5	6.7	5.4	5.6
K1-152	5.6	5.5	5.2	4.3	5.4	5.1	6.5	5.5	5.9	5.4	5.1	5.9	6.4	6.6	6.6	5.4	4.8	5.0	6.4	6.0	4.0	5.6
BA 73-626 (KELLY)	5.3	5.7	5.6	4.9	5.8	5.4	6.0	6.2	6.0	5.4	4.2	5.4	6.2	6.4	6.5	5.3	5.0	4.8	6.5	5.1	5.0	5.6
VICTA	6.0	4.5	5.8	5.2	5.7	5.7	6.0	5.9	5.0	5.5	5.2	5.8	6.1	6.8	6.7	5.5	5.7	4.6	6.7	5.0	3.9	5.6
DAWN	5.9	5.2	5.3	4.8	5.7	5.2	5.8	5.7	5.4	6.1	4.2	5.3	6.4	7.1	6.9	5.1	5.2	4.9	6.4	5.8	5.1	5.6
PARADE	5.3	5.5	5.3	4.8	5.1	5.2	7.2	5.7	5.8	5.1	4.2	4.3	6.1	7.1	6.6	4.8	4.6	5.0	5.8	6.4	5.4	5.6

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS AT  
FORTY-TWO LOCATIONS IN THE UNITED STATES AND CANADA  
1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																				MEAN	
	NC4	NE1	NE2	NE3	NJ1	NJ2	NM2	OH1	OK1	OR1	PA1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	WA1	WA3		WA4
BA 72-441 (ABBEY)	5.0	5.5	5.3	5.2	5.8	5.5	7.0	5.8	5.8	5.2	4.7	5.9	6.0	6.8	6.4	5.6	5.6	4.3	6.4	5.3	3.4	5.6
MERIT	5.8	6.0	5.4	5.0	5.7	5.4	6.5	6.0	5.7	5.3	5.6	5.8	6.3	6.7	6.3	5.0	5.0	4.7	6.4	5.3	3.8	5.6
LIBERTY	5.6	5.1	5.1	5.0	5.3	5.3	6.5	5.5	5.3	6.1	4.1	.	6.7	6.6	6.5	5.3	4.8	4.8	6.3	5.7	4.9	5.6
K3-178	6.0	4.5	5.1	5.2	5.4	5.1	6.8	5.6	5.2	5.7	4.1	5.0	6.4	7.0	6.3	5.4	4.9	5.0	6.4	6.4	3.9	5.6
WW AG 495	5.8	5.6	5.7	4.8	5.9	5.5	6.7	5.9	6.2	5.4	4.2	5.4	6.3	7.0	6.9	5.0	4.6	4.1	6.0	4.5	3.8	5.6
NE 80-88	.	5.7	5.4	6.2	5.5	5.1	6.5	5.6	4.9	5.4	4.3	.	5.9	7.1	6.2	4.8	4.5	4.3	6.4	3.8	.	5.6
WW AG 491	5.3	4.8	5.9	5.2	4.8	4.7	7.0	5.9	5.5	5.3	5.7	5.7	6.4	6.6	6.5	5.0	4.7	4.9	6.1	5.4	4.5	5.6
IKONE	6.4	4.9	5.7	5.1	5.7	5.9	6.2	5.6	5.3	5.8	3.8	4.9	6.1	6.8	6.6	5.1	4.8	4.6	6.4	6.3	4.1	5.5
AQUILA	5.9	6.0	6.0	5.3	5.6	5.5	5.7	5.6	5.5	5.3	5.2	4.8	6.4	6.7	6.8	4.9	5.1	4.8	6.2	4.1	5.1	5.5
WELCOME	5.6	5.0	5.5	5.5	5.3	5.4	7.0	5.5	4.3	5.2	5.7	6.8	6.5	7.5	6.5	5.1	5.3	4.0	6.1	2.6	4.5	5.5
NASSAU	5.9	4.7	4.9	4.9	5.4	5.4	7.0	6.3	5.2	5.9	3.6	5.1	5.8	6.6	6.6	4.9	5.2	4.5	6.3	6.0	4.9	5.5
COMPACT	6.0	5.6	5.7	5.8	4.5	4.3	7.0	5.5	5.3	4.8	5.4	.	5.6	6.6	6.4	5.1	5.0	4.5	6.1	4.0	6.9	5.5
BA 70-242 (MARQUIS)	5.8	4.4	4.8	4.5	5.2	5.2	6.3	6.1	4.8	5.4	4.6	5.8	6.3	6.3	6.7	5.3	5.0	4.5	6.6	4.7	5.3	5.5
HV 97 (COCKTAIL)	5.9	5.8	5.6	5.1	5.3	5.0	6.2	5.7	5.3	6.0	3.3	4.6	6.1	7.1	6.9	4.7	4.8	4.4	6.2	5.1	6.9	5.5
HARMONY	5.9	5.5	5.6	4.9	4.4	4.1	6.2	5.5	5.4	4.6	5.1	5.7	6.4	6.3	6.1	5.1	5.2	4.1	6.3	3.5	4.9	5.5
BAR VB 577 (BARLYMPIA)	5.7	5.1	5.3	4.9	5.4	5.3	6.3	5.8	5.4	5.8	5.7	5.0	5.8	6.9	6.0	4.5	4.2	4.1	6.2	6.2	5.8	5.5
GNOME	6.1	4.6	5.2	5.1	5.5	5.2	6.0	5.5	5.8	5.0	4.3	.	5.7	6.7	6.5	5.2	4.5	3.8	6.5	5.1	3.4	5.4
MERION	5.9	5.7	5.5	4.7	5.6	5.3	6.2	6.0	4.7	5.7	4.4	6.5	6.5	6.7	6.1	5.1	5.3	4.2	6.2	5.9	4.1	5.4
DESTINY	.	4.9	5.4	4.8	5.2	4.9	6.8	6.1	5.2	5.7	3.8	.	6.1	6.7	6.2	5.1	4.9	4.2	6.3	4.9	5.8	5.4
WW AG 468	5.6	6.3	5.3	4.4	4.8	4.6	6.2	6.1	5.3	5.0	4.8	6.8	6.9	6.8	6.8	4.9	5.0	3.0	6.5	4.4	6.1	5.3
HUNTSVILLE	5.5	5.1	5.3	4.9	4.6	4.5	6.7	5.5	4.8	5.0	4.9	.	6.3	7.0	6.3	4.9	4.2	4.0	6.0	2.6	3.1	5.3
AMAZON	5.9	5.1	4.9	4.5	5.5	5.1	6.7	5.6	6.0	5.2	4.9	3.4	5.9	7.4	7.6	5.2	4.6	4.0	5.8	4.5	5.4	5.3
ANNIKA	5.3	5.6	5.7	5.8	5.1	4.9	6.8	5.2	4.8	4.8	4.4	.	5.9	7.0	5.6	4.7	4.3	3.5	5.8	4.3	5.8	5.3
BARZAN	6.3	4.3	5.2	4.8	5.0	5.1	6.2	4.6	4.8	5.5	4.8	.	5.4	6.8	5.5	4.6	4.9	3.8	5.9	2.7	5.2	5.2
KENBLUE	5.1	5.5	5.1	4.9	3.5	3.3	7.0	5.1	4.7	4.4	5.0	3.9	5.4	6.9	4.8	4.3	4.3	4.3	5.3	2.1	5.7	5.0
JOY	5.0	4.7	5.4	4.8	3.6	3.5	6.8	5.1	4.8	4.0	4.7	4.5	5.2	6.6	4.9	4.5	4.2	4.2	5.4	1.7	6.0	5.0
S.D. CERTIFIED	4.6	5.1	5.7	4.8	3.9	3.4	6.8	5.3	4.9	4.1	4.8	3.9	5.2	7.0	5.0	4.4	4.6	3.9	5.6	1.5	5.3	4.9
LSD VALUE	1.0	0.8	0.8	1.0	0.5	0.6	1.3	1.0	1.2	0.4	1.2	1.1	0.6	0.4	0.4	0.5	0.5	0.5	0.6	0.8	1.7	0.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR  
EACH MONTH GROWN AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA  
1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BLACKSBURG	6.0	5.6	5.4	6.3	6.5	6.5	6.5	6.5	6.2	6.3	6.5	5.6	6.3
MIDNIGHT	5.6	5.2	4.8	5.9	6.3	6.5	6.4	6.5	6.4	6.5	6.7	5.8	6.2
P-104 (PRINCETON 104)	5.8	6.2	5.5	6.0	6.2	6.4	6.2	6.2	6.0	6.2	6.4	6.0	6.1
ASSET	5.9	5.6	5.5	6.0	6.3	6.2	6.1	6.0	6.0	6.1	6.3	5.8	6.1
LOFTS 1757	5.8	5.8	5.7	6.1	6.0	5.9	6.0	6.1	6.0	6.2	6.4	6.0	6.0
AMERICA	5.0	5.0	5.3	6.0	5.9	6.0	6.2	6.2	6.1	6.0	6.1	5.1	6.0
ECLIPSE	4.9	5.0	5.3	6.0	6.1	6.4	6.3	6.2	6.1	6.0	6.1	5.0	6.0
BA 72-500 (CHATEAU)	5.4	5.3	5.1	6.1	6.1	6.1	6.1	5.8	5.7	6.0	6.1	5.4	6.0
F-1872 (FREEDOM)	5.6	5.8	6.0	6.2	5.9	5.7	5.7	5.6	5.9	6.3	6.3	5.8	5.9
BRISTOL	6.0	5.8	5.6	6.0	5.8	5.8	5.9	6.0	6.0	6.1	6.2	6.0	5.9
BA 73-540	5.5	5.3	5.0	6.0	5.9	6.1	6.1	5.7	5.8	6.0	6.2	5.5	5.9
GLADE	5.3	4.9	4.9	5.6	5.9	6.2	6.0	5.9	5.9	6.0	6.1	5.4	5.9
A-34	5.4	5.4	5.7	6.0	5.9	5.9	5.9	5.8	5.7	5.9	6.0	5.3	5.9
CHALLENGER	5.7	5.4	5.4	5.9	5.9	6.0	6.0	5.9	6.0	5.9	6.0	5.8	5.9
BA 70-139 (COVENTRY)	5.5	5.2	5.0	6.0	6.0	6.0	5.9	5.8	5.7	6.0	6.1	5.6	5.9
ASPEN	5.3	5.3	5.6	5.9	6.0	6.0	5.9	6.0	5.9	5.9	6.0	5.3	5.8
BA 72-492 (ESTATE)	5.8	5.7	5.2	6.0	6.0	6.0	6.0	5.8	5.7	6.0	6.2	5.6	5.8
ABLE I	5.2	5.0	4.8	5.7	6.1	6.3	6.0	5.8	5.7	5.9	6.0	5.3	5.8
CLASSIC	5.7	5.6	5.9	6.1	5.8	5.7	5.8	5.7	5.7	6.0	6.2	5.9	5.8
SYDSPORT	5.4	5.3	5.0	5.9	6.1	6.1	6.0	5.7	5.8	5.9	6.1	5.5	5.8
WW AG 496	4.8	5.2	5.3	6.0	6.0	6.0	5.9	5.7	5.8	5.8	5.8	5.2	5.8
CHERI	5.2	5.1	4.9	5.9	5.8	5.9	6.0	5.8	5.7	5.9	6.1	5.4	5.8
BA 69-82	5.4	5.4	5.1	5.9	5.8	5.9	5.9	5.7	5.7	6.0	6.1	5.3	5.8
JULIA	5.7	5.5	5.4	6.1	6.0	5.9	5.9	5.8	5.8	5.9	6.1	5.5	5.8
PST-CB1	5.9	5.9	5.9	6.1	5.7	5.7	5.7	5.7	5.8	6.0	6.0	5.6	5.8
TRENTON	5.6	5.5	5.6	5.9	5.8	5.8	5.8	5.7	5.7	6.0	6.1	5.6	5.8
RUGBY	5.5	5.5	5.7	5.9	5.7	5.7	5.7	5.6	5.8	6.0	6.1	5.5	5.8
HAGA	5.6	5.6	5.6	6.0	5.8	5.8	5.7	5.6	5.7	5.9	6.0	5.6	5.8
WABASH	4.5	4.7	5.2	5.2	5.2	5.4	5.9	6.2	6.1	6.2	6.1	5.1	5.8
SOMERSET	5.1	5.2	5.2	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.4	5.8
RAM-1	4.9	4.8	5.1	5.7	5.8	6.0	5.8	5.6	5.6	5.8	6.2	5.4	5.7
DAWN	5.8	5.9	5.7	5.8	5.9	5.9	5.7	5.5	5.6	5.9	6.0	5.7	5.7
BAR VB 534	5.2	5.5	4.9	5.3	5.5	5.8	5.9	5.8	5.7	5.7	6.0	5.2	5.7
239 (SUFFOLK)	5.4	5.6	5.8	6.0	5.8	5.7	5.6	5.6	5.7	6.0	6.1	5.8	5.7
BA 73-626 (KELLY)	4.8	4.8	4.7	5.6	5.7	5.9	6.0	5.8	5.7	5.7	5.9	5.0	5.7
TENDOS	6.0	6.0	5.3	5.9	5.9	5.8	5.7	5.6	5.6	5.8	6.0	6.0	5.7
K1-152	5.4	5.4	5.6	5.9	5.7	5.7	5.5	5.6	5.8	6.0	6.2	5.4	5.7
LIBERTY	5.3	5.5	5.4	5.8	5.7	5.8	5.8	5.7	5.6	5.8	5.8	5.4	5.7
GEORGETOWN	5.2	5.2	5.7	5.9	5.8	5.7	5.7	5.6	5.7	5.8	5.9	5.4	5.7
MONOPOLY	5.1	5.3	5.5	6.0	5.8	5.7	5.7	5.6	5.6	5.7	5.9	5.4	5.7
CYNTHIA	5.5	5.2	5.0	5.4	5.6	5.8	5.8	5.8	5.7	5.7	6.0	5.4	5.7
VICTA	5.0	4.9	4.9	5.6	5.7	5.9	6.0	5.8	5.7	5.7	5.9	5.0	5.7
PARADE	5.4	5.2	5.5	5.8	5.6	5.6	5.6	5.5	5.7	5.9	6.0	5.4	5.7
BA 72-441 (ABBAY)	4.8	4.7	4.6	5.5	5.7	6.0	5.9	5.8	5.7	5.8	5.8	5.2	5.7
MYSTIC	3.7	3.9	4.8	5.2	5.6	6.0	6.1	6.0	5.7	5.5	5.6	4.4	5.7

TABLE 2. (continued) MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH MONTH GROWN AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA 1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CONNI	5.2	5.6	5.0	5.5	5.8	5.9	5.8	5.6	5.3	5.8	5.8	5.3	5.7
K3-178	5.5	5.7	5.8	6.0	5.7	5.6	5.6	5.5	5.7	5.9	6.0	5.5	5.7
BARON	4.8	4.7	4.6	5.5	5.6	5.9	5.9	5.8	5.6	5.6	5.8	5.1	5.7
MERIT	5.0	4.9	4.7	5.5	5.6	5.9	5.9	5.8	5.6	5.6	5.8	5.2	5.7
IKONE	5.4	5.3	5.2	5.9	5.8	5.8	5.7	5.6	5.6	5.7	5.9	5.2	5.6
NE 80-88	4.5	4.9	5.4	5.4	5.3	5.7	5.9	6.0	6.0	5.9	5.8	4.7	5.6
AQUILA	4.8	4.7	5.1	5.4	5.5	5.8	5.7	5.7	5.6	5.8	6.0	5.1	5.6
WW AG 495	4.6	4.8	5.0	5.6	5.8	5.9	5.7	5.7	5.5	5.5	5.6	4.6	5.6
HV 97 (COCKTAIL)	5.2	5.2	5.0	5.5	5.7	5.8	5.7	5.4	5.4	5.7	5.8	5.1	5.6
NASSAU	5.6	5.5	5.4	5.8	5.5	5.6	5.6	5.6	5.5	5.6	5.6	5.3	5.6
WW AG 491	4.9	5.0	5.1	5.6	5.7	5.8	5.7	5.5	5.4	5.5	5.6	4.9	5.6
EA 70-242 (MARQUIS)	4.5	4.6	4.9	5.5	5.5	5.7	5.8	5.7	5.6	5.7	5.7	5.0	5.5
WELCOME	4.5	4.6	4.7	5.4	5.7	5.8	5.7	5.7	5.5	5.6	5.6	4.7	5.5
BAR VB 577 (BARLYMPIA)	5.3	5.4	5.4	5.7	5.5	5.5	5.5	5.3	5.3	5.4	5.6	5.6	5.5
MERION	5.1	5.0	4.9	5.6	5.5	5.8	5.9	5.8	5.5	5.1	5.2	4.7	5.5
HARMONY	4.8	4.7	4.6	5.1	5.3	5.5	5.6	5.5	5.4	5.5	5.5	5.0	5.4
DESTINY	5.3	5.5	5.1	5.5	5.5	5.5	5.5	5.4	5.3	5.4	5.4	5.0	5.4
GNOME	4.6	4.5	4.7	5.4	5.4	5.7	5.8	5.6	5.5	5.4	5.6	4.8	5.4
COMPACT	4.6	4.7	4.6	5.0	5.1	5.4	5.6	5.4	5.3	5.6	5.4	4.8	5.4
WW AG 468	4.1	4.3	4.5	5.4	5.7	5.7	5.7	5.6	5.4	4.9	4.7	3.9	5.4
AMAZON	3.8	4.0	4.6	5.4	5.6	5.9	5.7	5.4	5.2	5.5	5.4	4.0	5.4
HUNTSVILLE	4.7	4.7	5.2	4.9	4.9	5.2	5.6	5.7	5.7	5.6	5.6	4.7	5.3
BARZAN	4.7	4.7	4.5	5.0	5.0	5.4	5.5	5.4	5.4	5.5	5.7	5.0	5.2
ANNIKA	4.4	4.7	4.6	5.2	5.3	5.4	5.3	5.1	4.9	5.2	5.1	4.6	5.2
JOY	3.7	3.8	5.0	4.7	4.5	4.8	5.2	5.1	5.1	5.1	5.0	4.2	5.0
KENBLUE	4.0	3.9	5.0	4.5	4.4	4.8	5.2	5.3	5.1	5.2	5.0	4.1	5.0
S.D. CERTIFIED	3.4	3.7	4.9	4.6	4.4	4.7	5.0	5.1	5.1	5.0	4.9	4.1	4.9
	2.5	3.0	.	3.0	.	.	.	.	.	.	.	3.5	3.0
LSD VALUE	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS  
CULTIVARS AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA 1/  
1986-1990 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

NAME	BC1	CA2	CA3	CA4	DC1	GA1	IA1	ID1	ID2	IL1	IL2	IN1	KS1	KS2	KY1	MB1	MD1	MI1	MN1	MO1	NC2
BLACKSBURG	5	33.0	55.0	11.5	67	27.0	27.0	34.5	3	11.0	1.0	10	2.0	3	2.0	6.5	3.0	8	17.5	24	37.5
MIDNIGHT	26	38.0	9.0	3.0	30	33.5	64.0	4.5	1	29.0	31.0	3	1.0	1	25.0	23.0	1.0	2	60.0	32	58.0
P-104 (PRINCETON 104)	9	70.0	60.5	40.0	66	61.0	39.0	34.5	15	7.0	27.0	20	23.0	2	55.0	46.0	2.0	1	6.5	28	23.5
ASSET	12	44.0	13.0	18.0	4	12.0	61.0	69.5	9	33.0	68.0	7	32.0	21	11.0	12.0	47.0	6	2.5	34	10.0
BA 72-500 (CHATEAU)	10	42.5	30.0	18.0	40	4.5	52.0	1.0	64	49.0	13.0	36	20.0	18	45.0	36.0	54.0	26	24.5	2	10.0
LOFTS 1757	18	71.0	50.0	2.0	38	24.5	11.0	25.5	26	34.0	42.0	24	10.0	4	47.0	43.0	9.0	5	37.0	14	47.0
BA 70-139 (COVENTRY)	7	8.0	41.0	31.5	33	12.0	67.0	18.0	47	54.0	3.0	68	17.0	39	44.0	48.0	37.0	23	12.0	4	47.0
F-1872 (FREEDOM)	.	17.5	16.0	.	.	33.5	3.0	25.5	22	16.0	35.0	45	.	41	31.0	51.0	12.0	41	6.5	1	67.0
BA 73-540	6	14.5	32.0	26.5	20	12.0	48.0	43.0	25	40.0	19.0	71	44.5	24	43.0	29.0	11.0	19	65.5	40	15.5
AMERICA	53	16.0	64.0	41.5	29	18.5	35.0	72.0	13	39.0	8.0	2	4.0	9	1.0	25.0	35.0	34	51.0	23	23.5
ECLIPSE	23	50.0	69.0	34.5	51	49.0	31.0	11.0	4	25.0	33.0	17	15.5	8	9.0	22.0	17.0	3	70.0	48	67.0
ASPEN	45	10.0	54.0	34.5	42	52.5	47.0	34.5	63	4.0	21.0	18	6.0	16	4.0	24.0	22.0	11	60.0	31	37.5
BA 72-492 (ESTATE)	3	26.0	35.5	6.5	25	1.5	49.0	25.5	37	55.0	17.5	53	43.0	42	41.0	43.0	53.0	51	72.0	6	15.5
GLADE	15	2.0	37.0	14.0	6	57.0	60.0	65.5	7	69.5	57.0	43	36.0	13	21.5	16.0	40.0	15	51.0	30	47.0
CLASSIC	35	1.0	12.0	14.0	35	33.5	23.0	50.0	32	27.0	45.0	27	21.0	50	7.0	29.0	14.0	25	12.0	5	67.0
WW AG 496	24	67.0	33.0	46.5	17	52.5	25.0	25.5	51	13.0	5.0	49	.	19	30.0	8.0	5.0	58	24.5	29	10.0
ABLE I	48	62.0	63.0	1.0	53	22.5	15.0	25.5	14	14.5	43.0	11	5.0	51	19.0	17.5	31.0	12	37.0	54	30.0
WABASH	58	20.0	44.0	50.5	1	43.0	2.0	43.0	62	2.0	2.0	5	46.5	67	6.0	20.0	42.0	46	2.5	10	20.0
A-34	11	40.0	29.0	18.0	7	49.0	19.0	55.5	10	8.0	39.5	21	52.0	34	36.0	29.0	4.0	63	37.0	9	67.0
BA 69-82	13	64.0	25.0	34.5	11	4.5	55.0	4.5	42	21.0	29.5	66	34.0	35	26.0	38.0	65.0	29	65.5	19	15.5
BAR VB 534	40	42.5	27.0	59.5	39	1.5	33.0	60.0	40	45.0	60.0	9	.	58	57.0	9.0	8.0	64	2.5	50	37.5
CHERI	8	23.0	21.0	31.5	49	12.0	71.0	11.0	23	41.0	39.5	62	13.0	23	34.5	17.5	52.0	31	65.5	18	3.0
BRISTOL	28	30.5	38.0	6.5	47	57.0	53.0	18.0	60	53.0	35.0	42	14.0	10	17.0	51.0	23.0	7	51.0	12	58.0
RUGBY	33	6.5	2.0	6.5	48	18.5	10.0	11.0	36	37.0	6.5	28	38.0	37	13.0	63.5	28.0	60	6.5	15	47.0
CHALLENGER	38	47.0	26.0	9.5	54	12.0	65.0	34.5	35	6.0	63.5	8	3.0	5	20.0	29.0	66.0	4	37.0	35	72.0
SYDSPORT	4	23.0	17.0	14.0	27	7.5	63.0	34.5	18	58.0	46.0	69	7.0	32	40.0	29.0	61.0	20	51.0	21	47.0
TRENTON	21	4.5	11.0	4.0	26	12.0	21.0	34.5	30	5.0	54.0	16	41.0	43	12.0	61.5	13.0	43	37.0	7	67.0
PST-CB1	.	68.0	28.0	6.5	28	18.5	29.0	43.0	27	19.0	22.0	26	24.0	40	5.0	54.5	10.0	10	24.5	3	30.0
SOMERSET	52	62.0	52.0	46.5	43	70.0	12.0	4.5	34	23.0	38.0	4	53.0	55	8.0	34.0	58.0	33	17.5	8	47.0
RAM-1	19	28.5	34.0	26.5	55	27.0	59.0	11.0	2	69.5	71.0	55	9.0	52	49.0	11.0	48.0	9	37.0	45	30.0
CONNI	.	58.0	20.0	.	64	22.5	56.0	25.5	21	71.0	61.0	58	49.0	61	52.5	3.5	20.0	56	51.0	72	10.0
BARON	41	26.0	58.0	23.0	37	4.5	42.0	11.0	29	62.0	17.5	31	19.0	27	60.0	43.0	18.0	54	37.0	44	3.0
MYSTIC	59	33.0	65.0	63.0	32	33.5	13.0	63.5	43	1.0	50.0	1	42.0	69	27.0	3.5	6.0	21	2.5	38	30.0
CYNTHIA	25	20.0	56.0	52.0	46	7.5	34.0	50.0	8	18.0	58.0	6	22.0	64	56.0	1.5	41.0	62	24.5	43	30.0
TENDOS	2	10.0	3.0	29.5	50	33.5	18.0	55.5	17	64.5	70.0	23	18.0	17	63.0	61.5	63.0	18	17.5	27	30.0
239 (SUFFOLK)	54	10.0	1.0	41.5	31	33.5	28.0	18.0	66	20.0	20.0	38	25.0	60	18.0	38.0	36.0	40	24.5	11	37.5
HAGA	31	36.5	24.0	20.5	10	12.0	45.0	18.0	28	9.5	63.5	14	33.0	38	21.5	34.0	19.0	36	65.5	36	47.0
GEORGETOWN	36	20.0	51.0	9.5	24	43.0	8.0	4.5	52	22.0	47.0	22	28.0	28	10.0	65.0	33.0	35	37.0	25	47.0
MONOPOLY	34	36.5	48.5	54.0	2	43.0	5.0	55.5	49	14.5	4.0	13	56.0	65	23.0	70.0	44.5	49	12.0	39	15.5
JULIA	16	40.0	59.0	20.5	3	61.0	16.0	34.5	61	38.0	9.5	57	.	45	34.5	38.0	69.0	50	65.5	13	58.0
K1-152	32	6.5	10.0	26.5	12	4.5	32.0	60.0	16	35.0	35.0	50	30.0	59	14.0	54.5	50.0	44	51.0	20	58.0
BA 73-626 (KELLY)	30	50.0	19.0	45.0	14	49.0	36.0	11.0	58	64.5	23.0	29	50.5	12	42.0	43.0	21.0	42	37.0	59	6.0
VICTA	17	12.5	46.0	37.5	19	27.0	38.0	18.0	50	72.0	15.5	35	26.0	7	33.0	58.0	24.0	37	51.0	56	6.0
DAWN	.	17.5	8.0	23.0	18	33.5	54.0	34.5	39	32.0	62.0	72	39.0	26	24.0	66.0	32.0	13	51.0	22	58.0
PARADE	42	12.5	31.0	16.0	13	43.0	20.0	67.5	48	12.0	48.0	33	40.0	30	15.0	20.0	39.0	27	12.0	26	58.0

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS  
CULTIVARS AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA  
1986-1990 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	BC1	CA2	CA3	CA4	DC1	GA1	IA1	ID1	ID2	IL1	IL2	IN1	KS1	KS2	KY1	MB1	MD1	MI1	MN1	MO1	NC2
BA 72-441 (ABBEY)	27	53.0	4.0	49.0	23	43.0	50.5	25.5	45	63.0	25.0	39	46.5	25	48.0	29.0	25.0	16	24.5	55	47.0
MERIT	20	26.0	6.0	48.0	15	43.0	66.0	65.5	11	51.0	41.0	48	29.0	14	62.0	48.0	43.0	45	12.0	46	3.0
LIBERTY	.	4.5	23.0	.	36	57.0	40.0	25.5	24	43.0	37.0	37	35.0	31	29.0	54.5	29.0	24	60.0	41	47.0
K3-178	43	14.5	15.0	26.5	44	33.5	17.0	50.0	33	44.0	52.0	40	48.0	49	3.0	54.5	30.0	14	51.0	17	47.0
WW AG 495	57	62.0	68.0	43.5	8	43.0	14.0	4.5	6	30.0	55.0	56	.	57	51.0	14.0	46.0	55	6.5	67	23.5
NE 80-88	.	50.0	43.0	.	.	70.0	26.0	43.0	70	3.0	29.5	19	.	56	50.0	40.0	56.0	28	24.5	33	47.0
WW AG 491	51	54.0	53.0	50.5	16	18.5	30.0	34.5	46	42.0	59.0	34	.	63	16.0	29.0	34.0	53	51.0	53	20.0
IKONE	39	50.0	47.0	39.0	9	66.5	22.0	18.0	67	46.0	24.0	65	27.0	20	59.0	51.0	51.0	48	37.0	16	10.0
AQUILA	49	28.5	7.0	43.5	41	66.5	9.0	43.0	38	57.0	49.0	25	.	66	46.0	10.0	7.0	59	24.5	51	67.0
WELCOME	1	65.5	40.0	.	63	66.5	46.0	11.0	41	60.0	66.0	12	37.0	36	66.0	5.0	55.0	69	12.0	64	58.0
NASSAU	50	45.5	22.0	11.5	62	43.0	37.0	4.5	44	48.0	56.0	41	11.0	6	39.0	58.0	57.0	38	37.0	57	67.0
COMPACT	.	23.0	42.0	.	60	33.5	70.0	63.5	20	50.0	14.0	61	58.0	68	61.0	14.0	16.0	68	65.5	60	1.0
BA 70-242 (MARQUIS)	47	56.5	39.0	23.0	52	57.0	41.0	50.0	71	36.0	9.5	52	44.5	29	37.0	68.5	15.0	22	51.0	65	15.5
HV 97 (COCKTAIL)	14	72.0	45.0	55.0	56	64.0	43.0	60.0	5	61.0	26.0	63	55.0	46	65.0	6.5	26.0	57	60.0	61	30.0
HARMONY	29	45.5	18.0	.	45	18.5	24.0	60.0	31	26.0	6.5	47	15.5	47	68.0	43.0	38.0	66	24.5	42	15.5
BAR VB 577 (BARLYMPIA)	46	3.0	5.0	37.5	58	43.0	69.0	55.5	54	67.0	69.0	32	54.0	48	58.0	63.5	70.0	39	51.0	37	47.0
GNOME	55	55.0	72.0	29.5	22	33.5	68.0	18.0	68	66.0	12.0	46	12.0	33	54.0	34.0	67.0	30	37.0	58	23.5
MERION	44	56.5	66.0	57.5	61	63.0	72.0	34.5	69	28.0	67.0	15	31.0	22	28.0	60.0	71.0	32	37.0	69	37.5
DESTINY	.	30.5	48.5	.	65	52.5	62.0	50.0	55	47.0	65.0	70	.	11	32.0	68.5	68.0	17	70.0	68	58.0
WW AG 468	56	69.0	70.0	53.0	69	72.0	50.5	67.5	65	59.0	44.0	44	.	15	38.0	48.0	72.0	47	17.5	71	37.5
HUNTSVILLE	.	33.0	14.0	34.5	34	57.0	7.0	50.0	56	17.0	11.0	30	.	62	52.5	58.0	60.0	52	37.0	49	20.0
AMAZON	37	35.0	71.0	56.0	68	24.5	44.0	71.0	19	56.0	32.0	67	.	54	64.0	1.5	27.0	65	37.0	63	67.0
ANNIKA	.	59.5	57.0	.	70	61.0	58.0	50.0	59	52.0	72.0	64	8.0	53	70.0	14.0	64.0	72	60.0	52	58.0
BARZAN	22	65.5	35.5	57.5	59	18.5	57.0	43.0	12	68.0	51.0	60	50.5	44	71.0	20.0	44.5	61	70.0	70	30.0
KENBLUE	61	50.0	67.0	59.5	21	52.5	1.0	43.0	53	9.5	53.0	54	60.0	71	69.0	67.0	49.0	70	51.0	66	30.0
JOY	60	59.5	62.0	61.0	5	70.0	6.0	69.5	57	24.0	28.0	59	57.0	70	67.0	72.0	62.0	67	24.5	47	6.0
S.D. CERTIFIED	62	40.0	60.5	62.0	57	66.5	4.0	60.0	72	31.0	15.5	51	59.0	72	72.0	71.0	59.0	71	12.0	62	67.0

