

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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CONTENTS

1995 National Kentucky Bluegrass Test - 1997 data
(Low Input)

LOCATIONS SUBMITTING DATA FOR 1997.....1

NATIONAL KENTUCKY BLUEGRASS TEST, 1995 (Low Input)
 Entries and Sponsors.....2

Table A - 1997 Locations, Site Descriptions and Management Practices in
 the 1995 National Kentucky Bluegrass Test (Low Input).....3

Table B - Locations and Data Collected in 1997.....4

Table 1 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Nineteen
 Locations in the U.S and Canada.....6

Table 2 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars for Each Month Grown Under Low Input
 at Nineteen Locations in the U.S and Canada.....7

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Kentucky
 Bluegrass Cultivars Grown Under Low Input at
 Nineteen Locations in the U.S and Canada.....8

Table 4 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Different Nitrogen Levels.....9

Table 5 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Eight Locations
 using 0.0-1.0 lbs of Nitrogen / 1000 sq.ft./ Year.....10

Table 6 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Eleven Locations
 using 1.1-2.0 lbs of Nitrogen / 1000 sq.ft./ Year.....11

Table 7 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars
 Grown Under Low Input at Different Mowing Heights.....12

Table 8 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Two Locations
 using a 1.1-2.0 Inch Mowing Height.....13

Table 9 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Six Locations
 using a 2.1-2.5 Inch Mowing Height.....14

Table 10- Mean Turfgrass Quality Ratings of Kentucky Bluegrass
 Cultivars Grown Under Low Input at Eleven Locations
 using a 2.6+ Inch Mowing Height.....15

CONTENTS (continued)

Table 11 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input in Different Climatic Zones.....	16
Table 12 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Six Locations in the Transition Zone....	17
Table 13 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Eleven Locations in the Cool-Humid Zone.	18
Table 14 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Two Locations in the Cool-Arid Zone....	19
Table 15 - Genetic Color Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	20
Table 16 - Spring Greenup Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	21
Table 17 - Leaf Texture Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	22
Table 18 - Spring Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	23
Table 19 - Summer Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	24
Table 20 - Fall Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	25
Table 21 - Percent Living Ground Cover (Spring) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	26
Table 22 - Percent Living Ground Cover (Summer) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	27
Table 23 - Percent Living Ground Cover (Fall) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	28
Table 24 - Winter Color Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	29
Table 25 - Drought Tolerance (Dormancy) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	30
Table 26 - Drought Tolerance (Recovery) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	31
Table 27 - Leaf Spot Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	32

CONTENTS (continued)

Table 28 - Stem Rust Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	33
Table 29 - Dollar Spot Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	34
Table 30 - Powdery Mildew (Greenhouse Study) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	35
Table 31 - Percent Weed Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	36
Table 32 - Patch Disease Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	37
Table 33 - Dollar Spot Ratings of Kentucky Bluegrass Cultivars Grown under Low Input at Raleigh, NC.....	38

LOCATIONS SUBMITTING DATA FOR 1997

<u>State</u>	<u>Location</u>	<u>Code</u>
Iowa	Ames	IA1
Illinois	Urbana	IL1
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
North Carolina	Raleigh	NC1
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
Ohio	Columbus	OH1
Oklahoma	Stillwater	OK1
Ontario	Guelph	ON1
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
Rhode Island	Kingston	RI1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1

1995 NATIONAL KENTUCKY BLUEGRASS TEST

(Low Input)

Entries and Sponsors

Entry #	Name	Sponsor
1	Eagleton	Loft's Seed, Inc.
2	Lipoa	Deutsche Saatveredelung
3	BAR VB 233	Barenbrug Holland
4	BAR VB 3115B	Barenbrug Holland
5	BAR VB 5649	Barenbrug Holland
6	BAR VB 6820	Barenbrug Holland
7	Caliber	Peterson Seed Company
8	BH 95-199	O. M. Scott & Sons
9	Dragon (ZPS-429)	Zajac Performance Seeds
10	Blue Star	Turf-Seed & Pennington Seed Co.
11	PST-B9-196	Pure-Seed Testing, Inc.
12	North Star (PST-A7-60)	Pure-Seed Testing & Turf-Seed
13	Baron	Standard Entry
14	Kenblue	Standard Entry
15	South Dakota	Standard Entry
16	Canterbury	Jonathan Green & Sons
17	VB 16015	International Seeds, Inc.
18	MTT 683	Turf Merchants, Inc.
19	Baronie	Barenbrug USA
20	Bartitia	Barenbrug USA
21	Baruzo	Barenbrug USA

TABLE A.

