

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 National Turfgrass Federation, Inc. 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, one member from the American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. The program does 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.

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LOCATIONS SUBMITTING DATA FOR 1993

<u>State</u>	<u>Location</u>	<u>Code</u>
Colorado	Fort Collins	CO1
District of Columbia	Washington Monument Grounds	DC1
Idaho	Rathdrum	ID3
Illinois	Carbondale	IL2
Iowa	Ames	IA1
Kansas	Wichita	KS2
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Missouri	St. Louis	MO3
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Pittstown	NJ2
Oregon	Hubbard	OR1
Pennsylvania	University Park (mowed six times in 1993)	PA1
Rhode Island	Kingston	RI1
Virginia	Norton	VA6
Washington	Pullman	WA1

1990 NATIONAL KENTUCKY BLUEGRASS TEST

(Low Maintenance)

Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	Monopoly	Peterson Seed Company	36	PST-YQ	Pure-Seed Testing, Inc.
2	Merit	Full Circle, Inc.	37	PST-A7-111	Pure-Seed Testing, Inc.
3	Park	Norfarm Seeds	38	Liberty	Zajac Performance Seeds
4	Kyosti	Norfarm Seeds	39	Suffolk	Loft's Seed, Inc.
5	Baron	Barenbrug Holland	40	Amazon	Jacklin Seed Company
6	Barzan	Barenbrug Holland	41	Destiny	Jonathan Green & Son
7	Barsweet	Barenbrug Holland	42	Banjo (H76-1034)	International Seeds, Inc.
8	Bartitia	Barenbrug Holland	43	Washington	Cascade Inter./Jon. Green
9	BAR VB 852	Barenbrug Holland	44	Freedom	Jacklin Seed Company
10	BAR VB 985 (Baronie)	Barenbrug Holland	45	Merion	-
11	Minnfine (MN 2405)	Univ. of Minnesota	46	NuStar	Jacklin Seed Company
12	Bronco	Pickseed West	47	J-335	Jacklin Seed Company
13	Crest	Pickseed West	48	J-386	Jacklin Seed Company
14	Ba 78-376	O. M. Scott & Son	49	NuBlue (J-229)	Medalist America
15	Ba 74-017	O. M. Scott & Son	50	Haga	E. F. Burlingham & Son
16	GEN-RSP	Genesis Group	51	Opal	E. F. Burlingham & Son
17	NJIC	Rutgers Univ.- C. R. Funk	52	SR 2000	Seed Research of Oregon
18	NE 80-47	Smith Seed Services	53	Gnome	Turf Merchants
19	Fortuna	Cebeco Handelsraad	54	Chelsea	Turf Merchants
20	Miracle	Cebeco Handelsraad	55	Cobalt	Turf Merchants
21	ISI-21	International Seeds, Inc.	56	KWS Pp 13-2	Turf Merchants
22	Sophia	Advanta Seeds West, Inc.	57	BAR VB 1169	Barenbrug Holland
23	Cynthia	Advanta Seeds West, Inc.	58	Barcelona (BAR VB 1184)	Barenbrug Holland
24	EVB 13.703	International Seeds, Inc.	59	Barmax (BAR VB 7037)	Barenbrug Holland
25	EVB 13.863	International Seeds, Inc.	60	Kenblue	-
26	Ram-1	Loft's Seed, Inc.	61	South Dakota Cert.	-
27	Belmont (798)	Loft's Seed, Inc.	62	Alene	Seeds, Inc.
28	Unknown	-			
29	ZPS-84-749	Zajac Performance Seeds			
30	Livingston	Turf-Seed, Inc.			
31	PST-C-391	Pure-Seed Testing, Inc.			
32	Voyager	Turf-Seed, Inc.			
33	PST-C-303	Pure-Seed Testing, Inc.			
34	Midnight	Turf-Seed, Inc.			
35	Unique (PST-C-76)	Turf-Seed, Inc.			

TABLE A.

1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1990 NATIONAL KENTUCKY BLUEGRASS TEST (LOW MAINTENANCE)

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
CO1	SANDY CLAY LOAM	7.6-8.5	0-60	501+	3.1-4.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
DC1	-	-	-	-	-	-	-	-
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
ID3	SILT LOAM AND SILT	7.1-7.5	61-150	501+	0.0-1.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	271-450	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
KS2	SANDY CLAY LOAM	6.6-7.0	61-150	241-375	1.1-2.0	FULL SUN	3.1-3.5	ONLY DURING SEVERE STRESS
MD1	SANDY LOAM	6.6-7.0	451+	0-150	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
MO3	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
NE1	SANDY CLAY LOAM	6.6-7.0	151-270	376-500	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NJ1	LOAM	6.6-7.0	61-150	151-240	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
NJ2	SILT LOAM AND SILT	5.6-6.0	0-60	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
OR1	SILT LOAM AND SILT	5.6-6.0	151-270	241-375	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
PA1	SILT LOAM AND SILT	6.1-6.5	151-270	-	0.0-1.0	FULL SUN	3.6-4.0	NO IRRIGATION
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
UB1	SILT LOAM AND SILT	5.6-6.0	61-150	0-150	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
VA6	SANDY CLAY	6.6-7.0	151-270	151-240	2.1-3.0	FULL SUN	-	NO IRRIGATION
WA1	SILT LOAM AND SILT	6.1-6.5	451+	501+	1.1-2.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	JANUARY QUALITY RATING	MARCH QUALITY RATINGS	APRIL QUALITY RATINGS	MAY QUALITY RATINGS	JUNE QUALITY RATINGS	JULY QUALITY RATINGS	AUGUST QUALITY RATINGS	SEPTEMBER QUALITY RATINGS	OCTOBER QUALITY RATINGS	NOVEMBER QUALITY RATINGS	DECEMBER QUALITY RATINGS	GENETIC COLOR RATINGS	SPRING GREENUP RATINGS
CO1				X	X	X	X	X	X	X	X		
DC1				X	X	X	X	X	X	X			
IA1				X	X	X	X	X	X				
ID3							X			X		X	X
IL2			X	X	X	X	X	X					
KS2						X							
MD1			X	X					X		X		
MO3			X	X	X	X	X	X	X	X		X	
NE1				X	X		X	X				X	X
NJ1	X		X	X	X	X		X	X	X	X		
NJ2				X		X	X		X				
OR1		X	X	X	X	X							
PA1			X		X		X	X		X		X	X
RI1				X	X	X	X	X	X	X			X
UB1			X	X	X	X	X	X	X	X			X
VA6			X	X	X		X	X	X	X			X
WA1			X	X		X							

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	LEAF TEXTURE RATINGS	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	FUSARIUM PATCH	LEAF SPOT
CO1								X	X	X		
DC1												
IA1												
ID3					X			X			X	
IL2												
KS2												
MD1									X			
MO3	X	X	X	X	X	X	X					
NE1												
NJ1								X		X		
NJ2												X
OR1												
PA1												
RI1												
UB1							X		X			
VA6												
WA1												

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	RED THREAD AVERAGE	LEAF RUST	NECROTIC COUNTS	RED THREAD JUNE	RED THREAD AUGUST	RED THREAD SEPTEMBER	RED THREAD OCTOBER	FALL RECOVERY	FLOOD RECOVERY	SEEDHEAD RATINGS
CO1										
DC1										
IA1										
ID3		X	X							
IL2										
KS2										
MD1										
MO3										
NE1									X	
NJ1								X		X
NJ2										
OR1										
PA1										
RI1										
UB1										
VA6	X			X	X	X	X			
WA1										

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
AT SEVENTEEN LOCATIONS IN THE UNITED STATES
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																	
	CO1	DC1	IA1	ID3	IL2	KS2	MD1	MO3	NE1	NJ1	NJ2	OR1	PA1	RI1	UB1	VA6	WA1	MEAN
BAR VB 852	5.4	2.9	6.7	3.8	6.1	1.3	5.3	5.5	6.9	5.3	5.4	5.3	3.6	4.6	6.2	4.0	4.4	4.9
ISI-21	6.0	4.0	7.1	3.8	5.3	2.5	5.7	5.5	7.0	6.0	4.7	4.0	3.6	4.4	4.8	3.9	4.1	4.8
* SOPHIA	5.8	2.4	6.2	4.3	5.5	3.0	5.3	5.2	5.4	4.9	5.6	4.7	3.1	4.8	5.7	5.1	4.8	4.8
GEN-RSP	5.0	5.5	6.5	3.2	5.4	2.3	5.5	5.3	6.5	5.2	4.2	4.5	3.7	4.7	4.9	4.0	4.6	4.8
NJIC	5.3	2.4	6.2	4.0	4.9	4.0	5.5	5.0	6.6	5.0	4.2	5.2	3.2	4.1	5.0	4.5	5.2	4.7
* MIDNIGHT	5.4	2.0	5.8	5.3	5.8	1.7	5.3	7.1	6.0	6.5	4.8	4.7	2.5	4.0	4.4	4.5	4.6	4.7
* VOYAGER	5.8	3.4	6.6	3.7	5.8	2.7	5.5	5.2	6.3	4.7	4.5	4.7	3.1	4.7	4.3	4.4	5.0	4.7
J-335	5.5	2.7	6.2	5.3	5.3	3.0	5.3	5.0	6.2	5.0	4.8	4.2	3.0	4.7	4.6	4.6	5.0	4.7
* BARTITIA	5.3	2.0	6.3	5.7	5.1	3.0	5.1	4.5	6.7	5.3	5.8	4.2	2.5	4.9	4.1	4.7	5.0	4.7
* COBALT	5.5	2.0	5.9	5.3	5.6	2.7	5.2	5.0	5.7	5.9	5.4	4.1	3.0	5.0	3.9	4.8	4.8	4.7
BAR VB 1169	6.0	3.0	6.1	5.2	5.2	2.3	5.4	5.0	6.2	5.2	4.8	4.4	2.9	4.6	4.7	4.3	4.3	4.7
PST-YQ	5.8	2.6	6.4	4.2	5.5	1.0	5.5	5.3	5.4	5.3	4.8	5.3	3.4	4.6	4.9	5.0	4.8	4.7
* NUSTAR	5.4	2.6	5.9	5.2	5.2	2.7	5.8	4.8	5.9	4.7	5.0	3.7	2.9	4.9	5.1	5.2	4.6	4.7
* RAM-1	4.4	1.6	6.1	6.0	4.9	3.0	5.1	5.0	5.1	5.2	5.8	4.0	2.7	5.6	5.5	5.1	4.4	4.7
* HAGA	5.2	3.1	5.9	5.5	5.2	4.3	5.6	5.0	5.9	4.4	4.0	4.5	2.9	4.4	3.8	4.1	4.7	4.6
* MONOPOLY	4.9	5.5	6.7	4.7	4.6	3.0	5.2	4.7	5.7	4.3	4.8	3.1	2.7	4.7	4.5	5.1	4.2	4.6
* BELMONT (798)	5.5	2.4	5.7	5.7	5.4	1.0	5.1	6.0	5.6	5.5	5.4	3.7	3.1	4.7	4.1	4.4	4.9	4.6
* WASHINGTON	5.5	2.0	6.4	5.0	5.2	2.0	5.4	4.4	5.8	4.4	5.3	3.9	3.3	5.3	5.0	4.5	4.6	4.6
BARONIE (BAR VB 985)	5.8	3.3	6.3	4.3	4.9	1.3	5.3	4.8	6.0	6.0	4.8	4.5	2.7	4.3	3.3	4.9	5.0	4.6
* SR 2000	5.7	2.2	6.2	4.3	4.8	2.3	5.5	5.4	6.0	5.7	4.3	3.7	3.2	5.1	3.9	4.8	4.3	4.6
* UNIQUE (PST-C-76)	6.5	2.2	5.8	3.2	5.4	3.3	5.4	5.8	6.0	5.1	4.5	3.8	3.1	4.3	3.7	5.0	4.2	4.6
* FREEDOM	5.0	3.2	6.3	5.3	4.6	3.0	5.1	4.8	6.2	5.7	4.2	3.7	2.7	4.2	4.0	4.6	4.8	4.5
BARMAX (BAR VB 7037)	5.2	2.2	6.7	3.3	4.8	2.0	5.4	4.9	5.9	3.4	5.2	4.2	3.5	5.0	5.6	5.0	4.9	4.5
* MERIT	5.0	2.1	5.8	5.3	5.2	2.0	5.2	5.4	5.3	3.9	5.3	3.7	2.9	4.6	4.9	5.5	4.9	4.5
EVB 13.703	5.5	2.1	5.6	6.5	5.7	1.0	4.6	4.0	5.3	6.1	4.8	3.7	3.2	4.5	4.7	5.0	4.8	4.5
BARCELONA (BAR VB 1184)	5.2	1.8	6.2	5.7	4.3	1.0	4.7	5.6	6.0	6.1	5.0	5.0	2.9	4.8	3.3	4.5	4.7	4.5
* OPAL	5.4	2.1	6.1	4.7	5.3	1.0	5.3	6.0	6.3	4.7	5.0	3.8	3.0	4.2	4.8	4.2	4.7	4.5
* BARON	4.9	1.8	5.7	5.8	4.9	2.3	5.1	5.5	5.8	4.3	5.0	3.3	3.1	5.0	3.8	5.2	5.1	4.5
* LIBERTY	4.9	3.2	6.1	6.0	5.2	2.7	5.0	4.8	5.7	5.6	4.1	3.9	2.5	4.4	3.0	5.0	4.6	4.5
* CREST	5.0	1.8	5.6	5.8	5.2	1.3	5.0	5.3	5.7	5.1	5.4	3.5	3.3	5.0	4.3	4.2	4.8	4.5
* LIVINGSTON	5.7	2.0	6.2	4.0	5.1	1.7	5.6	4.7	5.9	5.7	5.1	4.1	2.7	4.5	3.6	4.9	4.8	4.5
* NUBLUE (J-229)	4.7	2.3	6.3	5.7	6.1	3.0	5.0	5.1	6.0	4.1	4.8	3.6	2.5	4.2	3.0	4.8	4.9	4.5
J-386	4.7	2.7	5.8	3.3	5.9	2.7	5.0	4.1	5.8	4.2	5.5	3.5	3.1	4.8	5.3	5.0	4.7	4.5
* CYNTHIA	4.6	2.4	6.6	5.2	5.2	2.3	4.9	5.0	5.2	4.2	5.1	3.3	3.3	4.7	4.6	4.3	4.6	4.4
* DESTINY	5.4	2.3	5.9	5.5	5.2	1.3	4.8	5.3	4.8	5.6	4.4	3.7	3.2	4.7	3.8	4.0	4.8	4.4
PST-C-391	5.3	3.8	5.9	4.7	4.9	1.0	5.1	5.3	5.8	5.3	4.3	3.8	2.7	4.2	3.1	4.6	4.7	4.4
NE 80-47	5.0	2.0	5.6	4.2	5.3	2.0	5.3	4.5	5.8	4.5	4.7	4.8	2.9	4.6	3.8	4.6	4.9	4.4
* GNOME	5.2	1.8	5.7	5.2	5.3	1.3	4.9	5.5	5.4	3.5	5.5	3.7	3.3	4.8	4.1	4.9	4.2	4.4
BA 74-017	4.9	1.6	5.6	5.2	4.6	1.3	4.8	5.2	5.7	4.7	5.3	3.8	3.4	4.5	4.3	4.8	4.6	4.4
* FORTUNA	4.7	1.8	5.3	5.2	4.9	2.0	4.8	5.6	5.6	3.9	5.5	3.7	3.5	4.4	4.1	3.8	5.0	4.3
UNKNOWN	4.3	1.5	4.7	6.0	5.0	1.0	5.0	5.5	5.2	4.3	5.6	3.5	3.3	4.6	4.7	4.4	5.0	4.3
EVB 13.863	4.9	2.5	5.8	4.0	4.2	1.0	5.3	4.3	5.7	4.4	5.1	4.7	2.9	4.8	4.8	4.5	4.8	4.3
* BRONCO	4.7	1.7	6.3	4.2	5.2	2.0	4.7	5.0	5.1	4.2	4.9	4.1	3.1	4.3	4.4	5.0	4.6	4.3
BARSWEEP	5.0	2.3	6.1	4.3	4.9	1.0	5.1	4.9	6.8	5.6	4.9	2.9	2.7	4.4	3.7	4.0	4.6	4.3
* SUFFOLK	5.1	3.3	6.0	3.8	4.8	1.5	5.3	4.9	6.0	5.3	4.2	4.9	2.9	4.1	2.6	3.6	4.8	4.3