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS  
CULTIVARS AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA 1/  
1986-1990 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

NAME	NC4	NE1	NE2	NE3	NJ1	NJ2	NM2	OH1	OK1	OR1	PA1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	WA1	WA3	WA4	MEAN
BLACKSBURG	6.5	10.0	45.5	11.5	2	1	64.5	17.5	54.0	1.0	1.5	1.0	1.0	11.0	1	7.0	1.0	33	1.0	19.5	30.0	1
MIDNIGHT	14.5	7.0	8.0	14.5	1	2	2.5	3.0	25.0	2.0	47.5	22.5	9.0	6.5	2	4.0	8.0	2	4.0	7.0	70.0	2
P-104 (PRINCETON 104)	12.0	39.0	26.5	20.0	3	3	72.0	17.5	39.0	3.0	13.5	.	6.5	65.0	6	1.0	27.5	39	2.0	1.0	46.0	3
ASSET	39.0	40.0	17.0	29.5	5	6	39.0	5.0	9.5	6.0	31.0	11.0	13.5	14.5	16	14.0	3.0	58	18.5	3.0	26.5	4
BA 72-500 (CHATEAU)	35.0	16.0	1.5	8.5	25	16	64.5	1.0	49.5	16.0	38.5	14.5	12.0	56.5	37	13.0	5.0	6	6.0	10.5	10.0	5
LOFTS 1757	25.5	51.0	71.0	58.0	4	4	12.0	38.0	2.5	11.0	28.0	32.5	13.5	50.5	9	3.0	9.0	35	20.0	12.0	40.5	6
BA 70-139 (COVENTRY)	56.5	38.0	3.5	14.5	33	46	31.0	7.0	29.5	26.0	18.0	40.5	47.0	56.5	38	5.0	13.0	1	46.0	5.0	20.0	7
F-1872 (FREEDOM)	65.0	15.0	50.0	58.0	45	51	22.0	53.0	33.5	33.0	28.0	.	33.0	34.5	48	26.0	35.5	9	31.5	33.0	8.0	8
BA 73-540	49.0	28.0	3.5	5.0	21	24	47.5	4.0	1.0	20.0	52.0	16.5	17.0	55.0	21	47.0	4.0	36	5.0	14.0	55.0	9
AMERICA	67.5	18.0	69.5	35.5	13	8	5.5	8.0	16.5	14.0	4.0	32.5	10.0	2.0	4	12.0	58.0	11	12.0	53.0	1.0	10
ECLIPSE	6.5	12.0	15.5	17.0	6	5	47.5	29.5	5.0	5.0	34.0	9.0	2.0	9.0	5	2.0	23.0	31	8.0	59.0	49.0	11
ASPEN	2.5	48.5	33.5	24.0	11	11	39.0	67.5	49.5	32.0	5.5	5.0	25.0	9.0	7	43.0	15.0	3	44.0	37.0	53.0	12
BA 72-492 (ESTATE)	6.5	42.0	1.5	7.0	18	26	22.0	9.0	32.0	13.0	50.0	32.5	18.0	44.0	27	44.0	26.0	8	22.0	4.0	62.5	13
GLADE	1.0	8.0	13.5	5.0	12	14	47.5	16.0	69.5	43.0	23.5	9.0	19.0	34.5	13	39.0	17.0	38	21.0	41.0	51.5	14
CLASSIC	67.5	44.0	33.5	58.0	29	34	2.5	63.0	25.0	23.0	49.0	35.5	49.0	12.0	56	18.0	41.0	5	57.0	17.5	17.0	15
WW AG 496	35.0	6.0	33.5	29.5	37	19	1.0	24.5	49.5	40.0	23.5	16.5	23.0	29.0	32	27.0	7.0	42	58.0	24.0	60.0	16
ABLE I	18.0	56.5	28.5	35.5	9	9	22.0	54.5	59.5	10.0	20.0	2.0	6.5	22.0	14	56.0	37.0	50	13.0	21.5	17.0	17
WABASH	49.0	35.0	6.5	2.5	64	60	47.5	35.5	22.0	65.0	3.0	55.5	11.0	6.5	40	46.0	16.0	19	63.0	57.0	26.5	18
A-34	39.0	5.0	9.0	11.5	50	58	39.0	26.5	2.5	22.0	23.5	12.5	3.0	72.0	51	30.0	35.5	30	51.0	21.5	23.5	19
BA 69-82	35.0	50.0	42.5	24.0	57	44	31.0	2.0	9.5	24.0	67.0	20.0	28.0	29.0	28	16.0	12.0	24	35.0	10.5	20.0	20
BAR VB 534	43.5	1.0	18.5	1.0	32	29	39.0	43.0	9.5	52.0	15.5	12.5	5.0	4.5	25	38.0	59.0	53	71.0	38.0	12.0	21
CHERI	12.0	20.0	5.0	29.5	35	22	56.0	15.0	54.0	27.0	55.5	32.5	21.5	67.0	26	29.0	42.0	20	10.0	30.0	4.0	22
BRISTOL	61.0	19.0	67.0	45.0	7	10	70.5	21.0	13.0	7.0	23.5	25.0	24.0	31.5	19	41.0	33.0	40	29.5	6.0	20.0	23
RUGBY	6.5	13.5	45.5	58.0	31	40	56.0	50.5	39.0	35.0	34.0	49.5	31.0	38.0	52	19.0	53.0	10	28.0	31.0	49.0	24
CHALLENGER	43.5	33.0	39.0	41.0	8	12	22.0	12.0	33.5	4.0	62.5	35.5	21.5	37.0	18	53.0	66.0	32	9.0	27.0	17.0	25
SYDSPORT	35.0	41.0	30.0	29.5	20	18	47.5	22.0	49.5	17.0	38.5	28.5	57.0	40.0	23	25.0	11.0	7	3.0	13.0	28.5	26
TRENTON	53.0	58.0	36.5	20.0	28	41	64.5	57.0	15.0	31.0	44.0	40.5	15.0	59.5	41	24.0	57.0	12	38.5	17.5	51.5	27
PST-CB1	49.0	63.0	41.0	69.5	58	62	12.0	48.5	9.5	15.0	38.5	.	30.0	71.0	45	22.5	29.0	14	33.0	36.0	34.0	28
SOMERSET	69.0	29.0	13.5	17.0	34	23	56.0	38.0	61.5	45.0	1.5	7.0	40.0	34.5	42	32.0	47.0	55	48.5	16.0	3.0	29
RAM-1	6.5	4.0	56.5	24.0	10	7	22.0	19.0	56.0	34.0	31.0	43.0	60.0	9.0	39	31.0	30.0	66	24.0	61.0	11.0	30
CONNI	18.0	43.0	26.5	5.0	23	49	31.0	64.5	45.0	12.0	12.0	.	4.0	31.5	24	61.0	56.0	59	7.0	43.0	2.0	31
BARON	25.5	23.0	42.5	20.0	46	32	47.5	33.5	25.0	57.0	15.5	18.0	59.0	17.0	35	51.0	14.0	23	35.0	47.0	37.0	32
MYSTIC	61.0	3.0	10.5	8.5	40	21	5.5	38.0	57.0	66.0	10.5	3.0	20.0	4.5	10	68.0	21.0	48	43.0	69.0	5.5	33
CYNTHIA	53.0	59.0	58.5	29.5	30	17	64.5	32.0	25.0	53.0	5.5	28.5	36.0	17.0	8	57.0	64.0	43	67.0	25.0	9.0	34
TENDOS	12.0	27.0	31.0	41.0	15	31	12.0	29.5	66.5	8.0	59.5	.	68.0	44.0	67	22.5	50.0	49	45.0	8.0	57.0	35
239 (SUFFOLK)	49.0	45.0	63.5	65.5	53	48	64.5	46.0	19.5	36.0	44.0	51.0	38.0	44.0	29	9.0	20.0	4	53.0	32.0	58.0	36
HAGA	61.0	35.0	61.0	50.0	41	38	39.0	66.0	13.0	28.0	55.5	47.0	43.0	21.0	57	11.0	45.0	28	52.0	2.0	37.0	37
GEORGETOWN	10.0	55.0	58.5	24.0	39	33	31.0	57.0	45.0	41.0	65.0	38.0	54.0	26.5	54	37.0	39.0	27	37.0	40.0	37.0	38
MONOPOLY	53.0	47.0	50.0	71.5	51	63	22.0	64.5	19.5	60.0	44.0	14.5	27.0	66.0	65	8.0	54.0	13	68.0	46.0	14.5	39
JULIA	25.5	64.0	15.5	24.0	14	13	5.5	29.5	29.5	9.0	72.0	43.0	32.0	19.5	11	35.0	10.0	21	15.0	9.0	31.5	40
K1-152	43.5	37.0	61.0	71.5	48	53	39.0	59.0	13.0	49.5	23.5	20.0	39.0	59.5	33	15.0	51.0	17	26.0	28.5	62.5	41
BA 73-626 (KELLY)	56.5	22.0	24.5	50.0	19	35	64.5	10.0	6.0	47.0	59.5	38.0	50.0	68.0	47	28.0	38.0	29	16.0	49.0	44.0	42
VICTA	18.0	70.0	12.0	35.5	22	20	64.5	26.5	58.0	42.0	18.0	22.5	52.0	47.5	30	10.0	2.0	37	11.0	51.0	64.0	43
DAWN	25.5	46.0	54.0	58.0	27	47	69.0	41.5	36.0	18.0	62.5	43.0	42.0	13.0	12	42.0	22.0	18	29.5	35.0	42.5	44
PARADE	59.0	31.5	50.0	58.0	61	52	5.5	41.5	19.5	61.0	59.5	55.5	51.0	17.0	43	64.0	60.0	15	66.0	15.0	33.0	45

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS  
CULTIVARS AT FORTY-TWO LOCATIONS IN THE U. S. AND CANADA  
1986-1990 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NC4	NE1	NE2	NE3	NJ1	NJ2	NM2	OH1	OK1	OR1	PA1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	WA1	WA3	WA4	MEAN
BA 72-441 (ABBEY)	65.0	31.5	50.0	35.5	17	28	12.0	33.5	19.5	58.0	44.0	20.0	58.0	47.5	55	6.0	6.0	52	26.0	44.0	68.5	46
MERIT	35.0	11.0	47.0	45.0	26	36	39.0	20.0	25.0	51.0	10.5	25.0	45.0	50.5	59	52.0	32.0	34	31.5	45.0	66.0	47
LIBERTY	43.5	52.0	63.5	45.0	56	43	39.0	57.0	42.0	19.0	65.0	.	16.0	63.0	49	21.0	48.0	26	40.0	39.0	49.0	48
K3-178	18.0	69.0	66.0	35.5	49	57	22.0	47.0	49.5	38.0	65.0	47.0	37.0	23.0	58	17.0	43.0	16	23.0	19.5	65.0	49
WW AG 495	31.5	26.0	21.5	58.0	16	27	31.0	24.5	4.0	48.0	59.5	38.0	44.0	24.5	15	55.0	62.0	63	61.0	56.0	67.0	50
NE 80-88	.	17.0	44.0	2.5	43	54	39.0	44.0	61.5	49.5	55.5	.	62.0	14.5	61	63.0	65.0	54	35.0	64.0	.	51
WW AG 491	56.5	65.0	10.5	35.5	65	65	12.0	29.5	29.5	54.0	8.0	28.5	34.5	64.0	44	54.0	55.0	22	55.5	42.0	55.0	52
IKONE	2.5	62.0	21.5	41.0	24	15	56.0	48.5	39.0	29.0	69.0	49.5	56.0	41.0	34	49.0	52.0	41	26.0	23.0	60.0	53
AQUILA	25.5	9.0	6.5	29.5	36	25	70.5	50.5	29.5	55.0	18.0	52.0	34.5	50.5	20	58.0	27.5	25	54.0	62.0	42.5	54
WELCOME	43.5	60.0	33.5	17.0	54	37	12.0	62.0	72.0	59.0	8.0	5.0	29.0	1.0	50	36.0	19.0	67	59.0	67.0	55.0	55
NASSAU	25.5	67.0	68.0	50.0	52	30	12.0	6.0	54.0	25.0	70.0	45.0	64.0	61.5	36	59.0	24.0	44	41.5	28.5	46.0	56
COMPACT	18.0	25.0	21.5	11.5	68	68	12.0	54.5	42.0	68.0	13.5	.	67.0	61.5	53	48.0	40.0	45	55.5	63.0	5.5	57
BA 70-242 (MARQUIS)	31.5	71.0	72.0	67.5	60	50	47.5	14.0	63.5	46.0	47.5	25.0	46.0	69.0	31	20.0	34.0	46	14.0	54.0	37.0	58
HV 97 (COCKTAIL)	25.5	13.5	24.5	41.0	55	59	56.0	40.0	42.0	21.0	71.0	53.0	53.0	19.5	17	66.0	49.0	47	48.5	50.0	7.0	59
HARMONY	25.5	35.0	28.5	50.0	69	69	56.0	52.0	36.0	69.0	23.5	28.5	41.0	70.0	64	40.0	25.0	62	41.5	65.0	46.0	60
BAR VB 577 (BARLYMPIA)	39.0	54.0	50.0	50.0	47	42	47.5	35.5	36.0	30.0	8.0	47.0	65.0	39.0	66	70.0	72.0	61	47.0	26.0	23.5	61
GNOME	14.5	68.0	61.0	41.0	44	45	64.5	60.0	16.5	63.0	55.5	.	66.0	53.5	46	33.0	67.0	69	18.5	48.0	68.5	62
MERION	25.5	21.0	36.5	65.5	38	39	56.0	23.0	71.0	37.0	52.0	9.0	26.0	50.5	63	50.0	18.0	56	50.0	34.0	60.0	63
DESTINY	.	61.0	39.0	63.5	59	64	22.0	13.0	49.5	39.0	68.0	.	55.0	53.5	62	45.0	44.0	57	38.5	52.0	23.5	64
WW AG 468	43.5	2.0	55.0	69.5	66	66	56.0	11.0	45.0	64.0	38.5	5.0	8.0	44.0	22	62.0	31.0	72	17.0	58.0	13.0	65
HUNTSVILLE	49.0	53.0	53.0	50.0	67	67	31.0	61.0	63.5	62.0	31.0	.	48.0	26.5	60	60.0	71.0	64	60.0	68.0	71.0	66
AMAZON	25.5	56.5	69.5	67.5	42	56	31.0	45.0	7.0	56.0	34.0	59.0	61.0	3.0	3	34.0	61.0	65	64.0	55.0	31.5	67
ANNIKA	56.5	24.0	21.5	11.5	62	61	22.0	69.0	66.5	67.0	52.0	.	63.0	24.5	68	65.0	69.0	71	65.0	60.0	23.5	68
BARZAN	6.5	72.0	56.5	63.5	63	55	56.0	72.0	66.5	44.0	38.5	.	69.0	44.0	69	67.0	46.0	70	62.0	66.0	40.5	69
KENBLUE	63.0	30.0	65.0	50.0	72	72	12.0	70.0	69.5	70.0	28.0	57.5	70.0	34.5	72	72.0	68.0	51	72.0	70.0	28.5	70
JOY	65.0	66.0	39.0	58.0	71	70	22.0	71.0	66.5	72.0	44.0	54.0	71.0	58.0	71	69.0	70.0	60	70.0	71.0	14.5	71
S.D. CERTIFIED	70.0	48.5	18.5	58.0	70	71	22.0	67.5	59.5	71.0	38.5	57.5	72.0	29.0	70	71.0	63.0	68	69.0	72.0	37.0	72

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR  
EACH YEAR GROWN IN THE UNITED STATES AND CANADA  
1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/					1987-90 MEAN
	1986MEAN	1987MEAN	1988MEAN	1989MEAN	1990MEAN	
BLACKSBURG	6.1	6.4	6.4	6.5	6.5	6.2
MIDNIGHT	6.1	6.3	6.4	6.3	6.3	6.1
P-104 (PRINCETON 104)	5.6	6.2	6.3	6.4	6.2	6.0
ASSET	6.0	5.9	6.2	6.2	6.2	5.9
BA 72-500 (CHATEAU)	6.0	5.8	6.0	6.0	6.1	5.9
LOFTS 1757	5.8	6.0	6.1	6.1	6.1	5.9
BA 70-139 (COVENTRY)	5.8	5.8	5.9	5.8	5.9	5.9
F-1872 (FREEDOM)	5.9	5.8	6.0	6.1	5.9	5.8
BA 73-540	5.8	5.9	6.0	5.8	5.9	5.8
AMERICA	5.8	5.9	6.1	6.2	6.1	5.8
ECLIPSE	5.6	5.9	6.2	6.3	6.2	5.8
ASPEN	5.6	5.7	6.0	6.2	6.0	5.8
BA 72-492 (ESTATE)	5.9	5.9	5.9	5.8	5.7	5.8
GLADE	5.7	5.8	6.1	6.1	5.9	5.8
CLASSIC	5.9	5.8	6.0	5.9	5.7	5.8
WW AG-496	5.7	5.8	6.0	5.9	5.7	5.8
ABLE I	5.7	5.7	6.0	6.1	6.0	5.8
WABASH	5.7	5.4	5.8	5.9	6.1	5.8
A-34	5.6	5.9	6.0	6.1	6.0	5.8
BA 69-82	5.7	5.7	6.1	5.8	5.9	5.8
BAR VB 534	5.6	5.7	5.9	5.8	5.8	5.8
CHERI	5.8	5.7	6.1	5.9	5.9	5.8
BRISTOL	5.7	6.0	6.1	6.0	5.8	5.8
RUGBY	6.0	5.8	5.9	5.9	5.6	5.7
CHALLENGER	5.8	5.9	6.0	5.9	5.9	5.7
SYDSPORT	5.8	5.8	6.0	5.9	5.8	5.7
TRENTON	5.9	5.9	5.8	5.9	5.7	5.7
PST-CB1	5.7	5.8	6.0	5.9	5.6	5.7
SOMERSET	5.4	5.6	5.9	6.0	6.0	5.7
RAM-1	5.7	5.6	5.9	5.8	5.9	5.7
CONNI	5.6	5.7	5.9	5.6	5.7	5.7
BARON	5.8	5.6	5.9	5.8	5.5	5.7
MYSTIC	5.4	5.4	5.8	6.0	6.0	5.7
CYNTHIA	5.6	5.7	5.9	5.8	5.7	5.7
TENDOS	5.9	5.7	5.8	5.7	5.6	5.7
239 (SUFFOLK)	5.8	5.8	5.8	5.8	5.6	5.7
HAGA	5.8	5.8	5.8	5.9	5.8	5.7
GEORGETOWN	5.8	5.6	5.8	5.8	5.7	5.7
MONOPOLY	5.5	5.5	5.9	5.9	5.8	5.6
JULIA	5.7	5.8	5.9	5.7	6.1	5.6
K1-152	5.8	5.7	5.8	5.8	5.5	5.6
BA 73-626 (KELLY)	5.6	5.7	5.9	5.8	5.7	5.6
VICTA	5.8	5.7	5.8	5.8	5.6	5.6
DAWN	5.5	5.7	5.9	5.7	5.9	5.6
PARADE	5.7	5.7	5.9	5.8	5.5	5.6

TABLE 4. (continued)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR  
EACH YEAR GROWN IN THE UNITED STATES AND CANADA  
1986-1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/					
	1986MEAN	1987MEAN	1988MEAN	1989MEAN	1990MEAN	1987-90 MEAN
BA 72-441 (ABBAY)	5.6	5.7	5.9	5.7	5.6	5.6
MERIT	5.6	5.6	5.9	5.8	5.6	5.6
LIBERTY	5.7	5.7	5.8	5.7	5.7	5.6
K3-178	5.9	5.8	5.7	5.6	5.5	5.6
WW AG 495	5.6	5.6	5.8	5.6	5.5	5.6
NE 80-88	5.4	5.4	5.7	5.7	5.9	5.6
WW AG 491	5.5	5.6	5.6	5.6	5.6	5.6
IKONE	5.7	5.7	5.6	5.6	5.7	5.5
AQUILA	5.4	5.6	5.9	5.7	5.8	5.5
WELCOME	5.3	5.5	5.7	5.5	5.7	5.5
NASSAU	5.6	5.7	5.8	5.5	5.5	5.5
COMPACT	5.4	5.4	5.6	5.4	5.4	5.5
BA 70-242 (MARQUIS)	5.3	5.6	5.7	5.7	5.6	5.5
HV 97 (COCKTAIL)	5.5	5.6	5.7	5.7	5.5	5.5
HARMONY	5.4	5.4	5.7	5.6	5.3	5.5
BAR VB 577 (BARLYMPIA)	5.6	5.4	5.7	5.6	5.3	5.5
GNOME	5.5	5.3	5.5	5.5	5.2	5.4
MERION	5.4	5.4	5.7	5.6	5.6	5.4
DESTINY	5.2	5.5	5.7	5.4	5.5	5.4
WW AG 468	5.1	5.3	5.5	5.6	5.5	5.3
HUNTSVILLE	5.2	5.1	5.4	5.5	5.6	5.3
AMAZON	5.4	5.5	5.4	5.5	5.4	5.3
ANNIKA	5.1	5.2	5.4	5.3	5.3	5.3
BARZAN	5.0	5.2	5.4	5.4	5.3	5.2
KENBLUE	5.0	4.7	5.0	5.2	5.2	5.0
JOY	4.8	4.7	5.1	5.2	5.3	5.0
S.D. CERTIFIED	4.7	4.6	5.0	5.1	5.0	4.9
LSD VALUE	0.2	0.2	0.2	0.2	0.3	0.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 5.

 SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

NAME	GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/																			
	BC1	ID2	IN1	MB1	MD1	MIL	MO1	NE1	NJ1	NJ2	NM2	OH1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	MEAN
HUNTSVILLE	.	4.8	5.9	7.3	7.0	5.7	6.0	4.3	6.7	7.0	6.7	3.3	.	6.1	3.0	8.2	5.7	5.7	7.7	5.9
JOY	4.2	4.1	6.0	8.3	6.3	4.3	6.5	6.0	8.3	7.7	5.3	4.3	5.3	5.7	3.7	8.2	6.0	5.3	6.3	5.9
NE 80-88	.	4.7	6.2	5.7	8.0	4.3	7.0	5.0	7.0	7.7	7.3	3.3	.	5.9	3.3	7.0	5.7	4.0	8.0	5.9
WABASH	4.3	4.2	6.8	7.7	6.3	4.3	5.8	5.0	8.0	5.7	7.0	4.3	6.0	6.0	3.3	7.8	5.7	5.7	7.7	5.9
LOFTS 1757	4.9	5.0	5.4	5.7	8.7	4.0	5.8	4.3	6.7	6.7	7.7	5.0	5.3	5.7	3.3	7.7	5.7	6.7	7.3	5.9
S.D. CERTIFIED	3.8	4.0	6.9	7.3	7.0	4.3	7.0	4.0	8.3	7.3	6.0	4.3	5.0	5.6	4.0	8.5	5.3	4.0	6.3	5.7
MYSTIC	3.2	4.1	6.7	3.7	8.0	5.7	6.3	6.3	8.3	8.0	6.3	3.3	6.7	5.9	2.3	7.7	4.7	5.7	5.7	5.7
F-1872 (FREEDOM)	.	4.6	5.7	5.3	7.0	5.7	6.3	7.7	4.7	5.0	7.3	4.0	.	6.3	3.3	6.5	6.3	5.7	5.7	5.7
KENBLUE	4.1	5.0	6.4	8.0	6.0	5.0	6.3	4.3	8.0	7.7	5.0	3.3	4.7	5.7	3.3	9.0	4.7	4.0	6.3	5.6
NASSAU	4.7	4.7	5.4	3.3	8.7	3.3	5.8	5.3	6.7	6.7	8.0	4.0	4.7	5.6	3.0	7.0	6.3	5.7	7.0	5.6
DESTINY	.	4.1	5.0	4.7	8.3	4.3	5.3	5.7	5.3	5.7	7.3	4.3	.	6.0	3.0	6.5	5.7	4.7	7.0	5.5
PARADE	4.4	5.2	5.6	5.0	8.0	5.7	5.7	3.3	5.3	6.0	7.3	3.3	5.0	6.0	3.0	7.3	5.7	5.3	5.7	5.4
K1-152	4.1	4.4	5.2	5.7	7.3	5.0	5.7	5.7	4.7	5.3	7.0	3.0	5.7	6.6	2.7	7.5	5.7	5.7	5.7	5.4
239 (SUFFOLK)	3.9	4.3	5.3	5.0	7.3	5.0	6.2	4.7	5.3	6.0	6.3	3.3	4.7	5.9	2.7	7.3	6.3	6.3	6.3	5.4
PST-CB1	.	4.3	5.4	5.7	7.7	5.0	5.3	3.3	5.0	4.3	6.7	5.0	.	6.2	3.0	7.3	6.3	5.0	5.7	5.4
CLASSIC	4.3	5.1	5.0	6.0	7.3	4.7	6.0	4.7	5.0	5.3	7.0	2.7	5.0	6.2	3.0	7.7	6.0	6.7	4.3	5.4
BRISTOL	4.7	4.9	5.0	5.3	9.0	4.3	6.2	5.0	5.0	5.0	6.0	4.0	4.3	5.3	3.3	6.7	6.3	6.0	5.0	5.3
RUGBY	5.0	4.9	5.0	4.7	8.0	4.0	5.7	5.0	5.3	5.3	6.0	5.0	4.7	5.8	3.0	6.7	5.7	5.7	5.7	5.3
HAGA	4.7	3.7	5.3	5.7	7.0	4.7	5.7	6.0	4.7	6.0	6.7	3.0	5.7	6.0	2.3	6.0	6.3	5.3	6.3	5.3
GEORGETOWN	4.6	4.3	4.8	5.3	7.7	4.3	5.7	4.7	5.3	5.3	6.7	2.7	5.0	5.6	2.7	6.8	6.3	5.7	7.0	5.3
TENDOS	5.0	5.3	5.2	4.7	8.7	3.7	6.0	6.7	5.3	4.7	6.7	3.0	.	5.0	2.7	7.2	5.3	4.7	5.3	5.3
P-104 (PRINCETON 104)	4.7	4.8	5.7	4.0	8.0	4.0	6.3	4.7	6.0	5.0	5.3	3.5	.	5.0	2.7	7.3	5.3	5.7	7.0	5.3
ASPEN	4.4	4.6	5.6	2.7	8.3	4.7	5.3	4.3	5.7	6.0	6.3	2.7	5.3	6.1	3.3	7.5	5.7	5.0	6.7	5.3
ASSET	4.7	4.8	5.8	5.0	8.0	4.0	6.0	5.3	4.7	5.3	6.7	3.7	4.7	5.6	3.0	6.8	5.0	4.3	6.3	5.2
A-34	4.6	5.4	5.2	4.7	7.3	3.7	5.7	4.7	5.3	5.3	7.0	4.7	5.7	5.8	2.7	6.7	5.7	4.3	5.3	5.2
TRENTON	4.7	5.1	5.0	5.0	8.0	4.3	5.2	5.3	5.3	5.0	6.0	3.0	4.7	5.9	3.0	7.3	6.0	5.3	5.3	5.2
DAWN	.	4.0	5.2	4.0	8.3	4.3	6.5	5.0	6.0	5.0	6.7	4.0	4.0	5.3	2.7	6.7	5.0	5.3	6.0	5.2
AQUILA	4.0	3.9	4.7	5.0	9.0	3.7	5.3	5.7	6.3	5.3	6.0	3.0	4.7	4.8	3.3	7.8	5.0	5.0	6.7	5.2
BAR VB 577 (BARLYMPIA)	4.3	5.1	5.2	4.3	8.3	4.0	5.3	4.3	6.7	5.3	7.7	3.0	4.7	5.0	2.3	6.5	5.7	4.3	7.0	5.2
K3-178	4.3	4.4	5.0	5.7	8.0	5.3	5.7	4.0	4.7	5.7	7.0	3.0	4.7	6.1	2.7	6.7	5.7	5.0	5.0	5.2
CYNTHIA	4.7	4.7	5.3	4.0	7.7	3.3	6.5	5.3	6.0	6.7	5.7	3.0	5.3	5.3	2.7	7.5	5.3	4.0	5.3	5.2
ECLIPSE	5.1	4.8	5.4	4.7	8.3	4.0	5.5	3.7	5.0	4.7	7.7	3.3	5.0	4.9	3.0	6.8	5.3	4.7	5.3	5.1
LIBERTY	.	3.5	4.5	5.0	8.3	4.7	5.2	5.5	5.3	4.3	7.0	3.7	.	5.3	2.7	6.3	4.7	5.3	5.3	5.1
MERION	4.1	3.9	5.1	3.7	8.0	3.0	4.8	5.3	6.0	6.7	6.3	4.3	4.3	4.9	2.7	6.7	4.7	5.7	6.7	5.1
CHALLENGER	4.4	4.6	4.8	4.3	8.3	4.3	5.8	4.3	5.3	4.3	7.7	3.7	4.3	5.4	3.0	6.2	5.7	4.3	5.0	5.0
SOMERSET	4.0	5.2	5.6	5.3	7.7	4.3	6.3	5.7	4.3	5.0	6.0	3.0	4.3	5.4	2.3	5.5	5.3	5.0	5.0	5.0
WW AG 495	4.1	4.2	4.3	4.3	9.0	3.3	6.2	5.0	5.3	5.0	8.0	3.3	4.0	5.2	3.0	6.3	4.7	4.0	5.7	5.0
WW AG 496	4.9	4.0	4.4	5.7	8.3	3.7	6.3	5.0	5.0	4.7	7.0	3.0	3.7	5.4	3.0	6.8	5.0	4.3	4.7	5.0
JULIA	4.3	2.9	5.2	5.7	8.3	3.0	5.8	4.7	4.7	4.3	7.7	4.3	3.3	5.1	2.0	6.8	5.0	5.0	6.3	5.0
RAM-1	4.3	3.0	4.5	4.7	8.7	4.0	5.3	4.3	5.7	4.7	6.7	4.3	5.0	4.4	2.7	6.8	5.0	4.3	6.0	5.0
BAR VB 534	4.6	4.4	5.3	3.3	7.0	3.3	5.8	5.3	6.0	6.3	7.3	2.7	5.3	5.1	2.3	7.5	5.0	4.0	3.7	5.0
MONOPOLY	4.2	4.0	4.9	7.3	8.0	3.0	5.3	4.7	5.0	5.7	6.7	2.7	4.3	5.2	2.3	7.0	5.3	4.3	4.0	4.9
WW AG 491	4.2	3.5	5.3	4.3	7.0	3.3	5.2	6.0	4.3	5.3	6.7	4.7	4.7	4.9	3.0	6.8	4.7	3.0	6.0	4.9
IKONE	3.8	2.9	4.9	6.0	8.3	3.0	5.8	4.0	4.3	3.7	7.3	4.7	2.3	5.3	2.3	6.5	5.3	5.7	5.7	4.8
GLADE	4.4	4.7	4.8	3.7	8.7	4.3	5.3	4.3	4.7	5.3	7.0	4.0	4.3	5.0	3.0	5.5	4.3	4.0	4.3	4.8