1997 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1995 NATIONAL KENTUCKY BLUEGRASS TEST (LOW INPUT)

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
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	0.0-1.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
MI1	SANDY LOAM	7.1-7.5	0-60	0-150	0.0-1.0	FULL SUN	4.1+	NO IRRIGATION
MO1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
NC1	-	6.1-6.5	61-150	-	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
NE1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	0.0-1.0	FULL SUN	2.6-3.0	60% ETP IRRIGATION
NJ1	SANDY LOAM	5.6-6.0	271-450	151-240	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
OH1	SILTY CLAY LOAM	7.1-7.5	0-60	151-240	0.0-1.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
OK1	SILTY CLAY LOAM	6.6-7.0	61-150	501+	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
ON1	SANDY LOAM	7.6-8.5	0-60	0-150	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
QE1	LOAMY SAND	7.1-7.5	0-60	0-150	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
RI1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	1.1-1.5	NO IRRIGATION
UB1	SILT LOAM AND SILT	5.6-6.0	271-450	151-240	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
UT1	SILT LOAM AND SILT	7.6-8.5	0-60	0-150	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	1.1-2.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
WA1	SILT LOAM AND SILT	6.1-6.5	271-450	501+	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1997

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	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY
IA1					X	X	X	X	X	X			X	X	X			
IL1				X	X	X	X	X	X	X			X	X	X	X	X	
KY1			X	X	X	X	X	X	X	X			X	X	X			
MI1					X	X	X	X	X	X	X		X	X	X			
MO1			X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NC1	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X
NE1				X	X	X	X	X	X	X			X	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			
OH1					X	X		X	X	X			X	X	X			
OK1				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ON1					X	X	X	X	X	X			X	X	X	X	X	X
PA1					X	X	X	X	X	X			X	X	X			
QE1					X	X	X	X	X	X	X		X	X	X	X	X	X
RI1				X	X	X	X	X	X	X	X		X		X			
UB1				X	X	X	X	X	X	X	X		X	X	X			
UT1					X	X	X	X	X	X	X		X	X	X	X		
VA1			X	X	X	X	X	X	X	X	X	X	X	X	X			
WA1				X	X	X	X	X	X	X			X	X	X			

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1997

LOCATION	PERCENT COVER	PERCENT COVER	PERCENT COVER	WINTER COLOR	DROUGHT TOLERANCE	DROUGHT TOLERANCE	LEAF SPOT	STEM RUST	DOLLAR SPOT	POWDERY MILDEW	PERCENT WEEDS	PATCH DISEASE RATINGS				DOLLAR SPOT RATINGS	SPOT RATINGS
	SPRING	SUMMER	FALL		DORMANCY	RECOVERY						JULY 16	AUG. 14	AUG. 27	OCT. 7	AUGUST	SEPTEMBER
IA1																	
IL1																	
KY1												X	X	X	X		
MI1																	
MO1	X	X	X														
NC1	X	X	X	X				X								X	X
NE1																	
NJ1										X							
NJ2		X					X										
OH1																	
OK1	X	X	X						X								
ON1																	
PA1																	
QE1																	
RI1																	
UB1				X	X	X	X					X					
UT1				X													
VA1																	
WA1																	