TABLE 1.
(CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
AT SEVENTEEN LOCATIONS IN THE UNITED STATES
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																	
	CO1	DC1	IA1	ID3	IL2	KS2	MD1	MO3	NE1	NJ1	NJ2	OR1	PA1	RI1	UB1	VA6	WA1	MEAN
* AMAZON	4.1	1.8	6.3	4.2	4.3	2.0	4.6	4.5	6.3	4.9	4.7	4.5	2.9	4.6	4.5	4.3	4.7	4.3
PST-C-303	5.4	2.7	6.2	4.2	5.1	1.0	5.3	4.5	5.4	5.7	4.3	4.3	2.9	4.2	3.3	3.9	4.7	4.3
* KENBLUE	3.9	3.1	6.7	2.5	5.3	4.0	5.4	5.2	5.8	2.6	3.1	4.7	2.7	4.8	5.0	4.2	3.9	4.3
* KYOSTI	4.5	1.7	5.3	3.5	4.9	1.7	4.8	5.1	5.2	4.2	4.8	4.7	3.1	4.6	4.2	5.1	5.0	4.3
* BANJO (H76-1034)	4.7	2.0	6.4	3.8	5.3	4.0	5.1	4.4	5.6	3.8	4.1	3.7	3.1	4.9	3.4	3.9	4.3	4.3
* ALENE	4.3	1.8	6.8	4.0	5.2	4.0	5.3	4.7	5.8	3.0	3.4	4.1	2.9	4.6	4.7	3.6	4.2	4.3
ZPS-84-749	4.4	1.9	6.3	3.7	5.9	1.7	5.8	4.9	5.8	2.9	4.6	2.9	2.7	4.8	5.6	4.1	4.2	4.2
* MERION	5.5	2.4	5.6	4.8	5.3	1.0	3.8	4.5	5.3	4.3	4.3	4.2	3.0	4.9	4.4	4.7	4.2	4.2
* MIRACLE	4.6	2.0	6.7	6.8	5.1	1.0	4.3	3.7	5.9	3.1	5.1	4.1	3.3	4.3	3.5	3.5	5.0	4.2
PST-A7-111	3.8	1.4	6.1	3.7	5.6	5.7	4.8	4.0	5.6	2.9	3.4	3.5	3.2	4.5	5.3	4.0	4.6	4.2
* CHELSEA	4.5	2.0	5.8	4.7	5.5	2.0	4.6	4.3	5.1	4.4	4.6	3.2	3.0	4.5	4.6	5.4	3.3	4.2
* BARZAN	4.9	2.1	6.6	5.0	4.8	3.3	4.8	3.6	4.7	3.8	3.8	3.6	3.0	5.2	3.5	3.7	3.9	4.1
* PARK	4.1	2.0	6.6	2.8	4.1	3.7	4.6	4.1	6.2	3.2	4.0	3.8	3.1	4.1	5.0	4.3	4.0	4.1
MINNFINE (MN 2405)	3.6	2.2	6.2	2.2	4.9	5.0	5.1	4.5	5.3	2.5	2.6	4.6	3.3	4.4	4.8	3.3	3.6	4.0
KWS PP 13-2	5.2	2.0	5.6	4.5	5.4	1.3	4.8	3.4	5.0	4.1	4.3	3.6	3.0	4.2	2.7	4.5	4.6	4.0
* SOUTH DAKOTA CERT.	3.6	1.7	6.1	2.5	4.6	2.7	5.1	4.5	5.4	2.7	3.6	3.9	2.9	4.7	5.0	4.1	4.0	3.9
BA 78-376	4.2	1.4	6.3	2.8	4.1	4.0	4.1	3.3	5.3	2.9	4.3	4.0	2.9	4.5	4.7	4.0	3.8	3.9
LSD VALUE	0.9	0.8	0.8	2.0	0.9	2.1	1.1	0.9	0.9	1.0	0.9	1.4	0.5	0.7	1.2	1.3	0.9	0.3

* COMMERCIALY AVAILABLE IN THE USA IN 1994

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 (LOW MAINTENANCE) CULTIVARS FOR EACH MONTH GROWN AT SEVENTEEN LOCATIONS IN THE UNITED STATES
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/											MEAN
	JAN	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ISI-21	6.0	4.7	4.3	5.2	4.8	4.9	5.0	5.4	5.4	5.0	6.4	4.9
BAR VB 852	5.0	4.7	4.9	5.5	5.6	4.9	5.2	4.8	5.1	4.5	5.1	4.9
SOPHIA	6.0	3.3	4.3	5.0	5.5	5.2	5.1	4.6	5.4	4.4	4.0	4.8
BARTITIA	6.7	3.7	4.1	5.2	5.5	4.8	4.4	4.2	4.9	4.3	4.2	4.8
GEN-RSP	7.3	4.7	4.3	4.8	4.7	4.4	5.1	5.2	5.8	5.3	4.9	4.8
BELMONT (798)	5.3	3.3	4.4	5.1	5.3	4.7	4.4	4.4	5.1	4.8	4.8	4.7
NJIC	5.0	5.7	4.5	4.7	4.7	4.7	4.6	5.0	5.1	4.7	5.1	4.7
MIDNIGHT	6.7	4.7	4.6	5.4	5.1	4.5	4.7	4.4	5.5	4.9	5.2	4.7
VOYAGER	4.0	4.3	4.7	4.9	4.8	4.9	4.8	4.9	5.2	4.7	5.1	4.7
J-335	5.3	3.7	4.7	5.4	5.1	4.5	4.7	4.2	4.7	4.6	5.2	4.7
RAM-1	7.3	3.7	4.3	4.9	5.1	5.0	4.7	4.2	5.0	4.8	3.4	4.7
COBALT	5.7	4.7	4.5	5.1	5.1	4.6	4.6	4.4	4.9	4.7	5.1	4.7
BAR VB 1169	5.7	3.7	4.8	5.1	5.1	4.6	4.7	4.4	4.9	4.5	5.7	4.7
PST-YQ	5.3	5.7	4.8	5.2	4.9	4.6	4.9	4.4	5.2	5.0	5.6	4.7
NUSTAR	5.0	4.0	4.3	5.1	5.1	4.5	4.6	4.2	5.2	4.8	4.7	4.7
MONOPOLY	5.3	3.3	4.0	4.9	4.7	4.5	4.8	4.7	5.5	4.7	4.3	4.6
HAGA	6.0	4.3	4.2	4.8	4.9	4.6	4.4	4.0	4.5	4.5	5.3	4.6
FREEDOM	7.7	3.7	4.2	5.1	4.9	4.5	4.2	4.0	4.6	5.0	5.3	4.6
OPAL	3.7	4.0	4.3	5.2	5.2	4.5	4.8	4.2	4.8	4.3	4.8	4.6
EVB 13.703	6.3	3.7	4.9	5.1	5.2	4.2	4.1	4.2	4.7	4.8	4.6	4.6
WASHINGTON	5.0	3.3	4.6	5.0	4.8	4.6	4.8	4.3	4.8	4.4	4.0	4.6
BARONIE (BAR VB 985)	6.3	4.7	4.7	5.0	5.1	4.2	4.1	4.5	5.0	4.9	5.7	4.6
SR 2000	5.3	4.3	4.6	5.0	5.1	4.3	4.4	4.5	5.0	4.7	5.1	4.6
UNIQUE (PST-C-76)	3.7	4.3	4.5	5.0	4.8	4.6	4.5	4.8	5.0	4.3	5.0	4.6
BARMAX (BAR VB 7037)	2.7	4.0	4.6	4.9	5.0	4.6	4.7	4.6	5.0	4.3	4.0	4.5
MERIT	2.0	3.0	4.5	4.9	4.9	4.3	4.5	4.4	5.1	4.7	3.8	4.5
BARCELONA (BAR VB 1184)	6.3	4.7	4.1	4.9	5.2	4.5	4.3	4.5	4.8	4.4	4.8	4.5
BARON	3.0	3.3	4.6	4.6	4.9	4.5	4.6	4.1	4.6	4.6	3.9	4.5
NUBLUE (J-229)	6.0	4.7	4.3	4.8	4.8	4.3	4.4	3.7	4.4	4.2	4.3	4.5
CREST	2.0	3.7	4.6	4.8	4.7	4.5	4.6	4.3	4.8	4.8	4.2	4.5
LIVINGSTON	6.0	4.3	4.3	4.7	4.8	4.4	4.5	4.3	4.9	4.7	5.1	4.5
LIBERTY	7.0	3.3	4.1	4.9	5.1	4.5	4.2	4.0	4.6	4.5	4.8	4.5
J-386	3.3	4.0	4.4	4.8	4.9	4.5	4.6	4.3	4.6	4.5	4.2	4.5
BARSWEET	6.0	2.7	4.4	5.2	5.3	4.3	4.2	3.8	4.6	3.9	4.0	4.4
CYNTHIA	6.3	2.7	4.2	4.9	5.1	4.2	4.3	4.2	4.7	4.3	4.1	4.4
NE 80-47	4.3	5.3	4.5	5.0	4.6	4.1	4.0	4.2	4.7	4.4	4.3	4.4
EVB 13.863	5.0	4.3	4.3	4.8	5.0	4.3	4.1	4.0	4.7	4.6	3.9	4.4
DESTINY	6.0	4.3	4.5	4.7	5.1	4.4	4.0	4.2	4.7	4.4	4.8	4.4
PST-C-391	6.0	3.7	4.4	4.9	5.0	4.3	4.3	4.0	4.6	4.7	5.0	4.4
MIRACLE	5.0	4.3	4.3	4.5	4.8	4.2	4.3	3.6	3.6	3.9	3.1	4.4
GNOME	2.0	4.0	4.2	4.5	4.8	4.4	4.7	4.1	4.7	4.4	3.8	4.4
SUFFOLK	7.3	4.7	4.4	4.8	4.9	4.4	3.9	3.9	4.3	4.2	5.1	4.4
BA 74-017	2.0	3.3	4.6	4.7	5.0	4.2	4.4	4.1	4.4	4.5	4.3	4.4
AMAZON	3.7	4.0	4.3	5.0	5.2	4.2	4.0	3.9	4.5	4.0	3.2	4.3
FORTUNA	1.7	4.7	4.4	4.5	4.8	4.3	4.6	4.0	4.3	4.0	3.7	4.3