TABLE 5. (continued)

 SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	BC1	ID2	IN1	MB1	MD1	M11	MO1	NE1	NJ1	NJ2	NM2	OH1	PA2	RI1	SD1	UB1	VA1	VA2	VA3	MEAN
BA 69-82	4.9	4.4	4.5	5.7	8.0	3.7	4.5	5.0	4.0	2.7	7.7	5.3	3.3	4.8	3.3	4.8	5.3	4.3	4.0	4.8
BA 72-441 (ABBEY)	4.4	3.7	4.1	5.7	8.0	3.7	4.0	5.3	5.0	4.0	7.7	3.3	4.3	4.8	2.7	5.2	5.0	4.3	5.0	4.7
BA 70-242 (MARQUIS)	4.9	3.6	4.1	4.3	8.0	4.0	4.5	5.0	5.3	4.3	7.0	3.7	4.3	5.0	2.7	4.8	4.3	4.3	4.7	4.7
VICTA	4.2	4.6	4.6	4.7	8.3	3.3	4.8	6.3	4.0	4.3	7.0	3.0	4.0	4.6	3.3	5.3	5.3	4.0	3.0	4.7
GNOME	4.2	4.5	3.8	4.3	8.3	3.7	5.2	4.3	4.7	4.3	7.3	3.3	.	4.3	3.0	6.2	4.0	3.7	4.3	4.6
ANNIKA	.	3.1	4.4	4.0	7.7	3.7	5.0	7.0	4.0	5.0	7.0	2.7	.	3.9	3.7	3.7	4.0	3.7	6.3	4.6
CHERI	4.4	4.0	4.3	5.0	8.3	4.0	4.7	5.3	3.7	2.3	7.0	4.3	4.0	5.2	3.0	4.8	4.3	3.3	5.3	4.6
AMERICA	4.7	3.6	4.5	4.7	8.7	2.7	5.5	5.0	3.3	3.3	7.7	3.3	4.7	5.0	3.3	6.5	4.3	3.3	3.3	4.6
COMPACT	.	3.1	4.8	6.0	6.7	3.3	5.0	5.0	4.3	3.7	6.7	4.0	.	4.6	2.7	5.7	5.0	3.3	4.3	4.6
SYDSPORT	4.9	4.3	4.3	4.7	8.3	3.3	5.3	6.5	3.7	2.3	7.0	4.0	3.7	4.7	2.7	4.3	5.3	4.0	4.0	4.6
MERIT	4.4	4.1	4.3	4.0	9.0	3.7	5.7	4.7	4.0	4.7	6.7	3.0	4.0	4.2	2.7	4.8	4.7	4.3	4.3	4.6
BA 73-626 (KELLY)	4.1	3.8	4.1	4.7	8.7	3.3	5.0	5.0	4.3	4.0	6.7	2.7	3.3	4.9	3.3	5.2	4.7	4.3	4.3	4.5
BLACKSBURG	4.7	3.1	4.3	4.3	9.0	3.0	5.3	4.0	5.0	4.3	7.3	3.0	2.7	4.4	3.7	5.5	4.0	3.7	4.7	4.5
BA 70-139 (COVENTRY)	4.9	4.2	4.8	5.0	8.0	4.3	4.8	5.7	3.0	2.7	7.0	3.7	3.7	5.1	3.3	4.2	5.3	3.7	2.3	4.5
HV 97 (COCKTAIL)	4.4	4.0	4.5	4.0	8.0	3.7	5.5	5.3	3.7	3.0	5.7	2.3	5.3	4.9	2.7	5.5	4.0	3.0	5.7	4.5
BA 72-492 (ESTATE)	5.2	4.1	4.6	5.0	7.7	3.3	5.7	5.0	3.0	2.0	8.0	3.3	3.0	5.2	3.3	4.7	5.0	4.3	2.3	4.5
WELCOME	4.9	3.1	3.5	3.7	8.7	3.7	6.0	6.7	4.0	4.3	7.3	3.0	3.7	3.8	2.3	5.0	4.0	4.0	2.7	4.4
BA 73-540	5.2	4.4	4.6	5.0	7.7	3.0	3.8	5.3	2.7	2.3	7.0	3.3	3.7	4.8	2.7	5.0	4.7	4.0	4.7	4.4
ABLE I	3.9	3.5	4.1	3.0	9.0	3.7	4.5	4.3	5.3	3.3	8.0	3.0	3.0	4.8	3.0	4.5	4.0	4.0	4.7	4.4
BARON	4.6	3.8	3.6	4.0	8.7	3.3	5.2	4.0	3.0	3.3	7.7	3.3	5.0	4.0	2.7	4.7	4.7	4.0	3.3	4.4
BA 72-500 (CHATEAU)	4.6	4.5	4.8	5.3	8.0	3.3	5.0	3.7	3.0	2.7	6.0	4.7	3.0	5.0	2.7	4.2	5.0	4.0	3.0	4.3
CONNI	.	4.3	4.0	4.0	8.0	3.3	5.7	6.3	2.7	3.0	6.3	2.7	.	3.8	2.0	4.2	3.3	5.0	5.0	4.3
HARMONY	4.4	2.8	3.9	2.7	8.3	3.3	6.2	5.0	5.3	5.0	6.3	3.0	3.7	3.9	3.0	5.0	4.0	4.3	2.0	4.3
WW AG 468	3.7	3.2	3.3	5.0	9.0	2.3	5.8	5.0	6.7	4.7	6.7	4.0	2.3	3.7	2.7	4.5	3.3	3.7	2.3	4.3
MIDNIGHT	4.2	3.6	3.2	4.7	9.0	3.0	5.2	4.7	3.7	3.0	9.0	4.0	2.7	4.4	3.0	4.2	4.3	3.7	2.3	4.3
BARZAN	4.1	3.6	3.9	2.7	8.0	3.0	5.5	5.0	4.3	5.0	6.7	3.3	.	3.2	2.3	4.3	4.0	5.3	3.0	4.3
AMAZON	3.9	2.4	3.8	2.3	8.7	3.0	5.7	4.7	4.3	3.0	7.3	4.3	2.3	3.7	2.0	5.5	3.3	3.0	4.3	4.1
LSD VALUE	0.6	1.6	0.9	1.6	0.8	1.1	1.4	1.8	1.4	1.6	1.6	1.5	1.1	1.3	1.2	1.4	1.3	1.3	2.5	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 6.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	BC1	ID1	ID2	IN1	KS2	KY1	MB1	MD1	MO1	NC2	NE1	NE2	NE3	NM2	OH1	SD1	WA3	MEAN
MIDNIGHT	8.1	8.3	8.0	7.7	8.7	9.0	8.0	8.3	6.7	7.0	6.6	6.7	7.3	8.0	8.6	8.7	8.7	7.9
BLACKSBURG	7.1	6.7	8.0	6.3	8.7	7.0	7.8	7.6	7.0	6.7	6.4	6.7	7.3	8.3	7.3	8.2	7.3	7.3
DESTINY	.	7.7	8.7	6.3	8.3	8.3	7.0	7.9	7.0	7.0	6.3	6.2	5.7	7.7	7.5	7.0	7.0	7.2
ECLIPSE	6.6	8.0	7.7	7.0	7.7	9.0	7.6	7.6	6.3	7.0	5.8	6.2	6.3	8.3	7.7	6.9	7.2	7.2
GLADE	6.3	6.7	7.7	6.7	7.7	9.0	7.6	7.4	7.0	7.3	7.1	6.2	6.7	7.3	7.1	7.6	7.5	7.2
BRISTOL	7.1	7.3	8.0	6.7	8.3	6.3	7.0	7.3	6.7	6.3	6.1	5.8	6.7	7.7	7.9	7.7	8.2	7.1
WW AG 495	6.3	6.3	8.3	6.0	8.0	8.3	7.8	7.4	6.0	6.7	6.8	6.2	6.3	7.7	7.2	7.0	8.0	7.1
BA 70-242 (MARQUIS)	6.6	8.3	8.0	6.0	8.0	7.7	6.7	7.2	7.0	7.3	6.4	6.0	6.0	7.3	7.2	7.4	6.3	7.0
ABLE I	6.7	7.0	7.3	6.0	8.3	7.0	7.2	7.6	6.7	6.3	6.6	6.2	6.0	7.3	6.7	6.7	8.8	7.0
NASSAU	7.0	8.0	7.3	6.7	7.7	8.3	6.8	7.3	6.0	5.3	6.0	6.2	5.7	7.7	7.2	7.8	7.3	7.0
CHALLENGER	6.3	6.7	7.7	7.0	8.0	7.0	7.3	7.4	6.0	6.3	6.7	6.2	5.3	7.3	8.0	7.2	7.2	6.9
DAWN	.	7.3	7.7	6.3	7.7	7.7	7.0	7.3	7.0	6.3	6.6	5.5	5.7	7.0	7.0	7.4	6.8	6.9
NE 80-88	.	7.0	8.3	6.3	7.7	7.7	6.6	7.7	6.3	6.0	6.6	5.8	6.3	7.3	7.6	6.9	6.2	6.9
BAR VB 577 (BARLYMPIA)	6.2	7.3	8.0	5.7	8.0	8.3	6.6	7.1	6.7	6.0	6.7	5.7	6.0	7.3	7.1	7.1	7.2	6.9
LOFTS 1757	6.8	7.3	7.7	6.3	7.3	7.0	6.7	7.2	7.0	6.7	6.0	5.8	5.3	7.3	7.6	7.8	6.8	6.9
ASPEN	6.5	7.0	7.0	6.7	8.3	7.0	7.1	7.3	7.3	5.7	6.3	6.0	6.0	7.7	7.0	7.0	6.5	6.8
RAM-1	6.4	7.0	8.0	6.3	8.0	7.0	6.9	7.8	6.0	6.3	6.8	5.7	6.0	8.0	7.7	7.3	5.2	6.8
BARON	6.8	8.0	7.7	4.3	7.7	6.3	7.1	7.6	7.3	6.0	6.1	6.3	6.3	7.7	6.7	7.4	6.7	6.8
AMERICA	6.3	5.7	7.7	6.7	8.3	5.0	7.6	7.2	6.7	6.3	6.8	6.2	6.3	7.0	7.7	6.6	7.2	6.8
VICTA	6.7	7.0	8.0	5.3	8.0	6.3	6.6	7.4	6.7	6.7	5.6	6.0	7.0	7.3	7.3	7.3	5.8	6.8
MERIT	6.8	7.7	8.0	5.0	8.0	7.0	6.1	7.0	7.0	6.0	5.8	6.3	6.3	7.3	7.0	7.3	6.2	6.8
BA 72-441 (ABBEY)	6.3	6.7	7.7	5.0	8.0	7.7	6.7	6.9	7.3	6.0	6.5	6.3	6.0	8.0	6.7	7.0	6.0	6.7
BA 73-626 (KELLY)	6.8	7.7	8.0	5.3	7.3	7.0	6.9	7.3	6.3	6.3	6.1	6.3	6.0	7.3	7.0	6.8	6.0	6.7
P-104 (PRINCETON 104)	6.3	6.7	5.3	6.3	7.3	8.3	7.0	7.4	7.0	6.0	6.5	5.8	6.0	7.7	7.6	6.2	7.0	6.7
CYNTHIA	6.0	6.3	6.3	5.0	6.7	9.0	7.8	6.7	7.0	6.3	6.6	6.0	6.0	7.3	6.8	6.9	6.2	6.6
GNOME	6.7	6.3	8.0	4.7	7.3	6.3	6.7	7.1	6.7	6.3	6.5	6.2	6.7	6.7	7.0	7.0	6.5	6.6
JULIA	6.2	8.0	7.7	6.0	7.3	7.7	6.3	7.1	6.0	5.7	6.5	6.7	6.3	6.7	6.5	6.2	5.5	6.6
BA 69-82	6.0	7.0	7.0	6.0	8.0	5.0	7.1	7.0	7.0	6.3	7.0	6.0	6.3	7.3	7.2	6.4	5.3	6.6
BAR VB 534	5.9	6.0	7.3	5.0	7.0	9.0	7.7	7.3	6.7	6.0	6.4	6.0	6.0	6.7	5.8	7.0	6.3	6.6
AMAZON	6.3	6.3	7.3	6.3	6.0	5.7	7.4	7.0	6.0	6.0	6.6	5.7	6.0	7.0	7.3	7.3	7.3	6.6
BA 70-139 (COVENTRY)	5.9	7.0	7.0	6.3	7.3	7.0	6.6	7.1	6.7	5.7	7.3	6.0	6.3	7.3	6.7	6.6	4.8	6.6
ASSET	6.3	5.3	7.3	5.7	7.7	7.7	6.0	7.1	7.0	6.7	6.7	5.5	5.3	7.0	6.9	6.8	6.5	6.6
BA 72-492 (ESTATE)	6.3	8.3	7.0	6.0	7.3	5.0	7.0	6.9	6.3	6.7	6.7	5.8	6.3	7.3	6.9	6.6	4.8	6.5
WW AG 496	6.0	7.3	6.3	5.7	7.0	7.0	6.8	7.2	6.3	6.7	7.3	6.0	6.3	7.3	6.4	6.6	5.0	6.5
CONNI	.	7.7	6.3	5.7	6.3	6.3	7.0	6.9	7.0	6.7	6.6	5.0	5.7	7.3	7.2	5.9	6.8	6.5
LIBERTY	.	7.0	6.7	5.7	7.7	6.3	7.0	7.0	6.7	5.7	6.4	5.7	5.7	6.7	7.0	6.8	5.7	6.5
SYDSPORT	6.3	7.7	7.3	5.7	8.0	3.7	6.8	6.9	7.0	6.0	6.2	6.2	6.0	7.7	7.2	6.7	4.7	6.5
AQUILA	6.2	7.3	6.0	5.3	8.0	7.7	5.7	7.0	6.7	6.0	6.8	5.7	5.3	7.0	7.1	6.4	5.3	6.4
CHERI	6.3	7.3	6.0	5.3	7.7	6.3	6.7	6.9	6.0	6.7	6.4	5.7	6.0	7.3	7.0	6.2	5.5	6.4
BA 73-540	6.1	6.7	6.3	6.7	7.0	5.0	7.0	6.9	6.3	6.3	6.7	5.7	6.3	6.7	7.2	7.3	4.8	6.4
BARZAN	6.3	7.7	6.7	5.3	7.0	7.0	6.6	7.3	6.7	5.3	6.3	5.8	5.3	7.0	6.9	6.7	5.2	6.4
BA 72-500 (CHATEAU)	6.0	6.3	7.0	5.7	7.3	5.0	6.6	6.9	7.0	6.3	6.9	5.7	5.7	7.7	7.2	6.2	5.5	6.4
WW AG 468	6.4	4.0	6.7	5.0	7.7	6.3	7.1	7.1	6.0	6.3	7.5	5.5	6.0	7.0	7.2	6.4	6.5	6.4
IKONE	6.1	7.7	6.7	5.3	7.3	6.3	6.3	7.2	7.0	5.7	6.8	6.3	6.0	6.3	6.9	5.4	5.2	6.4
TENDOS	6.7	7.0	7.3	6.0	7.3	4.3	4.9	7.1	7.0	6.3	6.0	5.5	5.3	6.7	6.8	6.6	7.3	6.4

TABLE 6. (continued)

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	BC1	ID1	ID2	IN1	KS2	KY1	MB1	MD1	MO1	NC2	NE1	NE2	NE3	NM2	OH1	SD1	WA3	MEAN
WELCOME	6.3	6.7	6.7	4.7	7.0	6.3	5.8	7.3	6.0	6.7	5.9	5.8	5.3	6.3	6.7	6.9	5.5	6.2
HUNTSVILLE	.	6.7	8.3	5.7	7.0	7.7	4.6	6.9	6.7	5.7	5.8	5.3	5.3	6.0	6.6	7.0	4.3	6.2
MERION	5.7	6.3	5.3	5.7	7.7	4.3	5.4	6.9	6.3	6.7	6.8	5.3	5.0	7.0	6.8	7.1	5.7	6.1
PST-CB1	.	7.0	7.3	5.3	7.0	5.7	6.3	6.4	6.7	4.7	6.0	5.3	5.7	6.3	6.9	5.8	4.5	6.1
GEORGETOWN	6.0	7.3	7.0	6.7	6.7	3.7	6.2	6.8	6.7	4.7	5.9	5.0	6.0	6.3	7.1	6.0	4.2	6.0
ANNIKA	.	6.3	5.7	4.7	6.3	7.0	6.7	6.6	6.3	6.0	6.2	5.2	5.7	5.7	6.4	5.9	5.3	6.0
RUGBY	6.0	7.3	6.0	6.7	7.0	4.3	6.4	6.6	6.7	5.3	6.5	5.0	5.3	6.7	6.8	5.2	4.0	6.0
WW AG 491	5.8	6.0	6.3	5.3	6.7	7.0	6.9	6.3	7.0	5.3	6.4	5.2	5.0	6.0	6.4	5.3	4.5	6.0
239 (SUFFOLK)	5.8	7.7	7.3	5.3	6.7	4.3	5.8	6.4	6.7	5.3	6.6	5.0	4.7	6.3	6.8	6.2	4.5	6.0
MYSTIC	5.8	5.7	6.7	4.0	7.3	4.3	6.6	7.0	6.3	6.0	5.7	5.5	6.0	6.7	7.0	6.2	4.3	5.9
CLASSIC	5.9	7.0	7.0	5.3	6.0	4.3	6.2	6.8	6.7	4.7	6.2	5.7	6.0	6.7	7.0	5.3	4.3	5.9
HARMONY	6.1	7.7	6.7	5.7	6.7	6.3	4.8	6.6	6.3	4.7	6.9	5.0	5.0	4.7	6.3	6.4	3.7	5.8
K3-178	6.1	7.0	6.3	6.0	7.0	3.7	6.0	6.4	6.3	5.0	5.6	6.0	6.0	6.3	6.4	5.2	4.0	5.8
PARADE	6.0	6.0	7.3	6.0	7.3	3.7	6.2	6.7	6.3	5.0	6.5	4.8	5.0	6.0	6.6	5.7	4.2	5.8
K1-152	5.8	6.7	7.0	5.7	6.3	3.7	6.4	6.3	6.3	5.0	6.8	5.0	5.0	6.3	6.8	6.1	3.8	5.8
HV 97 (COCKTAIL)	5.4	6.3	5.0	4.7	6.3	5.0	6.6	6.6	6.7	6.0	6.3	5.5	5.3	6.7	6.2	5.9	4.5	5.8
S.D. CERTIFIED	5.9	6.0	7.3	4.7	7.0	6.3	4.8	6.7	6.0	6.7	6.0	5.2	4.7	5.3	5.9	6.0	4.2	5.8
TRENTON	5.9	7.0	6.0	6.0	6.3	3.7	6.2	6.7	6.3	4.7	6.0	5.0	5.3	7.0	6.8	5.8	3.7	5.8
HAGA	6.0	7.3	7.0	5.7	6.3	2.3	6.4	6.0	6.3	4.7	6.8	5.0	5.7	6.7	6.6	5.6	3.7	5.8
A-34	5.8	6.7	6.3	4.7	6.7	4.3	5.2	6.2	7.0	5.3	6.8	5.2	5.7	6.3	6.8	5.4	3.7	5.8
F-1872 (FREEDOM)	.	6.7	7.0	6.0	7.0	3.0	6.0	5.7	7.0	4.7	5.3	5.8	5.3	6.7	6.4	5.6	3.5	5.7
COMPACT	.	6.7	5.7	4.3	6.7	7.7	6.3	6.6	7.3	5.7	5.3	4.2	4.3	5.3	6.6	5.7	3.3	5.7
WABASH	5.8	6.7	6.0	6.3	6.3	4.3	5.8	6.6	7.0	4.7	5.6	4.3	4.3	6.3	6.3	6.2	3.0	5.6
JOY	5.8	6.0	7.0	4.0	5.7	6.3	4.6	6.7	6.7	5.7	5.0	4.8	5.3	5.7	6.1	6.1	4.0	5.6
SOMERSET	5.7	6.0	6.0	5.0	6.3	3.0	5.9	6.7	6.7	5.0	6.5	4.5	5.7	6.7	6.0	5.6	4.2	5.6
KENBLUE	5.8	6.0	6.7	3.7	6.0	5.0	4.1	6.4	6.3	6.7	6.1	5.0	5.0	5.3	6.2	6.2	3.7	5.5
MONOPOLY	5.8	6.7	6.0	3.7	5.3	4.3	4.8	6.7	6.0	6.0	5.5	4.8	4.7	5.7	6.4	5.2	5.2	5.5
LSD VALUE	0.5	1.5	1.5	1.6	1.0	2.1	0.8	0.6	1.2	0.9	1.0	0.6	0.9	1.2	1.6	0.6	1.5	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 7. SEEDLING VIGOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/

NAME	BC1	ID2	IL2	MO1	NJ1	UB1	WA1	WA4	MEAN
MONOPOLY	7.0	4.0	3.3	6.0	8.7	7.7	7.0	2.0	5.7
S.D. CERTIFIED	7.7	4.0	7.3	5.7	6.0	7.3	5.3	1.3	5.6
SOMERSET	7.3	4.7	4.0	5.7	7.3	6.7	5.7	3.3	5.6
KENBLUE	6.0	4.7	7.3	4.7	6.3	7.3	6.3	1.3	5.5
JOY	7.0	4.7	7.3	4.0	6.0	6.3	6.7	2.0	5.5
K3-178	5.7	5.3	5.7	6.3	6.3	7.0	6.0	1.0	5.4
F-1872 (FREEDOM)	.	5.3	4.7	5.7	6.3	7.3	7.0	1.3	5.4
CLASSIC	6.3	3.7	5.7	5.7	6.0	7.0	6.0	2.3	5.3
CYNTHIA	6.7	4.7	4.0	6.0	6.0	6.0	6.0	3.0	5.3
239 (SUFFOLK)	5.7	4.3	6.0	5.3	6.7	6.0	6.3	1.7	5.3
WELCOME	5.3	5.7	4.7	5.0	5.7	7.3	6.7	1.7	5.3
PARADE	7.0	3.7	4.7	4.3	7.7	7.0	6.3	1.0	5.2
GEORGETOWN	5.7	4.3	5.3	5.3	6.3	6.0	6.3	2.0	5.2
NE 80-88	.	4.0	5.0	5.0	5.0	6.3	5.7	.	5.2
BAR VB 534	6.3	4.3	4.0	5.7	6.3	6.0	5.3	3.0	5.1
ASSET	6.0	4.7	4.0	4.0	6.3	6.3	7.0	2.7	5.1
LOFTS 1757	6.3	3.0	5.3	5.7	5.3	6.7	7.0	1.7	5.1
RAM-1	7.0	4.3	4.7	3.7	5.7	6.3	7.0	2.0	5.1
HAGA	6.0	5.0	4.3	5.0	5.3	6.0	6.7	2.3	5.1
K1-152	6.0	4.7	5.3	5.3	5.3	5.7	6.3	2.0	5.1
MYSTIC	7.7	3.7	3.0	4.3	5.3	6.3	7.3	2.7	5.0
COMPACT	.	5.0	5.3	4.7	5.3	4.7	6.7	2.7	4.9
CHERI	6.0	4.7	3.7	5.7	5.0	5.0	7.0	2.0	4.9
NASSAU	6.0	4.0	4.7	4.3	5.7	6.3	5.7	2.0	4.8
WABASH	6.3	5.7	5.3	3.7	5.0	6.0	5.7	1.0	4.8
BARON	6.3	5.3	3.7	4.7	5.0	5.7	5.7	2.0	4.8
HARMONY	6.0	4.7	3.0	6.3	6.3	5.0	5.7	1.3	4.8
AMERICA	6.0	5.0	3.7	6.0	5.0	5.7	5.3	1.7	4.8
RUGBY	5.3	4.0	4.7	4.0	5.7	6.3	6.7	1.7	4.8
AMAZON	6.3	4.3	5.3	5.7	3.7	5.0	6.0	1.7	4.8
WW AG 491	6.0	3.3	3.3	4.7	5.7	6.0	6.0	3.0	4.8
HUNTSVILLE	.	4.3	5.3	5.3	5.3	5.0	6.3	1.3	4.7
A-34	5.7	4.3	4.7	5.0	4.7	4.3	6.7	2.3	4.7
IKONE	6.3	3.0	4.0	6.0	5.0	5.3	6.7	1.3	4.7
TRENTON	5.3	4.3	4.0	5.0	5.7	5.7	6.7	1.0	4.7
BA 70-139 (COVENTRY)	6.3	4.7	3.3	5.0	6.0	5.7	4.0	2.3	4.7
BA 73-626 (KELLY)	6.3	5.0	2.7	4.0	5.3	5.7	5.3	3.0	4.7
MERIT	6.7	4.0	3.0	5.3	4.7	5.7	6.7	1.3	4.7
TENDOS	5.7	4.3	3.3	4.7	4.7	7.0	6.3	1.3	4.7
VICTA	6.0	3.3	3.0	4.3	4.7	6.0	7.0	3.0	4.7
WW AG 468	6.0	5.3	3.0	6.7	3.7	5.7	5.3	1.7	4.7
WW AG 495	6.3	4.7	2.7	5.3	5.0	6.3	5.7	1.3	4.7
ANNIKA	.	4.3	3.7	5.3	4.7	5.3	6.0	3.3	4.7
P-104 (PRINCETON 104)	5.3	3.0	5.0	5.3	4.7	5.3	6.7	1.3	4.6
PST-CB1	.	3.7	3.7	5.7	5.3	5.7	6.7	1.3	4.6