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT NINETEEN LOCATIONS IN THE U.S. AND CANADA 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/																			
	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	NJ2	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1	WA1	MEAN
BAR VB 3115B	6.4	5.7	5.0	5.4	5.6	4.7	7.0	5.4	4.8	7.8	4.5	7.6	4.2	5.5	4.9	6.3	5.8	3.3	4.1	5.5
* BARON	5.8	4.7	7.8	4.9	5.9	5.8	6.5	4.5	4.7	7.7	4.1	7.4	4.5	5.2	5.4	5.0	6.0	2.9	4.6	5.4
* EAGLETON	6.3	5.2	6.6	3.9	5.9	4.8	6.7	4.8	4.8	8.1	4.2	7.5	5.4	5.4	4.8	4.4	5.7	3.1	4.7	5.4
BAR VB 233	6.0	5.5	4.7	6.0	5.6	5.5	6.7	4.1	3.9	7.6	4.1	8.0	4.8	5.6	5.2	5.8	5.5	2.7	4.8	5.4
* NORTH STAR (PST-A7-60)	5.1	5.2	7.0	5.1	5.9	5.7	6.7	4.9	4.7	7.7	4.2	7.6	3.9	5.1	5.5	4.7	5.4	3.0	4.6	5.4
* CALIBER	6.0	5.6	6.5	4.8	5.3	5.3	6.6	3.5	4.3	7.6	4.6	7.1	4.7	5.6	5.3	5.1	5.6	3.2	4.4	5.3
* BARONIE	5.7	5.0	7.8	4.7	5.5	6.0	6.6	4.3	3.9	7.8	5.2	7.5	4.1	5.2	4.0	4.8	5.6	2.8	4.3	5.3
BAR VB 5649	5.3	4.9	5.0	5.3	5.4	5.4	6.9	4.3	4.5	7.9	4.4	6.9	4.8	5.6	4.9	5.3	5.5	3.2	4.3	5.3
* BARTITIA	5.7	5.4	6.3	4.5	5.7	5.3	6.7	5.1	4.4	7.7	3.7	6.9	4.4	5.5	5.1	4.9	4.8	2.8	4.3	5.2
* DRAGON (ZPS-429)	5.0	5.0	6.7	4.1	4.9	4.7	7.0	4.9	4.5	7.9	4.7	7.4	4.6	5.5	5.2	4.5	5.3	2.7	4.1	5.2
* CANTERBURY	5.8	5.0	7.5	4.6	5.0	5.7	6.7	4.1	3.9	7.5	4.7	6.3	4.4	5.3	3.9	4.4	5.0	2.9	4.2	5.1
BH 95-199	5.3	4.4	6.1	4.8	4.8	5.5	6.7	4.4	3.9	7.8	4.5	6.8	4.1	5.0	4.6	4.6	5.9	2.8	4.1	5.1
PST-B9-196	4.9	4.4	6.9	4.4	4.8	5.5	6.6	4.2	4.6	7.9	3.9	7.2	4.3	5.1	3.8	5.0	5.5	2.7	4.4	5.1
* BLUE STAR	5.2	4.6	7.3	4.8	5.6	5.2	6.5	3.2	4.2	7.9	4.1	6.7	3.8	4.9	5.2	4.2	5.3	2.8	4.2	5.0
* BARUZO	5.1	5.0	6.1	5.1	5.1	4.3	6.4	4.9	3.4	7.9	3.0	7.0	4.1	5.4	4.4	4.0	5.7	3.2	4.6	5.0
* SOUTH DAKOTA	6.1	5.0	5.6	4.8	5.2	4.3	6.1	3.4	4.6	7.3	3.8	6.4	5.1	5.8	5.2	3.8	5.4	3.3	3.3	5.0
BAR VB 6820	3.7	4.3	4.8	5.0	5.1	4.8	5.5	4.4	4.3	7.8	3.7	6.7	4.2	5.1	4.7	4.8	6.5	3.2	4.9	4.9
MTT 683	4.5	4.6	5.0	5.2	5.7	4.8	6.2	4.5	3.9	7.8	3.2	6.7	4.3	4.9	3.1	4.7	6.1	2.9	4.8	4.9
VB 16015	4.7	4.2	6.2	4.2	4.5	5.3	6.7	4.1	4.2	8.1	3.6	7.1	3.9	5.1	3.0	4.4	5.2	2.9	4.9	4.9
* KENBLUE	5.8	4.6	5.8	4.4	5.1	4.2	5.7	3.8	4.3	6.9	4.4	6.3	4.6	6.0	5.6	3.5	4.8	3.3	3.0	4.8
* LIPOA	4.2	4.8	4.6	4.5	5.7	4.0	6.6	3.6	3.6	7.7	3.4	6.3	3.7	5.3	3.8	4.3	4.6	2.2	4.0	4.6
LSD VALUE	0.9	0.9	1.2	1.1	0.7	0.9	0.6	1.4	1.1	0.4	1.1	1.2	0.7	0.4	0.6	0.6	0.8	0.4	0.7	0.2
C.V. (%)	10.9	11.4	11.8	14.9	8.3	11.6	5.9	19.7	16.2	3.6	16.8	10.7	9.4	5.2	7.6	8.0	9.2	9.4	10.2	10.7

* COMMERCIALY AVAILABLE IN THE USA IN 1998.