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS FOR
 (CONTINUED) EACH MONTH GROWN AT SEVENTEEN LOCATIONS IN THE UNITED STATES
 1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS											MEAN
	JAN	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
UNKNOWN	2.3	3.7	4.4	4.7	4.7	4.2	4.5	4.1	4.6	4.3	4.0	4.3
BRONCO	3.3	4.3	4.1	4.6	4.9	4.4	4.6	4.2	4.6	4.0	3.7	4.3
MERION	2.0	4.0	4.2	4.6	4.6	4.6	4.4	4.3	4.6	4.4	3.9	4.3
PST-C-303	7.3	4.3	4.4	4.8	4.6	4.1	3.9	4.1	4.7	4.4	5.6	4.3
KENBLUE	3.3	5.3	3.7	4.3	4.3	4.4	4.4	4.2	4.9	4.5	3.8	4.3
KYOSTI	2.7	5.0	4.2	4.8	4.9	4.4	4.3	4.2	4.4	4.2	3.4	4.3
BANJO (H76-1034)	4.0	4.0	3.9	4.2	4.3	4.5	4.4	4.1	4.4	4.0	4.4	4.3
ALENE	3.7	5.3	3.6	4.2	4.1	4.1	4.4	4.2	4.7	4.4	4.0	4.3
ZPS-84-749	3.3	3.3	4.2	4.6	4.5	4.2	4.7	4.1	4.7	4.1	3.7	4.2
PST-A7-111	3.0	3.7	4.0	4.5	4.3	4.2	4.1	4.0	4.1	3.9	3.1	4.2
CHELSEA	4.7	2.7	4.3	4.6	4.8	4.2	4.1	3.8	4.4	4.6	3.9	4.2
BARZAN	8.3	3.3	3.4	4.2	4.5	4.1	4.1	3.7	4.4	4.2	3.9	4.1
PARK	2.3	4.3	4.1	4.3	4.3	4.1	4.1	4.1	4.3	3.9	3.9	4.1
MINNFINE (MN 2405)	1.7	5.0	3.9	4.1	4.2	4.0	4.0	4.0	4.3	3.6	3.0	4.0
KWS PP 13-2	3.7	3.3	4.2	4.5	4.5	3.9	3.9	3.6	3.9	3.9	3.9	4.0
SOUTH DAKOTA CERT. BA 78-376	2.0	4.3	3.8	3.9	4.1	3.9	4.1	4.0	4.5	4.1	3.7	3.9
LSD VALUE	1.7	1.6	0.8	0.7	0.8	0.7	0.7	0.8	0.8	1.0	1.2	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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE)
CULTIVARS AT SEVENTEEN LOCATIONS IN THE UNITED STATES 1/
1993 DATA

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

NAME	CO1	DC1	IA1	ID3	IL2	KS2	MD1	MO3	NE1	NJ1	NJ2	OR1	PA1	RI1	UB1	VA6	WA1	MEAN
BAR VB 852	16.0	13.0	5.5	47.5	2.0	47.0	18.5	7.5	2.0	17.5	9.5	1.5	2.5	34.5	1.0	51.0	44.5	1
ISI-21	2.0	3.0	1.0	47.5	18.5	25.0	3.0	9.5	1.0	4.0	36.0	30.0	2.5	45.5	20.0	54.5	55.0	2
SOPHIA	5.5	23.0	29.0	34.5	11.0	15.0	24.0	20.0	46.0	27.5	3.5	11.5	27.5	15.0	2.0	7.0	20.5	3
GEN-RSP	31.5	2.0	12.0	56.5	16.0	28.0	8.0	17.5	6.0	22.0	50.5	15.5	1.0	21.5	14.0	49.0	36.5	4
NJIC	22.0	20.5	25.5	43.5	41.5	6.0	8.0	26.0	5.0	25.0	50.5	3.0	17.0	59.0	11.5	30.5	1.0	5
MIDNIGHT	18.0	40.0	50.0	16.0	6.0	40.5	18.5	1.0	17.0	1.0	28.0	8.5	62.0	62.0	32.5	34.0	36.5	6
VOYAGER	5.5	5.0	9.0	51.0	5.0	21.5	8.0	20.0	8.0	31.5	40.5	8.5	21.5	21.5	34.0	37.0	6.5	7
J-335	11.0	15.5	29.0	16.0	23.5	15.0	18.5	31.5	11.5	26.0	32.5	21.5	33.0	25.5	27.5	27.5	6.5	8
BARTITIA	24.0	43.5	17.5	9.5	38.5	15.0	34.5	44.5	4.0	15.5	1.0	21.5	61.0	9.5	38.5	23.5	6.5	9
COBALT	11.0	40.0	40.0	16.0	8.0	21.5	28.0	29.0	36.5	6.0	9.5	27.5	33.0	6.0	43.0	21.5	20.5	10
BAR VB 1169	3.0	12.0	32.0	21.5	30.0	28.0	13.0	29.0	11.5	20.0	28.0	18.0	46.5	29.5	24.0	38.5	47.0	11
PST-YQ	5.5	17.0	13.5	39.0	11.0	56.5	8.0	17.5	46.0	15.5	32.5	1.5	6.5	34.5	15.5	9.5	20.5	12
NUSTAR	20.5	18.0	44.0	21.5	26.5	21.5	1.5	39.5	23.0	31.5	21.5	47.0	40.0	9.5	8.0	3.0	36.5	13
RAM-1	52.0	59.0	37.0	4.0	48.0	15.0	34.5	31.5	58.0	21.0	2.0	30.0	56.0	1.0	5.0	5.5	44.5	14
HAGA	27.5	11.0	43.0	12.5	33.5	3.0	4.5	26.0	23.0	34.0	55.5	17.0	40.0	43.5	47.5	46.0	29.0	15
MONOPOLY	41.0	1.0	5.5	29.5	55.0	15.0	28.0	41.5	36.5	39.5	28.0	60.0	56.0	25.5	29.0	5.5	50.5	16
BELMONT (798)	11.0	23.0	53.0	9.5	13.0	56.5	34.5	3.0	41.5	14.0	9.5	47.0	24.5	21.5	41.0	35.5	13.0	17
WASHINGTON	14.0	40.0	15.0	25.5	26.5	34.5	13.0	51.5	26.5	35.0	14.0	32.0	12.0	2.0	13.0	30.5	42.5	18
BARONIE (BAR VB 985)	5.5	6.5	17.5	34.5	44.5	47.0	24.0	37.5	17.0	5.0	32.5	15.5	51.5	51.0	57.0	16.0	6.5	19
SR 2000	9.0	30.0	29.0	34.5	51.0	28.0	8.0	12.5	17.0	7.0	44.0	47.0	17.0	4.0	44.0	19.0	47.0	20
UNIQUE (PST-C-76)	1.0	30.0	48.0	56.5	14.5	10.5	13.0	4.0	17.0	23.0	40.5	36.0	21.5	49.0	49.5	14.0	50.5	21
FREEDOM	33.0	9.0	20.5	16.0	54.0	15.0	34.5	39.5	11.5	9.0	50.5	42.5	56.0	54.0	42.0	25.5	20.5	22
BARMAX (BAR VB 7037)	27.5	28.0	3.0	54.5	53.0	34.5	13.0	35.0	23.0	53.0	15.0	21.5	4.5	6.0	3.0	11.0	13.0	23
MERIT	36.0	34.5	48.0	16.0	30.0	34.5	28.0	12.5	50.0	48.0	12.5	42.5	40.0	34.5	15.5	1.0	13.0	24
EV3 13.703	15.0	34.5	55.5	2.0	7.0	56.5	57.5	57.5	52.5	2.5	32.5	47.0	17.0	39.5	24.0	9.5	20.5	25
BARCELONA (BAR VB 1184)	25.0	49.5	24.0	9.5	58.0	56.5	54.5	5.0	17.0	2.5	21.5	4.0	46.5	15.0	55.5	33.0	29.0	26
OPAL	18.0	32.5	37.0	29.5	18.5	56.5	18.5	2.0	8.0	29.0	21.5	36.0	33.0	57.0	18.0	42.0	29.0	27
BARON	41.0	53.5	52.0	6.5	44.5	28.0	34.5	7.5	30.5	41.0	21.5	57.0	21.5	6.0	45.0	4.0	2.0	28
LIBERTY	38.0	8.0	34.5	4.0	33.5	21.5	42.0	37.5	36.5	12.5	53.5	33.5	60.0	47.5	59.0	12.5	36.5	29
CREST	35.0	52.0	57.5	6.5	33.5	47.0	42.0	14.5	36.5	24.0	9.5	54.5	12.0	8.0	35.0	43.5	20.5	30
LIVINGSTON	8.0	36.5	29.0	43.5	38.5	40.5	4.5	43.0	23.0	9.0	17.5	24.5	56.0	39.5	51.0	18.0	20.5	31
NUBLUE (J-229)	43.0	25.5	20.5	9.5	1.0	15.0	42.0	23.0	17.0	46.0	28.0	51.0	59.0	57.0	60.0	21.5	13.0	32
J-386	46.0	15.5	45.5	54.5	4.0	21.5	42.0	55.5	30.5	45.0	6.0	56.0	21.5	18.0	7.0	15.0	29.0	33
CYNTHIA	48.0	20.5	10.5	21.5	26.5	28.0	45.5	29.0	55.0	43.0	17.5	58.0	12.0	21.5	27.5	38.5	36.5	34
DESTINY	20.5	27.0	41.5	12.5	26.5	47.0	50.5	14.5	61.0	12.5	42.0	40.0	17.0	25.5	47.5	49.0	20.5	35
PST-C-391	23.0	4.0	41.5	29.5	44.5	56.5	34.5	16.0	30.5	19.0	44.0	38.5	56.0	54.0	58.0	25.5	29.0	36
NE 80-47	31.5	40.0	55.5	39.0	21.5	34.5	24.0	46.5	30.5	33.0	36.0	6.0	40.0	29.5	46.0	27.5	13.0	37
GNOME	27.5	53.5	51.0	21.5	18.5	47.0	45.5	11.0	46.0	52.0	6.0	47.0	8.5	18.0	40.0	17.0	50.5	38
BA 74-017	38.0	58.0	59.0	21.5	56.5	47.0	50.5	20.0	36.5	30.0	12.5	38.5	6.5	39.5	36.0	20.0	42.5	39
FORTUNA	46.0	49.5	61.0	21.5	48.0	34.5	47.0	6.0	41.5	49.0	6.0	42.5	4.5	47.5	38.5	57.0	6.5	40
UNKNOWN	55.0	60.0	62.0	4.0	40.0	56.5	42.0	9.5	55.0	39.5	3.5	53.0	12.0	29.5	24.0	35.5	6.5	41
EV3 13.863	41.0	19.0	48.0	43.5	60.0	56.5	24.0	53.0	36.5	36.0	17.5	11.5	40.0	18.0	18.0	32.0	20.5	42
BRONCO	46.0	55.0	17.5	39.0	30.0	34.5	54.5	26.0	58.0	43.0	24.5	26.0	27.5	51.0	31.0	12.5	41.0	43
BARSWEEP	34.0	25.5	37.0	34.5	48.0	56.5	34.5	33.0	3.0	11.0	24.5	61.5	51.5	45.5	49.5	52.5	36.5	44
SUFFOLK	30.0	6.5	39.0	47.5	51.0	43.0	18.5	35.0	17.0	17.5	50.5	5.0	40.0	60.0	62.0	59.5	20.5	45