TABLE 7. SEEDLING VIGOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	BC1	ID2	IL2	MO1	NJ1	UB1	WA1	WA4	MEAN
ASPEN	5.3	4.3	4.0	4.3	5.0	5.7	5.7	2.0	4.5
BA 72-500 (CHATEAU)	6.7	3.0	3.3	4.3	5.7	5.0	6.7	1.7	4.5
WW AG 496	6.7	2.3	4.0	4.7	5.3	6.0	5.7	1.7	4.5
ECLIPSE	6.0	4.7	3.7	5.7	4.0	3.7	6.0	2.3	4.5
BAR VB 577 (BARLYMPIA)	6.3	3.7	4.0	5.7	4.0	5.0	5.3	2.0	4.5
SYDSPORT	6.0	4.3	3.7	6.3	4.0	2.7	7.3	1.7	4.5
BRISTOL	5.3	2.3	3.3	5.3	5.0	5.0	7.0	2.7	4.5
CHALLENGER	5.7	4.0	4.3	5.7	4.7	4.7	4.7	2.0	4.5
GNOME	6.3	3.0	3.3	5.7	4.3	4.3	6.3	2.3	4.5
HV 97 (COCKTAIL)	6.0	4.0	5.0	5.0	4.0	2.7	5.7	2.7	4.4
AQUILA	6.0	2.7	4.3	2.7	5.7	5.7	6.3	1.3	4.3
BA 72-441 (ABBAY)	6.3	4.3	2.7	2.7	5.0	6.3	6.0	1.3	4.3
DAWN	.	2.7	4.0	6.3	4.3	4.7	6.0	2.3	4.3
LIBERTY	.	3.3	4.3	5.7	4.3	4.7	6.3	1.7	4.3
BA 72-492 (ESTATE)	5.3	5.0	3.0	6.3	4.3	2.7	6.3	1.3	4.3
JULIA	5.7	4.3	2.7	5.3	3.7	3.3	7.0	1.7	4.2
BA 73-540	5.7	4.3	4.0	2.7	4.0	4.0	6.3	2.0	4.1
ABLE I	5.7	3.3	3.7	3.7	4.0	4.7	6.0	1.7	4.1
DESTINY	.	3.0	4.0	4.0	4.3	4.3	6.7	2.0	4.0
MIDNIGHT	6.0	4.7	2.7	4.3	4.0	5.3	4.3	1.0	4.0
CONNI	.	3.0	4.7	5.3	3.3	4.0	5.0	2.7	4.0
BARZAN	5.7	4.3	3.7	3.3	3.3	2.7	5.7	2.7	3.9
BLACKSBURG	4.7	4.3	2.7	4.0	3.3	4.7	5.0	2.7	3.9
GLADE	5.7	4.0	3.3	3.3	3.3	2.7	6.0	2.0	3.8
MERION	5.7	3.0	4.0	2.7	4.0	3.3	5.7	1.3	3.7
BA 69-82	4.3	2.0	4.3	4.3	3.0	1.7	6.0	2.0	3.5
BA 70-242 (MARQUIS)	4.7	3.7	3.0	4.3	2.3	2.0	4.7	2.0	3.3
LSD VALUE	1.5	2.5	2.6	2.8	1.4	1.2	1.6	1.3	0.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 8. LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/

NAME	BC1	ID2	IN1	MO1	NM2	OH1	SD1	WA3	MEAN
BAR VB 534	7.2	8.0	7.8	7.3	8.3	7.2	7.3	8.3	7.7
CYNTHIA	7.1	6.7	8.0	7.7	7.7	7.2	7.1	9.0	7.5
MYSTIC	7.1	7.7	7.8	7.3	7.7	7.5	8.1	6.0	7.4
KENBLUE	6.4	8.0	7.7	8.0	8.0	7.2	8.3	5.3	7.4
HV 97 (COCKTAIL)	7.0	8.3	7.0	8.0	7.3	7.0	7.2	7.0	7.4
WELCOME	5.8	8.7	7.2	8.0	7.7	7.0	7.6	6.3	7.3
SOMERSET	6.4	8.0	6.0	7.7	7.3	6.8	7.2	8.7	7.3
S.D. CERTIFIED	6.1	7.7	7.5	8.3	8.0	7.0	7.8	5.3	7.2
JOY	6.4	8.0	6.5	8.3	8.7	7.3	7.1	5.3	7.2
WABASH	6.2	7.7	6.8	7.3	7.7	7.0	8.0	7.0	7.2
WW AG 495	6.4	8.0	6.5	8.3	7.3	7.5	6.8	6.7	7.2
AMAZON	6.9	8.3	6.2	7.7	7.7	7.0	7.3	6.0	7.1
ANNIKA	.	7.7	5.3	7.7	7.7	6.8	7.3	7.0	7.1
AMERICA	6.2	7.0	6.5	7.7	7.3	6.8	7.2	7.7	7.1
F-1872 (FREEDOM)	.	6.7	6.2	8.3	7.7	6.8	6.8	6.7	7.0
WW AG 491	6.2	6.7	6.7	8.3	7.7	7.0	6.6	7.0	7.0
ABLE I	6.1	7.7	6.5	7.7	7.0	6.8	6.6	7.7	7.0
K3-178	6.0	7.3	5.3	7.7	8.0	6.8	7.0	7.3	6.9
PARADE	5.9	7.0	6.0	7.3	8.0	6.8	7.3	7.0	6.9
MONOPOLY	6.0	6.7	6.3	8.3	7.7	6.8	6.4	7.0	6.9
COMPACT	.	7.3	6.3	8.0	7.0	6.5	6.4	6.7	6.9
HAGA	5.9	7.0	5.5	7.7	7.0	6.7	7.3	7.7	6.8
RAM-1	6.1	7.7	5.5	7.7	7.7	7.2	6.6	6.3	6.8
BAR VB 577 (BARLYMPIA)	6.1	7.3	5.3	7.7	7.7	7.0	6.6	7.0	6.8
GEORGETOWN	5.6	7.0	5.3	7.7	7.3	6.8	6.8	8.0	6.8
ASPEN	5.8	7.3	5.2	8.0	6.7	6.7	6.6	8.3	6.8
HUNTSVILLE	.	7.0	5.8	8.0	7.3	6.8	7.3	5.3	6.8
TRENTON	5.9	7.0	5.5	7.7	7.3	6.8	6.4	7.7	6.8
CONNI	.	7.0	6.2	7.3	6.3	7.0	7.3	6.3	6.8
CLASSIC	5.9	7.0	5.2	7.7	7.0	6.7	7.3	7.3	6.8
AQUILA	6.1	7.3	6.5	7.0	7.0	7.0	6.1	7.0	6.8
239 (SUFFOLK)	5.7	7.0	5.3	8.3	7.3	7.0	6.7	6.7	6.8
WW AG 496	6.0	7.0	5.3	8.3	7.0	7.0	6.9	6.3	6.7
K1-152	5.7	7.3	5.5	8.0	7.0	6.8	6.4	7.0	6.7
ASSET	5.8	6.7	5.8	7.7	6.7	7.0	6.8	7.3	6.7
WW AG 468	6.0	7.3	5.7	8.0	7.3	7.0	6.7	5.7	6.7
MIDNIGHT	6.2	7.7	5.7	8.0	7.7	6.8	5.6	6.0	6.7
NE 80-88	.	7.0	5.7	8.3	7.0	6.8	6.2	5.7	6.7
PST-CB1	.	6.3	5.2	8.3	7.3	6.8	5.9	6.7	6.7
RUGBY	6.0	6.3	5.3	8.0	7.0	6.8	7.3	6.3	6.6
CHALLENGER	5.7	8.0	5.5	8.0	7.0	6.7	5.6	6.7	6.6
MERION	6.0	6.0	5.7	7.0	6.7	7.0	6.3	8.0	6.6
GLADE	6.0	7.0	5.5	7.3	7.0	6.8	6.3	6.7	6.6
LIBERTY	.	6.3	5.0	9.0	7.0	6.7	6.0	6.0	6.6
IKONE	6.3	7.3	5.7	7.3	6.3	6.8	6.3	6.3	6.6

TABLE 8. LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE								
	BC1	ID2	IN1	MO1	NM2	OH1	SD1	WA3	MEAN
TENDOS	6.0	7.3	4.8	7.3	6.0	6.5	6.3	8.0	6.5
DAWN	.	6.7	4.8	8.0	7.3	6.8	6.4	5.7	6.5
LOFTS 1757	5.3	6.7	5.2	7.7	7.0	7.0	5.6	7.7	6.5
ECLIPSE	5.8	6.3	5.7	7.7	6.3	6.7	6.9	6.7	6.5
NASSAU	5.3	7.0	5.0	8.3	7.0	6.5	5.8	7.0	6.5
A-34	6.1	7.7	5.5	7.3	6.3	6.8	5.4	6.7	6.5
BLACKSBURG	5.9	7.7	5.2	8.3	6.0	6.8	5.2	6.7	6.5
JULIA	6.3	6.0	5.2	7.7	7.0	6.8	6.6	6.0	6.4
BARZAN	6.1	7.7	4.8	7.0	6.7	6.6	6.3	5.7	6.4
BARON	5.9	6.3	5.8	7.7	7.0	6.7	6.3	4.3	6.3
P-104 (PRINCETON 104)	5.8	6.3	4.3	8.3	6.0	6.6	5.7	7.0	6.3
BRISTOL	5.0	6.3	5.5	7.7	6.3	7.0	6.1	6.0	6.2
BA 72-441 (ABBAY)	5.8	6.7	4.8	7.7	6.3	6.5	6.1	5.3	6.2
HARMONY	5.6	6.0	5.3	8.0	6.3	6.8	5.9	4.7	6.1
BA 72-492 (ESTATE)	5.7	6.3	3.8	8.7	6.7	6.5	6.0	4.7	6.0
MERIT	5.7	7.0	4.5	8.0	6.3	6.5	6.1	4.0	6.0
GNOME	5.4	6.3	4.5	7.0	6.7	6.7	6.1	5.3	6.0
VICTA	5.6	7.0	5.2	7.3	6.3	6.7	6.1	3.3	5.9
CHERI	5.6	6.0	3.8	8.3	6.3	6.5	5.8	5.0	5.9
BA 72-500 (CHATEAU)	5.7	6.3	4.2	8.0	6.3	6.5	5.9	4.3	5.9
SYDSPORT	5.9	6.0	3.8	7.7	6.0	6.3	6.0	5.0	5.8
DESTINY	.	5.7	4.2	7.3	6.3	6.3	5.3	5.7	5.8
BA 73-626 (KELLY)	5.3	5.7	5.0	8.0	6.7	6.5	5.7	3.7	5.8
BA 70-242 (MARQUIS)	5.4	5.7	4.7	7.7	6.3	6.7	5.4	4.3	5.8
BA 73-540	5.4	6.3	4.0	7.0	6.0	6.4	5.8	4.0	5.6
BA 70-139 (COVENTRY)	5.4	5.3	4.2	7.3	5.7	6.3	6.1	4.3	5.6
BA 69-82	5.6	5.0	3.5	7.7	6.0	6.3	6.2	3.7	5.5
LSD VALUE	0.4	1.6	0.9	1.3	1.0	0.5	0.6	1.4	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 9. WEAR TOLERANCE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

WEAR TOLERANCE RATINGS 1-9; 9=BEST 2/

NAME	BC1	OR1	MEAN
P-104 (PRINCETON 104)	6.0	6.7	6.3
BLACKSBURG	6.3	6.3	6.3
MIDNIGHT	6.3	6.3	6.3
A-34	6.3	5.7	6.0
LIBERTY	.	6.0	6.0
BA 69-82	6.7	5.0	5.8
BA 72-500 (CHATEAU)	6.7	5.0	5.8
CHERI	6.7	5.0	5.8
BA 72-492 (ESTATE)	6.3	5.3	5.8
BA 73-540	6.7	4.7	5.7
DAWN	.	5.7	5.7
JULIA	6.0	5.3	5.7
BA 72-441 (ABBAY)	5.7	5.3	5.5
CHALLENGER	6.0	5.0	5.5
IKONE	6.0	5.0	5.5
MERIT	6.0	4.7	5.3
SYDSPORT	6.3	4.3	5.3
VICTA	6.3	4.3	5.3
ASSET	5.7	4.7	5.2
WELCOME	7.0	3.3	5.2
BRISTOL	5.0	5.3	5.2
CLASSIC	5.3	5.0	5.2
239 (SUFFOLK)	5.3	4.7	5.0
ABLE I	5.7	4.3	5.0
AMERICA	5.0	5.0	5.0
BA 73-626 (KELLY)	6.0	4.0	5.0
ECLIPSE	4.7	5.3	5.0
HAGA	5.3	4.7	5.0
MERION	6.3	3.7	5.0
WW AG 491	5.3	4.7	5.0
BA 70-242 (MARQUIS)	5.7	4.0	4.8
BAR VB 534	4.7	5.0	4.8
CYNTHIA	5.0	4.7	4.8
K1-152	5.7	4.0	4.8
NASSAU	5.0	4.7	4.8
SOMERSET	5.7	4.0	4.8
BA 70-139 (COVENTRY)	6.3	3.3	4.8
HV 97 (COCKTAIL)	5.3	4.3	4.8
PARADE	5.3	4.3	4.8
AQUILA	5.7	3.7	4.7
CONNI	.	4.7	4.7
WW AG 496	6.0	3.3	4.7
ASPEN	5.0	4.3	4.7
GEORGETOWN	5.3	4.0	4.7
LOFTS 1757	5.3	4.0	4.7

WEAR TOLERANCE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

WEAR TOLERANCE RATINGS 1-9; 9=BEST

NAME	BC1	OR1	MEAN
RAM-1	5.0	4.3	4.7
BARON	5.0	4.0	4.5
K3-178	4.7	4.3	4.5
TENDOS	5.5	3.3	4.4
RUGBY	5.7	3.0	4.3
BARZAN	5.0	3.7	4.3
F-1872 (FREEDOM)	.	4.3	4.3
GLADE	5.7	2.7	4.2
S.D. CERTIFIED	5.0	3.3	4.2
WW AG 495	4.7	3.7	4.2
GNOME	4.3	4.0	4.2
MONOPOLY	4.7	3.3	4.0
PST-CB1	.	4.0	4.0
TRENTON	5.3	2.7	4.0
WW AG 468	5.7	2.3	4.0
HARMONY	5.0	2.3	3.7
AMAZON	5.3	2.0	3.7
MYSTIC	5.3	2.0	3.7
WABASH	4.3	3.0	3.7
BAR VB 577 (BARLYMPIA)	4.0	3.0	3.5
DESTINY	.	3.3	3.3
NE 80-88	.	3.3	3.3
JOY	4.0	2.7	3.3
KENBLUE	4.0	2.7	3.3
ANNIKA	.	3.0	3.0
HUNTSVILLE	.	3.0	3.0
COMPACT	.	2.7	2.7
LSD VALUE	1.2	1.9	1.2

1/ WEAR TOLERANCE RATED AT "OR1" IN 1988 AND AT "BC1" IN 1990.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 10. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	IN1	MB1	MO1	OH1	PA2	SD1	MEAN
ELACKSBURG	7.0	7.8	6.8	5.3	9.0	7.8	7.3
ASSET	7.0	7.0	7.2	6.0	7.3	8.0	7.1
AMERICA	7.7	7.5	6.8	5.3	6.7	8.0	7.0
CHERI	6.7	7.3	6.3	6.0	7.3	8.0	6.9
EA 70-139 (COVENTRY)	7.3	7.3	6.7	5.5	6.7	7.7	6.9
CLASSIC	7.0	7.2	7.2	5.2	6.7	7.8	6.8
EA 72-500 (CHATEAU)	6.3	7.2	6.5	6.2	7.3	7.5	6.8
EA 73-540	6.3	7.5	6.7	5.4	7.3	7.7	6.8
MERION	7.0	6.7	6.3	5.7	7.0	8.2	6.8
MIDNIGHT	7.0	6.7	6.5	5.7	7.3	7.5	6.8
P-104 (PRINCETON 104)	7.3	6.0	6.5	6.0	.	8.0	6.8
CYNTHIA	6.3	8.5	6.8	4.5	6.7	7.5	6.7
SYDSPORT	7.0	6.8	6.5	5.5	7.0	7.5	6.7
EA 72-492 (ESTATE)	6.7	6.7	7.2	5.5	7.0	7.2	6.7
WW AG 491	7.0	7.7	6.5	5.3	6.7	7.0	6.7
WW AG 496	6.7	7.5	7.0	4.8	7.0	7.2	6.7
A-34	6.7	6.3	6.8	5.8	7.0	7.3	6.7
F-1872 (FREEDOM)	6.7	7.2	7.0	5.0	.	7.5	6.7
HAGA	6.7	6.7	6.8	5.3	6.7	7.8	6.7
BAR VB 534	6.3	8.3	6.7	4.3	7.3	6.8	6.6
GLADE	6.7	7.0	6.7	5.3	6.7	7.5	6.6
K3-178	7.0	6.7	6.8	5.0	6.3	8.0	6.6
EA 69-82	6.7	6.0	6.0	6.0	7.0	8.0	6.6
JULIA	5.7	6.8	6.3	5.8	7.0	8.0	6.6
AMAZON	7.0	8.2	6.2	5.0	5.7	7.5	6.6
CHALLENGER	6.3	6.3	6.3	6.2	6.7	7.7	6.6
MYSTIC	6.3	7.7	6.3	5.3	6.3	7.5	6.6
WABASH	6.7	7.2	7.2	6.3	4.7	7.5	6.6
WW AG 468	6.3	6.8	6.2	5.7	7.3	7.2	6.6
NE 80-88	6.0	6.7	7.2	5.4	.	7.7	6.6
ECLIPSE	7.0	6.2	6.8	5.2	7.0	7.2	6.6
SOMERSET	6.3	6.8	6.8	5.2	6.7	7.5	6.6
IKONE	6.3	6.8	7.0	5.5	6.3	7.3	6.6
COMPACT	5.3	7.7	6.7	5.5	.	7.5	6.5
MONOPOLY	6.7	6.7	6.3	5.2	6.7	7.7	6.5
HV 97 (COCKTAIL)	7.0	7.3	6.5	4.8	6.0	7.5	6.5
RAM-1	6.3	7.7	6.3	6.0	5.3	7.5	6.5
ASPEN	6.7	6.3	6.3	4.3	7.7	7.7	6.5
EST-CB1	6.7	6.7	6.5	5.5	.	7.2	6.5
WW AG 495	6.0	8.0	6.5	5.3	5.7	7.5	6.5
LOFTS 1757	6.3	6.2	7.0	4.8	6.7	7.8	6.5
PARADE	6.7	7.0	6.5	5.0	5.7	8.0	6.5
TRENTON	7.0	5.8	6.7	5.2	6.7	7.5	6.5
BARON	6.3	7.5	6.2	4.8	6.3	7.7	6.5
DAWN	6.0	6.2	7.0	5.2	6.7	7.7	6.4

TABLE 10. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
NAME	IN1	MB1	MO1	OH1	PA2	SD1	MEAN
239 (SUFFOLK)	6.7	5.8	7.3	4.8	6.7	7.3	6.4
K1-152	6.0	6.5	6.3	4.8	7.0	8.0	6.4
CONNI	6.0	7.5	6.3	4.8	.	7.5	6.4
ABLE I	5.7	6.8	6.0	4.3	7.7	8.0	6.4
MERIT	6.3	6.7	5.8	5.0	6.7	7.8	6.4
S.D. CERTIFIED	6.7	7.5	6.2	5.7	4.7	7.3	6.3
BA 72-441 (ABBEY)	6.7	7.2	5.3	4.8	6.7	7.3	6.3
GEORGETOWN	6.3	6.2	6.8	5.0	5.7	8.0	6.3
WELCOME	6.3	7.5	6.3	4.6	5.7	7.5	6.3
ANNIKA	6.0	7.0	6.2	4.8	.	7.5	6.3
BA 73-626 (KELLY)	6.0	7.5	5.2	5.0	7.0	7.0	6.3
NASSAU	5.7	5.7	6.3	6.2	6.0	7.7	6.3
RUGBY	6.7	5.3	6.7	5.3	6.3	7.2	6.3
VICTA	6.0	6.5	6.2	5.0	6.7	7.2	6.3
HARMONY	6.3	6.3	6.5	5.4	6.0	6.8	6.2
AQUILA	6.3	7.0	6.5	5.2	5.0	7.3	6.2
BA 70-242 (MARQUIS)	6.3	6.0	6.0	5.3	6.7	7.0	6.2
LIBERTY	6.3	6.0	6.2	5.2	.	7.3	6.2
BAR VB 577 (BARLYMPIA)	6.0	6.3	6.5	5.3	5.7	7.3	6.2
JOY	6.0	7.0	6.3	4.8	5.0	7.5	6.1
DESTINY	5.7	5.3	6.5	6.2	.	6.8	6.1
GNOME	6.0	6.7	5.8	5.0	.	7.0	6.1
BRISTOL	6.0	5.7	6.7	5.0	6.0	7.2	6.1
TENDOS	5.3	5.7	6.8	5.2	.	7.0	6.0
HUNTSVILLE	5.0	6.2	6.3	5.0	.	7.2	5.9
BARZAN	5.3	6.3	5.7	5.0	.	7.0	5.9
KENBLUE	5.0	7.2	6.5	5.3	4.0	6.7	5.8
LSD VALUE	1.1	1.1	1.1	1.0	1.2	0.5	0.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 11. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	IN1	MB1	MO1	OH1	SD1	MEAN
MYSTIC	8.0	8.8	7.3	7.1	9.0	8.1
WABASH	7.3	8.8	7.7	6.8	9.0	7.9
BAR VB 534	7.3	8.8	7.2	6.9	9.0	7.8
BLACKSBURG	7.0	7.8	8.2	7.1	9.0	7.8
ASSET	7.0	8.0	7.7	7.0	9.0	7.7
BA 72-500 (CHATEAU)	6.7	8.0	7.8	7.1	9.0	7.7
WW AG 495	7.3	8.3	7.2	6.8	9.0	7.7
AMERICA	7.0	8.2	7.3	7.0	9.0	7.7
CYNTHIA	7.3	9.0	7.0	6.8	8.3	7.7
HV 97 (COCKTAIL)	7.0	8.7	7.2	6.5	8.8	7.6
ABLE I	6.7	8.0	7.2	7.3	9.0	7.6
SOMERSET	6.7	8.0	7.7	6.8	9.0	7.6
BA 72-492 (ESTATE)	7.0	7.7	7.8	6.9	8.7	7.6
ECLIPSE	7.0	7.8	7.3	6.8	9.0	7.6
RAM-1	6.7	8.2	7.3	6.8	9.0	7.6
WW AG 468	7.0	8.0	7.0	6.9	9.0	7.6
MIDNIGHT	6.7	8.0	7.2	7.0	9.0	7.6
BA 70-139 (COVENTRY)	6.3	8.0	7.5	7.0	9.0	7.6
WW AG 491	7.0	8.2	7.3	6.6	8.7	7.6
CHERI	6.3	8.2	7.5	6.8	8.8	7.5
A-34	6.7	7.7	7.3	6.9	9.0	7.5
GLADE	7.3	7.0	7.3	6.9	9.0	7.5
CONNI	7.0	8.7	6.7	6.5	8.7	7.5
BA 72-441 (ABBAY)	6.7	7.7	7.3	7.1	8.7	7.5
SYDSPORT	6.0	8.0	7.7	6.8	9.0	7.5
PARADE	6.7	7.8	7.0	6.9	9.0	7.5
P-104 (PRINCETON 104)	7.3	7.0	7.3	6.7	9.0	7.5
WELCOME	7.0	8.2	7.2	6.0	9.0	7.5
BA 73-540	6.3	8.2	7.0	6.8	9.0	7.5
AMAZON	5.7	8.7	7.8	6.4	8.7	7.4
JULIA	6.3	7.5	7.8	6.5	9.0	7.4
BA 69-82	6.3	7.7	7.5	6.6	9.0	7.4
CLASSIC	6.3	8.0	7.5	6.6	8.7	7.4
BARON	6.7	7.5	7.5	6.6	8.8	7.4
AQUILA	7.0	7.8	7.2	6.5	8.5	7.4
ANNIKA	6.0	8.0	7.8	6.1	9.0	7.4
VICTA	6.7	7.2	7.5	7.0	8.5	7.4
F-1872 (FREEDOM)	6.3	7.8	7.5	6.6	8.5	7.4
WW AG 496	6.7	7.8	7.3	6.6	8.3	7.4
HUNTSVILLE	7.3	7.0	7.3	6.8	8.3	7.4
CHALLENGER	6.0	7.7	7.2	6.9	9.0	7.3
COMPACT	6.7	8.0	7.2	6.4	8.5	7.3
BRISTOL	6.3	7.2	7.5	7.0	8.7	7.3
BA 73-626 (KELLY)	6.7	7.3	7.2	7.1	8.3	7.3
NE 80-88	6.7	7.5	7.3	6.4	8.7	7.3

SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	IN1	MB1	MO1	OH1	SD1	MEAN
239 (SUFFOLK)	6.0	7.3	7.7	6.6	8.7	7.3
S.D. CERTIFIED	7.3	7.7	6.8	6.4	8.0	7.2
LOFTS 1757	7.0	7.0	7.2	6.8	8.2	7.2
MERIT	6.3	6.8	7.5	6.9	8.5	7.2
ASPEN	6.7	7.2	6.8	6.6	8.7	7.2
TRENTON	6.3	7.3	7.3	6.6	8.3	7.2
GNOME	6.3	7.3	6.8	6.8	8.7	7.2
K1-152	6.0	7.3	7.3	6.5	8.7	7.2
IKONE	6.0	7.5	7.2	6.3	8.8	7.2
BAR VB 577 (BARLYMPIA)	6.3	7.5	6.8	6.9	8.2	7.1
K3-178	6.0	7.5	7.2	6.5	8.5	7.1
GEORGETOWN	6.3	7.0	7.0	6.6	8.7	7.1
HARMONY	7.0	6.7	7.8	6.0	8.0	7.1
KENBLUE	7.0	7.2	7.0	6.3	8.0	7.1
HAGA	6.0	7.5	7.0	6.4	8.5	7.1
MERION	6.7	7.0	7.0	6.9	7.8	7.1
PST-CB1	6.3	7.0	7.2	6.9	8.0	7.1
MONOPOLY	6.7	6.5	7.3	6.4	8.3	7.0
BA 70-242 (MARQUIS)	6.7	6.3	6.8	7.0	8.3	7.0
BARZAN	6.7	7.7	6.5	5.3	9.0	7.0
TENDOS	7.0	6.5	7.0	6.5	8.0	7.0
LIBERTY	6.0	7.2	6.8	6.3	8.7	7.0
DAWN	6.0	6.8	7.2	6.5	8.3	7.0
JOY	5.7	7.2	7.3	6.5	8.0	6.9
RUGBY	5.7	6.7	7.0	6.5	8.2	6.8
NASSAU	6.0	6.3	7.2	6.8	7.7	6.8
DESTINY	5.3	6.3	6.7	6.3	8.2	6.6
LSD VALUE	1.0	0.8	1.1	1.2	0.5	0.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 12. FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	ID2	MB1	MO1	OH1	SD1	WA4	MEAN
CYNTHIA	8.0	9.0	8.0	7.7	8	7.7	8.1
WABASH	7.7	8.4	8.3	7.7	9	6.7	8.0
HV 97 (COCKTAIL)	9.0	8.1	7.0	6.7	9	7.7	7.9
MYSTIC	7.3	8.3	7.3	7.7	9	7.7	7.9
AMERICA	7.3	7.8	7.7	7.0	9	8.0	7.8
BLACKSBURG	8.0	8.3	8.3	8.0	8	5.7	7.7
CHERI	7.0	7.7	8.0	7.3	9	7.3	7.7
COMPACT	7.7	8.0	7.7	7.0	8	8.0	7.7
RAM-1	7.7	8.4	7.3	7.0	9	6.7	7.7
AMAZON	8.3	8.3	8.0	6.0	9	6.3	7.7
BAR VB 534	8.0	8.7	8.0	7.3	8	6.0	7.7
CHALLENGER	8.0	8.0	7.3	7.7	8	6.7	7.6
A-34	7.7	8.0	8.0	7.3	8	6.3	7.6
BA 73-540	7.3	8.0	8.0	8.0	9	5.0	7.6
SOMERSET	8.0	7.8	7.3	7.3	8	6.7	7.5
CONNI	7.7	8.0	7.0	7.0	7	8.3	7.5
BA 72-500 (CHATEAU)	7.0	7.9	7.7	7.7	8	6.7	7.5
KENBLUE	8.0	8.1	7.0	7.0	8	6.7	7.5
SYDSPORT	7.3	7.9	7.3	7.0	9	6.0	7.4
PARADE	6.7	7.8	8.0	7.3	9	5.7	7.4
JOY	7.0	7.7	7.0	7.7	8	7.0	7.4
MIDNIGHT	8.3	7.6	8.0	8.0	9	3.3	7.4
ASSET	7.0	7.4	7.0	8.0	9	5.7	7.4
BA 70-139 (COVENTRY)	7.0	8.0	7.3	7.3	9	5.3	7.3
ANNIKA	8.0	7.9	6.7	7.0	8	6.3	7.3
HAGA	7.7	7.6	7.3	7.0	9	5.3	7.3
WW AG 495	7.7	8.2	7.3	7.0	9	4.7	7.3
F-1872 (FREEDOM)	7.3	7.8	8.0	7.7	8	5.0	7.3
WELCOME	7.7	8.4	7.3	7.0	9	4.3	7.3
NE 80-88	6.7	7.9	7.3	7.5	7	.	7.3
CLASSIC	7.3	7.9	7.7	7.0	8	5.7	7.3
BA 69-82	6.0	7.2	8.0	8.0	8	5.7	7.1
BRISTOL	6.3	7.2	7.7	8.7	8	5.0	7.1
ABLE I	7.0	7.7	7.7	7.0	8	5.3	7.1
S.D. CERTIFIED	6.5	7.7	7.0	7.0	8	6.3	7.1
K1-152	7.3	7.4	7.7	7.0	9	4.0	7.1
AQUILA	7.7	7.9	7.3	7.0	7	5.3	7.0
ECLIPSE	7.3	7.9	6.7	7.7	8	4.7	7.0
GLADE	7.3	7.2	7.3	7.7	8	4.7	7.0
P-104 (PRINCETON 104)	7.0	7.4	8.0	7.7	7	5.0	7.0
MONOPOLY	6.7	6.8	8.0	7.0	8	5.7	7.0
RUGBY	7.3	7.1	7.3	7.0	8	5.3	7.0
239 (SUFFOLK)	7.3	7.0	8.0	7.0	8	4.7	7.0
BAR VB 577 (BARLYMPIA)	6.7	7.9	7.7	7.0	7	5.7	7.0
BARON	6.3	7.6	7.3	7.0	8	5.7	7.0

TABLE 12. FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
NAME	ID2	MB1	MO1	OH1	SD1	WA4	MEAN
EA 72-492 (ESTATE)	7.3	7.1	7.7	7.7	8	4.0	7.0
WW AG 491	7.3	8.3	7.3	5.7	8	5.0	6.9
BARZAN	7.3	7.6	6.7	7.0	7	6.0	6.9
GEORGETOWN	6.7	7.1	7.7	6.7	8	5.3	6.9
LOFTS 1757	6.3	7.0	7.3	8.0	8	4.7	6.9
K3-178	7.0	7.6	7.3	7.0	8	4.3	6.9
TENDOS	7.3	7.2	7.0	7.3	8	4.3	6.9
JULIA	6.7	7.8	8.0	6.7	8	4.0	6.9
TRENTON	6.7	7.3	7.3	7.0	8	4.7	6.8
ASPEN	7.0	7.6	7.7	7.3	7	4.3	6.8
HARMONY	7.0	7.1	7.3	7.3	7	5.0	6.8
EST-CB1	7.3	7.1	7.3	5.3	8	5.3	6.7
WW AG 468	7.0	7.7	7.0	4.0	8	6.7	6.7
DAWN	6.3	6.9	7.3	7.3	8	4.0	6.6
LIBERTY	7.0	7.2	7.0	7.0	8	3.7	6.6
VICTA	6.7	7.3	7.7	7.0	8	3.0	6.6
EA 73-626 (KELLY)	6.0	7.4	7.0	7.5	7	4.7	6.6
GNOME	6.7	7.4	6.7	7.0	8	3.7	6.6
NASSAU	6.7	6.8	7.0	8.3	6	4.7	6.6
WW AG 496	6.3	7.7	8.0	5.3	8	4.0	6.6
DESTINY	6.3	6.3	6.7	8.0	6	5.3	6.4
IKONE	7.0	7.7	7.3	5.0	7	4.7	6.4
MERION	7.0	7.3	7.0	7.3	7	3.0	6.4
HUNTSVILLE	6.7	7.3	7.3	7.0	8	2.0	6.4
EA 70-242 (MARQUIS)	6.7	6.3	7.0	7.0	6	5.0	6.3
EA 72-441 (ABBEY)	6.7	7.2	7.7	7.0	7	2.0	6.3
MERIT	7.3	7.2	6.3	7.0	7	2.3	6.2
LSD VALUE	1.2	0.8	0.9	1.4	0	3.1	0.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 13.