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH
MONTH GROWN UNDER LOW INPUT AT NINETEEN LOCATIONS IN THE U.S. AND CANADA 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BAR VB 3115B	5.3	5.0	4.3	5.0	5.2	5.8	5.4	5.4	5.6	5.5	4.9	4.2	5.5
BARON	6.0	5.3	5.3	5.1	5.2	5.2	5.3	5.6	5.7	5.7	4.9	3.2	5.4
EAGLETON	5.0	4.7	4.7	4.8	5.0	5.2	5.2	5.6	5.8	5.4	4.7	3.7	5.4
BAR VB 233	5.7	5.7	4.8	5.3	5.4	5.7	5.1	5.2	5.3	5.4	4.7	3.7	5.4
NORTH STAR (PST-A7-60)	5.7	5.3	5.1	4.7	5.1	5.7	5.3	5.4	5.4	5.6	4.8	3.7	5.4
CALIBER	5.0	5.0	5.1	5.3	5.2	5.3	5.1	5.2	5.5	5.5	4.7	4.0	5.3
BARONIE	5.7	5.3	5.8	5.6	5.4	5.4	4.8	4.9	5.3	5.7	5.0	4.2	5.3
BAR VB 5649	5.3	5.7	4.6	5.0	5.2	5.4	5.0	5.0	5.3	5.5	4.8	3.8	5.3
BARTITIA	5.7	5.0	4.8	4.5	4.9	5.4	5.3	5.2	5.4	5.4	4.6	3.2	5.2
DRAGON (ZPS-429)	4.7	4.7	4.7	4.9	5.0	5.2	4.9	5.2	5.4	5.4	4.8	3.7	5.2
CANTERBURY	6.0	5.3	6.0	5.2	5.2	5.1	4.7	4.7	5.2	5.4	4.5	4.2	5.1
BH 95-199	6.0	5.3	4.7	4.8	5.0	5.3	4.9	4.7	5.1	5.3	4.7	3.7	5.1
PST-B9-196	5.7	5.7	5.3	5.0	5.2	5.1	4.7	4.7	5.0	5.1	4.7	3.5	5.1
BLUE STAR	5.0	5.0	4.8	5.1	5.0	5.1	4.9	4.9	5.0	5.3	4.5	3.2	5.0
BARUZO	4.0	4.0	4.5	4.3	4.7	5.1	4.9	4.9	5.1	5.4	4.7	2.5	5.0
SOUTH DAKOTA	4.7	4.0	4.8	4.7	4.6	4.4	5.0	5.1	5.1	5.3	4.9	3.7	5.0
BAR VB 6820	4.3	4.3	4.0	4.1	4.4	5.4	4.9	4.9	5.1	5.1	4.9	3.3	4.9
MTT 683	4.0	4.0	4.3	4.1	4.6	5.5	4.8	4.8	4.9	5.1	4.3	2.5	4.9
VB 16015	5.3	5.0	4.9	4.7	4.9	5.1	4.6	4.6	4.8	4.9	4.3	3.2	4.9
KENBLUE	4.3	4.0	5.3	4.6	4.1	4.3	4.7	5.0	5.3	5.3	4.5	4.3	4.8
LIPOA	4.0	4.0	4.3	4.6	4.7	4.9	4.1	4.1	4.5	4.7	4.3	2.5	4.6
LSD VALUE	1.1	0.8	1.1	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	1.2	0.5
C.V. (%)	12.8	10.7	27.1	27.4	30.8	31.2	34.3	33.3	33.5	34.2	28.6	29.9	25.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT NINETEEN LOCATIONS IN THE U.S. AND CANADA 1/
1997 DATA

QUALITY RANKINGS; 1=LOWEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	NJ2	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1	WA1	MEAN
BAR VB 3115B	1.0	1.0	17.0	2.0	7.0	16.5	2.0	1.0	2.0	10.0	5	3.0	14.0	6.5	10.0	1.0	5.0	2.5	16.5	1
BARON	7.5	14.0	2.0	8.0	3.0	2.0	15.0	8.0	3.5	13.5	13	6.0	8.0	14.0	3.0	6.0	3.0	11.0	7.5	2
EAGLETON	2.0	5.0	8.0	21.0	1.5	14.0	8.5	6.0	1.0	2.0	9	4.5	1.0	9.0	12.0	16.0	7.0	8.0	5.0	3
BAR VB 233	4.5	3.0	20.0	1.0	9.0	7.0	8.5	14.5	15.5	18.0	11	1.0	3.5	4.0	7.5	2.0	10.5	20.0	3.0	4
NORTH STAR (PST-A7-60)	15.0	6.0	5.0	5.0	1.5	4.0	8.5	3.5	3.5	15.5	10	2.0	18.5	15.0	2.0	10.5	14.0	9.0	7.5	5
CALIBER	4.5	2.0	9.0	9.0	12.0	11.0	13.5	19.0	10.5	17.0	4	9.0	5.0	3.0	4.0	4.0	9.0	6.5	9.0	6
BARONIE	9.5	11.0	1.0	13.0	10.0	1.0	11.5	11.5	18.0	10.0	1	4.5	15.0	13.0	16.0	8.0	8.0	14.0	12.5	7
BAR VB 5649	12.0	12.0	17.0	3.0	11.0	8.0	3.0	11.5	7.5	7.0	8	12.0	3.5	5.0	11.0	3.0	12.0	4.0	11.0	8
BARTITIA	9.5	4.0	10.0	15.0	4.5	10.0	5.5	2.0	9.0	15.5	17	13.0	9.5	8.0	9.0	7.0	19.0	17.0	12.5	9
DRAGON (ZPS-429)	16.0	9.5	7.0	20.0	18.0	16.5	1.0	3.5	7.5	4.5	2	7.0	6.5	6.5	7.5	13.0	15.5	18.5	18.0	10
CANTERBURY	6.0	7.0	3.0	14.0	17.0	3.0	8.5	16.0	15.5	19.0	3	19.0	9.5	11.0	17.0	14.5	18.0	11.0	14.5	11
BH 95-199	11.0	18.0	12.5	11.5	19.5	5.0	5.5	9.0	17.0	10.0	6	14.0	16.5	19.0	14.0	12.0	4.0	16.0	16.5	12
PST-B9-196	17.0	19.0	6.0	18.0	19.5	6.0	11.5	13.0	6.0	4.5	14	8.0	11.0	17.0	18.5	5.0	10.5	18.5	10.0	13
BLUE STAR	13.0	16.0	4.0	10.0	8.0	12.0	16.0	21.0	14.0	4.5	12	15.5	20.0	21.0	5.5	18.0	15.5	15.0	14.5	14
BARUZO	14.0	8.0	12.5	6.0	14.0	18.5	17.0	5.0	21.0	4.5	21	11.0	16.5	10.0	15.0	19.0	6.0	5.0	6.0	15
SOUTH DAKOTA	3.0	9.5	15.0	11.5	13.0	18.5	19.0	20.0	5.0	20.0	15	18.0	2.0	2.0	5.5	20.0	13.0	1.0	20.0	16
BAR VB 6820	21.0	20.0	19.0	7.0	15.0	13.0	21.0	10.0	10.5	10.0	16	17.0	13.0	17.0	13.0	9.0	1.0	6.5	1.0	17
MTT 683	19.0	16.0	17.0	4.0	6.0	15.0	18.0	7.0	19.0	10.0	20	15.5	12.0	20.0	20.0	10.5	2.0	11.0	4.0	18
VB 16015	18.0	21.0	11.0	19.0	21.0	9.0	4.0	14.5	13.0	1.0	18	10.0	18.5	17.0	21.0	14.5	17.0	13.0	2.0	19
KENBLUE	7.5	16.0	14.0	17.0	16.0	20.0	20.0	17.0	12.0	21.0	7	20.5	6.5	1.0	1.0	21.0	20.0	2.5	21.0	20
LIPOA	20.0	13.0	21.0	16.0	4.5	21.0	13.5	18.0	20.0	13.5	19	20.5	21.0	12.0	18.5	17.0	21.0	21.0	19.0	21