TABLE 3.
(CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE)
CULTIVARS AT SEVENTEEN LOCATIONS IN THE UNITED STATES
1993 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID3	IL2	KS2	MD1	MO3	NE1	NJ1	NJ2	OR1	PA1	RI1	UB1	VA6	WA1	MEAN
AMAZON	57.0	49.5	22.5	39.0	59.0	34.5	57.5	49.0	8.0	27.5	36.0	14.0	40.0	34.5	30.0	40.5	29.0	46
PST-C-303	18.0	14.0	29.0	39.0	37.0	56.5	18.5	46.5	46.0	9.0	47.0	19.0	46.5	54.0	55.5	54.5	29.0	47
KENBLUE	59.0	10.0	5.5	60.5	23.5	6.0	13.0	22.0	30.5	61.0	61.0	8.5	51.5	13.0	11.5	43.5	58.5	48
KYOSTI	50.0	56.5	60.0	53.0	41.5	40.5	50.5	24.0	55.0	43.0	28.0	8.5	24.5	29.5	37.0	8.0	6.5	49
BANJO (H76-1034)	44.0	36.5	13.5	47.5	21.5	6.0	34.5	51.5	41.5	51.0	53.5	42.5	27.5	11.5	54.0	56.0	47.0	50
ALENE	54.0	49.5	2.0	43.5	33.5	6.0	24.0	41.5	26.5	56.0	59.5	27.5	46.5	32.0	21.5	59.5	50.5	51
ZPS-84-749	53.0	47.0	17.5	51.0	3.0	40.5	1.5	35.0	30.5	57.5	38.5	61.5	51.5	15.0	4.0	47.0	53.5	52
MERION	13.0	23.0	54.0	27.0	18.5	56.5	62.0	49.0	52.5	38.0	47.0	21.5	33.0	11.5	32.5	23.5	53.5	53
MIRACLE	49.0	45.5	5.5	1.0	36.0	56.5	60.0	59.0	23.0	55.0	17.5	24.5	8.5	51.0	52.0	61.0	6.5	54
PST-A7-111	60.0	62.0	33.0	51.0	9.0	1.0	50.5	57.5	41.5	57.5	59.5	54.5	17.0	42.0	6.0	49.0	36.5	55
CHELSEA	51.0	40.0	45.5	29.5	11.0	34.5	57.5	54.0	58.0	37.0	38.5	59.0	33.0	37.0	26.0	2.0	62.0	56
BARZAN	38.0	32.5	10.5	25.5	51.0	10.5	50.5	60.0	62.0	50.0	57.0	51.0	33.0	3.0	53.0	58.0	58.5	57
PARK	58.0	43.5	8.0	58.5	62.0	9.0	57.5	55.5	11.5	54.0	55.5	36.0	27.5	61.0	9.5	40.5	56.5	58
MINNFINE (MN 2405)	61.5	30.0	25.5	62.0	44.5	2.0	34.5	49.0	50.0	62.0	62.0	13.0	12.0	43.5	18.0	62.0	61.0	59
KWS PP 13-2	27.5	45.5	57.5	32.0	14.5	47.0	50.5	61.0	60.0	47.0	44.0	51.0	33.0	57.0	61.0	29.0	36.5	60
SOUTH DAKOTA CERT.	61.5	56.5	34.5	60.5	56.5	21.5	34.5	44.5	46.0	60.0	58.0	33.5	46.5	25.5	9.5	45.0	56.5	61
BA 78-376	56.0	61.0	22.5	58.5	61.0	6.0	61.0	62.0	50.0	59.0	47.0	30.0	46.5	39.5	21.5	52.5	60.0	62

- 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. GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/											
NAME	ID3	MO3	NE1	PA1	MEAN	NAME	ID3	MO3	NE1	PA1	MEAN
MIDNIGHT	6.7	7.0	6.7	7.3	6.9	NUSTAR	4.3	6.0	6.0	5.3	5.4
UNIQUE (PST-C-76)	6.7	8.0	6.3	6.0	6.8	PST-YQ	3.0	8.0	5.7	4.7	5.3
UNKNOWN	7.0	7.0	6.7	6.0	6.7	SUFFOLK	3.3	7.0	6.0	5.0	5.3
BA 74-017	7.0	6.3	6.7	6.3	6.6	HAGA	2.7	7.0	6.3	5.3	5.3
DESTINY	7.3	6.3	6.7	6.0	6.6	MERION	4.0	6.0	6.0	5.3	5.3
FORTUNA	7.0	6.3	6.7	6.3	6.6	MONOPOLY	2.0	8.0	6.0	5.3	5.3
BELMONT (798)	5.3	7.3	6.3	7.0	6.5	J-386	3.7	5.0	6.3	6.0	5.3
MERIT	6.0	7.3	6.7	6.0	6.5	BARMAX (BAR VB 7037)	2.3	7.0	6.0	5.3	5.2
BARON	5.3	7.0	6.7	6.7	6.4	EVB 13.703	4.0	4.7	6.0	6.0	5.2
GNOME	7.0	6.0	6.7	6.0	6.4	EVB 13.863	3.0	5.7	6.0	6.0	5.2
KYOSTI	6.7	7.0	6.0	6.0	6.4	LIVINGSTON	3.7	6.0	5.3	5.7	5.2
BRONCO	4.3	8.7	6.3	5.7	6.3	PST-A7-111	4.7	5.0	6.0	5.0	5.2
CREST	6.3	6.3	6.3	6.0	6.3	WASHINGTON	2.0	7.0	5.7	5.3	5.0
OPAL	4.3	7.7	6.7	6.0	6.2	BARTITIA	4.3	3.3	6.0	6.0	4.9
LIBERTY	5.0	7.7	6.0	5.7	6.1	PARK	2.7	6.0	6.0	5.0	4.9
BARSWEET	5.0	6.3	6.7	6.3	6.1	BAR VB 852	1.3	8.0	5.3	4.3	4.8
RAM-1	6.3	6.0	5.7	6.3	6.1	BA 78-376	2.7	4.3	6.3	5.0	4.6
SR 2000	5.7	5.3	7.0	6.3	6.1						
VOYAGER	4.0	8.3	6.0	5.7	6.0	LSD VALUE	1.7	1.8	1.1	0.8	0.7
CYNTHIA	5.3	7.0	5.7	6.0	6.0						
MIRACLE	6.7	4.3	6.7	6.3	6.0						
SOPHIA	6.0	5.7	6.0	6.3	6.0						
MINNFINE (MN 2405)	5.3	6.0	6.3	6.3	6.0						
BAR VB 1169	5.3	6.3	6.3	5.7	5.9						
KENBLUE	4.7	6.7	6.3	6.0	5.9						
COBALT	5.7	6.3	6.3	5.3	5.9						
NJIC	5.0	7.3	6.0	5.3	5.9						
BARCELONA (BAR VB 1184)	4.7	6.0	6.7	6.0	5.8						
AMAZON	5.0	5.3	6.7	6.3	5.8						
J-335	4.7	6.7	6.0	5.7	5.8						
ALENE	4.7	6.7	6.3	5.3	5.8						
BANJO (H76-1034)	3.7	7.0	6.3	6.0	5.8						
BARONIE (BAR VB 985)	4.0	7.7	6.0	5.3	5.8						
CHELSEA	5.3	4.7	6.3	6.7	5.8						
SOUTH DAKOTA CERT.	5.3	6.0	6.0	5.7	5.8						
ZPS-84-749	5.0	5.7	6.3	6.0	5.8						
GEN-RSP	3.0	8.7	6.0	5.0	5.7						
NE 80-47	4.0	6.3	6.3	6.0	5.7						
BARZAN	5.3	5.0	5.7	6.3	5.6						
ISI-21	3.0	7.7	6.3	5.3	5.6						
KWS PP 13-2	6.0	4.3	6.0	6.0	5.6						
NUBLUE (J-229)	3.3	7.3	6.3	5.3	5.6						
PST-C-391	4.0	7.7	5.3	5.3	5.6						
PST-C-303	3.0	7.3	6.7	5.0	5.5						
FREEDOM	3.3	7.3	6.0	5.0	5.4						

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 5.

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/						
	ID3	NE1	PA1	RI1	UB1	VA6	MEAN
NJIC	6.0	7.3	2.3	5.0	7.0	7.7	5.9
SR 2000	6.3	6.0	3.3	4.3	6.0	6.7	5.4
EVB 13.703	6.0	5.0	2.0	4.3	6.7	8.0	5.3
PARK	6.0	6.7	2.3	5.0	7.0	5.0	5.3
NE 80-47	5.7	6.0	1.7	6.0	6.0	6.3	5.3
MERIT	6.7	5.7	2.7	4.7	5.7	6.0	5.2
PST-C-391	5.0	6.0	2.3	4.3	6.0	7.3	5.2
VOYAGER	4.3	6.3	2.0	5.0	6.0	7.3	5.2
ALENE	5.7	5.7	2.0	6.0	7.0	4.3	5.1
WASHINGTON	6.0	6.0	3.0	4.3	6.0	5.3	5.1
PST-A7-111	4.7	5.7	2.7	5.7	6.3	5.3	5.1
UNKNOWN	5.7	5.7	2.7	4.7	5.3	6.0	5.0
FREEDOM	5.3	5.7	2.3	4.0	5.7	6.7	4.9
DESTINY	5.0	5.7	3.7	4.3	5.7	5.3	4.9
GNOME	6.0	5.0	3.0	4.3	5.7	5.7	4.9
BA 78-376	6.0	5.3	2.0	5.3	6.7	4.3	4.9
GEN-RSP	3.3	6.3	2.0	5.0	7.0	5.7	4.9
ZPS-84-749	4.3	5.7	1.7	5.0	7.0	5.7	4.9
COBALT	4.7	5.7	2.7	4.0	5.7	6.3	4.8
HAGA	5.0	5.3	2.3	4.7	5.7	6.0	4.8
BANJO (H76-1034)	4.0	6.3	3.0	5.0	6.3	4.0	4.8
FORTUNA	6.3	5.7	3.0	4.3	4.7	4.7	4.8
J-386	4.3	6.0	2.3	4.7	5.0	6.3	4.8
MERION	3.3	6.0	3.3	4.0	6.7	5.3	4.8
NUBLUE (J-229)	5.3	5.3	2.3	4.3	5.0	6.3	4.8
BARONIE (BAR VB 985)	4.7	5.7	2.3	4.3	4.7	6.7	4.7
PST-C-303	4.3	5.7	2.3	4.7	5.3	6.0	4.7
PST-YQ	3.3	6.0	2.7	4.3	5.7	6.3	4.7
BARTITIA	5.7	4.3	1.7	4.0	5.3	7.0	4.7
RAM-1	5.0	5.3	1.0	4.7	6.0	6.0	4.7
UNIQUE (EST-C-76)	5.7	5.3	2.0	3.3	4.7	7.0	4.7
BA 74-017	6.0	4.3	3.3	4.0	5.0	5.3	4.7
BARCELONA (BAR VB 1184)	5.3	5.7	2.0	3.7	5.0	6.0	4.6
BARON	5.7	6.0	2.7	4.3	3.7	5.3	4.6
CREST	5.7	5.7	2.7	4.3	4.7	4.7	4.6
LIVINGSTON	4.7	5.7	2.3	4.3	5.7	5.0	4.6
BRONCO	6.0	5.0	2.3	4.3	5.0	4.7	4.6
SOUTH DAKOTA CERT.	3.7	5.3	1.3	6.3	6.3	4.3	4.6
BELMONT (798)	4.3	5.3	2.3	4.7	5.3	5.0	4.5
BARMAX (BAR VB 7037)	4.3	4.7	1.7	3.7	5.7	6.7	4.4
J-335	4.7	4.3	2.3	4.3	6.0	5.0	4.4
KWS PP 13-2	3.7	5.7	2.3	4.0	4.7	6.3	4.4
BAR VB 1169	4.0	5.0	2.0	4.0	5.7	5.7	4.4
LIBERTY	5.0	5.0	2.3	4.0	4.7	5.3	4.4
BAR VB 852	3.0	4.7	2.7	4.7	6.0	5.3	4.4