PERCENT LIVING GROUND COVER (SPRING)  
RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/								MEAN
	KY1	MO1	NC2	NE2	UB1	VA1	VA2	VA3	
F-1872 (FREEDOM)	96.3	87.9	65.0	66.7	97.7	55.8	53.3	85.3	76.0
CLASSIC	97.3	82.9	46.7	80.0	96.3	55.8	52.5	85.0	74.6
239 (SUFFOLK)	92.3	87.7	48.3	80.0	96.0	56.7	51.7	75.8	73.6
PARADE	94.7	78.3	68.3	90.0	85.0	45.8	42.5	75.5	72.5
PST-CB1	93.3	84.3	60.0	86.7	84.7	55.8	50.0	62.5	72.2
K3-178	97.3	85.2	53.3	73.3	93.0	55.8	46.7	71.7	72.0
BA 72-500 (CHATEAU)	97.3	79.9	53.3	90.0	84.7	56.7	57.5	56.7	72.0
GEORGETOWN	96.3	80.6	56.7	73.3	88.3	54.2	50.0	74.8	71.8
K1-152	95.0	81.4	58.3	76.7	90.0	54.2	47.5	69.2	71.5
MONOPOLY	78.3	83.8	61.7	80.0	97.7	54.2	49.2	67.2	71.5
RUGBY	95.7	80.0	53.3	86.7	93.3	55.0	45.8	61.7	71.4
WABASH	93.3	76.1	66.7	80.0	93.0	44.2	47.5	61.7	70.3
BLACKSBURG	96.7	76.4	51.7	80.0	83.3	67.5	55.8	48.7	70.0
TRENTON	92.3	87.3	53.3	76.7	93.3	58.3	45.8	51.7	69.9
A-34	91.7	84.8	53.3	83.3	94.7	51.7	50.0	49.0	69.8
TENDOS	95.7	81.0	56.7	80.0	88.3	52.5	42.5	59.2	69.5
LOFTS 1757	83.3	83.6	55.0	73.3	86.7	62.5	54.2	55.8	69.3
SYDSPORT	95.0	85.9	51.7	70.0	80.0	55.8	50.8	65.0	69.3
SOMERSET	83.3	85.6	53.3	76.7	89.7	50.0	51.7	62.2	69.0
RAM-1	93.3	74.4	56.7	73.3	91.0	62.5	51.7	49.3	69.0
CHERI	95.0	82.3	51.7	90.0	83.3	52.5	44.2	50.2	68.6
ASPEN	91.7	77.4	55.0	70.0	86.7	52.5	45.0	70.8	68.6
BARON	86.7	80.9	61.7	80.0	90.0	50.8	49.2	49.2	68.5
HAGA	97.0	85.8	55.0	73.3	75.0	60.8	47.5	53.2	68.5
AMERICA	95.0	86.1	53.3	90.0	66.7	60.8	39.2	55.8	68.4
IKONE	91.7	86.1	45.0	76.7	91.7	58.3	49.2	46.8	68.2
NASSAU	90.0	73.3	56.7	80.0	81.7	50.0	45.0	67.5	68.0
ASSET	81.7	77.6	56.7	66.7	97.7	58.3	55.0	50.0	67.9
JULIA	88.3	83.8	38.3	83.3	93.3	59.2	54.2	42.2	67.8
WW AG 496	94.0	78.4	50.0	70.0	88.3	57.5	52.5	51.8	67.8
BA 72-492 (ESTATE)	96.0	86.3	43.3	83.3	83.3	56.7	45.0	48.5	67.8
BA 70-139 (COVENTRY)	92.3	81.8	45.0	83.3	83.3	56.7	49.2	49.5	67.6
VICTA	88.3	74.2	48.3	76.7	85.0	60.8	57.5	48.8	67.5
MERION	88.3	68.4	48.3	80.0	86.3	58.3	56.7	50.8	67.2
AMAZON	90.0	83.0	60.0	83.3	75.0	56.7	42.5	46.7	67.1
HARMONY	70.0	86.3	56.7	83.3	88.3	53.3	52.5	46.2	67.1
GNOME	91.7	79.4	48.3	80.0	89.7	53.3	42.5	51.7	67.1
ECLIPSE	88.3	82.9	51.7	80.0	70.0	65.0	46.7	50.3	66.9
ABLE I	90.0	72.9	53.3	76.7	81.7	57.5	43.3	59.2	66.8
P-104 (PRINCETON 104)	75.0	80.3	55.0	76.7	91.3	58.3	46.7	50.3	66.7
S.D. CERTIFIED	81.7	84.6	55.0	83.3	90.0	36.7	39.2	63.2	66.7
WW AG 495	91.7	80.1	53.3	80.0	90.0	51.7	42.5	44.2	66.7
DAWN	88.3	81.2	48.3	83.3	78.3	52.5	48.3	51.7	66.5
WW AG 491	91.7	80.8	48.3	83.3	84.7	51.7	43.3	47.7	66.4
CHALLENGER	93.3	81.3	51.7	76.7	80.0	55.0	40.0	53.3	66.4

TABLE 13. (continued)

PERCENT LIVING GROUND COVER (SPRING)  
RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS								MEAN
	KY1	MO1	NC2	NE2	UB1	VA1	VA2	VA3	
HUNTSVILLE	76.7	85.0	50.0	86.7	94.7	36.7	35.8	65.8	66.4
BA 73-540	95.0	73.6	48.3	70.0	90.0	52.5	55.0	43.5	66.0
WELCOME	53.3	77.4	70.0	80.0	97.7	61.7	45.0	42.7	66.0
BAR VB 577 (BARLYMPIA)	95.0	82.2	55.0	83.3	76.7	41.7	35.0	58.8	66.0
ANNIKA	88.3	81.2	58.3	83.3	87.7	42.5	38.3	46.7	65.8
MYSTIC	85.0	76.9	51.7	80.0	85.0	45.0	48.3	54.2	65.8
BA 73-626 (KELLY)	81.7	77.9	48.3	83.3	88.0	53.3	44.2	48.3	65.6
CONNI	90.0	72.9	60.0	86.7	71.7	54.2	45.0	42.5	65.4
MERIT	78.3	78.3	55.0	80.0	90.0	47.5	46.7	46.8	65.3
JOY	86.7	81.9	46.7	76.7	90.0	40.8	40.0	59.5	65.3
KENBLUE	85.0	83.3	56.7	80.0	93.0	38.3	37.5	47.7	65.2
WW AG 468	88.3	79.8	48.3	83.3	80.0	50.0	50.0	40.8	65.1
BA 69-82	95.3	80.6	48.3	70.0	78.3	54.2	49.2	44.2	65.0
LIBERTY	88.3	86.4	43.3	80.0	73.3	55.0	44.2	49.2	65.0
AQUILA	68.3	69.1	61.7	83.3	88.0	50.0	48.3	48.3	64.6
BRISTOL	94.0	82.7	38.3	76.7	75.0	58.3	48.3	42.5	64.5
COMPACT	68.3	80.3	51.7	63.3	88.3	53.3	45.0	63.7	64.3
BAR VB 534	68.3	80.8	55.0	83.3	91.3	49.2	40.8	44.5	64.2
MIDNIGHT	83.3	77.7	50.0	86.7	68.3	56.7	43.3	45.8	64.0
NE 80-88	81.7	81.7	46.7	80.0	89.7	48.3	35.0	48.5	63.9
CYNTHIA	83.3	81.0	53.3	76.7	83.3	45.8	39.2	48.3	63.9
GLADE	86.7	69.9	46.7	83.3	66.7	52.5	47.5	52.5	63.2
BA 72-441 (ABBEY)	75.0	72.7	50.0	80.0	76.7	52.5	47.5	47.7	62.8
HV 97 (COCKTAIL)	86.7	79.1	47.0	73.3	63.3	49.2	45.8	44.5	61.1
DESTINY	88.3	71.7	41.7	76.7	60.0	58.3	43.3	47.5	60.9
BA 70-242 (MARQUIS)	80.0	73.4	41.7	76.7	71.7	50.8	41.7	28.7	58.1
BARZAN	60.0	67.6	51.7	53.3	76.7	50.8	50.0	41.7	56.5
LSD VALUE	8.8	17.3	17.5	16.8	14.5	8.6	17.6	44.7	10.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 14.

PERCENT LIVING GROUND COVER (SUMMER)  
 RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/							
NAME	CA2	ID2	IN1	MO1	VA2	WA4	MEAN
BA 70-139 (COVENTRY)	80.0	60.0	99.0	80.8	56.7	98.0	79.1
AMERICA	70.0	71.7	99.0	79.7	51.7	81.3	75.6
CLASSIC	76.7	67.3	93.0	79.3	53.3	81.0	75.1
WW AG 468	63.3	68.3	99.0	76.0	40.0	97.7	74.1
BA 72-500 (CHATEAU)	56.7	60.0	99.0	83.0	51.7	91.3	73.6
F-1872 (FREEDOM)	63.3	68.3	97.7	85.6	58.3	68.3	73.6
GEORGETOWN	66.7	60.0	97.7	75.9	50.0	90.7	73.5
CHERI	60.0	58.3	99.0	77.1	48.3	97.5	73.4
ASSET	66.7	63.3	96.3	71.7	58.3	83.3	73.3
MYSTIC	66.7	45.0	99.0	74.9	55.0	97.7	73.0
BA 72-492 (ESTATE)	60.0	61.7	97.7	80.4	46.7	91.5	73.0
BAR VB 534	60.0	60.0	99.0	78.4	46.7	89.0	72.2
SOMERSET	53.3	58.3	97.7	84.8	46.7	88.3	71.5
BLACKSBURG	56.7	55.0	99.0	73.1	58.3	85.0	71.2
JULIA	63.3	62.3	99.0	83.6	58.3	60.0	71.1
CYNTHIA	63.3	56.7	99.0	71.8	41.7	91.3	70.6
BA 73-626 (KELLY)	60.0	56.7	97.7	74.1	41.7	92.7	70.5
RAM-1	56.7	60.0	91.0	73.3	51.7	89.7	70.4
K3-178	56.7	70.0	97.7	80.3	53.3	63.3	70.2
K1-152	63.3	63.3	99.0	78.3	48.3	66.5	69.8
PARADE	60.0	55.0	97.7	78.6	50.0	76.7	69.6
WW AG 495	66.7	58.3	99.0	67.9	41.7	84.0	69.6
A-34	56.7	55.0	97.7	82.1	48.3	77.3	69.5
TENDOS	73.3	51.7	99.0	76.1	45.0	71.7	69.5
VICTA	70.0	43.3	99.0	68.9	61.7	72.7	69.3
SYDSPORT	50.0	53.3	97.7	76.3	58.3	79.3	69.2
ECLIPSE	53.3	65.0	97.7	78.1	53.3	67.3	69.1
KENBLUE	66.7	56.7	94.7	70.0	36.7	87.5	68.7
JOY	60.0	80.0	71.7	75.1	35.0	90.0	68.6
HARMONY	70.0	58.3	97.7	76.8	48.3	60.3	68.6
ABLE I	70.0	38.3	99.0	68.6	53.3	81.0	68.4
COMPACT	46.7	71.7	86.7	70.9	53.3	81.0	68.4
HAGA	50.0	60.0	99.0	78.0	50.0	72.3	68.2
239 (SUFFOLK)	60.0	56.7	97.7	78.2	56.7	58.7	68.0
GLADE	60.0	53.3	99.0	65.6	45.0	84.3	67.9
RUGBY	60.0	50.0	99.0	76.1	48.3	73.0	67.7
BARON	63.3	71.7	91.3	73.2	48.3	58.3	67.7
WABASH	63.3	56.7	99.0	75.4	50.0	61.7	67.7
CHALLENGER	60.0	45.0	97.7	76.0	55.0	71.7	67.6
AMAZON	63.3	51.7	91.3	71.8	43.3	83.3	67.5
MONOPOLY	63.3	48.3	96.0	79.2	40.0	77.7	67.4
BRISTOL	56.7	25.0	96.3	79.4	55.0	89.5	67.0
TRENTON	56.7	56.7	99.0	84.8	48.3	51.7	66.2
WELCOME	53.3	75.0	97.7	72.3	43.3	55.0	66.1
LIBERTY	66.7	43.3	97.7	79.9	46.7	61.7	66.0

TABLE 14. PERCENT LIVING GROUND COVER (SUMMER)  
 RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS							
NAME	CA2	ID2	IN1	MO1	VA2	WA4	MEAN
BAR VB 577 (BARLYMPIA)	73.3	48.3	95.0	75.1	35.0	68.5	65.9
BA 73-540	56.7	45.0	99.0	71.9	60.0	61.7	65.7
P-104 (PRINCETON 104)	36.7	40.0	99.0	73.9	51.7	92.5	65.6
NE 80-88	63.3	55.0	96.3	74.0	35.0	.	64.7
BARZAN	43.3	68.3	97.7	66.3	48.3	64.0	64.7
CONNI	50.0	26.7	97.7	64.6	51.7	94.7	64.2
NASSAU	56.7	46.7	99.0	65.2	48.3	68.3	64.0
AQUILA	56.7	36.7	99.0	75.6	48.3	65.0	63.5
HV 97 (COCKTAIL)	30.0	41.7	99.0	68.1	51.7	89.5	63.3
PST-CB1	36.7	50.0	99.0	79.2	53.3	61.7	63.3
MERION	60.0	57.3	97.7	67.8	53.3	40.0	62.7
LOFTS 1757	40.0	40.0	99.0	80.2	48.3	66.7	62.4
ASPEN	66.7	46.7	99.0	66.7	46.7	46.7	62.1
IKONE	70.0	25.0	92.7	77.2	45.0	60.0	61.6
WW AG 491	50.0	35.7	99.0	74.4	48.3	61.5	61.5
DAWN	56.7	37.3	94.7	77.7	53.3	46.7	61.1
ANNIKA	46.7	43.3	78.0	74.2	30.0	94.0	61.0
MIDNIGHT	53.3	60.0	97.7	76.6	50.0	26.7	60.7
DESTINY	56.7	32.3	97.7	68.4	48.3	57.5	60.2
BA 72-441 (ABBEY)	53.3	48.3	95.0	66.9	51.7	45.0	60.0
BA 70-242 (MARQUIS)	40.0	30.0	96.3	68.2	41.7	82.3	59.8
MERIT	63.3	43.3	97.7	75.8	50.0	28.3	59.7
BA 69-82	33.3	7.3	97.7	75.6	53.3	81.7	58.1
HUNTSVILLE	53.3	53.3	97.7	76.4	33.3	30.0	57.4
S.D. CERTIFIED	66.7	30.0	81.7	75.4	31.7	46.7	55.4
WW AG 496	46.7	20.0	99.0	74.8	50.0	41.7	55.4
GNOME	46.7	31.7	93.0	75.0	43.3	39.3	54.8
LSD VALUE	34.4	34.0	10.1	19.5	13.5	43.3	11.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 15.

PERCENT LIVING GROUND COVER (FALL)  
RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/							
NAME	MB1	MO1	VA1	VA2	VA3	WA4	MEAN
BA 70-139 (COVENTRY)	56.7	80.5	71.7	71.7	63.3	91.0	72.5
F-1872 (FREEDOM)	60.0	80.7	65.8	68.3	71.7	86.3	72.1
CYNTHIA	.	78.7	51.7	71.7	66.7	90.7	71.9
BLACKSBURG	76.7	76.0	63.3	75.0	58.3	81.0	71.7
BA 72-500 (CHATEAU)	56.7	88.2	60.0	75.0	58.3	89.7	71.3
BRISTOL	73.3	80.5	59.2	70.0	60.0	84.3	71.2
CLASSIC	66.7	78.5	57.5	70.0	71.7	79.7	70.7
MONOPOLY	53.3	79.2	56.7	63.3	78.3	91.3	70.4
RAM-1	63.3	76.3	55.0	68.3	70.0	88.7	70.3
CHERI	56.7	81.2	56.7	68.3	63.3	95.3	70.3
SOMERSET	50.0	80.7	55.8	65.0	76.7	93.0	70.2
COMPACT	70.0	71.2	51.7	75.0	55.0	97.7	70.1
GEORGETOWN	63.3	78.0	54.2	66.7	70.0	88.3	70.1
GLADE	76.7	78.7	62.5	71.7	43.3	83.3	69.4
BA 69-82	73.3	83.2	63.3	68.3	41.7	82.3	68.7
TRENTON	63.3	85.3	69.2	68.3	61.7	63.3	68.5
ASSET	60.0	75.3	64.2	71.7	66.7	71.7	68.3
AMERICA	50.0	80.2	62.5	70.0	61.7	85.0	68.2
PST-CB1	63.3	77.0	62.5	71.7	55.0	78.3	68.0
MYSTIC	60.0	68.7	35.8	73.3	71.7	96.0	67.6
A-34	50.0	81.0	57.5	70.0	58.3	88.3	67.5
NE 80-88	66.7	73.2	57.5	70.0	70.0	.	67.5
WABASH	66.7	79.8	55.8	75.0	66.7	60.0	67.3
ASPEN	66.7	83.7	59.2	66.7	65.0	61.7	67.1
LOFTS 1757	56.7	79.7	63.3	70.0	68.3	64.7	67.1
RUGBY	63.3	81.0	63.3	70.0	60.0	65.0	67.1
BA 73-626 (KELLY)	53.3	77.3	59.2	63.3	60.0	86.3	66.6
HV 97 (COCKTAIL)	73.3	67.3	45.8	70.0	51.7	90.7	66.5
CHALLENGER	76.7	77.2	54.2	68.3	53.3	68.3	66.3
K3-178	56.7	75.8	60.8	66.7	65.0	73.0	66.3
NASSAU	63.3	70.0	58.3	68.3	68.3	69.7	66.3
MIDNIGHT	76.7	75.0	69.2	75.0	55.0	46.7	66.3
P-104 (PRINCETON 104)	63.3	70.3	59.2	68.3	61.7	74.7	66.3
LIBERTY	73.3	80.2	60.0	65.0	56.7	61.7	66.1
WW AG 491	66.7	80.3	50.0	66.7	68.3	64.7	66.1
HAGA	73.3	75.2	60.0	68.3	55.0	64.7	66.1
BAR VB 577 (BARLYMPIA)	63.3	74.2	44.2	58.3	63.3	93.0	66.1
SYDSPORT	70.0	78.7	65.8	65.0	55.0	61.7	66.0
JOY	46.7	80.3	46.7	56.7	70.0	95.7	66.0
DAWN	73.3	78.8	55.8	66.7	50.0	70.0	65.8
BA 72-441 (ABBAY)	60.0	79.3	65.0	66.7	66.7	56.7	65.7
CONNI	73.3	61.5	47.5	63.3	55.0	93.0	65.6
VICTA	53.3	74.2	66.7	66.7	60.0	72.7	65.6
BA 73-540	66.7	85.3	56.7	73.3	50.0	60.0	65.3
BAR VB 534	66.7	74.5	47.5	66.7	63.3	73.0	65.3

TABLE 15.  
(continued)

PERCENT LIVING GROUND COVER (FALL)  
RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS							
NAME	MB1	MO1	VA1	VA2	VA3	WA4	MEAN
PARADE	56.7	80.8	48.3	66.7	68.3	70.0	65.1
DESTINY	66.7	70.7	60.8	60.0	48.3	81.7	64.7
K1-152	63.3	73.7	65.0	65.0	58.3	61.3	64.4
WW AG 496	70.0	71.3	55.8	65.0	68.3	54.3	64.1
MERIT	53.3	77.5	56.7	68.3	65.0	63.3	64.0
ECLIPSE	70.0	72.2	65.0	70.0	45.0	61.0	63.9
239 (SUFFOLK)	66.7	76.3	67.5	68.3	60.0	43.3	63.7
AMAZON	63.3	73.0	50.0	60.0	61.7	71.7	63.3
ABLE I	70.0	71.2	47.5	65.0	56.7	65.0	62.6
BA 72-492 (ESTATE)	66.7	79.0	59.2	68.3	46.7	53.3	62.2
AQUILA	53.3	73.8	51.7	63.3	60.0	70.0	62.0
BA 70-242 (MARQUIS)	63.3	68.0	64.2	63.3	33.3	79.3	61.9
S.D. CERTIFIED	36.7	74.0	39.2	60.0	76.7	83.3	61.6
BARON	53.3	77.5	57.5	66.7	61.7	52.7	61.6
BARZAN	70.0	74.5	45.0	61.7	40.0	78.0	61.5
TENDOS	56.7	71.5	62.5	60.0	65.0	51.7	61.2
KENBLUE	36.7	66.5	37.5	63.3	68.3	94.3	61.1
WELCOME	50.0	62.7	50.0	76.7	66.7	60.0	61.0
JULIA	46.7	79.7	61.7	68.3	48.3	60.0	60.8
IKONE	50.0	73.7	61.7	61.7	61.7	55.0	60.6
ANNIKA	50.0	67.2	48.3	55.0	56.7	84.3	60.3
WW AG 495	66.7	64.5	47.5	60.0	63.3	56.3	59.7
GNOME	60.0	70.8	56.7	58.3	65.0	44.7	59.3
WW AG 468	50.0	64.5	30.8	61.7	55.0	88.3	58.4
HARMONY	40.0	70.3	49.2	70.0	58.3	59.0	57.8
HUNTSVILLE	53.3	73.0	58.3	63.3	55.0	30.0	55.5
MERION	43.3	67.5	35.0	63.3	56.7	30.0	49.3
LSD VALUE	12.4	26.0	13.7	8.2	14.7	45.6	9.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 16. WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	BC1	ID2	KS2	MO1	OR1	RI1	WA3	MEAN
NASSAU	5.0	5.2	5.7	5.7	7.3	2.7	7.3	5.6
TRENTON	4.3	5.2	5.0	7.0	6.3	3.7	6.2	5.4
F-1872 (FREEDOM)	.	4.4	5.0	6.3	6.7	3.7	6.2	5.4
K3-178	4.7	4.1	5.0	7.3	5.7	3.7	6.5	5.3
P-104 (PRINCETON 104)	4.7	4.8	4.7	4.7	7.0	3.0	8.2	5.3
CLASSIC	4.0	5.4	5.0	6.3	6.0	3.3	6.7	5.3
BRISTOL	5.0	4.9	5.7	3.3	7.0	3.0	7.5	5.2
DESTINY	.	5.2	5.0	4.7	6.7	3.0	6.5	5.2
PST-CB1	.	4.1	5.0	5.7	6.7	3.3	6.2	5.2
LOFTS 1757	5.0	5.1	5.0	4.7	7.3	2.3	6.3	5.1
BLACKSBURG	5.0	3.9	4.3	7.0	5.7	2.7	7.0	5.1
PARADE	4.0	4.6	5.3	7.0	5.3	3.0	6.2	5.1
K1-152	4.3	4.2	5.0	6.3	5.7	3.3	6.3	5.0
TENDOS	4.7	4.9	4.7	3.3	7.7	1.7	8.2	5.0
JULIA	5.0	3.4	5.0	6.0	6.0	2.3	7.0	5.0
CHALLENGER	4.0	4.3	5.0	5.7	6.0	3.0	6.5	4.9
239 (SUFFOLK)	4.0	4.2	4.7	6.0	6.3	2.7	6.5	4.9
IKONE	5.0	4.1	5.0	5.7	6.0	2.3	6.2	4.9
LIBERTY	.	5.0	5.0	3.7	6.0	3.0	6.7	4.9
RUGBY	4.3	4.3	4.7	6.0	5.0	3.7	6.2	4.9
HAGA	4.0	3.8	5.0	6.0	5.3	3.0	6.8	4.8
GEORGETOWN	4.0	4.0	5.3	6.3	5.3	3.0	5.8	4.8
ASPEN	4.0	4.1	4.7	5.3	5.7	2.0	7.2	4.7
A-34	4.3	4.1	4.7	5.0	5.7	3.0	6.0	4.7
ABLE I	4.0	4.3	5.7	5.3	4.3	2.0	7.0	4.7
BA 69-82	5.0	4.4	5.0	5.7	5.0	3.0	4.5	4.7
CYNTHIA	5.0	3.3	4.0	6.3	6.3	1.0	6.5	4.6
SOMERSET	3.7	4.3	5.0	4.7	6.0	2.7	6.2	4.6
WW AG 496	4.7	4.7	4.7	7.0	5.0	1.7	4.8	4.6
BAR VB 534	5.0	3.6	3.3	4.3	6.7	2.3	7.0	4.6
WW AG 491	4.3	3.7	4.3	5.7	5.7	2.7	5.3	4.5
DAWN	.	4.8	3.3	4.0	6.3	3.0	5.7	4.5
BA 72-500 (CHATEAU)	5.0	4.1	5.0	6.0	4.7	3.0	3.8	4.5
ASSET	4.3	3.9	3.7	4.7	6.0	2.3	6.7	4.5
AMERICA	4.0	3.6	4.7	6.3	4.0	2.3	6.2	4.4
MONOPOLY	4.7	3.4	3.7	5.0	5.3	2.3	6.3	4.4
BAR VB 577 (BARLYMPIA)	3.7	4.4	4.7	4.0	5.7	2.0	5.8	4.3
HARMONY	5.0	4.2	5.0	4.0	4.7	3.0	4.3	4.3
GLADE	4.3	5.4	3.3	5.0	4.3	1.7	6.0	4.3
BA 72-492 (ESTATE)	5.0	3.6	4.3	6.0	4.7	3.0	3.3	4.3
BA 73-540	5.0	3.7	5.0	5.7	3.7	3.0	3.8	4.3
ECLIPSE	4.3	4.1	4.0	4.0	4.7	2.3	6.3	4.3
MIDNIGHT	4.7	4.1	4.3	3.0	5.0	2.7	6.0	4.3
BA 70-139 (COVENTRY)	5.0	3.2	5.0	6.3	4.3	2.0	3.8	4.2
MERION	4.0	3.4	3.0	5.3	5.3	1.7	6.8	4.2

TABLE 16. WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION

NAME	BC1	ID2	KS2	MO1	OR1	RI1	WA3	MEAN
VICTA	5.0	4.3	3.7	5.0	4.7	1.3	5.5	4.2
SYDSPORT	5.0	3.7	4.3	5.3	4.3	2.7	4.0	4.2
CONNI	.	4.8	4.3	2.7	6.0	1.7	5.3	4.1
HV 97 (COCKTAIL)	5.3	3.4	5.3	3.3	4.7	2.7	4.0	4.1
HUNTSVILLE	.	3.6	4.0	4.3	4.3	3.0	5.3	4.1
WELCOME	5.0	3.3	4.3	4.7	4.7	2.3	4.2	4.1
ANNIKA	.	2.9	4.3	4.7	4.7	1.7	6.0	4.0
WABASH	3.3	3.6	4.7	6.0	3.7	3.0	4.0	4.0
WW AG 495	4.0	3.6	3.7	6.0	5.0	1.0	5.0	4.0
BA 72-441 (ABBEY)	4.7	3.8	3.0	5.0	4.7	2.3	4.5	4.0
BA 73-626 (KELLY)	4.7	3.4	3.7	4.3	4.3	2.3	5.0	4.0
RAM-1	4.7	4.3	5.0	4.7	3.3	1.0	4.5	3.9
CHERI	5.0	3.1	4.3	4.7	3.7	2.3	4.2	3.9
BARON	4.7	4.4	3.3	4.7	4.0	1.7	4.3	3.9
MERIT	5.0	4.2	3.3	4.3	3.7	2.0	4.5	3.9
BARZAN	5.0	4.7	4.7	3.0	3.7	1.7	4.3	3.9
MYSTIC	2.7	3.8	4.0	5.3	4.0	3.0	3.8	3.8
NE 80-88	.	3.1	3.7	5.7	4.0	2.0	4.2	3.8
AMAZON	4.0	3.6	4.0	6.7	2.0	1.3	4.7	3.7
AQUILA	4.0	4.0	3.0	3.3	4.7	1.7	5.3	3.7
GNOME	4.3	3.7	2.7	5.0	3.7	1.3	5.0	3.7
BA 70-242 (MARQUIS)	4.3	4.4	3.3	3.0	4.3	2.0	4.2	3.7
COMPACT	.	2.9	3.7	4.0	5.0	2.0	3.5	3.5
JOY	3.0	3.8	3.7	5.3	2.7	2.0	4.0	3.5
WW AG 468	3.7	3.1	2.0	6.3	2.3	1.7	5.3	3.5
S.D. CERTIFIED	2.0	3.9	3.0	5.7	3.0	2.0	4.3	3.4
KENBLUE	3.0	4.0	3.0	4.0	3.3	2.0	4.2	3.4
LSD VALUE	0.6	2.1	1.0	1.5	1.4	1.1	1.9	0.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 17. DROUGHT TOLERANCE (WILTING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