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
GROWN UNDER LOW INPUT AT DIFFERENT NITROGEN LEVELS 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NITROGEN LEVELS (LBS OF N/1000 SQ. FT./YEAR)		MEAN
	0.0-1.0	1.1-2.0	
BAR VB 3115B	6.1	5.0	5.5
BARON	5.6	5.3	5.4
EAGLETON	5.6	5.2	5.4
BAR VB 233	5.9	5.0	5.4
NORTH STAR (PST-A7-60)	5.5	5.2	5.4
CALIBER	5.7	5.0	5.3
BARONIE	5.5	5.2	5.3
BAR VB 5649	5.7	4.9	5.3
BARTITIA	5.6	4.9	5.2
DRAGON (ZPS-429)	5.4	5.0	5.2
CANTERBURY	5.4	4.9	5.1
BH 95-199	5.3	4.9	5.1
PST-B9-196	5.4	4.8	5.1
BLUE STAR	5.3	4.9	5.0
BARUZO	5.3	4.8	5.0
SOUTH DAKOTA	5.4	4.6	5.0
BAR VB 6820	5.1	4.8	4.9
MTT 683	5.2	4.6	4.9
VB 16015	5.2	4.6	4.9
KENBLUE	5.1	4.6	4.8
LIPOA	5.1	4.2	4.6
LSD VALUE	0.3	0.3	0.2
C.V. (%)	9.4	11.8	10.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
 GROWN UNDER LOW INPUT AT EIGHT LOCATIONS
 USING 0.0-1.0 LBS OF NITROGEN / 1000 SQ. FT. / YEAR 1/
 1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	MI1	NE1	NJ2	OH1	QE1	UB1	MEAN
BAR VB 3115B	6.4	5.7	5.4	7.0	4.8	7.8	5.5	6.3	6.1
BAR VB 233	6.0	5.5	6.0	6.7	3.9	7.6	5.6	5.8	5.9
CALIBER	6.0	5.6	4.8	6.6	4.3	7.6	5.6	5.1	5.7
BAR VB 5649	5.3	4.9	5.3	6.9	4.5	7.9	5.6	5.3	5.7
BARTITIA	5.7	5.4	4.5	6.7	4.4	7.7	5.5	4.9	5.6
EAGLETON	6.3	5.2	3.9	6.7	4.8	8.1	5.4	4.4	5.6
BARON	5.8	4.7	4.9	6.5	4.7	7.7	5.2	5.0	5.6
NORTH STAR (PST-A7-60)	5.1	5.2	5.1	6.7	4.7	7.7	5.1	4.7	5.5
BARONIE	5.7	5.0	4.7	6.6	3.9	7.8	5.2	4.8	5.5
DRAGON (ZPS-429)	5.0	5.0	4.1	7.0	4.5	7.9	5.5	4.5	5.4
SOUTH DAKOTA	6.1	5.0	4.8	6.1	4.6	7.3	5.8	3.8	5.4
CANTERBURY	5.8	5.0	4.6	6.7	3.9	7.5	5.3	4.4	5.4
PST-B9-196	4.9	4.4	4.4	6.6	4.6	7.9	5.1	5.0	5.4
BH 95-199	5.3	4.4	4.8	6.7	3.9	7.8	5.0	4.6	5.3
BARUZO	5.1	5.0	5.1	6.4	3.4	7.9	5.4	4.0	5.3
BLUE STAR	5.2	4.6	4.8	6.5	4.2	7.9	4.9	4.2	5.3
MTT 683	4.5	4.6	5.2	6.2	3.9	7.8	4.9	4.7	5.2
VB 16015	4.7	4.2	4.2	6.7	4.2	8.1	5.1	4.4	5.2
KENBLUE	5.8	4.6	4.4	5.7	4.3	6.9	6.0	3.5	5.1
LIPOA	4.2	4.8	4.5	6.6	3.6	7.7	5.3	4.3	5.1
BAR VB 6820	3.7	4.3	5.0	5.5	4.3	7.8	5.1	4.8	5.1
LSD VALUE	0.9	0.9	1.1	0.6	1.1	0.4	0.4	0.6	0.3
C.V. (%)	10.9	11.4	14.9	5.9	16.2	3.6	5.2	8.0	9.4