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN						
	ID3	NE1	PA1	RI1	UB1	VA6	MEAN
CHELSEA	2.7	6.0	1.7	4.0	5.7	6.3	4.4
CYNTHIA	5.7	3.7	2.0	4.7	4.3	6.0	4.4
KYOSTI	3.7	5.7	2.0	4.0	5.7	5.3	4.4
EVB 13.863	4.0	4.7	2.3	5.3	5.0	4.7	4.3
ISI-21	3.0	6.0	2.7	3.7	6.0	4.7	4.3
KENBLUE	3.7	5.3	1.3	5.7	6.7	3.3	4.3
MIRACLE	5.3	5.3	1.7	4.3	4.3	5.0	4.3
SUFFOLK	5.0	5.3	2.0	4.0	4.3	5.3	4.3
MONOPOLY	2.7	5.0	1.7	5.0	6.7	4.7	4.3
OPAL	4.7	3.7	2.0	4.7	5.0	5.7	4.3
MIDNIGHT	4.7	5.7	2.3	4.0	3.3	5.0	4.2
NUSTAR	4.0	5.3	1.7	4.3	4.7	4.7	4.1
SOPHIA	3.7	4.7	1.0	3.7	5.3	4.3	3.8
MINNFINE (MN 2405)	1.7	4.3	1.7	5.7	5.0	3.0	3.6
AMAZON	3.0	4.7	1.0	4.0	4.0	3.0	3.3
BARSWHEET	3.3	4.0	1.7	3.0	2.3	5.3	3.3
BARZAN	3.0	4.7	0.0	4.3	4.0	2.7	3.1
LSD VALUE	2.5	1.5	0.8	1.1	1.3	1.8	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 6. LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/			
NAME	MO3	NAME	MO3
KENBLUE	9.0	DESTINY	6.7
MINNFINE (MN 2405)	9.0	KWS PP 13-2	6.7
ZPS-84-749	9.0	KYOSTI	6.7
CYNTHIA	8.3	MIRACLE	6.7
ALENE	8.0	MONOPOLY	6.7
PARK	8.0	UNIQUE (PST-C-76)	6.7
SOUTH DAKOTA CERT.	8.0	BARON	6.3
BA 78-376	7.7	BRONCO	6.3
BAR VB 852	7.7	CREST	6.3
GEN-RSP	7.7	LIVINGSTON	6.3
NJIC	7.7	FORTUNA	6.0
PST-A7-111	7.7	GNOME	6.0
AMAZON	7.3	SR 2000	6.0
BANJO (H76-1034)	7.3	BA 74-017	5.7
PST-C-391	7.3	MERION	5.7
RAM-1	7.3	MERIT	5.7
WASHINGTON	7.3	BELMONT (798)	5.3
BARCELONA (BAR VB 1184)	7.0		
BARMAX (BAR VB 7037)	7.0	LSD VALUE	0.7
BARONIE (BAR VB 985)	7.0		
BARSWEET	7.0		
BARTITIA	7.0		
BARZAN	7.0		
CHELSEA	7.0		
EVB 13.703	7.0		
EVB 13.863	7.0		
FREEDOM	7.0		
HAGA	7.0		
ISI-21	7.0		
J-335	7.0		
J-386	7.0		
LIBERTY	7.0		
MIDNIGHT	7.0		
NE 80-47	7.0		
NUBLUE (J-229)	7.0		
NUSTAR	7.0		
OPAL	7.0		
PST-C-303	7.0		
PST-YQ	7.0		
SOPHIA	7.0		
SUFFOLK	7.0		
UNKNOWN	7.0		
VOYAGER	7.0		
BAR VB 1169	6.7		
COBALT	6.7		

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 7. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

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

NAME	MO3	NAME	MO3
MIDNIGHT	8.3	CHELSEA	6.0
UNIQUE (PST-C-76)	8.0	COBALT	6.0
BARCELONA (BAR VB 1184)	7.7	DESTINY	6.0
BARTITIA	7.7	J-335	6.0
ISI-21	7.7	J-386	6.0
PST-C-303	7.7	SOUTH DAKOTA CERT.	6.0
SR 2000	7.7	ALENE	5.7
VOYAGER	7.7	BANJO (H76-1034)	5.7
AMAZON	7.3	BARONIE (BAR VB 985)	5.7
BAR VB 852	7.3	KENBLUE	5.7
BARSWEET	7.3	KYOSTI	5.7
BELMONT (798)	7.3	MINNFINE (MN 2405)	5.7
FORTUNA	7.3	PARK	5.7
PST-YQ	7.3	PST-A7-111	5.7
BAR VB 1169	7.0	PST-C-391	5.7
FREEDOM	7.0	BA 78-376	5.3
GEN-RSP	7.0	KWS PP 13-2	5.3
GNOME	7.0		
LIVINGSTON	7.0	LSD VALUE	1.0
MERIT	7.0		
MIRACLE	7.0		
NJIC	7.0		
OPAL	7.0		
RAM-1	7.0		
SOPHIA	7.0		
WASHINGTON	7.0		
BA 74-017	6.7		
BARON	6.7		
CYNTHIA	6.7		
EVB 13.703	6.7		
EVB 13.863	6.7		
LIBERTY	6.7		
MERION	6.7		
NUBLUE (J-229)	6.7		
SUFFOLK	6.7		
UNKNOWN	6.7		
BARZAN	6.3		
CREST	6.3		
HAGA	6.3		
MONOPOLY	6.3		
NE 80-47	6.3		
NUSTAR	6.3		
ZPS-84-749	6.3		
BARMAX (BAR VB 7037)	6.0		
BRONCO	6.0		

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 8. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/			
NAME	MO3	NAME	MO3
BELMONT (798)	6.7	KYOSTI	5.0
BAR VB 1169	6.3	MINNFINE (MN 2405)	5.0
BAR VB 852	6.3	UNIQUE (PST-C-76)	5.0
BARCELONA (BAR VB 1184)	6.3	BANJO (H76-1034)	4.7
MERIT	6.3	BRONCO	4.7
NJIC	6.3	J-386	4.7
NUBLUE (J-229)	6.3	MIRACLE	4.7
OPAL	6.3	NE 80-47	4.7
SR 2000	6.3	PST-A7-111	4.7
VOYAGER	6.3	SUFFOLK	4.7
BARON	6.0	WASHINGTON	4.7
ISI-21	6.0	AMAZON	4.3
MERION	6.0	BA 78-376	4.3
MIDNIGHT	6.0	LIBERTY	4.3
MONOPOLY	6.0	SOUTH DAKOTA CERT.	4.3
PARK	6.0	CHELSEA	4.0
PST-C-303	6.0	KWS PP 13-2	4.0
BARONIE (BAR VB 985)	5.7	LSD VALUE	1.4
CREST	5.7		
CYNTHIA	5.7		
FREEDOM	5.7		
HAGA	5.7		
LIVINGSTON	5.7		
NUSTAR	5.7		
PST-C-391	5.7		
PST-YQ	5.7		
SOPHIA	5.7		
UNKNOWN	5.7		
ZPS-84-749	5.7		
BA 74-017	5.3		
BARSWEEP	5.3		
BARTITIA	5.3		
BARZAN	5.3		
COBALT	5.3		
EVB 13.703	5.3		
EVB 13.863	5.3		
RAM-1	5.3		
ALENE	5.0		
BARMAX (BAR VB 7037)	5.0		
DESTINY	5.0		
FORTUNA	5.0		
GEN-RSP	5.0		
GNOME	5.0		
J-335	5.0		
KENBLUE	5.0		

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 9. FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/			
NAME	MO3	NAME	MO3
BAR VB 852	8.0	J-386	6.3
OPAL	8.0	KENBLUE	6.3
SR 2000	8.0	LIBERTY	6.3
GEN-RSP	7.7	MINNFINE (MN 2405)	6.3
MERION	7.7	SOUTH DAKOTA CERT.	6.3
NJIC	7.7	SUFFOLK	6.3
VOYAGER	7.7	WASHINGTON	6.3
BAR VB 1169	7.3	BARSWEEP	6.0
BELMONT (798)	7.3	FORTUNA	6.0
FREEDOM	7.3	LIVINGSTON	6.0
HAGA	7.3	NE 80-47	6.0
J-335	7.3	PST-A7-111	6.0
KYOSTI	7.3	BA 78-376	5.3
MERIT	7.3	BANJO (H76-1034)	5.3
MIDNIGHT	7.3	BRONCO	5.3
NUSTAR	7.3	KWS PP 13-2	5.3
PARK	7.3	MIRACLE	4.7
PST-C-391	7.3		
RAM-1	7.3	LSD VALUE	1.3
BARCELONA (BAR VB 1184)	7.0		
BARON	7.0		
BARONIE (BAR VB 985)	7.0		
BARZAN	7.0		
COBALT	7.0		
CREST	7.0		
CYNTHIA	7.0		
MONOPOLY	7.0		
PST-C-303	7.0		
PST-YQ	7.0		
UNIQUE (PST-C-76)	7.0		
ZPS-84-749	7.0		
DESTINY	6.7		
GNOME	6.7		
NUBLUE (J-229)	6.7		
SOPHIA	6.7		
UNKNOWN	6.7		
ALENE	6.3		
AMAZON	6.3		
BA 74-017	6.3		
BARMAX (BAR VB 7037)	6.3		
BARTITIA	6.3		
CHELSEA	6.3		
EVB 13.703	6.3		
EVB 13.863	6.3		
ISI-21	6.3		

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 10. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/							
NAME	ID3	MO3	MEAN	NAME	ID3	MO3	MEAN
EVB 13.703	99.0	97.7	98.3	UNIQUE (PST-C-76)	71.7	97.7	84.7
UNKNOWN	92.7	99.0	95.8	ZPS-84-749	73.3	96.0	84.7
MIRACLE	94.7	96.3	95.5	BA 74-017	70.0	97.7	83.8
OPAL	93.3	97.7	95.5	KENBLUE	68.3	99.0	83.7
WASHINGTON	93.0	97.7	95.3	KWS PP 13-2	73.3	93.0	83.2
J-335	91.0	97.7	94.3	PST-YQ	70.0	96.3	83.2
RAM-1	88.3	99.0	93.7	MONOPOLY	68.3	97.7	83.0
FREEDOM	89.3	97.7	93.5	ISI-21	66.7	99.0	82.8
BARCELONA (BAR VB 1184)	87.7	99.0	93.3	NJIC	71.7	93.0	82.3
FORTUNA	88.3	97.7	93.0	PST-A7-111	70.0	93.3	81.7
BAR VB 852	86.7	99.0	92.8	CHELSEA	70.0	91.7	80.8
SR 2000	89.3	96.3	92.8	MERION	63.3	97.7	80.5
BARMAX (BAR VB 7037)	86.7	97.7	92.2	BANJO (H76-1034)	63.3	93.0	78.2
BRONCO	86.7	97.7	92.2	ALENE	58.3	96.3	77.3
AMAZON	88.0	96.0	92.0	SOUTH DAKOTA CERT.	61.7	93.0	77.3
BARSWEET	85.0	99.0	92.0	PARK	51.7	99.0	75.3
J-386	85.0	99.0	92.0	BA 78-376	55.0	94.7	74.8
CYNTHIA	83.3	97.7	90.5				
BARTITIA	84.0	96.3	90.2	LSD VALUE	18.2	4.6	9.1
NUSTAR	81.7	97.7	89.7				
COBALT	84.3	95.0	89.7				
NE 80-47	84.0	94.7	89.3	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).			
SUFFOLK	81.7	96.3	89.0				
VOYAGER	81.7	96.3	89.0				
CREST	80.0	97.7	88.8				
GNOME	80.0	97.7	88.8				
SOPHIA	78.3	99.0	88.7				
BELMONT (798)	80.0	96.3	88.2				
BARON	78.3	97.7	88.0				
KYOSTI	78.3	97.7	88.0				
MIDNIGHT	76.7	99.0	87.8				
PST-C-303	78.3	96.3	87.3				
MINNFINE (MN 2405)	76.7	97.7	87.2				
NUBLUE (J-229)	76.7	97.7	87.2				
EVB 13.863	75.0	99.0	87.0				
MERIT	75.0	99.0	87.0				
BAR VB 1169	76.7	96.3	86.5				
LIBERTY	77.5	94.7	86.1				
BARONIE (BAR VB 985)	73.3	97.7	85.5				
LIVINGSTON	73.3	97.7	85.5				
DESTINY	71.7	99.0	85.3				
GEN-RSP	71.7	99.0	85.3				
BARZAN	76.7	93.0	84.8				
PST-C-391	73.3	96.3	84.8				
HAGA	71.7	97.7	84.7				

TABLE 11. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/			
NAME	MO3	NAME	MO3
BAR VB 852	97.7	BA 74-017	91.7
BRONCO	97.7	BANJO (H76-1034)	91.7
GEN-RSP	97.7	BAR VB 1169	91.7
KYOSTI	97.7	COBALT	91.7
MERIT	97.7	RAM-1	91.0
UNIQUE (PST-C-76)	97.7	BARMAX (BAR VB 7037)	90.0
VOYAGER	97.7	PST-A7-111	90.0
BARON	96.3	SOUTH DAKOTA CERT.	90.0
BARONIE (BAR VB 985)	96.3	MERION	89.7
BELMONT (798)	96.3	BARCELONA (BAR VB 1184)	88.3
HAGA	96.3	CHELSEA	86.7
MIDNIGHT	96.3	BARZAN	85.0
NUBLUE (J-229)	96.3	BARTITIA	83.3
PST-C-303	96.3	MIRACLE	76.7
SUFFOLK	96.3	EVB 13.703	70.0
UNKNOWN	96.3	BA 78-376	68.3
WASHINGTON	96.3	KWS PP 13-2	60.0
ISI-21	96.0		
MONOPOLY	96.0	LSD VALUE	11.3
SOPHIA	96.0		
FORTUNA	95.0		
FREEDOM	95.0		
LIVINGSTON	95.0		
BARSWEEP	94.7		
CREST	94.7		
DESTINY	94.7		
EVB 13.863	94.7		
KENBLUE	94.7		
LIBERTY	94.7		
OPAL	94.7		
PST-C-391	94.7		
PST-YQ	94.7		
AMAZON	94.3		
ALENE	93.3		
J-335	93.3		
J-386	93.3		
NE 80-47	93.3		
PARK	93.3		
ZPS-84-749	93.3		
CYNTHIA	93.0		
GNOME	93.0		
MINNFINE (MN 2405)	93.0		
NUSTAR	93.0		
SR 2000	93.0		
NJIC	92.7		