DROUGHT TOLERANCE RATINGS 1-9; 9=NO WILTING 2/

NAME	OH1	MEAN
239 (SUFFOLK)	9.0	9.0
A-34	9.0	9.0
ABLE I	9.0	9.0
AMAZON	9.0	9.0
AMERICA	9.0	9.0
AQUILA	9.0	9.0
ASPEN	9.0	9.0
ASSET	9.0	9.0
BA 69-82	9.0	9.0
BA 70-139 (COVENTRY)	9.0	9.0
BA 70-242 (MARQUIS)	9.0	9.0
BA 72-441 (ABBEY)	9.0	9.0
BA 72-492 (ESTATE)	9.0	9.0
BA 72-500 (CHATEAU)	9.0	9.0
BA 73-540	9.0	9.0
BA 73-626 (KELLY)	9.0	9.0
BAR VB 577 (BARLYMPIA)	9.0	9.0
BARZAN	9.0	9.0
BLACKSBURG	9.0	9.0
BRISTOL	9.0	9.0
CHALLENGER	9.0	9.0
CHERI	9.0	9.0
CLASSIC	9.0	9.0
CONNI	9.0	9.0
DAWN	9.0	9.0
DESTINY	9.0	9.0
ECLIPSE	9.0	9.0
F-1872 (FREEDOM)	9.0	9.0
GEORGETOWN	9.0	9.0
GLADE	9.0	9.0
HUNTSVILLE	9.0	9.0
HV 97 (COCKTAIL)	9.0	9.0
JOY	9.0	9.0
K1-152	9.0	9.0
K3-178	9.0	9.0
LIBERTY	9.0	9.0
LOFTS 1757	9.0	9.0
MERION	9.0	9.0
MERIT	9.0	9.0
MIDNIGHT	9.0	9.0
MYSTIC	9.0	9.0
NASSAU	9.0	9.0
NE 80-88	9.0	9.0
P-104 (PRINCETON 104)	9.0	9.0
PARADE	9.0	9.0

DROUGHT TOLERANCE (WILTING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DROUGHT TOLERANCE RATINGS 1-9; 9=NO WILTING

NAME	OH1	MEAN
PST-CB1	9.0	9.0
RUGBY	9.0	9.0
TRENTON	9.0	9.0
VICTA	9.0	9.0
WW AG 468	9.0	9.0
WW AG 496	9.0	9.0
BARON	8.7	8.7
COMPACT	8.7	8.7
CYNTHIA	8.7	8.7
HAGA	8.7	8.7
JULIA	8.7	8.7
KENBLUE	8.7	8.7
TENDOS	8.7	8.7
WABASH	8.7	8.7
BAR VB 534	8.3	8.3
WW AG 495	8.3	8.3
GNOME	8.0	8.0
SYDSPORT	8.0	8.0
WELCOME	8.0	8.0
MONOPOLY	7.7	7.7
ANNIKA	7.3	7.3
WW AG 491	7.3	7.3
RAM-1	7.0	7.0
S.D. CERTIFIED	7.0	7.0
SOMERSET	6.0	6.0
IKONE	5.7	5.7
HARMONY	5.5	5.5
LSD VALUE	1.4	1.4

1/ DROUGHT TOLERANCE RATED AT "OH1" IN 1986 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 18. DROUGHT TOLERANCE (DORMANCY) RATINGS  
OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

DROUGHT TOLERANCE RATINGS 1-9; 9=NO DORMANCY 2/

NAME	ID2	MEAN
RAM-1	8.7	8.7
BLACKSBURG	8.3	8.3
CHALLENGER	8.3	8.3
AMERICA	8.0	8.0
COMPACT	8.0	8.0
CONNI	8.0	8.0
DESTINY	8.0	8.0
GNOME	8.0	8.0
HV 97 (COCKTAIL)	8.0	8.0
MERIT	8.0	8.0
NASSAU	8.0	8.0
P-104 (PRINCETON 104)	8.0	8.0
ABLE I	7.7	7.7
BA 70-242 (MARQUIS)	7.7	7.7
BA 72-441 (ABBEY)	7.7	7.7
BA 73-540	7.7	7.7
BA 73-626 (KELLY)	7.7	7.7
DAWN	7.7	7.7
HARMONY	7.7	7.7
JOY	7.7	7.7
LIBERTY	7.7	7.7
MYSTIC	7.7	7.7
VICTA	7.7	7.7
AQUILA	7.3	7.3
ASPEN	7.3	7.3
BA 70-139 (COVENTRY)	7.3	7.3
CHERI	7.3	7.3
CLASSIC	7.3	7.3
ECLIPSE	7.3	7.3
IKONE	7.3	7.3
JULIA	7.3	7.3
LOFTS 1757	7.3	7.3
MERION	7.3	7.3
PST-CB1	7.3	7.3
SOMERSET	7.3	7.3
WELCOME	7.3	7.3
WW AG 491	7.3	7.3
WW AG 495	7.3	7.3
WW AG 468	7.3	7.3
AMAZON	7.0	7.0
ANNIKA	7.0	7.0
ASSET	7.0	7.0
BA 72-492 (ESTATE)	7.0	7.0
BA 72-500 (CHATEAU)	7.0	7.0
BARON	7.0	7.0

DROUGHT TOLERANCE (DORMANCY) RATINGS  
OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DROUGHT TOLERANCE RATINGS 1-9; 9=NO DORMANCY

NAME	ID2	MEAN
NE 80-88	7.0	7.0
RUGBY	7.0	7.0
S.D. CERTIFIED	7.0	7.0
SYDSPORT	7.0	7.0
BRISTOL	6.7	6.7
GEORGETOWN	6.7	6.7
GLADE	6.7	6.7
HAGA	6.7	6.7
MONOPOLY	6.7	6.7
WABASH	6.7	6.7
WW AG 496	6.7	6.7
239 (SUFFOLK)	6.3	6.3
BAR VB 577 (BARLYMPIA)	6.3	6.3
CYNTHIA	6.3	6.3
HUNTSVILLE	6.3	6.3
K3-178	6.3	6.3
KENBLUE	6.3	6.3
TENDOS	6.3	6.3
TRENTON	6.3	6.3
A-34	6.0	6.0
BA 69-82	6.0	6.0
BARZAN	6.0	6.0
MIDNIGHT	6.0	6.0
BAR VB 534	5.7	5.7
PARADE	5.7	5.7
F-1872 (FREEDOM)	5.3	5.3
K1-152	5.3	5.3
LSD VALUE	1.7	1.7

1/ DROUGHT TOLERANCE RATED AT "ID2" IN 1988 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 19. SNOW MOLD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	MI1	MEAN
BRISTOL	7.3	7.3
MERIT	7.3	7.3
BA 72-441 (ABBEY)	7.0	7.0
ASPEN	6.7	6.7
BA 73-540	6.7	6.7
BARZAN	6.7	6.7
GEORGETOWN	6.7	6.7
NASSAU	6.7	6.7
RUGBY	6.7	6.7
TRENTON	6.7	6.7
WW AG 468	6.7	6.7
CHALLENGER	6.3	6.3
DAWN	6.3	6.3
DESTINY	6.3	6.3
F-1872 (FREEDOM)	6.3	6.3
LOFTS 1757	6.3	6.3
P-104 (PRINCETON 104)	6.3	6.3
PARADE	6.3	6.3
AQUILA	6.0	6.0
BA 73-626 (KELLY)	6.0	6.0
HAGA	6.0	6.0
JOY	6.0	6.0
JULIA	6.0	6.0
CLASSIC	5.7	5.7
GLADE	5.7	5.7
HUNTSVILLE	5.7	5.7
K3-178	5.7	5.7
LIBERTY	5.7	5.7
PST-CB1	5.7	5.7
239 (SUFFOLK)	5.3	5.3
A-34	5.3	5.3
HARMONY	5.3	5.3
MYSTIC	5.3	5.3
NE 80-88	5.3	5.3
RAM-1	5.3	5.3
WW AG 495	5.3	5.3
BA 70-242 (MARQUIS)	5.0	5.0
BA 72-492 (ESTATE)	5.0	5.0
BARON	5.0	5.0
KENBLUE	5.0	5.0
MONOPOLY	5.0	5.0
S.D. CERTIFIED	5.0	5.0
SOMERSET	5.0	5.0
ABLE I	4.7	4.7
ASSET	4.7	4.7

SNOW MOLD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE

NAME	MI1	MEAN
BA 70-139 (COVENTRY)	4.7	4.7
CYNTHIA	4.7	4.7
ECLIPSE	4.7	4.7
GNOME	4.7	4.7
HV 97 (COCKTAIL)	4.7	4.7
IKONE	4.7	4.7
VICTA	4.7	4.7
ANNIKA	4.3	4.3
BA 72-500 (CHATEAU)	4.3	4.3
BAR VB 534	4.3	4.3
CHERI	4.3	4.3
K1-152	4.3	4.3
SYDSPORT	4.3	4.3
TENDOS	4.3	4.3
WW AG 491	4.3	4.3
BA 69-82	4.0	4.0
MERION	4.0	4.0
WELCOME	4.0	4.0
WW AG 496	4.0	4.0
AMERICA	3.7	3.7
BAR VB 577 (BARLYMPIA)	3.7	3.7
COMPACT	3.7	3.7
MIDNIGHT	3.7	3.7
WABASH	3.3	3.3
CONNI	3.0	3.0
BLACKSBURG	2.7	2.7
AMAZON	1.7	1.7
LSD VALUE	2.5	2.5

1/ SNOW MOLD RATED AT "MI1" IN 1989 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 20. FUSARIUM PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID2	OR1	MEAN
BLACKSBURG	6.7	8.3	7.5
BA 72-492 (ESTATE)	8.0	6.7	7.3
GLADE	7.7	7.0	7.3
GNOME	8.0	6.7	7.3
KENBLUE	8.0	6.7	7.3
BA 72-441 (ABBAY)	8.3	6.0	7.2
SYDSPORT	7.7	6.7	7.2
BA 70-242 (MARQUIS)	7.3	7.0	7.2
JULIA	7.0	7.3	7.2
VICTA	8.0	6.3	7.2
ABLE I	6.7	7.3	7.0
ASPEN	7.7	6.3	7.0
BAR VB 534	7.7	6.3	7.0
HUNTSVILLE	7.7	6.3	7.0
JOY	7.0	7.0	7.0
MERIT	8.0	6.0	7.0
NE 80-88	8.0	6.0	7.0
P-104 (PRINCETON 104)	7.0	7.0	7.0
WW AG 495	7.3	6.7	7.0
CYNTHIA	7.7	6.0	6.8
DESTINY	6.7	7.0	6.8
ECLIPSE	6.7	7.0	6.8
HV 97 (COCKTAIL)	6.7	7.0	6.8
MERION	6.0	7.7	6.8
RAM-1	6.7	7.0	6.8
WW AG 491	7.7	6.0	6.8
BA 73-626 (KELLY)	7.3	6.3	6.8
AMERICA	6.3	7.0	6.7
ANNIKA	7.0	6.3	6.7
BARON	8.0	5.3	6.7
BARZAN	7.3	6.0	6.7
LIBERTY	7.3	6.0	6.7
S.D. CERTIFIED	7.3	6.0	6.7
WELCOME	7.3	6.0	6.7
WW AG 468	7.3	6.0	6.7
CHALLENGER	6.3	6.7	6.5
DAWN	6.3	6.7	6.5
LOFTS 1757	5.7	7.3	6.5
MONOPOLY	8.0	5.0	6.5
MYSTIC	6.3	6.7	6.5
K1-152	6.7	6.0	6.3
BA 70-139 (COVENTRY)	6.0	6.3	6.2
BAR VB 577 (BARLYMPIA)	6.0	6.3	6.2
HARMONY	7.3	5.0	6.2
TRENTON	7.0	5.3	6.2

FUSARIUM PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID2	OR1	MEAN
ASSET	6.3	5.7	6.0
BA 69-82	5.0	7.0	6.0
BRISTOL	6.0	6.0	6.0
COMPACT	7.3	4.7	6.0
MIDNIGHT	4.7	7.3	6.0
NASSAU	6.0	6.0	6.0
AQUILA	5.7	6.0	5.8
BA 73-540	6.0	5.7	5.8
WABASH	7.0	4.7	5.8
WW AG 496	5.7	6.0	5.8
CHERI	5.7	5.7	5.7
GEORGETOWN	5.7	5.7	5.7
PST-CB1	4.7	6.7	5.7
A-34	6.3	5.0	5.7
IKONE	6.3	5.0	5.7
RUGBY	6.0	5.3	5.7
CONNI	5.0	6.0	5.5
SOMERSET	6.7	4.3	5.5
TENDOS	4.0	7.0	5.5
239 (SUFFOLK)	6.0	4.7	5.3
BA 72-500 (CHATEAU)	5.3	5.0	5.2
HAGA	5.0	5.3	5.2
AMAZON	5.0	5.0	5.0
CLASSIC	5.3	4.7	5.0
K3-178	4.3	5.0	4.7
F-1872 (FREEDOM)	5.3	3.7	4.5
PARADE	4.0	5.0	4.5
LSD VALUE	2.7	1.0	1.4

1/ FUSARIUM PATCH RATED AT "OR1" IN 1986 AND AT "ID2" IN 1989.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 21. MELTING OUT IN SPRING RATINGS  
OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

MELTING OUT RATINGS 1-9; 9=NO DISEASE 2/

NAME	BC1	ID2	VA1	VA2	MEAN
P-104 (PRINCETON 104)	7.0	8.7	5.3	5.0	6.5
JULIA	7.0	6.7	6.0	6.0	6.4
IKONE	6.7	8.3	5.3	5.3	6.4
239 (SUFFOLK)	6.3	6.3	6.3	6.3	6.3
CLASSIC	6.3	6.3	6.3	6.0	6.3
BA 73-540	7.3	7.3	5.0	5.3	6.3
F-1872 (FREEDOM)	.	6.7	6.0	6.0	6.2
LIBERTY	.	7.7	5.7	5.3	6.2
VICTA	6.7	7.7	5.3	5.0	6.2
BRISTOL	6.0	7.0	5.7	5.7	6.1
ECLIPSE	6.7	7.7	5.3	4.7	6.1
HAGA	5.7	6.3	6.3	6.0	6.1
RUGBY	6.0	6.7	5.7	5.7	6.0
AMERICA	6.3	7.3	5.7	4.7	6.0
K3-178	6.0	5.7	6.0	6.3	6.0
MERION	7.0	7.0	5.3	4.7	6.0
SYDSPORT	6.0	7.0	5.3	5.7	6.0
BA 69-82	6.7	7.0	5.0	5.0	5.9
BA 72-492 (ESTATE)	6.7	6.3	5.7	5.0	5.9
GEORGETOWN	6.0	6.0	6.0	5.7	5.9
PARADE	6.7	5.7	5.7	5.7	5.9
TRENTON	5.7	6.0	6.0	6.0	5.9
GLADE	6.0	8.7	5.0	4.0	5.9
SOMERSET	6.3	7.3	4.7	5.3	5.9
WW AG 491	6.3	7.0	5.3	5.0	5.9
PST-CB1	.	6.7	5.7	5.3	5.9
DESTINY	.	7.3	5.3	5.0	5.9
TENDOS	6.7	7.0	5.0	4.7	5.8
BLACKSBURG	6.3	7.0	5.3	4.7	5.8
BA 70-242 (MARQUIS)	6.7	6.7	5.0	4.7	5.8
K1-152	6.0	5.7	5.7	5.7	5.8
LOFTS 1757	6.7	6.7	5.0	4.7	5.8
ASSET	6.3	7.3	4.7	4.7	5.8
HV 97 (COCKTAIL)	6.3	7.0	5.0	4.7	5.8
NASSAU	6.3	6.7	5.0	5.0	5.8
WW AG 468	7.0	6.8	4.0	5.0	5.7
A-34	6.3	6.7	5.0	4.7	5.7
CHALLENGER	6.7	6.3	5.0	4.7	5.7
MYSTIC	6.0	6.7	4.7	5.3	5.7
AMAZON	6.3	8.0	4.3	4.0	5.7
CHERI	6.3	7.0	5.0	4.3	5.7
HARMONY	6.3	7.0	5.0	4.3	5.7
BA 72-500 (CHATEAU)	5.7	5.7	5.3	5.7	5.6
WW AG 495	6.0	8.0	4.7	3.7	5.6
ASPEN	6.3	6.0	5.7	4.3	5.6

MELTING OUT IN SPRING RATINGS  
 OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

MELTING OUT RATINGS 1-9; 9=NO DISEASE

NAME	BC1	ID2	VA1	VA2	MEAN
GNOME	6.0	7.3	5.3	3.7	5.6
MIDNIGHT	7.0	7.3	4.7	3.3	5.6
ABLE I	6.0	7.0	4.3	4.7	5.5
MONOPOLY	7.0	6.0	5.0	4.0	5.5
BARON	6.0	7.0	4.7	4.0	5.4
RAM-1	6.0	6.7	5.0	4.0	5.4
BAR VB 577 (BARLYMPIA)	6.3	6.0	5.0	4.3	5.4
AQUILA	6.7	7.0	4.3	3.3	5.3
BAR VB 534	6.7	6.3	4.3	4.0	5.3
COMPACT	.	6.3	4.7	5.0	5.3
DAWN	.	6.7	5.0	4.3	5.3
WW AG 496	6.0	6.7	4.3	4.3	5.3
BA 70-139 (COVENTRY)	5.7	6.7	4.3	4.3	5.3
CYNTHIA	6.3	6.3	4.7	3.7	5.3
MERIT	5.7	7.0	4.3	4.0	5.3
ANNIKA	.	7.0	5.0	3.7	5.2
CONNI	.	7.0	4.7	4.0	5.2
BA 73-626 (KELLY)	5.7	7.3	4.3	3.3	5.2
WELCOME	6.0	7.0	4.3	3.3	5.2
BARZAN	6.3	6.0	4.3	3.7	5.1
BA 72-441 (ABBAY)	6.0	6.7	4.0	3.3	5.0
JOY	5.7	4.3	5.0	3.7	4.7
WABASH	5.3	4.0	4.7	4.7	4.7
NE 80-88	.	4.0	4.0	5.0	4.3
HUNTSVILLE	.	3.3	5.0	4.3	4.2
KENBLUE	5.0	3.7	4.0	3.3	4.0
S.D. CERTIFIED	5.0	3.0	4.3	3.3	3.9
LSD VALUE	1.0	1.7	0.9	1.2	0.6

1/ MELTING OUT IN SPRING RATED AT "VA1" AND "VA2" IN 1986 AND  
 IN "BC1" AND "ID2" IN 1989.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
 SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
 THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 22. MELTING OUT IN FALL RATINGS  
OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

MELTING OUT RATINGS 1-9; 9=NO DISEASE 2/

NAME	BC1	WA3	MEAN
DAWN	.	9.0	9.0
F-1872 (FREEDOM)	.	9.0	9.0
LIBERTY	.	8.7	8.7
PST-CB1	.	8.7	8.7
DESTINY	.	8.3	8.3
ASSET	7.0	9.0	8.0
COMPACT	.	8.0	8.0
CONNI	.	8.0	8.0
MERION	7.0	9.0	8.0
NASSAU	7.0	9.0	8.0
P-104 (PRINCETON 104)	7.0	9.0	8.0
BA 69-82	6.7	9.0	7.8
BA 70-139 (COVENTRY)	6.7	9.0	7.8
BA 72-492 (ESTATE)	6.7	9.0	7.8
BA 72-500 (CHATEAU)	6.7	9.0	7.8
BAR VB 577 (BARLYMPIA)	6.7	9.0	7.8
BLACKSBURG	6.7	9.0	7.8
K3-178	6.7	9.0	7.8
RUGBY	6.7	9.0	7.8
SYDSPORT	6.7	9.0	7.8
AMERICA	7.0	8.7	7.8
ABLE I	6.3	9.0	7.7
BRISTOL	6.3	9.0	7.7
CHERI	6.7	8.7	7.7
CLASSIC	6.7	8.7	7.7
HAGA	6.3	9.0	7.7
JULIA	6.3	9.0	7.7
LOFTS 1757	6.7	8.7	7.7
TENDOS	6.7	8.7	7.7
TRENTON	6.3	9.0	7.7
239 (SUFFOLK)	6.0	9.0	7.5
A-34	6.3	8.7	7.5
BA 73-540	6.3	8.7	7.5
CHALLENGER	6.0	9.0	7.5
GEORGETOWN	6.0	9.0	7.5
GNOME	6.3	8.7	7.5
IKONE	6.0	9.0	7.5
MIDNIGHT	6.0	9.0	7.5
PARADE	6.0	9.0	7.5
WW AG 496	6.0	9.0	7.5
BA 72-441 (ABBAY)	6.7	8.0	7.3
BA 73-626 (KELLY)	6.3	8.3	7.3
BARON	6.3	8.3	7.3
GLADE	6.7	8.0	7.3
MERIT	6.3	8.3	7.3

MELTING OUT IN FALL RATINGS  
 OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-1990 DATA

MELTING OUT RATINGS 1-9; 9=NO DISEASE

NAME	BC1	WA3	MEAN
MONOPOLY	6.7	8.0	7.3
VICTA	6.7	8.0	7.3
ASPEN	6.0	8.7	7.3
CYNTHIA	6.0	8.7	7.3
K1-152	6.0	8.3	7.2
WW AG 491	6.0	8.3	7.2
BAR VB 534	5.7	8.7	7.2
SOMERSET	5.3	9.0	7.2
ANNIKA	.	7.0	7.0
ECLIPSE	7.0	7.0	7.0
BA 70-242 (MARQUIS)	6.0	7.7	6.8
HV 97 (COCKTAIL)	6.7	7.0	6.8
AMAZON	6.3	7.0	6.7
AQUILA	5.7	7.3	6.5
RAM-1	7.0	5.3	6.2
HARMONY	6.0	6.0	6.0
WW AG 468	6.0	5.7	5.8
WW AG 495	5.7	6.0	5.8
WABASH	4.7	6.3	5.5
BARZAN	6.7	3.3	5.0
HUNTSVILLE	.	5.0	5.0
NE 80-88	.	4.7	4.7
WELCOME	7.0	1.3	4.2
JOY	6.0	1.0	3.5
KENBLUE	5.3	1.0	3.2
S.D. CERTIFIED	5.3	1.0	3.2
MYSTIC	4.7	1.0	2.8
LSD VALUE	1.0	1.6	1.0

1/ MELTING OUT IN FALL RATED AT "WA3" IN 1986  
 AND AT "BC1" IN 1988.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
 SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
 THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 23. LEAFSPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS

1986-1990 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	BC1	ID2	OH1	OR1	UB1	VA1	VA3	MEAN
P-104 (PRINCETON 104)	7.5	7.5	6.0	7.7	8.0	5.7	8.3	7.2
ECLIPSE	6.5	7.7	3.7	6.3	7.6	5.7	8.3	6.5
BA 69-82	6.0	6.7	5.7	6.3	6.0	6.0	8.0	6.4
BLACKSBURG	6.8	7.2	3.0	7.0	6.7	5.3	8.3	6.3
BRISTOL	5.5	7.7	3.7	7.0	6.1	5.7	8.3	6.3
MIDNIGHT	6.3	7.3	3.7	7.0	7.0	5.3	7.0	6.2
LOFTS 1757	6.5	7.5	4.7	7.0	6.6	5.7	5.7	6.2
DAWN	.	6.8	4.7	6.0	6.4	5.3	7.7	6.2
DESTINY	.	7.3	4.3	6.7	5.6	5.7	7.3	6.1
CHALLENGER	6.2	6.5	3.7	7.0	6.0	6.0	7.7	6.1
TENDOS	6.6	7.5	3.3	6.7	5.6	5.3	8.0	6.1
SYDSPORT	6.2	6.5	4.3	5.7	6.3	6.3	7.3	6.1
GLADE	6.0	7.7	3.3	6.0	6.3	5.3	8.0	6.1
A-34	6.5	7.0	5.3	5.7	6.0	5.3	6.3	6.0
CONNI	.	7.7	3.0	6.0	7.2	4.7	7.3	6.0
MERION	6.8	6.3	5.3	7.0	5.0	6.0	5.3	6.0
BA 72-500 (CHATEAU)	6.3	7.0	4.7	5.3	6.3	5.7	6.3	6.0
LIBERTY	.	7.2	3.7	6.7	6.1	5.7	6.3	5.9
BA 72-492 (ESTATE)	6.3	6.0	3.0	6.0	6.1	5.3	8.7	5.9
NASSAU	6.0	7.2	4.3	6.3	5.7	6.0	5.7	5.9
ABLE I	5.8	7.5	2.7	6.3	7.4	4.7	6.7	5.9
ASPEN	5.8	6.0	2.7	6.0	6.8	5.3	8.3	5.8
IKONE	6.2	7.0	4.7	6.0	5.1	6.0	6.0	5.8
PST-CB1	.	7.0	5.3	6.7	5.3	4.3	6.3	5.8
HAGA	5.8	6.0	4.3	6.0	5.6	5.7	7.3	5.8
ASSET	5.8	7.2	4.0	6.3	6.2	5.0	6.0	5.8
BAR VB 577 (BARLYMPIA)	5.8	7.2	3.3	6.3	5.8	6.0	6.0	5.8
TRENTON	5.7	7.3	3.7	6.0	5.7	5.0	7.0	5.8
WW AG 468	6.2	6.3	4.0	4.7	7.2	5.3	6.3	5.7
GEORGETOWN	5.3	7.2	3.0	6.3	5.6	5.7	7.0	5.7
JULIA	6.0	6.2	4.7	6.3	5.2	6.0	5.7	5.7
239 (SUFFOLK)	5.8	6.8	4.0	6.3	5.7	5.3	6.0	5.7
RUGBY	6.0	7.0	4.3	6.0	5.2	4.7	6.3	5.7
AMERICA	5.8	6.7	3.7	6.0	6.9	5.3	5.0	5.6
SOMERSET	6.0	6.5	3.3	6.0	5.8	5.0	6.7	5.6
BA 70-242 (MARQUIS)	6.2	6.5	3.7	5.7	4.9	5.7	6.3	5.6
BARON	6.0	6.7	3.0	5.3	5.9	5.7	6.3	5.6
GNOME	6.3	5.8	4.0	5.0	5.6	5.7	6.3	5.5
VICTA	6.2	7.3	3.3	5.3	5.2	6.0	5.3	5.5
K3-178	6.0	6.3	3.7	6.0	4.9	5.3	6.3	5.5
COMPACT	.	6.7	4.7	4.7	4.2	5.7	7.0	5.5
CHERI	6.5	6.5	4.0	5.3	5.7	5.0	5.3	5.5
CLASSIC	6.3	6.8	3.3	6.3	5.1	5.3	5.0	5.5
WW AG 491	6.0	6.5	4.7	6.0	4.4	4.3	6.3	5.5
K1-152	6.0	7.2	3.3	6.0	5.0	5.0	5.7	5.5

TABLE 23. LEAFSPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued)