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
 GROWN UNDER LOW INPUT AT ELEVEN LOCATIONS
 USING 1.1-2.0 LBS OF NITROGEN / 1000 SQ. FT. / YEAR 1/
 1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	KY1	MO1	NC1	NJ1	OK1	ON1	PA1	RI1	UT1	VA1	WA1	MEAN
BARON	7.8	5.9	5.8	4.5	4.1	7.4	4.5	5.4	6.0	2.9	4.6	5.3
NORTH STAR (PST-A7-60)	7.0	5.9	5.7	4.9	4.2	7.6	3.9	5.5	5.4	3.0	4.6	5.2
EAGLETON	6.6	5.9	4.8	4.8	4.2	7.5	5.4	4.8	5.7	3.1	4.7	5.2
BARONIE	7.8	5.5	6.0	4.3	5.2	7.5	4.1	4.0	5.6	2.8	4.3	5.2
CALIBER	6.5	5.3	5.3	3.5	4.6	7.1	4.7	5.3	5.6	3.2	4.4	5.0
DRAGON (ZPS-429)	6.7	4.9	4.7	4.9	4.7	7.4	4.6	5.2	5.3	2.7	4.1	5.0
BAR VB 3115B	5.0	5.6	4.7	5.4	4.5	7.6	4.2	4.9	5.8	3.3	4.1	5.0
BAR VB 233	4.7	5.6	5.5	4.1	4.1	8.0	4.8	5.2	5.5	2.7	4.8	5.0
BARTITIA	6.3	5.7	5.3	5.1	3.7	6.9	4.4	5.1	4.8	2.8	4.3	4.9
BAR VB 5649	5.0	5.4	5.4	4.3	4.4	6.9	4.8	4.9	5.5	3.2	4.3	4.9
CANTERBURY	7.5	5.0	5.7	4.1	4.7	6.3	4.4	3.9	5.0	2.9	4.2	4.9
BH 95-199	6.1	4.8	5.5	4.4	4.5	6.8	4.1	4.6	5.9	2.8	4.1	4.9
BLUE STAR	7.3	5.6	5.2	3.2	4.1	6.7	3.8	5.2	5.3	2.8	4.2	4.9
PST-B9-196	6.9	4.8	5.5	4.2	3.9	7.2	4.3	3.8	5.5	2.7	4.4	4.8
BAR VB 6820	4.8	5.1	4.8	4.4	3.7	6.7	4.2	4.7	6.5	3.2	4.9	4.8
BARUZO	6.1	5.1	4.3	4.9	3.0	7.0	4.1	4.4	5.7	3.2	4.6	4.8
SOUTH DAKOTA	5.6	5.2	4.3	3.4	3.8	6.4	5.1	5.2	5.4	3.3	3.3	4.6
MTT 683	5.0	5.7	4.8	4.5	3.2	6.7	4.3	3.1	6.1	2.9	4.8	4.6
KENBLUE	5.8	5.1	4.2	3.8	4.4	6.3	4.6	5.6	4.8	3.3	3.0	4.6
VB 16015	6.2	4.5	5.3	4.1	3.6	7.1	3.9	3.0	5.2	2.9	4.9	4.6
LIPOA	4.6	5.7	4.0	3.6	3.4	6.3	3.7	3.8	4.6	2.2	4.0	4.2
LSD VALUE	1.2	0.7	0.9	1.4	1.1	1.2	0.7	0.6	0.8	0.4	0.7	0.3
C.V. (%)	11.8	8.3	11.6	19.7	16.8	10.7	9.4	7.6	9.2	9.4	10.2	11.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT DIFFERENT MOWING HEIGHTS 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MOWING HEIGHTS (INCHES)			MEAN
	1.1-2.0	2.1-2.5	2.6+	
BAR VB 3115B	5.6	4.7	5.9	5.5
BARON	5.2	4.8	5.8	5.4
EAGLETON	4.6	4.7	5.9	5.4
BAR VB 233	5.5	4.7	5.8	5.4
NORTH STAR (PST-A7-60)	5.1	4.7	5.7	5.4
CALIBER	5.2	4.7	5.7	5.3
BARONIE	4.4	4.6	5.9	5.3
BAR VB 5649	5.1	4.6	5.6	5.3
BARTITIA	5.0	4.5	5.7	5.2
DRAGON (ZPS-429)	4.9	4.4	5.7	5.2
CANTERBURY	4.1	4.5	5.6	5.1
BH 95-199	4.6	4.4	5.5	5.1
PST-B9-196	4.4	4.5	5.5	5.1