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 12. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/								
NAME	MO3	UB1	MEAN	NAME	MO3	UB1	MEAN	
GEN-RSP	99.0	94.7	96.8	COBALT	96.3	51.7	74.0	
BAR VB 852	99.0	93.3	96.2	BAR VB 1169	86.0	60.0	73.0	
MINNFINE (MN 2405)	96.0	96.3	96.2	PST-C-391	97.7	48.3	73.0	
KENBLUE	97.7	91.7	94.7	BARTITIA	75.0	68.3	71.7	
NJIC	99.0	90.0	94.5	BARONIE (BAR VB 985)	99.0	38.3	68.7	
PARK	93.3	94.7	94.0	LIBERTY	97.7	36.7	67.2	
SOPHIA	97.7	90.0	93.8	PST-C-303	96.0	38.3	67.2	
ALENE	99.0	88.3	93.7	BA 78-376	45.0	88.3	66.7	
ISI-21	99.0	86.7	92.8	CHELSEA	93.0	40.0	66.5	
BARMAX (BAR VB 7037)	97.7	86.7	92.2	NUBLUE (J-229)	96.0	35.0	65.5	
OPAL	99.0	85.0	92.0	BARSWEEP	91.3	35.0	63.2	
PST-A7-111	86.7	96.3	91.5	SUFFOLK	99.0	20.0	59.5	
FORTUNA	99.0	83.3	91.2	BARCELONA (BAR VB 1184)	78.0	40.0	59.0	
MERIT	99.0	83.3	91.2	EVB 13.703	53.3	60.0	56.7	
ZPS-84-749	90.0	91.7	90.8	BARZAN	66.7	40.0	53.3	
NUSTAR	92.7	88.3	90.5	MIRACLE	55.0	36.7	45.8	
UNKNOWN	97.7	83.3	90.5	KWS PP 13-2	33.3	18.3	25.8	
UNIQUE (PST-C-76)	99.0	81.7	90.3					
VOYAGER	99.0	81.7	90.3	LSD VALUE	22.6	31.5	19.4	
J-386	86.7	93.3	90.0					
BRONCO	99.0	78.3	88.7					
CYNTHIA	99.0	78.3	88.7					
SOUTH DAKOTA CERT.	90.0	86.7	88.3	1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES,				
PST-YQ	99.0	75.0	87.0	SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.				
WASHINGTON	93.3	80.0	86.7	STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS				
CREST	92.7	80.0	86.3	LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).				
MONOPOLY	97.7	71.7	84.7					
J-335	99.0	70.0	84.5					
MIDNIGHT	97.7	70.0	83.8					
HAGA	99.0	68.3	83.7					
GNOME	94.7	71.7	83.2					
EVB 13.863	96.3	68.3	82.3					
BA 74-017	96.3	66.7	81.5					
BELMONT (798)	97.7	65.0	81.3					
FREEDOM	97.7	63.3	80.5					
KYOSTI	99.0	61.7	80.3					
BANJO (H76-1034)	96.3	63.3	79.8					
RAM-1	81.7	76.7	79.2					
BARON	93.0	65.0	79.0					
SR 2000	97.7	60.0	78.8					
DESTINY	94.3	61.7	78.0					
LIVINGSTON	94.3	61.7	78.0					
MERION	79.3	75.0	77.2					
AMAZON	89.7	63.3	76.5					
NE 80-47	94.7	58.3	76.5					

TABLE 13. WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/									
NAME	CO1	ID3	NJ1	MEAN	NAME	CO1	ID3	NJ1	MEAN
EST-C-303	3.3	4.3	7.7	5.1	J-335	3.0	2.3	4.3	3.2
LIVINGSTON	3.3	4.0	7.7	5.0	BA 74-017	2.7	5.0	2.0	3.2
BARONIE (BAR VB 985)	4.3	3.3	6.7	4.8	UNKNOWN	2.7	3.7	3.0	3.1
FREEDOM	3.0	4.3	7.0	4.8	ZPS-84-749	2.7	3.3	3.0	3.0
LIBERTY	2.7	4.5	7.0	4.7	CREST	2.7	3.7	2.3	2.9
DESTINY	2.7	4.7	6.3	4.6	J-386	2.7	2.0	3.7	2.8
NBLUE (J-229)	4.0	4.0	5.7	4.6	EVB 13.863	2.3	1.0	4.7	2.7
EST-C-391	3.0	4.0	6.7	4.6	KYOSTI	2.3	3.0	2.3	2.6
BARZAN	3.3	1.7	8.7	4.6	MERION	2.3	2.3	3.0	2.6
HELMONT (798)	3.0	4.3	6.3	4.6	BARMAX (BAR VB 7037)	2.7	2.3	2.7	2.6
SUFFOLK	3.0	3.7	7.0	4.6	AMAZON	2.7	1.3	3.3	2.4
BARTITIA	3.3	4.3	5.7	4.4	KENBLUE	2.0	1.7	3.3	2.3
EST-YQ	3.7	3.7	6.0	4.4	BA 78-376	2.0	3.7	1.3	2.3
BARCELONA (BAR VB 1184)	3.3	5.0	4.7	4.3	PST-A7-111	1.7	1.7	3.3	2.2
EVB 13.703	3.0	5.0	5.0	4.3	SOUTH DAKOTA CERT.	1.7	2.0	2.0	1.9
SR 2000	2.3	4.7	6.0	4.3	PARK	2.0	2.7	1.0	1.9
COBALT	3.0	4.0	5.7	4.2	MINNFINE (MN 2405)	1.7	1.0	2.7	1.8
HAGA	3.3	4.0	5.3	4.2					
CYNTHIA	3.0	2.3	7.0	4.1	LSD VALUE	1.1	2.0	1.8	1.0
BAR VB 1169	4.3	3.0	5.0	4.1					
RAM-1	3.0	2.0	7.3	4.1					
GEN-RSP	3.3	2.0	6.7	4.0					
MIDNIGHT	2.7	3.0	6.3	4.0					
MIRACLE	3.0	3.3	5.7	4.0					
NJIC	3.3	3.7	4.7	3.9					
CHELSEA	3.0	1.7	6.7	3.8					
KWS PP 13-2	3.0	3.3	5.0	3.8					
ERONCO	2.3	3.7	5.3	3.8					
MONOPOLY	2.7	2.0	6.7	3.8					
UNIQUE (PST-C-76)	3.7	4.0	3.7	3.8					
BARSWEET	3.3	1.7	6.0	3.7					
GNOME	3.3	5.0	2.7	3.7					
NE 80-47	2.7	3.7	4.7	3.7					
NJSTAR	3.0	3.3	4.7	3.7					
WASHINGTON	3.3	3.0	4.7	3.7					
ALENE	2.7	3.3	4.7	3.6					
ISI-21	3.3	2.3	5.0	3.6					
OPAL	3.3	3.3	4.0	3.6					
SOPHIA	3.3	2.0	5.3	3.6					
BARON	3.0	4.0	3.7	3.6					
FORTUNA	2.7	5.3	2.7	3.6					
BANJO (H76-1034)	2.3	3.3	4.7	3.4					
VOYAGER	3.0	2.3	5.0	3.4					
BAR VB 852	3.3	1.7	5.0	3.3					
MERIT	2.7	4.7	2.7	3.3					

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 14. DROUGHT TOLERANCE (DORMANCY) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 1/									
NAME	CO1	MD1	UB1	MEAN	NAME	CO1	MD1	UB1	MEAN
EAR VB 852	7.7	4.0	7.0	6.2	BANJO (H76-1034)	6.5	4.0	2.3	4.3
ISI-21	8.7	4.3	4.3	5.8	GEN-RSP	6.5	3.3	3.0	4.3
NJSTAR	7.3	4.7	5.0	5.7	KYOSTI	6.5	3.3	3.0	4.3
SR 2000	7.7	5.3	3.7	5.6	BA 78-376	5.3	4.0	3.3	4.2
SOPHIA	6.7	5.0	4.7	5.4	KWS PP 13-2	6.3	3.7	2.7	4.2
WASHINGTON	6.3	5.0	5.0	5.4	ALENE	5.0	4.7	2.3	4.0
EAR VB 1169	7.3	4.7	4.0	5.3	BARCELONA (BAR VB 1184)	4.7	3.7	3.7	4.0
EST-YQ	7.3	5.0	3.7	5.3	PST-C-391	6.3	3.7	2.0	4.0
BELMONT (798)	6.7	4.7	4.3	5.2	ZPS-84-749	5.0	4.3	2.7	4.0
NJIC	8.0	4.3	3.3	5.2	MIRACLE	4.7	3.7	3.3	3.9
GNOME	7.7	4.3	3.3	5.1	PARK	5.3	3.3	3.0	3.9
MERION	7.7	3.7	4.0	5.1	AMAZON	3.7	3.3	4.3	3.8
BARMAX (BAR VB 7037)	5.0	5.3	5.0	5.1	MINNFINE (MN 2405)	4.0	3.7	3.3	3.7
J-335	7.0	4.7	3.3	5.0	KENBLUE	4.3	4.0	2.7	3.7
DESTINY	7.0	3.7	4.3	5.0	BARZAN	4.0	3.3	3.3	3.6
FORTUNA	6.7	4.0	4.3	5.0	NUBLUE (J-229)	4.0	4.0	2.7	3.6
MERIT	6.0	4.0	5.0	5.0	SOUTH DAKOTA CERT.	4.3	4.0	2.0	3.4
MONOPOLY	6.7	4.0	4.3	5.0					
OPAL	6.7	5.3	3.0	5.0	LSD VALUE	1.9	2.0	1.3	1.0
FAM-1	5.0	4.3	5.7	5.0					
COBALT	7.0	4.3	3.7	5.0					
UNKNOWN	6.5	4.3	4.0	4.9					
HAGA	6.3	5.0	3.3	4.9					
UNIQUE (PST-C-76)	6.7	5.3	2.7	4.9					
LIBERTY	6.5	4.7	3.3	4.8					
J-386	5.3	4.3	4.7	4.8					
VOYAGER	7.0	4.3	3.0	4.8					
SUFFOLK	7.5	4.3	2.3	4.7					
BARONIE (BAR VB 985)	7.0	4.7	2.3	4.7					
CREST	6.0	4.0	4.0	4.7					
EVB 13.863	5.0	4.7	4.3	4.7					
MIDNIGHT	5.7	4.7	3.7	4.7					
EVB 13.703	7.0	4.3	2.7	4.7					
LIVINGSTON	7.3	4.0	2.7	4.7					
FREEDOM	6.5	5.0	2.3	4.6					
BARSWEET	5.0	4.7	4.0	4.6					
BARTITIA	5.0	4.7	4.0	4.6					
BARON	6.3	4.0	3.3	4.6					
NE 80-47	6.0	5.3	2.3	4.6					
EA 74-017	5.7	3.0	4.7	4.4					
CYNTHIA	5.7	4.3	3.3	4.4					
EST-A7-111	4.7	4.7	4.0	4.4					
BRONCO	6.0	3.0	4.3	4.4					
EST-C-303	6.0	4.7	2.3	4.3					
CHELSEA	5.0	3.7	4.3	4.3					