1986-1990 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE

NAME	BC1	ID2	OH1	OR1	UB1	VA1	VA3	MEAN
WW AG 495	5.5	6.0	3.3	6.0	6.7	5.0	5.7	5.5
WW AG 496	6.2	7.5	3.7	5.3	5.8	5.0	4.7	5.4
AMAZON	6.7	5.8	3.7	4.3	6.9	5.3	5.3	5.4
BA 73-540	6.3	6.8	3.3	4.7	6.1	5.0	5.7	5.4
BA 70-139 (COVENTRY)	5.8	5.8	4.3	4.7	6.2	5.7	5.3	5.4
MERIT	5.7	7.2	3.0	5.0	5.8	6.0	5.0	5.4
ANNIKA	.	6.7	2.7	5.7	5.2	4.7	7.3	5.4
BARZAN	5.3	7.3	3.7	5.0	3.3	5.3	7.0	5.3
HV 97 (COCKTAIL)	6.0	7.0	2.3	6.0	5.3	4.3	6.0	5.3
CYNTHIA	6.2	6.3	3.3	5.7	5.3	4.0	5.7	5.2
F-1872 (FREEDOM)	.	6.3	4.0	6.0	5.1	5.0	4.7	5.2
AQUILA	5.8	6.8	3.0	4.7	4.4	4.3	7.0	5.2
MONOPOLY	6.7	6.0	3.7	5.7	4.8	4.7	4.3	5.1
BAR VB 534	6.0	7.0	3.0	5.3	4.8	4.7	5.0	5.1
PARADE	5.7	6.8	3.3	6.0	5.4	4.3	4.0	5.1
BA 73-626 (KELLY)	5.7	6.0	3.0	5.0	5.2	6.0	4.7	5.1
MYSTIC	5.7	7.0	3.0	4.3	5.8	4.7	5.0	5.1
BA 72-441 (ABBAY)	5.8	6.0	4.0	4.3	5.4	6.0	3.3	5.0
WELCOME	6.0	6.2	3.0	4.7	5.0	4.3	5.0	4.9
RAM-1	5.8	6.7	3.7	4.3	4.0	5.0	4.0	4.8
HARMONY	5.3	6.7	3.3	5.0	3.2	4.7	4.7	4.7
NE 80-88	.	6.0	3.7	4.0	3.4	4.7	5.0	4.5
JOY	5.8	6.8	3.7	4.0	1.3	4.3	4.3	4.3
HUNTSVILLE	.	5.8	3.3	4.3	3.2	3.3	4.7	4.1
KENBLUE	5.0	6.5	4.0	3.7	1.6	2.3	4.7	4.0
WABASH	5.0	6.0	5.0	3.3	2.3	2.3	3.0	3.9
S.D. CERTIFIED	5.3	7.2	4.0	2.3	1.2	3.0	2.0	3.6
LSD VALUE	0.8	1.5	1.6	0.8	1.1	1.1	2.0	0.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 24. STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID1	ID2	IN1	MO1	NJ1	MEAN
GEORGETOWN	7.7	7.7	9.0	9.0	9.0	8.5
DAWN	7.3	8.3	9.0	9.0	8.3	8.4
HAGA	7.7	7.3	9.0	9.0	9.0	8.4
NASSAU	8.3	8.0	9.0	9.0	7.7	8.4
BRISTOL	7.3	8.0	9.0	9.0	8.7	8.4
DESTINY	8.7	8.0	9.0	8.7	7.7	8.4
LOFTS 1757	8.0	8.3	9.0	9.0	7.3	8.3
PARADE	7.7	7.0	9.0	9.0	9.0	8.3
F-1872 (FREEDOM)	7.0	8.0	9.0	9.0	8.7	8.3
TRENTON	7.3	8.0	9.0	9.0	8.3	8.3
RUGBY	7.7	7.3	9.0	8.7	8.7	8.3
239 (SUFFOLK)	7.3	8.0	9.0	8.8	8.0	8.2
BA 73-626 (KELLY)	7.7	8.7	9.0	8.3	7.3	8.2
HUNTSVILLE	6.3	8.7	9.0	8.7	8.3	8.2
LIBERTY	6.7	8.0	9.0	8.8	8.3	8.2
BARZAN	7.7	8.0	8.3	8.5	8.0	8.1
CLASSIC	5.7	8.3	9.0	8.8	8.7	8.1
BA 69-82	6.3	8.0	9.0	8.7	8.3	8.1
BA 72-492 (ESTATE)	7.7	7.7	9.0	8.7	7.3	8.1
BAR VB 577 (BARLYMPIA)	6.7	9.0	9.0	7.7	8.0	8.1
K1-152	6.7	7.7	9.0	9.0	8.0	8.1
K3-178	6.3	7.3	9.0	9.0	8.7	8.1
MERIT	7.0	8.0	9.0	8.3	8.0	8.1
JULIA	7.3	7.3	9.0	8.3	8.0	8.0
BARON	6.3	8.0	9.0	9.0	7.3	7.9
CHALLENGER	7.0	8.0	9.0	8.0	7.7	7.9
CHERI	6.0	8.7	8.3	8.8	7.7	7.9
MIDNIGHT	6.0	7.3	9.0	8.8	8.3	7.9
TENDOS	6.7	8.0	8.7	7.8	8.3	7.9
BA 72-500 (CHATEAU)	6.7	7.3	9.0	8.0	8.3	7.9
CONNI	6.3	8.0	9.0	8.3	7.7	7.9
NE 80-88	5.3	8.0	9.0	8.8	8.0	7.8
PST-CB1	6.3	7.7	9.0	8.2	8.0	7.8
ASSET	4.7	8.7	9.0	8.7	8.0	7.8
HV 97 (COCKTAIL)	5.0	8.0	9.0	8.5	8.3	7.8
WABASH	5.7	8.0	9.0	8.2	8.0	7.8
AQUILA	6.7	7.0	9.0	8.0	8.0	7.7
BA 70-139 (COVENTRY)	6.0	8.0	8.3	8.0	8.3	7.7
KENBLUE	6.0	7.7	9.0	7.7	8.3	7.7
ECLIPSE	7.0	8.3	8.3	7.3	7.7	7.7
GLADE	6.0	8.0	9.0	8.0	7.7	7.7
SYDSPORT	6.3	7.7	9.0	7.5	8.0	7.7
BA 73-540	5.3	8.0	8.7	8.3	8.0	7.7
ASPEN	5.3	7.0	9.0	9.0	8.0	7.7
WW AG 496	6.3	7.3	9.0	8.0	7.7	7.7

STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE

NAME	ID1	ID2	IN1	MO1	NJ1	MEAN
A-34	6.3	8.0	9.0	6.8	8.0	7.6
S.D. CERTIFIED	5.3	7.3	9.0	8.5	8.0	7.6
AMERICA	4.7	7.7	9.0	8.3	8.3	7.6
BA 70-242 (MARQUIS)	8.0	7.7	7.3	8.7	6.3	7.6
SOMERSET	5.0	7.3	9.0	9.0	7.7	7.6
RAM-1	5.3	6.7	9.0	8.2	8.7	7.6
CYNTHIA	6.7	7.3	9.0	8.0	6.7	7.5
COMPACT	5.3	6.0	9.0	8.5	8.7	7.5
P-104 (PRINCETON 104)	7.7	6.3	9.0	8.3	6.0	7.5
MONOPOLY	6.7	7.3	8.7	6.7	8.0	7.5
ABLE I	4.3	8.0	9.0	8.7	7.0	7.4
BA 72-441 (ABBEY)	4.3	8.3	9.0	8.8	6.3	7.4
BAR VB 534	5.3	7.0	9.0	8.8	6.7	7.4
WW AG 491	4.3	7.0	9.0	8.7	7.7	7.3
IKONE	7.7	5.7	9.0	7.8	6.3	7.3
WELCOME	5.3	7.7	9.0	7.0	7.3	7.3
GNOME	4.7	8.7	7.3	8.0	7.7	7.3
BLACKSBURG	5.3	8.7	9.0	8.2	5.0	7.2
JOY	4.0	7.3	9.0	7.8	8.0	7.2
HARMONY	7.7	5.7	9.0	8.0	5.7	7.2
ANNIKA	3.3	7.3	9.0	8.2	8.0	7.2
VICTA	5.7	5.7	8.0	7.3	7.7	6.9
AMAZON	3.0	7.3	9.0	8.0	6.0	6.7
WW AG 495	4.0	7.0	9.0	7.3	5.3	6.5
MYSTIC	4.7	6.0	9.0	7.5	5.3	6.5
MERION	4.3	4.0	9.0	7.0	2.7	5.4
WW AG 468	2.0	5.3	2.3	5.3	2.7	3.5
LSD VALUE	2.5	2.0	1.0	1.7	1.0	0.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 25. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	IN1	MO1	NE1	NJ2	PA1	VA1	MEAN
ERISTOL	9.0	7.9	5.7	7.7	8.0	6.7	7.5
AMERICA	9.0	7.8	2.7	8.0	9.0	8.3	7.5
P-104 (PRINCETON 104)	9.0	7.7	3.7	8.0	7.3	8.3	7.3
ECLIPSE	9.0	8.1	4.7	7.3	6.3	8.3	7.3
IOFTS 1757	9.0	8.1	2.3	8.3	7.7	8.3	7.3
CYNTHIA	6.7	7.4	6.0	7.7	7.7	8.0	7.2
SOMERSET	9.0	7.4	2.3	8.3	8.3	8.0	7.2
F-1872 (FREEDOM)	8.7	7.6	4.7	7.7	7.3	7.0	7.1
HAGA	9.0	7.7	5.7	5.7	7.0	7.7	7.1
ASSET	8.7	7.8	4.7	6.0	7.3	8.0	7.1
K1-152	9.0	7.9	3.7	6.3	7.0	7.7	6.9
ASPEN	8.7	7.8	1.7	6.7	8.3	8.3	6.9
LIBERTY	8.0	7.4	5.0	7.7	6.0	7.3	6.9
EA 70-242 (MARQUIS)	8.0	7.8	4.3	7.0	6.7	7.7	6.9
RUGBY	8.7	7.6	4.0	6.3	7.0	7.7	6.9
MIDNIGHT	8.3	7.1	4.3	7.0	6.0	8.3	6.9
EA 72-441 (ABBAY)	5.7	7.7	6.3	6.3	7.3	7.7	6.8
DAWN	8.3	7.8	5.3	6.0	5.0	8.3	6.8
WABASH	7.7	6.8	5.0	5.7	8.0	7.7	6.8
239 (SUFFOLK)	7.7	7.8	3.0	7.3	7.0	8.0	6.8
CHALLENGER	8.7	7.8	2.7	7.0	6.0	8.3	6.7
NASSAU	9.0	7.0	3.0	7.0	6.0	8.3	6.7
VICTA	8.0	7.3	4.0	6.3	8.0	6.7	6.7
WW AG 468	8.7	7.2	3.7	6.3	6.3	8.0	6.7
CLASSIC	8.3	7.3	2.3	7.7	6.7	7.3	6.6
BARON	7.3	7.9	5.3	5.7	7.3	6.0	6.6
EST-CB1	8.3	8.1	2.3	6.7	6.0	8.0	6.6
HUNTSVILLE	8.3	7.0	3.0	5.7	6.7	8.3	6.5
EAR VB 534	6.7	8.0	5.7	5.0	6.0	7.7	6.5
GEORGETOWN	9.0	7.3	3.0	6.0	6.0	7.7	6.5
A-34	8.3	7.6	4.0	5.3	6.3	7.3	6.5
BLACKSBURG	7.0	8.2	3.3	5.3	7.3	7.7	6.5
WW AG 496	7.7	7.7	3.3	4.7	8.0	7.3	6.4
AMAZON	9.0	6.9	3.0	6.0	7.0	6.7	6.4
BARZAN	7.3	6.9	5.0	5.3	6.7	7.3	6.4
TENDOS	9.0	7.9	3.0	5.0	6.0	7.7	6.4
DESTINY	8.3	7.4	2.3	7.0	5.3	8.0	6.4
EA 72-492 (ESTATE)	8.7	7.6	5.3	4.0	5.7	7.0	6.4
EA 73-626 (KELLY)	6.3	7.9	5.3	5.7	6.0	7.0	6.4
GNOME	7.0	8.2	5.0	4.3	6.7	7.0	6.4
K3-178	8.3	7.6	4.3	5.7	4.0	8.3	6.4
TRENTON	9.0	7.8	2.7	4.7	6.7	7.3	6.4
MERIT	7.3	6.8	3.3	5.7	7.3	7.7	6.4
ABLE I	7.3	7.6	4.7	7.0	6.3	5.0	6.3
HV 97 (COCKTAIL)	9.0	7.2	6.3	7.3	2.7	5.3	6.3

TABLE 25. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(continued) 1986-1990 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	IN1	MO1	NE1	NJ2	PA1	VA1	MEAN
EA 72-500 (CHATEAU)	8.3	6.9	5.3	5.7	5.0	6.3	6.3
GLADE	6.3	7.2	4.7	5.3	7.0	7.0	6.3
NE 80-88	9.0	7.4	3.0	5.0	6.3	6.7	6.2
HARMONY	6.7	7.3	4.7	5.0	6.3	7.3	6.2
PARADE	9.0	7.3	3.3	5.7	5.0	7.0	6.2
SYDSPORT	8.0	7.7	4.0	4.3	7.0	6.0	6.2
EA 69-82	8.3	7.3	3.5	4.7	6.0	6.7	6.1
CONNI	7.7	7.7	3.3	4.0	7.0	6.7	6.1
JOY	7.7	7.7	5.0	4.7	7.0	4.3	6.1
KENBLUE	7.7	7.2	5.0	6.0	8.0	2.3	6.0
IKONE	8.3	7.1	4.0	4.7	5.7	6.3	6.0
JULIA	9.0	7.1	4.3	5.0	4.3	6.3	6.0
MONOPOLY	7.7	7.6	3.3	3.7	6.7	6.7	5.9
BAR VB 577 (BARLYMPIA)	7.3	6.9	4.3	4.0	6.3	6.7	5.9
CHERI	6.7	8.1	4.0	4.7	5.3	6.7	5.9
ANNIKA	8.3	7.7	3.0	5.0	4.7	6.7	5.9
COMPACT	7.3	7.7	4.3	5.3	6.0	4.7	5.9
S.D. CERTIFIED	8.7	7.1	2.3	6.3	6.3	4.3	5.9
EA 70-139 (COVENTRY)	8.3	7.3	2.3	4.3	6.7	6.0	5.8
MERION	8.7	7.3	2.3	4.7	5.7	6.3	5.8
WELCOME	5.7	8.2	4.7	4.7	5.7	5.7	5.8
EA 73-540	8.7	7.0	2.7	4.3	5.3	6.0	5.7
WW AG 491	7.0	7.0	4.5	3.3	6.3	5.7	5.6
AQUILA	6.7	7.7	4.7	3.3	5.7	5.7	5.6
WW AG 495	5.3	7.1	3.7	4.7	5.3	6.7	5.5
RAM-1	6.7	6.3	4.0	5.0	6.0	4.0	5.3
MYSTIC	4.3	7.2	3.7	5.0	5.7	5.3	5.2
LSD VALUE	2.3	1.1	1.8	3.1	2.1	1.9	0.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 26. RED THREAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	BC1	VA1	MEAN
LOFTS 1757	9.0	6.6	7.8
ECLIPSE	9.0	6.3	7.7
P-104 (PRINCETON 104)	8.3	6.3	7.3
BA 72-441 (ABBEY)	8.3	6.1	7.2
MONOPOLY	8.7	5.8	7.2
BA 73-626 (KELLY)	8.7	5.4	7.1
K3-178	9.0	5.0	7.0
NASSAU	9.0	5.0	7.0
ASPEN	8.7	5.2	6.9
BRISTOL	8.3	5.6	6.9
K1-152	9.0	4.9	6.9
TENDOS	8.3	5.4	6.9
VICTA	8.3	5.4	6.9
239 (SUFFOLK)	9.0	4.7	6.8
CHALLENGER	8.7	4.9	6.8
RUGBY	8.7	4.9	6.8
GEORGETOWN	9.0	4.4	6.7
WW AG 468	9.0	4.4	6.7
ASSET	8.7	4.8	6.7
BLACKSBURG	8.7	4.8	6.7
HARMONY	8.7	4.7	6.7
TRENTON	9.0	4.3	6.7
MIDNIGHT	8.3	4.9	6.6
CLASSIC	8.3	4.8	6.6
WABASH	9.0	4.0	6.5
BARON	8.0	4.9	6.4
MERION	8.3	4.4	6.4
MERIT	8.7	4.1	6.4
AMERICA	8.0	4.7	6.3
HAGA	8.3	4.2	6.3
BA 70-242 (MARQUIS)	7.3	5.2	6.3
A-34	8.3	4.0	6.2
BA 70-139 (COVENTRY)	7.3	5.0	6.2
BARZAN	8.0	4.3	6.2
GLADE	8.0	4.3	6.2
AQUILA	8.7	3.4	6.1
GNOME	7.7	4.4	6.1
WW AG 496	8.0	4.1	6.1
RAM-1	8.0	4.0	6.0
BA 69-82	7.7	4.2	5.9
PARADE	7.7	4.2	5.9
AMAZON	8.0	3.8	5.9
CHERI	7.7	4.1	5.9
ABLE I	7.7	4.0	5.8
BA 72-500 (CHATEAU)	7.0	4.6	5.8

RED THREAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	BC1	VA1	MEAN
KENBLUE	8.0	3.6	5.8
JOY	7.7	3.8	5.7
WW AG 495	7.3	4.1	5.7
DESTINY	.	5.7	5.7
SOMERSET	7.7	3.7	5.7
WW AG 491	7.7	3.7	5.7
BA 73-540	7.3	4.0	5.7
HV 97 (COCKTAIL)	7.3	4.0	5.7
S.D. CERTIFIED	8.0	3.2	5.6
WELCOME	6.0	5.2	5.6
JULIA	7.7	3.4	5.6
BAR VB 577 (BARLYMPIA)	7.3	3.3	5.3
SYDSPORT	7.0	3.7	5.3
MYSTIC	7.3	3.1	5.2
IKONE	7.0	3.3	5.2
CYNTHIA	6.3	4.0	5.2
BA 72-492 (ESTATE)	6.3	3.8	5.1
BAR VB 534	5.7	4.3	5.0
LIBERTY	.	5.0	5.0
COMPACT	.	4.8	4.8
F-1872 (FREEDOM)	.	4.8	4.8
DAWN	.	4.7	4.7
NE 80-88	.	4.4	4.4
PST-CB1	.	4.1	4.1
CONNI	.	4.0	4.0
HUNTSVILLE	.	3.7	3.7
ANNIKA	.	3.6	3.6
LSD VALUE	1.4	1.1	0.9

1/ RED THREAD RATED AT "VA1" IN 1986, 1987 AND  
1990 AND AT "BC1" IN 1988.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 27. SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	PA2	MEAN
AQUILA	9.0	9.0	9.0
ASSET	9.0	9.0	9.0
BA 73-626 (KELLY)	9.0	9.0	9.0
BAR VB 577 (BARLYMPIA)	9.0	9.0	9.0
BRISTOL	9.0	9.0	9.0
CYNTHIA	9.0	9.0	9.0
ECLIPSE	9.0	9.0	9.0
GLADE	9.0	9.0	9.0
HAGA	9.0	9.0	9.0
HUNTSVILLE	9.0	.	9.0
LOFTS 1757	9.0	9.0	9.0
MERIT	9.0	9.0	9.0
MIDNIGHT	9.0	9.0	9.0
MONOPOLY	9.0	9.0	9.0
MYSTIC	9.0	9.0	9.0
TRENTON	9.0	9.0	9.0
WABASH	9.0	9.0	9.0
239 (SUFFOLK)	8.8	9.0	8.9
ABLE I	8.8	9.0	8.9
ASPEN	8.8	9.0	8.9
BAR VB 534	8.8	9.0	8.9
BARON	8.8	9.0	8.9
CHALLENGER	8.8	9.0	8.9
CLASSIC	8.8	9.0	8.9
GEORGETOWN	8.8	9.0	8.9
K3-178	8.8	9.0	8.9
RUGBY	8.8	9.0	8.9
LIBERTY	8.8	.	8.8
TENDOS	8.8	.	8.8
BA 70-242 (MARQUIS)	8.7	9.0	8.8
HARMONY	9.0	8.7	8.8
KENBLUE	8.7	9.0	8.8
WELCOME	8.7	9.0	8.8
BA 72-441 (ABBEY)	8.5	9.0	8.8
BLACKSBURG	8.5	9.0	8.8
MERION	8.5	9.0	8.8
VICTA	8.5	9.0	8.8
WW AG 468	8.5	9.0	8.8
AMERICA	9.0	8.3	8.7
WW AG 491	8.3	9.0	8.7
A-34	8.7	8.7	8.7
NE 80-88	8.7	.	8.7
PST-CB1	8.7	.	8.7
NASSAU	8.2	9.0	8.6
SOMERSET	8.2	9.0	8.6

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

SUMMER PATCH RATINGS 1-9; 9=NO DISEASE

NAME	IN1	PA2	MEAN
BARZAN	8.5	.	8.5
S.D. CERTIFIED	8.0	9.0	8.5
F-1872 (FREEDOM)	8.3	.	8.3
K1-152	7.7	9.0	8.3
P-104 (PRINCETON 104)	8.3	.	8.3
JOY	8.0	8.7	8.3
PARADE	7.5	9.0	8.3
WW AG 496	7.2	9.0	8.1
BA 72-500 (CHATEAU)	7.5	8.7	8.1
GNOME	8.0	.	8.0
CHERI	7.5	8.3	7.9
WW AG 495	7.2	8.7	7.9
BA 72-492 (ESTATE)	6.7	9.0	7.8
DESTINY	7.7	.	7.7
BA 69-82	6.3	9.0	7.7
RAM-1	5.8	9.0	7.4
SYDSPORT	5.8	9.0	7.4
ANNIKA	7.3	.	7.3
CONNI	7.3	.	7.3
BA 70-139 (COVENTRY)	5.5	8.7	7.1
DAWN	5.2	8.7	6.9
HV 97 (COCKTAIL)	6.8	6.7	6.8
COMPACT	6.7	.	6.7
IKONE	5.8	7.3	6.6
JULIA	6.8	6.3	6.6
BA 73-540	3.7	9.0	6.3
AMAZON	5.3	5.3	5.3
LSD VALUE	1.7	0.9	1.3

1/ SUMMER PATCH RATED AT "IN1" IN 1988 AND  
1989 AND AT "PA2" IN 1989.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 28. NECROTIC RING SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

NECROTIC RING SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID2	MEAN
ABLE I	9.0	9.0
ASPEN	9.0	9.0
ASSET	9.0	9.0
BA 69-82	9.0	9.0
BA 70-242 (MARQUIS)	9.0	9.0
BAR VB 577 (BARLYMPIA)	9.0	9.0
BARON	9.0	9.0
BARZAN	9.0	9.0
CLASSIC	9.0	9.0
COMPACT	9.0	9.0
CONNI	9.0	9.0
CYNTHIA	9.0	9.0
DAWN	9.0	9.0
DESTINY	9.0	9.0
F-1872 (FREEDOM)	9.0	9.0
GEORGETOWN	9.0	9.0
GLADE	9.0	9.0
HAGA	9.0	9.0
JOY	9.0	9.0
JULIA	9.0	9.0
K1-152	9.0	9.0
K3-178	9.0	9.0
KENBLUE	9.0	9.0
LIBERTY	9.0	9.0
LOFTS 1757	9.0	9.0
MERION	9.0	9.0
MERTI	9.0	9.0
MONOPOLY	9.0	9.0
NASSAU	9.0	9.0
NE 80-88	9.0	9.0
P-104 (PRINCETON 104)	9.0	9.0
PARADE	9.0	9.0
PST-CB1	9.0	9.0
RAM-1	9.0	9.0
SYDSFORT	9.0	9.0
TRENTON	9.0	9.0
VICTA	9.0	9.0
WELCOME	9.0	9.0
239 (SUFFOLK)	8.7	8.7
A-34	8.7	8.7
AQUILA	8.7	8.7
BA 70-139 (COVENTRY)	8.7	8.7
BA 73-626 (KELLY)	8.7	8.7
BLACKSBURG	8.7	8.7
CHERI	8.7	8.7

NECROTIC RING SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

NECROTIC RING SPOT RATINGS 1-9; 9=NO DISEASE

NAME	ID2	MEAN
HARMONY	8.7	8.7
MYSTIC	8.7	8.7
S.D. CERTIFIED	8.7	8.7
WW AG 468	8.7	8.7
WW AG 496	8.7	8.7
AMERICA	8.3	8.3
BA 72-492 (ESTATE)	8.3	8.3
BRISTOL	8.3	8.3
CHALLENGER	8.3	8.3
GNOME	8.3	8.3
HUNTSVILLE	8.3	8.3
RUGBY	8.3	8.3
WW AG 491	8.3	8.3
BA 72-500 (CHATEAU)	8.0	8.0
MIDNIGHT	8.0	8.0
SOMERSET	8.0	8.0
WABASH	8.0	8.0
BAR VB 534	7.7	7.7
ECLIPSE	7.7	7.7
IKONE	7.7	7.7
TENDOS	7.7	7.7
BA 73-540	7.3	7.3
BA 72-441 (ABBEY)	7.0	7.0
AMAZON	6.3	6.3
WW AG 495	6.3	6.3
ANNIKA	5.7	5.7
HV 97 (COCKTAIL)	5.7	5.7
LSD VALUE	1.8	1.8

1/ NECROTIC RING SPOT RATED AT "ID2" IN  
1989 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 29. STRIPE SMUT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

STRIPE SMUT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1	MEAN
ABLE I	8.7	8.7
BLACKSBURG	8.7	8.7
IKONE	8.7	8.7
LOFTS 1757	8.7	8.7
MERION	8.7	8.7
MIDNIGHT	8.7	8.7
WW AG 495	8.7	8.7
239 (SUFFOLK)	8.3	8.3
ASPEN	8.3	8.3
ASSET	8.3	8.3
BA 72-492 (ESTATE)	8.3	8.3
BA 73-540	8.3	8.3
BRISTOL	8.3	8.3
HV 97 (COCKTAIL)	8.3	8.3
JULIA	8.3	8.3
SOMERSET	8.3	8.3
A-34	8.0	8.0
AQUILA	8.0	8.0
BA 72-500 (CHATEAU)	8.0	8.0
BAR VB 577 (BARLYMPIA)	8.0	8.0
CHERI	8.0	8.0
CONNI	8.0	8.0
DAWN	8.0	8.0
F-1872 (FREEDOM)	8.0	8.0
GLADE	8.0	8.0
K1-152	8.0	8.0
K3-178	8.0	8.0
LIBERTY	8.0	8.0
MONOPOLY	8.0	8.0
P-104 (PRINCETON 104)	8.0	8.0
TENDOS	8.0	8.0
AMERICA	7.7	7.7
BA 69-82	7.7	7.7
BA 70-139 (COVENTRY)	7.7	7.7
BAR VB 534	7.7	7.7
CLASSIC	7.7	7.7
COMPACT	7.7	7.7
CYNTHIA	7.7	7.7
DESTINY	7.7	7.7
ECLIPSE	7.7	7.7
MYSTIC	7.7	7.7
PST-CB1	7.7	7.7
SYDSPOUT	7.7	7.7
ANNIKA	7.3	7.3
CHALLENGER	7.3	7.3

STRIPE SMUT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

STRIPE SMUT RATINGS 1-9; 9=NO DISEASE

NAME	NJ1	MEAN
HAGA	7.3	7.3
HUNTSVILLE	7.3	7.3
NE 80-88	7.3	7.3
PARADE	7.3	7.3
WABASH	7.3	7.3
WW AG 468	7.3	7.3
WW AG 496	7.3	7.3
GEORGETOWN	7.0	7.0
JOY	7.0	7.0
KENBLUE	7.0	7.0
NASSAU	7.0	7.0
RAM-1	7.0	7.0
RUGBY	7.0	7.0
TRENTON	7.0	7.0
WW AG 491	7.0	7.0
AMAZON	6.7	6.7
BARZAN	6.7	6.7
WELCOME	6.7	6.7
BA 70-242 (MARQUIS)	6.0	6.0
BA 72-441 (ABBAY)	6.0	6.0
BA 73-626 (KELLY)	6.0	6.0
S.D. CERTIFIED	6.0	6.0
MERIT	5.7	5.7
VICTA	5.7	5.7
BARON	5.3	5.3
HARMONY	5.0	5.0
GNOME	4.3	4.3
LSD VALUE	2.2	2.2

1/ STRIPE SMUT RATED AT "NJ1" IN 1990 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 30. CROWN RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	BC1	MO1	WA4	MEAN
ANNIKA	.	9.0	9.0	9.0
COMPACT	.	9.0	9.0	9.0
HUNTSVILLE	.	9.0	9.0	9.0
NE 80-88	.	9.0	.	9.0
HV 97 (COCKTAIL)	8.4	9.0	9.0	8.8
BA 72-500 (CHATEAU)	8.3	9.0	9.0	8.8
AMERICA	8.2	9.0	9.0	8.7
BRISTOL	8.2	9.0	9.0	8.7
BA 70-139 (COVENTRY)	8.1	9.0	9.0	8.7
ASSET	8.4	9.0	8.7	8.7
BAR VB 577 (BARLYMPIA)	8.3	8.7	9.0	8.7
BARZAN	8.7	8.3	9.0	8.7
K1-152	8.0	9.0	9.0	8.7
S.D. CERTIFIED	8.0	9.0	9.0	8.7
CHERI	8.4	8.3	9.0	8.6
NASSAU	7.9	8.7	9.0	8.5
LIBERTY	.	9.0	8.0	8.5
HAGA	8.1	9.0	8.3	8.5
KENBLUE	7.4	9.0	9.0	8.5
JOY	7.3	9.0	9.0	8.4
BA 69-82	8.2	9.0	8.0	8.4
DESTINY	.	9.0	7.7	8.3
F-1872 (FREEDOM)	.	9.0	7.7	8.3
PST-CB1	.	9.0	7.7	8.3
RUGBY	8.0	9.0	8.0	8.3
WABASH	7.3	9.0	8.7	8.3
CONNI	.	8.0	8.7	8.3
BA 72-492 (ESTATE)	8.4	9.0	7.3	8.3
CLASSIC	8.3	9.0	7.3	8.2
SOMERSET	6.7	9.0	9.0	8.2
AQUILA	6.6	9.0	9.0	8.2
LOFTS 1757	7.6	8.3	8.7	8.2
BA 73-540	8.4	9.0	7.0	8.1
MONOPOLY	8.0	9.0	7.3	8.1
SYDSPORT	8.7	9.0	6.7	8.1
239 (SUFFOLK)	7.9	9.0	7.3	8.1
TENDOS	8.8	9.0	6.3	8.0
TRENTON	8.2	9.0	6.7	8.0
K3-178	8.0	9.0	6.7	7.9
WELCOME	8.7	6.0	9.0	7.9
MERIT	7.6	8.3	7.7	7.9
P-104 (PRINCETON 104)	7.6	7.7	8.3	7.9
WW AG 496	7.4	7.7	8.3	7.8
RAM-1	8.0	8.0	7.3	7.8
BARON	7.9	8.0	7.3	7.7