BLUE STAR	4.7	4.4	5.4	5.0
BARUZO	4.2	4.4	5.5	5.0
SOUTH DAKOTA	4.5	4.3	5.4	5.0
BAR VB 6820	4.7	4.7	5.1	4.9
MTT 683	3.9	4.5	5.3	4.9
VB 16015	3.7	4.5	5.3	4.9
KENBLUE	4.5	4.0	5.3	4.8
LIPOA	4.0	3.9	5.1	4.6
LSD VALUE	0.4	0.3	0.3	0.2
C.V. (%)	7.8	11.7	10.6	10.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT TWO LOCATIONS
USING A 1.1-2.0 INCH MOWING HEIGHT 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	RI1	UB1	MEAN
BAR VB 3115B	4.9	6.3	5.6
BAR VB 233	5.2	5.8	5.5
CALIBER	5.3	5.1	5.2
BARON	5.4	5.0	5.2
NORTH STAR (PST-A7-60)	5.5	4.7	5.1
BAR VB 5649	4.9	5.3	5.1
BARTITIA	5.1	4.9	5.0
DRAGON (ZPS-429)	5.2	4.5	4.9
BAR VB 6820	4.7	4.8	4.7
BLUE STAR	5.2	4.2	4.7
BH 95-199	4.6	4.6	4.6
EAGLETON	4.8	4.4	4.6
KENBLUE	5.6	3.5	4.5
SOUTH DAKOTA	5.2	3.8	4.5
BARONIE	4.0	4.8	4.4
PST-B9-196	3.8	5.0	4.4
BARUZO	4.4	4.0	4.2
CANTERBURY	3.9	4.4	4.1
LIPOA	3.8	4.3	4.0
MTT 683	3.1	4.7	3.9
VB 16015	3.0	4.4	3.7
LSD VALUE	0.6	0.6	0.4
C.V. (%)	7.6	8.0	7.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT SIX LOCATIONS
USING A 2.1-2.5 INCH MOWING HEIGHT 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	IL1	NC1	NJ2	UT1	VA1	WA1	
BARON	4.7	5.8	4.7	6.0	2.9	4.6	4.8
NORTH STAR (PST-A7-60)	5.2	5.7	4.7	5.4	3.0	4.6	4.7
CALIBER	5.6	5.3	4.3	5.6	3.2	4.4	4.7
BAR VB 3115B	5.7	4.7	4.8	5.8	3.3	4.1	4.7
EAGLETON	5.2	4.8	4.8	5.7	3.1	4.7	4.7
BAR VB 6820	4.3	4.8	4.3	6.5	3.2	4.9	4.7
BAR VB 233	5.5	5.5	3.9	5.5	2.7	4.8	4.7
BAR VB 5649	4.9	5.4	4.5	5.5	3.2	4.3	4.6
BARONIE	5.0	6.0	3.9	5.6	2.8	4.3	4.6
EST-B9-196	4.4	5.5	4.6	5.5	2.7	4.4	4.5
MTT 683	4.6	4.8	3.9	6.1	2.9	4.8	4.5
BARTITIA	5.4	5.3	4.4	4.8	2.8	4.3	4.5
CANTERBURY	5.0	5.7	3.9	5.0	2.9	4.2	4.5
VB 16015	4.2	5.3	4.2	5.2	2.9	4.9	4.5
BH 95-199	4.4	5.5	3.9	5.9	2.8	4.1	4.4
DRAGON (ZPS-429)	5.0	4.7	4.5	5.3	2.7	4.1	4.4
BARUZO	5.0	4.3	3.4	5.7	3.2	4.6	4.4
BLUE STAR	4.6	5.2	4.2	5.3	2.8	4.2	4.4
SOUTH DAKOTA	5.0	4.3	4.6	5.4	3.3	3.3	4.3
KENBLUE	4.6	4.2	4.3	4.8	3.3	3.0	4.0
LIPOA	4.8	4.0	3.6	4.6	2.2	4.0	3.9
LSD VALUE	0.9	0.9	1.1	0.8	0.4	0.7	0.3
C.V. (%)	11.4	11.6	16.2	9.2	9.4	10.2	11.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT ELEVEN LOCATIONS