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 15. DROUGHT TOLERANCE (RECOVERY) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY 1/								
NAME	CO1	NJ1	MEAN	NAME	CO1	NJ1	MEAN	
BARTITIA	7.0	5.3	6.2	PST-C-391	5.7	3.7	4.7	
BELMONT (798)	6.0	6.3	6.2	SOUTH DAKOTA CERT.	3.7	5.7	4.7	
SOPHIA	6.3	6.0	6.2	BAR VB 852	5.3	4.0	4.7	
BARCELONA (BAR VB 1184)	6.7	5.3	6.0	HAGA	5.3	4.0	4.7	
DESTINY	5.3	6.7	6.0	NUSTAR	5.3	4.0	4.7	
LIVINGSTON	6.0	6.0	6.0	UNKNOWN	4.0	5.3	4.7	
BARSWEEP	5.7	6.0	5.8	FREEDOM	5.0	4.0	4.5	
EVB 13.863	5.7	6.0	5.8	KENBLUE	4.0	5.0	4.5	
KWS PP 13-2	6.0	5.7	5.8	EVB 13.703	5.7	3.0	4.3	
BANJO (H76-1034)	4.7	6.7	5.7	NUBLUE (J-229)	4.7	4.0	4.3	
COBALT	5.7	5.7	5.7	J-386	5.3	3.3	4.3	
BARMAX (BAR VB 7037)	6.0	5.3	5.7	MINNFINE (MN 2405)	3.7	5.0	4.3	
BRONCO	5.3	6.0	5.7	SUFFOLK	5.0	3.7	4.3	
PST-YQ	6.0	5.3	5.7	ZPS-84-749	5.3	3.3	4.3	
UNIQUE (PST-C-76)	7.0	4.3	5.7	CYNTHIA	5.0	3.3	4.2	
VOYAGER	6.3	5.0	5.7	MIRACLE	4.3	3.3	3.8	
CREST	5.0	6.0	5.5	PST-A7-111	4.0	3.7	3.8	
J-335	6.7	4.3	5.5					
MERION	5.7	5.3	5.5	LSD VALUE	1.4	2.0	1.2	
RAM-1	5.3	5.7	5.5					
WASHINGTON	5.7	5.3	5.5					
BAR VB 1169	6.7	4.0	5.3					
KYOSTI	4.7	6.0	5.3					
MIDNIGHT	6.0	4.7	5.3					
NE 80-47	6.0	4.7	5.3					
MONOPOLY	5.3	5.3	5.3					
OPAL	5.3	5.3	5.3					
CHELSEA	4.7	5.7	5.2					
LIBERTY	4.7	5.7	5.2					
SR 2000	5.7	4.7	5.2					
BARZAN	6.3	4.0	5.2					
MERIT	5.0	5.3	5.2					
BA 74-017	4.0	6.0	5.0					
ISI-21	6.3	3.7	5.0					
PARK	4.7	5.3	5.0					
PST-C-303	6.3	3.7	5.0					
ALENE	4.7	5.0	4.8					
AMAZON	4.7	5.0	4.8					
FORTUNA	4.0	5.7	4.8					
GEN-RSP	5.0	4.7	4.8					
GNOME	4.7	5.0	4.8					
BARON	4.3	5.3	4.8					
NJIC	6.0	3.7	4.8					
BA 78-376	3.7	5.7	4.7					
BARONIE (BAR VB 985)	6.0	3.3	4.7					

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 16. FUSARIUM PATCH RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/			
NAME	ID3	NAME	ID3
BARZAN	7.3	ISI-21	3.3
BARCELONA (BAR VB 1184)	6.7	MERION	3.3
CYNTHIA	6.7	MONOPOLY	3.3
BRONCO	6.3	PST-A7-111	3.3
CREST	6.3	PST-YQ	3.3
EVB 13.703	6.0	VOYAGER	3.3
GNOME	6.0	AMAZON	3.0
LIBERTY	6.0	BARMAX (BAR VB 7037)	3.0
MIRACLE	6.0	KYOSTI	3.0
RAM-1	6.0	UNIQUE (PST-C-76)	3.0
BA 74-017	5.7	SOUTH DAKOTA CERT.	2.7
BARTITIA	5.7	ZPS-84-749	2.7
MERIT	5.7	KENBLUE	2.3
NUBLUE (J-229)	5.7	BA 78-376	2.0
UNKNOWN	5.7	GEN-RSP	1.7
NE 80-47	5.3	PARK	1.7
SOPHIA	5.3	MINNFINE (MN 2405)	1.3
SR 2000	5.3		
BELMONT (798)	5.0	LSD VALUE	1.8
DESTINY	5.0		
FORTUNA	5.0		
FREEDOM	5.0		
PST-C-303	5.0		
BARONIE (BAR VB 985)	4.7		
BARSWEEP	4.7		
HAGA	4.7		
J-335	4.7		
LIVINGSTON	4.7		
MIDNIGHT	4.7		
NUSTAR	4.7		
PST-C-391	4.7		
SUFFOLK	4.7		
WASHINGTON	4.7		
BAR VB 1169	4.3		
BARON	4.3		
OPAL	4.3		
ALENE	4.0		
BAR VB 852	4.0		
CHELSEA	4.0		
EVB 13.863	4.0		
KWS PP 13-2	4.0		
NJIC	4.0		
BANJO (H76-1034)	3.7		
J-386	3.7		
COBALT	3.3		

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 17. LEAFSPOT RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE 1/			
NAME	NJ2	NAME	NJ2
MIDNIGHT	7.3	SUFFOLK	3.3
SR 2000	7.3	WASHINGTON	3.3
FORTUNA	6.7	CHELSEA	2.7
EVB 13.703	6.3	PARK	2.7
MERION	6.3	FREEDOM	2.3
OPAL	6.3	ISI-21	2.3
BARCELONA (BAR VB 1184)	6.0	NJIC	2.3
COBALT	6.0	PST-A7-111	2.3
UNIQUE (PST-C-76)	6.0	VOYAGER	2.3
BA 74-017	5.7	ZPS-84-749	2.3
BARTITIA	5.7	BA 78-376	2.0
J-386	5.7	BANJO (H76-1034)	1.7
NE 80-47	5.7	ALENE	1.3
BARON	5.3	SOUTH DAKOTA CERT.	1.3
BARSWEEP	5.3	GEN-RSP	1.0
BELMONT (798)	5.3	KENBLUE	1.0
J-335	5.3	MINNFINE (MN 2405)	1.0
LIVINGSTON	5.3		
NUBLUE (J-229)	5.3	LSD VALUE	1.5
UNKNOWN	5.3		
AMAZON	5.0		
BAR VB 1169	5.0		
CREST	5.0		
EVB 13.863	5.0		
CYNTHIA	4.7		
LIBERTY	4.7		
MERIT	4.7		
MIRACLE	4.7		
DESTINY	4.3		
NUSTAR	4.3		
BAR VB 852	4.0		
BARMAX (BAR VB 7037)	4.0		
BARZAN	4.0		
GNOME	4.0		
KWS PP 13-2	4.0		
KYOSTI	4.0		
PST-YQ	4.0		
PST-C-303	3.7		
PST-C-391	3.7		
RAM-1	3.7		
SOPHIA	3.7		
BARONIE (BAR VB 985)	3.3		
BRONCO	3.3		
HAGA	3.3		
MONOPOLY	3.3		

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 18. RED THREAD (JUNE) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/			
NAME	VA6	NAME	VA6
EVB 13.703	5.0	ISI-21	1.0
RAM-1	5.0	J-386	1.0
KYOSTI	4.3	KENBLUE	1.0
EVB 13.863	3.7	KWS PP 13-2	1.0
SOPHIA	3.7	MINNFINE (MN 2405)	1.0
UNIQUE (EST-C-76)	3.7	NE 80-47	1.0
LIVINGSTON	3.3	NJIC	1.0
MIRACLE	3.3	OPAL	1.0
BARTITIA	3.0	PARK	1.0
MERION	3.0	PST-A7-111	1.0
MERIT	3.0	PST-C-303	1.0
MIDNIGHT	2.7	PST-C-391	1.0
NUSTAR	2.7	PST-YQ	1.0
SR 2000	2.7	SOUTH DAKOTA CERT.	1.0
UNKNOWN	2.7	SUFFOLK	1.0
BA 74-017	2.3	VOYAGER	1.0
BARON	2.3	ZPS-84-749	1.0
CYNTHIA	2.3		
MONOPOLY	2.3	LSD VALUE	2.9
CHELSEA	2.0		
NUBLUE (J-229)	2.0		
AMAZON	1.7		
BARMAX (BAR VB 7037)	1.7		
BRONCO	1.7		
CREST	1.7		
DESTINY	1.7		
J-335	1.7		
WASHINGTON	1.7		
BARCELONA (BAR VB 1184)	1.3		
BARSWEEP	1.3		
FREEDOM	1.3		
GNOME	1.3		
LIBERTY	1.3		
ALENE	1.0		
BA 78-376	1.0		
BANJO (H76-1034)	1.0		
BAR VB 1169	1.0		
BAR VB 852	1.0		
BARONIE (BAR VB 985)	1.0		
BARZAN	1.0		
BELMONT (798)	1.0		
COBALT	1.0		
FORTUNA	1.0		
GEN-RSP	1.0		
HAGA	1.0		

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 19. RED THREAD (AUGUST) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/			
NAME	VA6	NAME	VA6
CHELSEA	8.3	SR 2000	4.3
BRONCO	7.7	AMAZON	4.0
MONOPOLY	7.3	EVB 13.703	4.0
MERION	6.7	FORTUNA	4.0
RAM-1	6.7	ALENE	3.7
BARMAX (BAR VB 7037)	6.3	BARSWEEP	3.7
KWS PP 13-2	6.3	FREEDOM	3.7
UNIQUE (PST-C-76)	6.3	HAGA	3.7
BARON	6.0	ISI-21	3.7
CREST	6.0	CYNTHIA	3.3
J-335	6.0	MIDNIGHT	3.3
KYOSTI	6.0	MIRACLE	3.3
SOPHIA	6.0	PST-C-303	3.3
KENBLUE	5.7	VOYAGER	3.3
MERIT	5.7	OPAL	3.0
NE 80-47	5.7	ZPS-84-749	3.0
NUSTAR	5.7	SUFFOLK	2.7
SOUTH DAKOTA CERT.	5.7		
BA 74-017	5.3	LSD VALUE	2.7
BARONIE (BAR VB 985)	5.3		
COBALT	5.3		
EVB 13.863	5.3		
MINNFINE (MN 2405)	5.3		
NUBLUE (J-229)	5.3		
PST-A7-111	5.3		
PST-YQ	5.3		
BA 78-376	5.0		
BANJO (H76-1034)	5.0		
BAR VB 852	5.0		
BARCELONA (BAR VB 1184)	5.0		
DESTINY	5.0		
GNOME	5.0		
LIBERTY	5.0		
NJIC	5.0		
PARK	5.0		
UNKNOWN	5.0		
BAR VB 1169	4.7		
BARTITIA	4.7		
BELMONT (798)	4.7		
GEN-RSP	4.7		
LIVINGSTON	4.7		
WASHINGTON	4.7		
BARZAN	4.3		
J-386	4.3		
PST-C-391	4.3		

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 20. RED THREAD (SEPTEMBER) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/			
NAME	VA6	NAME	VA6
BARTITIA	8.0	J-335	5.0
MONOPOLY	8.0	PARK	5.0
BARZAN	7.7	SUFFOLK	5.0
SOPHIA	7.7	VOYAGER	5.0
PST-YQ	7.3	WASHINGTON	5.0
AMAZON	7.0	BARSWEEP	4.7
BANJO (H76-1034)	7.0	BELMONT (798)	4.7
BRONCO	7.0	FREEDOM	4.7
CHELSEA	7.0	J-386	4.7
LIVINGSTON	7.0	SR 2000	4.7
NUBLUE (J-229)	7.0	UNKNOWN	4.7
PST-C-391	7.0	NJIC	4.3
BARONIE (BAR VB 985)	6.7	OPAL	4.3
CYNTHIA	6.7	SOUTH DAKOTA CERT.	4.0
GEN-RSP	6.7	BAR VB 1169	3.7
KYOSTI	6.7	FORTUNA	3.3
LIBERTY	6.7	MIRACLE	3.3
MERION	6.7		
NUSTAR	6.7	LSD VALUE	3.1
PST-C-303	6.7		
BA 74-017	6.3		
BARON	6.3		
DESTINY	6.3		
PST-A7-111	6.3		
BARCELONA (BAR VB 1184)	6.0		
BARMAX (BAR VB 7037)	6.0		
COBALT	6.0		
CREST	6.0		
KENBLUE	6.0		
KWS PP 13-2	6.0		
MERIT	6.0		
MIDNIGHT	6.0		
NE 80-47	6.0		
RAM-1	6.0		
UNIQUE (PST-C-76)	6.0		
ALENE	5.7		
EVB 13.703	5.7		
HAGA	5.7		
ISI-21	5.7		
MINNFINE (MN 2405)	5.7		
BA 78-376	5.3		
BAR VB 852	5.3		
GNOME	5.3		
ZPS-84-749	5.3		
EVB 13.863	5.0		

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 21. RED THREAD (OCTOBER) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/			
NAME	VA6	NAME	VA6
MONOPOLY	9.0	MIDNIGHT	2.0
J-386	8.0	SOUTH DAKOTA CERT.	2.0
EVB 13.703	7.0	ZPS-84-749	2.0
OPAL	6.7	NJIC	1.7
BARMAX (BAR VB 7037)	6.5	PST-C-303	1.7
NUSTAR	6.5	SUFFOLK	1.7
BARCELONA (BAR VB 1184)	6.3	LIBERTY	1.5
CHELSEA	6.3	WASHINGTON	1.5
MERIT	6.3	UNIQUE (EST-C-76)	1.3
BA 78-376	6.0	BA 74-017	1.0
PST-YQ	6.0	BAR VB 852	1.0
CYNTHIA	5.7	BARTITIA	1.0
NUBLUE (J-229)	5.5	BELMONT (798)	1.0
BANJO (H76-1034)	5.3	FORTUNA	1.0
BARZAN	5.3	MIRACLE	1.0
RAM-1	5.3	PARK	1.0
BARON	5.0	SOPHIA	1.0
J-335	5.0		
COBALT	4.7	LSD VALUE	5.2
KWS PP 13-2	4.7		
MINNFINE (MN 2405)	4.7		
LIVINGSTON	4.5		
MERION	4.5		
EVB 13.863	4.3		
GNOME	4.3		
KYOSTI	4.3		
NE 80-47	4.3		
PST-C-391	4.3		
AMAZON	4.0		
BRONCO	4.0		
SR 2000	4.0		
BAR VB 1169	3.7		
BARSWEEP	3.7		
CREST	3.7		
ISI-21	3.7		
UNKNOWN	3.7		
GEN-RSP	3.3		
HAGA	3.0		
PST-A7-111	3.0		
BARONIE (BAR VB 985)	2.7		
VOYAGER	2.7		
FREEDOM	2.5		
DESTINY	2.3		
KENBLUE	2.3		
ALENE	2.0		