CROWN RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	BC1	MO1	WA4	MEAN
CHALLENGER	7.1	7.7	8.3	7.7
A-34	7.8	9.0	6.3	7.7
ABLE I	8.1	7.7	7.3	7.7
ASPEN	6.8	9.0	7.3	7.7
IKONE	7.8	8.3	7.0	7.7
VICTA	7.8	8.7	6.7	7.7
PARADE	8.6	9.0	5.3	7.6
GLADE	6.8	9.0	7.0	7.6
ECLIPSE	7.7	8.0	7.0	7.6
BA 70-242 (MARQUIS)	7.2	7.7	7.7	7.5
GEORGETOWN	8.2	9.0	5.3	7.5
JULIA	8.4	7.3	6.7	7.5
HARMONY	7.1	6.7	8.3	7.4
BLACKSBURG	8.1	7.3	6.7	7.4
WW AG 491	6.7	8.3	6.7	7.2
DAWN	.	8.7	5.7	7.2
BAR VB 534	8.0	4.7	8.7	7.1
BA 72-441 (ABBAY)	7.3	7.3	6.3	7.0
GNOME	7.8	8.7	4.3	6.9
AMAZON	7.1	7.0	6.3	6.8
MYSTIC	6.4	5.0	9.0	6.8
CYNTHIA	7.8	4.7	7.7	6.7
BA 73-626 (KELLY)	7.2	8.7	4.0	6.6
MIDNIGHT	6.1	8.3	5.0	6.5
WW AG 495	6.8	3.7	9.0	6.5
WW AG 468	5.9	4.3	9.0	6.4
MERION	6.4	4.7	7.7	6.3
LSD VALUE	1.0	1.2	3.2	1.0

1/ CROWN RUST RATED AT "BC1" IN 1987, 1988 AND 1990;  
AT "MO1" AND "WA4" IN 1989.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 31. POWDERY MILDEW RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

POWDERY MILDEW RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ2	WA4	MEAN
AQUILA	8.3	8.0	8.2
MYSTIC	8.0	8.3	8.2
JOY	8.0	8.0	8.0
AMERICA	7.7	8.0	7.8
COMPACT	7.3	8.3	7.8
HUNTSVILLE	8.0	7.7	7.8
WW AG 495	7.7	8.0	7.8
BARZAN	8.3	6.7	7.5
BRISTOL	7.0	8.0	7.5
CONNI	7.0	8.0	7.5
LOFTS 1757	6.3	8.5	7.4
SOMERSET	7.0	7.7	7.3
WW AG 496	8.3	6.3	7.3
MONOPOLY	6.7	7.7	7.2
BA 72-492 (ESTATE)	7.0	6.7	6.8
WW AG 468	6.7	7.0	6.8
CYNTHIA	6.7	6.7	6.7
P-104 (PRINCETON 104)	6.7	6.7	6.7
WABASH	6.7	6.7	6.7
S.D. CERTIFIED	7.3	6.0	6.7
WELCOME	6.3	7.0	6.7
KENBLUE	5.0	8.0	6.5
BAR VB 534	6.7	6.0	6.3
NE 80-88	6.3	.	6.3
ABLE I	6.7	5.7	6.2
BA 69-82	5.3	7.0	6.2
BA 70-139 (COVENTRY)	6.0	6.0	6.0
A-34	6.7	5.0	5.8
ANNIKA	5.7	6.0	5.8
ASPEN	4.7	7.0	5.8
BA 73-540	5.7	6.0	5.8
BAR VB 577 (BARLYMPIA)	4.7	7.0	5.8
SYDSPORT	6.7	5.0	5.8
RAM-1	6.7	4.7	5.7
ECLIPSE	5.0	6.0	5.5
K1-152	3.7	7.3	5.5
LIBERTY	4.0	6.7	5.3
BLACKSBURG	4.3	6.3	5.3
BA 72-500 (CHATEAU)	5.3	5.0	5.2
239 (SUFFOLK)	2.3	7.5	4.9
AMAZON	5.0	4.7	4.8
K3-178	3.0	6.7	4.8
CHALLENGER	3.3	6.3	4.8
HARMONY	6.0	3.5	4.8
CLASSIC	2.7	6.7	4.7

POWDERY MILDEW RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

POWDERY MILDEW RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	WA4	MEAN
DAWN	3.3	6.0	4.7
GLADE	3.3	6.0	4.7
HAGA	3.0	6.3	4.7
DESTINY	2.3	6.7	4.5
PST-CB1	3.0	6.0	4.5
F-1872 (FREEDOM)	2.0	6.7	4.3
GEORGETOWN	2.7	6.0	4.3
RUGBY	2.7	6.0	4.3
TRENTON	2.7	6.0	4.3
IKONE	1.3	7.0	4.2
CHERI	3.3	4.7	4.0
HV 97 (COCKTAIL)	2.7	5.3	4.0
NASSAU	2.3	5.7	4.0
TENDOS	3.3	4.7	4.0
ASSET	2.0	5.7	3.8
JULIA	2.0	5.7	3.8
PARADE	2.0	5.7	3.8
BA 73-626 (KELLY)	1.7	5.3	3.5
MERION	1.0	5.7	3.3
MERIT	1.7	4.7	3.2
WW AG 491	2.3	4.0	3.2
VICTA	1.7	4.3	3.0
MIDNIGHT	1.7	4.0	2.8
BARON	1.3	4.0	2.7
GNOME	1.0	3.7	2.3
BA 72-441 (ABBAY)	1.0	3.5	2.3
BA 70-242 (MARQUIS)	1.0	3.3	2.2
LSD VALUE	1.4	2.3	1.4

1/ POWDERY MILDEW RATED AT "NJ2" IN 1986 AND  
AT "WA4" IN 1988.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 32. SOD WEBWORM RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

SOD WEBWORM RATINGS 1-9; 9=NO DAMAGE 2/

NAME	UB1	MEAN
BLACKSBURG	8.3	8.3
COMPACT	8.3	8.3
AMAZON	7.7	7.7
CHALLENGER	7.7	7.7
ECLIPSE	7.7	7.7
MERIT	7.7	7.7
AMERICA	7.3	7.3
BA 72-492 (ESTATE)	7.3	7.3
GNOME	7.3	7.3
HUNTSVILLE	7.3	7.3
VICTA	7.3	7.3
WELCOME	7.3	7.3
CYNTHIA	7.0	7.0
HARMONY	7.0	7.0
IKONE	7.0	7.0
SOMERSET	7.0	7.0
WW AG 468	7.0	7.0
ASPEN	6.7	6.7
BA 69-82	6.7	6.7
BA 73-626 (KELLY)	6.7	6.7
HAGA	6.7	6.7
JULIA	6.7	6.7
P-104 (PRINCETON 104)	6.7	6.7
AQUILA	6.3	6.3
BA 70-242 (MARQUIS)	6.3	6.3
BA 72-500 (CHATEAU)	6.3	6.3
BA 73-540	6.3	6.3
BARON	6.3	6.3
BRISTOL	6.3	6.3
LIBERTY	6.3	6.3
SYDSPORT	6.3	6.3
WABASH	6.3	6.3
WW AG 491	6.3	6.3
WW AG 495	6.3	6.3
ASSET	6.0	6.0
F-1872 (FREEDOM)	6.0	6.0
MYSTIC	6.0	6.0
NE 80-88	6.0	6.0
PST-CB1	6.0	6.0
WW AG 496	6.0	6.0
CHERI	5.7	5.7
DAWN	5.7	5.7
GLADE	5.7	5.7
K3-178	5.7	5.7
LOFTS 1757	5.7	5.7

SOD WEBWORM RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

SOD WEBWORM RATINGS 1-9; 9=NO DAMAGE

NAME	UB1	MEAN
MIDNIGHT	5.7	5.7
BA 70-139 (COVENTRY)	5.3	5.3
GEORGETOWN	5.3	5.3
MERION	5.3	5.3
MONOPOLY	5.3	5.3
TRENTON	5.3	5.3
239 (SUFFOLK)	5.0	5.0
A-34	5.0	5.0
BAR VB 534	5.0	5.0
CONNI	5.0	5.0
HV 97 (COCKTAIL)	5.0	5.0
K1-152	5.0	5.0
ANNIKA	4.7	4.7
BA 72-441 (ABBEY)	4.7	4.7
BARZAN	4.7	4.7
DESTINY	4.7	4.7
NASSAU	4.7	4.7
RAM-1	4.7	4.7
RUGBY	4.7	4.7
ABLE I	4.3	4.3
CLASSIC	4.3	4.3
KENBLUE	4.3	4.3
PARADE	4.3	4.3
JOY	4.0	4.0
S.D. CERTIFIED	4.0	4.0
BAR VB 577 (BARLYMPIA)	2.7	2.7
TENDOS	2.3	2.3
LSD VALUE	2.7	2.7

1/ SOD WEBWORM DAMAGE RATED AT "UB1" IN 1987 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 33. BLUEGRASS BILLBUG RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

BLUEGRASS BILLBUG RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NE1	NE2	MEAN
BA 73-626 (KELLY)	5.7	5.3	5.5
HAGA	5.7	5.3	5.5
BA 72-441 (ABBEY)	5.7	5.0	5.3
COMPACT	5.0	5.7	5.3
BAR VB 534	5.0	5.3	5.2
DAWN	4.3	6.0	5.2
JULIA	5.0	5.3	5.2
K3-178	5.3	5.0	5.2
MERIT	5.3	5.0	5.2
239 (SUFFOLK)	5.0	5.0	5.0
LIBERTY	5.0	5.0	5.0
MERION	4.0	6.0	5.0
BA 69-82	5.5	4.3	4.9
IKONE	4.5	5.3	4.9
GEORGETOWN	5.0	4.7	4.8
NASSAU	4.7	5.0	4.8
PST-CB1	4.0	5.7	4.8
AMAZON	5.3	4.3	4.8
HV 97 (COCKTAIL)	5.3	4.3	4.8
K1-152	5.3	4.3	4.8
NE 80-88	5.3	4.3	4.8
VICTA	4.3	5.3	4.8
BAR VB 577 (BARLYMPIA)	4.7	4.7	4.7
ASSET	5.0	4.3	4.7
BARON	4.3	5.0	4.7
CONNI	5.3	4.0	4.7
AMERICA	4.7	4.3	4.5
AQUILA	5.0	4.0	4.5
BLACKSBURG	4.7	4.3	4.5
CYNTHIA	4.0	5.0	4.5
DESTINY	4.0	5.0	4.5
ECLIPSE	4.7	4.3	4.5
F-1872 (FREEDOM)	5.0	4.0	4.5
KENBLUE	4.3	4.7	4.5
LOFTS 1757	4.0	5.0	4.5
SOMERSET	5.0	4.0	4.5
WW AG 491	5.0	4.0	4.5
SYDSPORT	4.5	4.3	4.4
BA 70-242 (MARQUIS)	4.0	4.7	4.3
BA 73-540	5.0	3.7	4.3
CHERI	4.3	4.3	4.3
HUNTSVILLE	4.3	4.3	4.3
JOY	5.0	3.7	4.3
PARADE	4.3	4.3	4.3
RUGBY	4.3	4.3	4.3

BLUEGRASS BILLBUG RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

BLUEGRASS BILLBUG RATINGS 1-9; 9=NO DAMAGE

NAME	NE1	NE2	MEAN
WABASH	4.3	4.3	4.3
WW AG 496	4.3	4.3	4.3
ABLE I	5.0	3.3	4.2
BA 72-492 (ESTATE)	4.7	3.7	4.2
BRISTOL	3.7	4.7	4.2
GNOME	3.7	4.7	4.2
RAM-1	4.7	3.7	4.2
ANNIKA	4.0	4.3	4.2
CLASSIC	4.3	4.0	4.2
P-104 (PRINCETON 104)	4.3	4.0	4.2
TRENTON	4.0	4.3	4.2
ASPEN	4.0	4.0	4.0
BA 72-500 (CHATEAU)	4.7	3.3	4.0
CHALLENGER	3.7	4.3	4.0
HARMONY	4.3	3.7	4.0
WELCOME	4.3	3.7	4.0
WW AG 495	4.0	4.0	4.0
MYSTIC	4.7	3.0	3.8
BA 70-139 (COVENTRY)	4.3	3.3	3.8
BARZAN	4.0	3.7	3.8
GLADE	4.3	3.3	3.8
MONOPOLY	3.3	4.0	3.7
WW AG 468	2.7	4.7	3.7
TENDOS	4.3	3.0	3.7
A-34	4.0	3.0	3.5
S.D. CERTIFIED	3.3	3.7	3.5
MIDNIGHT	3.7	3.0	3.3
LSD VALUE	2.0	1.9	1.4

- 1/ BLUEGRASS BILLBUG DAMAGE RATED AT "NE1" AND "NE2" IN 1989 ONLY.
- 2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 34. LEAF RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	CA2	CA3	CA4	DC1	MEAN
LIBERTY	5.3	6.7	.	9.0	7.0
K1-152	6.3	6.3	7.3	7.7	6.9
COMPACT	7.7	6.3	.	6.7	6.9
RUGBY	5.0	6.7	8.1	7.7	6.9
HV 97 (COCKTAIL)	5.3	6.3	6.8	8.7	6.8
TRENTON	6.0	6.3	7.7	7.0	6.8
CLASSIC	6.3	6.0	7.8	6.7	6.7
K3-178	6.0	6.3	7.4	7.0	6.7
BAR VB 577 (BARLYMPIA)	5.3	6.3	6.9	8.0	6.6
PST-CB1	4.5	7.0	7.8	7.3	6.6
239 (SUFFOLK)	6.0	6.3	7.1	7.0	6.6
RAM-1	5.0	6.0	6.8	8.7	6.6
HAGA	5.7	6.3	7.6	6.7	6.6
PARADE	5.3	7.0	7.9	6.0	6.6
WELCOME	4.7	6.0	.	9.0	6.6
LOFTS 1757	3.3	5.7	8.0	9.0	6.5
BARZAN	5.0	5.7	6.8	8.0	6.4
CHALLENGER	4.0	6.3	6.8	8.3	6.4
NASSAU	4.3	5.7	6.5	9.0	6.4
KENBLUE	4.0	5.7	8.3	7.3	6.3
AMERICA	5.0	6.0	6.6	7.7	6.3
GEORGETOWN	5.3	6.0	7.6	6.3	6.3
BRISTOL	5.3	6.0	6.8	7.0	6.3
HUNTSVILLE	5.0	4.7	7.8	7.7	6.3
TENDOS	5.7	6.3	6.3	6.7	6.3
CHERI	5.3	5.0	7.3	7.3	6.2
DAWN	5.3	6.0	6.6	7.0	6.2
GLADE	5.0	5.0	6.8	8.0	6.2
F-1872 (FREEDOM)	5.7	6.7	.	.	6.2
DESTINY	3.7	6.3	.	8.3	6.1
ASSET	2.7	5.3	7.3	9.0	6.1
JOY	3.0	5.0	7.3	9.0	6.1
ASPEN	3.7	5.3	6.8	8.3	6.0
S.D. CERTIFIED	3.7	5.3	6.8	8.3	6.0
MIDNIGHT	4.0	5.7	6.0	8.3	6.0
WABASH	4.3	5.3	6.8	7.3	5.9
BA 72-492 (ESTATE)	5.0	5.7	7.4	5.3	5.9
SOMERSET	4.3	4.3	7.4	7.3	5.9
BA 70-139 (COVENTRY)	4.0	5.0	7.3	7.0	5.8
ABLE I	2.0	6.3	7.3	7.7	5.8
BA 73-540	5.0	4.7	6.5	7.0	5.8
ANNIKA	4.0	4.3	.	9.0	5.8
CONNI	5.0	5.3	.	7.0	5.8
A-34	3.7	6.3	7.4	5.7	5.8
BARON	3.3	5.0	7.1	7.7	5.8

LEAF RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE

NAME	CA2	CA3	CA4	DC1	MEAN
SYDSPORT	4.0	5.3	7.4	6.3	5.8
BA 69-82	4.7	5.7	6.6	6.0	5.7
BA 72-500 (CHATEAU)	4.0	5.3	7.3	6.3	5.7
CYNTHIA	3.0	5.0	6.8	8.0	5.7
BA 72-441 (ABBAY)	3.0	5.3	5.7	8.7	5.7
BLACKSBURG	3.0	5.3	5.7	8.7	5.7
WW AG 496	3.0	6.0	6.9	6.7	5.6
AMAZON	3.0	5.3	6.2	8.0	5.6
BA 73-626 (KELLY)	2.7	5.7	6.5	7.7	5.6
WW AG 491	3.7	4.7	5.8	8.0	5.5
IKONE	3.3	6.3	7.1	5.3	5.5
VICTA	3.0	4.7	6.7	7.7	5.5
MONOPOLY	3.7	5.3	7.2	5.7	5.5
AQUILA	3.0	5.7	6.3	6.7	5.4
JULIA	2.0	5.7	6.7	7.3	5.4
BA 70-242 (MARQUIS)	2.0	5.0	6.4	8.0	5.4
GNOME	2.7	5.3	6.1	7.0	5.3
ECLIPSE	2.0	5.3	6.9	6.3	5.1
MERIT	2.7	5.7	5.8	6.0	5.0
BAR VB 534	2.7	5.3	5.8	6.3	5.0
HARMONY	3.3	4.3	.	6.7	4.8
WW AG 495	2.7	5.3	5.8	5.0	4.7
P-104 (PRINCETON 104)	2.7	5.3	6.1	4.7	4.7
NE 80-88	3.0	6.3	.	.	4.7
MYSTIC	3.0	5.7	3.9	6.0	4.6
MERION	2.3	4.0	5.8	5.7	4.5
WW AG 468	2.0	4.0	5.8	4.3	4.0
LSD VALUE	1.7	1.5	1.5	2.0	0.9

1/ LEAF RUST RATED AT "CA2" IN 1986, AT "CA3" IN 1987 AND, "CA4" IN 1986-88 AND AT "DC1" IN 1986.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 35. STRIPE RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

STRIPE RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	BC1	MEAN
AMERICA	8.0	8.0
BA 69-82	8.0	8.0
BA 70-139 (COVENTRY)	8.0	8.0
BA 72-492 (ESTATE)	8.0	8.0
BA 73-540	8.0	8.0
BRISTOL	8.0	8.0
CLASSIC	8.0	8.0
HV 97 (COCKTAIL)	8.0	8.0
SYDSFORT	8.0	8.0
TRENTON	8.0	8.0
239 (SUFFOLK)	7.7	7.7
K3-178	7.7	7.7
KENBLUE	7.7	7.7
PARADE	7.7	7.7
RUGBY	7.7	7.7
TENDOS	7.7	7.7
ABLE I	7.3	7.3
ASSET	7.3	7.3
BA 70-242 (MARQUIS)	7.3	7.3
BA 72-500 (CHATEAU)	7.3	7.3
HAGA	7.3	7.3
K1-152	7.3	7.3
LOFTS 1757	7.3	7.3
MONOPOLY	7.3	7.3
NASSAU	7.3	7.3
WELCOME	7.3	7.3
A-34	7.0	7.0
AMAZON	7.0	7.0
BAR VB 577 (BARLYMPIA)	7.0	7.0
BARON	7.0	7.0
BARZAN	7.0	7.0
GEORGETOWN	7.0	7.0
GNOME	7.0	7.0
IKONE	7.0	7.0
JULIA	7.0	7.0
P-104 (PRINCETON 104)	7.0	7.0
RAM-1	7.0	7.0
WW AG 496	7.0	7.0
AQUILA	6.7	6.7
ASPEN	6.7	6.7
CHALLENGER	6.7	6.7
CHERI	6.7	6.7
JOY	6.7	6.7
MERIT	6.7	6.7
BA 72-441 (ABBAY)	6.3	6.3

STRIPE RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

STRIPE RUST RATINGS 1-9; 9=NO DISEASE

NAME	BC1	MEAN
BLACKSBURG	6.3	6.3
ECLIPSE	6.3	6.3
WABASH	6.3	6.3
WW AG 491	6.3	6.3
GLADE	6.0	6.0
HARMONY	6.0	6.0
WW AG 495	6.0	6.0
BA 73-626 (KELLY)	5.7	5.7
CYNTHIA	5.7	5.7
MIDNIGHT	5.7	5.7
VICTA	5.7	5.7
BAR VB 534	5.3	5.3
MERION	5.3	5.3
MYSTIC	5.3	5.3
S.D. CERTIFIED	5.3	5.3
SOMERSET	5.3	5.3
WW AG 468	4.3	4.3
LSD VALUE	1.2	1.2

- 1/ STRIPE RUST RATED AT "BC1" IN 1986 ONLY.
- 2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 36. SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-1990 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	ID2	MEAN
BLACKSBURG	8.7	8.7
RAM-1	8.7	8.7
HV 97 (COCKTAIL)	8.3	8.3
P-104 (PRINCETON 104)	8.3	8.3
BA 70-139 (COVENTRY)	8.0	8.0
CYNTHIA	8.0	8.0
HUNTSVILLE	8.0	8.0
IKONE	8.0	8.0
S.D. CERTIFIED	8.0	8.0
AMAZON	7.7	7.7
BA 73-540	7.7	7.7
CHALLENGER	7.7	7.7
JOY	7.7	7.7
JULIA	7.7	7.7
NE 80-88	7.7	7.7
SOMERSET	7.7	7.7
WW AG 468	7.5	7.5
ANNIKA	7.3	7.3
AQUILA	7.3	7.3
ASSET	7.3	7.3
BA 72-492 (ESTATE)	7.3	7.3
BAR VB 534	7.3	7.3
COMPACT	7.3	7.3
MONOPOLY	7.3	7.3
PST-CB1	7.3	7.3
WABASH	7.3	7.3
WW AG 491	7.3	7.3
WW AG 495	7.3	7.3
A-34	7.0	7.0
ABLE I	7.0	7.0
BARZAN	7.0	7.0
GEORGETOWN	7.0	7.0
HARMONY	7.0	7.0
LIBERTY	7.0	7.0
MERIT	7.0	7.0
MYSTIC	7.0	7.0
SYDSFORT	7.0	7.0
WELCOME	7.0	7.0
CHERI	6.7	6.7
KENBLUE	6.7	6.7
TRENTON	6.7	6.7
WW AG 496	6.7	6.7
BA 69-82	6.5	6.5
ASPEN	6.3	6.3
BA 72-441 (ABBEY)	6.3	6.3

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
1986-1990 DATA

SEEDHEAD RATINGS 1-9; 9=NONE

NAME	ID2	MEAN
MERION	6.3	6.3
MIDNIGHT	6.3	6.3
TENDOS	6.3	6.3
239 (SUFFOLK)	6.0	6.0
BA 73-626 (KELLY)	6.0	6.0
CLASSIC	6.0	6.0
ECLIPSE	6.0	6.0
HAGA	6.0	6.0
K3-178	6.0	6.0
LOFTS 1757	6.0	6.0
BA 72-500 (CHATEAU)	5.7	5.7
CONNI	5.7	5.7
GLADE	5.7	5.7
RUGBY	5.7	5.7
AMERICA	5.3	5.3
DAWN	5.3	5.3
F-1872 (FREEDOM)	5.3	5.3
PARADE	5.3	5.3
VICTA	5.3	5.3
K1-152	5.0	5.0
BRISTOL	4.7	4.7
NASSAU	4.7	4.7
BA 70-242 (MARQUIS)	4.3	4.3
BAR VB 577 (BARLYMPIA)	4.3	4.3
BARON	4.3	4.3
DESTINY	4.0	4.0
GNOME	4.0	4.0
LSD VALUE	2.3	2.3

1/ SEEDHEADS RATED AT "ID2" IN 1988 ONLY.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 37. SOD STRENGTH RATINGS (8 MONTHS)  
OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-90 DATA

SOD STRENGTH RATINGS EIGHT MONTHS AFTER SEEDING: KILOGRAMS 2/

NAME	VA3	MEAN
AMERICA	30.7	30.7
GEORGETOWN	30.0	30.0
VICTA	29.3	29.3
BAR VB 577	28.7	28.7
P-104 (PRINCETON 104)	28.7	28.7
CHERI	28.3	28.3
F-1872 (FREEDOM)	28.3	28.3
PST-CB1	27.0	27.0
GLADE	26.3	26.3
JOY	26.3	26.3
239 (SUFFOLK)	26.0	26.0
BA 69-82	26.0	26.0
MONOPOLY	26.0	26.0
PARADE	26.0	26.0
SYDSPORT	26.0	26.0
BARON	25.7	25.7
CONNI	25.7	25.7
MERIT	25.3	25.3
BRISTOL	24.7	24.7
K3-178	24.7	24.7
WELCOME	24.7	24.7
K1-152	24.3	24.3
ASSET	23.7	23.7
BA 72-492 (ESTATE)	23.3	23.3
BA 72-500 (CHATEAU)	23.3	23.3
WW AG 491	23.3	23.3
BA 70-242	23.0	23.0
CHALLENGER	23.0	23.0
CLASSIC	23.0	23.0
DAWN	22.7	22.7
HAGA	22.3	22.3
MIDNIGHT	22.3	22.3
NASSAU	22.3	22.3
RAM-1	22.3	22.3
ECLIPSE	22.0	22.0
GNOME	22.0	22.0
KENBLUE	22.0	22.0
LOFTS 1757	22.0	22.0
A-34	21.7	21.7
ASPEN	21.7	21.7
MERION	21.3	21.3
MYSTIC	21.3	21.3
WW AG 496	21.3	21.3
TRENTON	20.7	20.7
BA 73-540	20.3	20.3

SOD STRENGTH RATINGS (8 MONTHS)  
OF KENTUCKY BLUEGRASS CULTIVARS  
1986-90 DATA

SOD STRENGTH RATINGS EIGHT MONTHS AFTER SEEDING: KILOGRAMS

NAME	VA3	MEAN
BA 73-626 (KELLY)	20.3	20.3
LIBERTY	20.3	20.3
RUGBY	20.3	20.3
BAR VB 534	20.0	20.0
NE 80-88	19.7	19.7
AQUILA	19.3	19.3
HARMONY	19.3	19.3
HUNTSVILLE	19.0	19.0
BLACKSBURG	18.7	18.7
TENDOS	18.7	18.7
IKONE	18.3	18.3
AMAZON	18.0	18.0
BA 70-139 (COVENTRY)	18.0	18.0
ANNIKA	17.7	17.7
CYNTHIA	17.7	17.7
BA 72-441 (ABBEY)	17.0	17.0
DESTINY	17.0	17.0
WABASH	16.7	16.7
ABLE I	16.3	16.3
SOMERSET	16.0	16.0
WW AG 495	15.3	15.3
BARZAN	13.0	13.0
HV 97 (COCKTAIL)	13.0	13.0
WW AG 468	13.0	13.0
COMPACT	12.7	12.7
JULIA	12.3	12.3
S.D. CERTIFIED	10.3	10.3
LSD VALUE	6.9	6.9

1/ SOD STRENGTH MEASURED IN KILOGRAMS OF TENSION  
NEEDED TO TEAR SOD. DATA COLLECTED MAY 28, 1986.

2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 38. SOD STRENGTH RATINGS (12 MONTHS)  
OF KENTUCKY BLUEGRASS CULTIVARS 1/  
1986-90 DATA

SOD STRENGTH RATINGS TWELVE MONTHS AFTER SEEDING: KILOGRAMS 2/

NAME	VA3	MEAN
SYDSPORT	20.7	20.7
BA 69-82	20.0	20.0
AMERICA	18.7	18.7
ASPEN	18.0	18.0
GLADE	18.0	18.0
WELCOME	18.0	18.0
AQUILA	16.3	16.3
KENBLUE	16.3	16.3
VICTA	16.3	16.3
BA 72-492 (ESTATE)	16.0	16.0
239 (SUFFOLK)	15.3	15.3
CLASSIC	15.3	15.3
BA 72-500 (CHATEAU)	15.0	15.0
K1-152	15.0	15.0
BARON	14.7	14.7
TRENTON	14.7	14.7
BA 73-626 (KELLY)	14.3	14.3
CHERI	14.3	14.3
GEORGETOWN	14.3	14.3
GNOME	14.3	14.3
MIDNIGHT	14.3	14.3
MYSTIC	14.3	14.3
JOY	14.0	14.0
WW AG 496	14.0	14.0
K3-178	13.7	13.7
F-1872 (FREEDOM)	13.3	13.3
HUNTSVILLE	13.3	13.3
MERIT	13.3	13.3
CONNI	13.0	13.0
ECLIPSE	13.0	13.0
HAGA	13.0	13.0
P-104 (PRINCETON 104)	13.0	13.0
TENDOS	13.0	13.0
BA 70-242	12.7	12.7
PARADE	12.7	12.7
PST-CB1	12.7	12.7
BAR VB 534	12.3	12.3
HARMONY	12.3	12.3
BAR VB 577	12.0	12.0
CHALLENGER	12.0	12.0
BA 73-540	11.7	11.7
RUGBY	11.7	11.7
BLACKSBURG	11.3	11.3
MERION	11.3	11.3
BA 70-139 (COVENTRY)	11.0	11.0

SOD STRENGTH RATINGS (12 MONTHS)  
 OF KENTUCKY BLUEGRASS CULTIVARS  
 1986-90 DATA

SOD STRENGTH RATINGS TWELVE MONTHS AFTER SEEDING: KILOGRAMS

NAME	VA3	MEAN
CYNTHIA	11.0	11.0
JULIA	11.0	11.0
LIBERTY	11.0	11.0
RAM-1	11.0	11.0
WW AG 491	11.0	11.0
HV 97 (COCKTAIL)	10.7	10.7
WW AG 495	10.7	10.7
LOFTS 1757	10.3	10.3
S.D. CERT.	10.3	10.3
WABASH	10.3	10.3
A-34	9.7	9.7
DESTINY	9.7	9.7
ABLE I	8.7	8.7
AMAZON	8.7	8.7
DAWN	8.7	8.7
NE 80-88	8.7	8.7
ANNIKA	8.3	8.3
BARZAN	8.3	8.3
BRISTOL	8.3	8.3
IKONE	8.3	8.3
MONOPOLY	8.3	8.3
NASSAU	8.3	8.3
SOMERSET	8.3	8.3
ASSET	8.0	8.0
BA 72-441 (ABBAY)	8.0	8.0
COMPACT	7.7	7.7
WW AG 468	6.3	6.3
LSD VALUE	6.1	6.1

- 1/ SOD STRENGTH MEASURED IN KILOGRAMS OF TENSION  
 NEEDED TO TEAR SOD. DATA COLLECTED SEPTEMBER 3, 1986.  
 REDUCED SOD STRENGTH WAS A RESULT OF SUMMER STRESS  
 ON UNIRRIGATED TURF.
- 2/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,  
 SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER  
 THAN THE CORRESPONDING LSD VALUE (LSD 0.05).