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 22. RED THREAD (AVERAGE) RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/			
NAME	VA6	NAME	VA6
MONOPOLY	6.3	BAR VB 852	3.3
CHELSEA	5.7	BARSWEEP	3.3
EVB 13.703	5.3	MIDNIGHT	3.3
MERION	5.3	MIRACLE	3.3
NUSTAR	5.3	WASHINGTON	3.3
RAM-1	5.3	BAR VB 1169	3.0
SOPHIA	5.3	ISI-21	3.0
BARMAX (BAR VB 7037)	5.0	NJIC	3.0
BARON	5.0	PARK	3.0
BARTITIA	5.0	PST-C-303	3.0
BRONCO	5.0	SOUTH DAKOTA CERT.	3.0
KYOSTI	5.0	ZPS-84-749	3.0
LIVINGSTON	5.0	BELMONT (798)	2.7
MERIT	5.0	FREEDOM	2.7
NUBLUE (J-229)	5.0	SUFFOLK	2.7
PST-YQ	5.0	VOYAGER	2.7
BANJO (H76-1034)	4.7	FORTUNA	2.3
BARCELONA (BAR VB 1184)	4.7		
CYNTHIA	4.7	LSD VALUE	2.4
AMAZON	4.3		
BA 74-017	4.3		
BARZAN	4.3		
COBALT	4.3		
CREST	4.3		
EVB 13.863	4.3		
J-335	4.3		
KWS PP 13-2	4.3		
UNIQUE (PST-C-76)	4.3		
BA 78-376	4.0		
GEN-RSP	4.0		
J-386	4.0		
MINNFINE (MN 2405)	4.0		
NE 80-47	4.0		
PST-A7-111	4.0		
PST-C-391	4.0		
SR 2000	4.0		
UNKNOWN	4.0		
BARONIE (BAR VB 985)	3.7		
DESTINY	3.7		
GNOME	3.7		
HAGA	3.7		
KENBLUE	3.7		
LIBERTY	3.7		
OPAL	3.7		
ALENE	3.3		

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 23. LEAF RUST RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE 1/			
NAME	ID3	NAME	ID3
GNOME	8.0	VOYAGER	4.3
RAM-1	7.7	EVB 13.863	4.0
BA 74-017	7.3	ISI-21	3.7
CREST	7.3	LIVINGSTON	3.7
DESTINY	7.3	MERION	3.7
FORTUNA	6.7	MINNFINE (MN 2405)	3.7
LIBERTY	6.5	OPAL	3.7
BELMONT (798)	6.3	SOUTH DAKOTA CERT.	3.7
MERIT	6.3	J-386	3.3
PST-C-391	6.3	BA 78-376	3.0
UNKNOWN	6.3	MONOPOLY	3.0
BARON	6.0	BARMAX (BAR VB 7037)	2.7
COBALT	6.0	GEN-RSP	2.7
EVB 13.703	6.0	PARK	2.7
MIRACLE	6.0	ZPS-84-749	2.7
SR 2000	6.0	PST-YQ	2.3
BARZAN	5.7	BAR VB 852	1.3
BRONCO	5.7		
FREEDOM	5.7	LSD VALUE	1.7
HAGA	5.7		
KYOSTI	5.7		
MIDNIGHT	5.7		
PST-C-303	5.7		
KWS PP 13-2	5.3		
SOPHIA	5.3		
UNIQUE (PST-C-76)	5.3		
ALENE	5.0		
BARONIE (BAR VB 985)	5.0		
BARSWEEP	5.0		
CHELSEA	5.0		
J-335	5.0		
NUSTAR	5.0		
BAR VB 1169	4.7		
CYNTHIA	4.7		
NE 80-47	4.7		
NJIC	4.7		
SUFFOLK	4.7		
WASHINGTON	4.7		
AMAZON	4.3		
BANJO (H76-1034)	4.3		
BARCELONA (BAR VB 1184)	4.3		
BARTITIA	4.3		
KENBLUE	4.3		
NUBLUE (J-229)	4.3		
PST-A7-111	4.3		

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 24. NECROTIC RING SPOT RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

NUMBER OF NECROTIC RING SPOTS PER PLOT 1/			
NAME	ID3	NAME	ID3
BARSWEET	3.7	MONOPOLY	0.0
BARMAX (BAR VB 7037)	3.0	NE 80-47	0.0
AMAZON	2.0	NJIC	0.0
OPAL	2.0	NUSTAR	0.0
HAGA	1.3	PARK	0.0
LIVINGSTON	0.7	PST-A7-111	0.0
SOPHIA	0.7	PST-C-303	0.0
BAR VB 1169	0.3	PST-C-391	0.0
BARCELONA (BAR VB 1184)	0.3	RAM-1	0.0
BARTITIA	0.3	SOUTH DAKOTA CERT.	0.0
CHELSEA	0.3	SR 2000	0.0
FREEDOM	0.3	SUFFOLK	0.0
J-335	0.3	UNIQUE (PST-C-76)	0.0
KWS PP 13-2	0.3	UNKNOWN	0.0
MERION	0.3	VOYAGER	0.0
MIDNIGHT	0.3	WASHINGTON	0.0
NUBLUE (J-229)	0.3	ZPS-84-749	0.0
PST-YQ	0.3		
ALENE	0.0	LSD VALUE	1.1
BA 74-017	0.0		
BA 78-376	0.0		
BANJO (H76-1034)	0.0		
BAR VB 852	0.0		
BARON	0.0		
BARONIE (BAR VB 985)	0.0		
BARZAN	0.0		
BELMONT (798)	0.0		
BRONCO	0.0		
COBALT	0.0		
CREST	0.0		
CYNTHIA	0.0		
DESTINY	0.0		
EVB 13.703	0.0		
EVB 13.863	0.0		
FORTUNA	0.0		
GEN-RSP	0.0		
GNOME	0.0		
ISI-21	0.0		
J-386	0.0		
KENBLUE	0.0		
KYOSTI	0.0		
LIBERTY	0.0		
MERIT	0.0		
MINNFINE (MN 2405)	0.0		
MIRACLE	0.0		

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 25. FALL RECOVERY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

FALL RECOVERY RATINGS 1-9; 9=BEST 1/			
NAME	NJ1	NAME	NJ1
EVB 13.703	8.0	BRONCO	3.7
GEN-RSP	8.0	CYNTHIA	3.7
ISI-21	7.7	FORTUNA	3.7
MIDNIGHT	7.7	KENBLUE	3.7
BARCELONA (BAR VB 1184)	7.3	KWS PP 13-2	3.7
COBALT	7.3	PARK	3.7
BARONIE (BAR VB 985)	7.0	ALENE	3.3
FREEDOM	7.0	BA 78-376	3.3
NJIC	7.0	BARMAX (BAR VB 7037)	3.3
SR 2000	7.0	BARZAN	3.3
AMAZON	6.7	GNOME	3.3
LIBERTY	6.7	MINNFINE (MN 2405)	3.3
BAR VB 852	6.3	NUBLUE (J-229)	3.3
BARSWEEP	6.3	SOUTH DAKOTA CERT.	3.3
LIVINGSTON	6.3	PST-A7-111	3.0
NE 80-47	6.3	ZPS-84-749	3.0
PST-C-303	6.3	MIRACLE	2.0
PST-C-391	6.3		
PST-YQ	6.3	LSD VALUE	1.6
SOPHIA	6.3		
SUFFOLK	6.3		
VOYAGER	6.3		
BAR VB 1169	6.0		
BELMONT (798)	6.0		
CREST	6.0		
DESTINY	6.0		
NUSTAR	6.0		
UNIQUE (PST-C-76)	6.0		
BARTITIA	5.7		
EVB 13.863	5.7		
J-386	5.7		
RAM-1	5.7		
BANJO (H76-1034)	5.3		
MONOPOLY	5.3		
BA 74-017	5.0		
MERIT	5.0		
UNKNOWN	5.0		
MERION	4.7		
OPAL	4.7		
CHELSEA	4.3		
HAGA	4.3		
J-335	4.3		
KYOSTI	4.3		
WASHINGTON	4.3		
BARON	4.0		

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 26. FLOOD RECOVERY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

FLOOD RECOVERY RATINGS 1-9; 9=BEST 1/			
NAME	NE1	NAME	NE1
CYNTHIA	8.0	KYOSTI	2.0
BARZAN	6.0	MINNFINE (MN 2405)	2.0
BA 74-017	5.7	PST-A7-111	2.0
DESTINY	5.7	SOUTH DAKOTA CERT.	2.0
KWS PP 13-2	5.7	ALENE	1.7
UNKNOWN	5.7	HAGA	1.7
CHELSEA	5.3	J-335	1.7
MERION	5.3	MONOPOLY	1.7
CREST	5.0	OPAL	1.7
BRONCO	4.7	PARK	1.7
EVB 13.703	4.7	WASHINGTON	1.7
FORTUNA	4.7	AMAZON	1.3
BARCELONA (BAR VB 1184)	4.3	ISI-21	1.3
MIDNIGHT	4.3	ZPS-84-749	1.3
GNOME	4.0	BAR VB 852	1.0
MERIT	4.0	NJIC	1.0
SOPHIA	4.0	VOYAGER	1.0
PST-C-303	3.7		
BARON	3.3	LSD VALUE	3.2
EVB 13.863	3.3		
LIBERTY	3.3		
PST-YQ	3.3		
SUFFOLK	3.3		
BA 78-376	3.0		
BARTITIA	3.0		
BELMONT (798)	3.0		
NUSTAR	3.0		
BANJO (H76-1034)	2.7		
BARMAX (BAR VB 7037)	2.7		
COBALT	2.7		
FREEDOM	2.7		
MIRACLE	2.7		
PST-C-391	2.7		
SR 2000	2.7		
UNIQUE (PST-C-76)	2.7		
BAR VB 1169	2.3		
KENBLUE	2.3		
LIVINGSTON	2.3		
NE 80-47	2.3		
NUBLUE (J-229)	2.3		
RAM-1	2.3		
BARONIE (BAR VB 985)	2.0		
BARSWEEP	2.0		
GEN-RSP	2.0		
J-386	2.0		

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 27. SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS
1993 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 1/			
NAME	NJI	NAME	NJI
ALENE	9.0	NUSTAR	3.7
GEN-RSP	9.0	BARONIE (BAR VB 985)	3.3
ISI-21	9.0	BELMONT (798)	3.3
KENBLUE	9.0	DESTINY	3.3
MIDNIGHT	9.0	FREEDOM	3.3
MINNFINE (MN 2405)	9.0	KWS PP 13-2	3.3
PARK	9.0	BARON	3.0
PST-A7-111	9.0	PST-C-303	3.0
ZPS-84-749	9.0	UNIQUE (PST-C-76)	3.0
SOUTH DAKOTA CERT.	8.7	MIRACLE	2.7
BA 78-376	8.3	SUFFOLK	2.7
BAR VB 852	8.0	BA 74-017	2.3
WASHINGTON	8.0	UNKNOWN	2.3
BANJO (H76-1034)	7.3	CREST	2.0
NJIC	7.3	FORTUNA	2.0
NE 80-47	7.0	MERIT	2.0
VOYAGER	7.0	PST-C-391	2.0
EVB 13.703	6.7		
EVB 13.863	6.7	LSD VALUE	1.8
J-335	6.7		
SOPHIA	6.7		
AMAZON	6.3		
J-386	6.3		
RAM-1	6.3		
MONOPOLY	6.0		
NUBLUE (J-229)	6.0		
PST-YQ	6.0		
BARMAX (BAR VB 7037)	5.7		
BRONCO	5.7		
KYOSTI	5.7		
BARCELONA (BAR VB 1184)	5.3		
BARTITIA	5.3		
BAR VB 1169	5.0		
SR 2000	5.0		
BARSWEEP	4.7		
HAGA	4.7		
CHELSEA	4.0		
COBALT	4.0		
LIBERTY	4.0		
LIVINGSTON	4.0		
MERION	4.0		
OPAL	4.0		
BARZAN	3.7		
CYNTHIA	3.7		
GNOME	3.7		

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).