USING A 2.6+ INCH MOWING HEIGHT 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	IA1	KY1	MI1	MO1	NE1	NJ1	OH1	OK1	ON1	PA1	QE1	MEAN
EAGLETON	6.3	6.6	3.9	5.9	6.7	4.8	8.1	4.2	7.5	5.4	5.4	5.9
BARONIE	5.7	7.8	4.7	5.5	6.6	4.3	7.8	5.2	7.5	4.1	5.2	5.9
BAR VB 3115B	6.4	5.0	5.4	5.6	7.0	5.4	7.8	4.5	7.6	4.2	5.5	5.9
BARON	5.8	7.8	4.9	5.9	6.5	4.5	7.7	4.1	7.4	4.5	5.2	5.8
BAR VB 233	6.0	4.7	6.0	5.6	6.7	4.1	7.6	4.1	8.0	4.8	5.6	5.8
NORTH STAR (PST-A7-60)	5.1	7.0	5.1	5.9	6.7	4.9	7.7	4.2	7.6	3.9	5.1	5.7
DRAGON (ZPS-429)	5.0	6.7	4.1	4.9	7.0	4.9	7.9	4.7	7.4	4.6	5.5	5.7
CALIBER	6.0	6.5	4.8	5.3	6.6	3.5	7.6	4.6	7.1	4.7	5.6	5.7
BARTITIA	5.7	6.3	4.5	5.7	6.7	5.1	7.7	3.7	6.9	4.4	5.5	5.7
CANTERBURY	5.8	7.5	4.6	5.0	6.7	4.1	7.5	4.7	6.3	4.4	5.3	5.6
BAR VB 5649	5.3	5.0	5.3	5.4	6.9	4.3	7.9	4.4	6.9	4.8	5.6	5.6
BH 95-199	5.3	6.1	4.8	4.8	6.7	4.4	7.8	4.5	6.8	4.1	5.0	5.5
BARUZO	5.1	6.1	5.1	5.1	6.4	4.9	7.9	3.0	7.0	4.1	5.4	5.5
PST-B9-196	4.9	6.9	4.4	4.8	6.6	4.2	7.9	3.9	7.2	4.3	5.1	5.5
BLUE STAR	5.2	7.3	4.8	5.6	6.5	3.2	7.9	4.1	6.7	3.8	4.9	5.4
SOUTH DAKOTA	6.1	5.6	4.8	5.2	6.1	3.4	7.3	3.8	6.4	5.1	5.8	5.4
KENBLUE	5.8	5.8	4.4	5.1	5.7	3.8	6.9	4.4	6.3	4.6	6.0	5.3
VB 16015	4.7	6.2	4.2	4.5	6.7	4.1	8.1	3.6	7.1	3.9	5.1	5.3
MTT 683	4.5	5.0	5.2	5.7	6.2	4.5	7.8	3.2	6.7	4.3	4.9	5.3
BAR VB 6820	3.7	4.8	5.0	5.1	5.5	4.4	7.8	3.7	6.7	4.2	5.1	5.1
LIPOA	4.2	4.6	4.5	5.7	6.6	3.6	7.7	3.4	6.3	3.7	5.3	5.1
LSD VALUE	0.9	1.2	1.1	0.7	0.6	1.4	0.4	1.1	1.2	0.7	0.4	0.3
C.V. (%)	10.9	11.8	14.9	8.3	5.9	19.7	3.6	16.8	10.7	9.4	5.2	10.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT IN DIFFERENT CLIMATIC ZONES 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	TRANSITION	COOL-HUMID	COOL-ARID	MEAN
	ZONE	ZONE	ZONE	
BAR VB 3115B	4.9	5.9	5.0	5.5
BARON	5.2	5.6	5.3	5.4
EAGLETON	4.8	5.7	5.2	5.4
BAR VB 233	4.7	5.8	5.2	5.4
NORTH STAR (PST-A7-60)	5.1	5.6	5.0	5.4
CALIBER	5.0	5.6	5.0	5.3
BARONIE	5.4	5.3	5.0	5.3
BAR VB 5649	4.8	5.6	4.9	5.3
BARTITIA	4.8	5.6	4.5	5.2
DRAGON (ZPS-429)	4.7	5.6	4.7	5.2
CANTERBURY	5.0	5.2	4.6	5.1
BH 95-199	4.7	5.3	5.0	5.1
PST-B9-196	4.8	5.2	5.0	5.1
BLUE STAR	4.9	5.2	4.7	5.0
BARUZO	4.3	5.3	5.2	5.0
SOUTH DAKOTA	4.3	5.4	4.4	5.0
BAR VB 6820	4.4	5.1	5.7	4.9
MTT 683	4.4	5.1	5.5	4.9
VB 16015	4.5	5.0	5.0	4.9
KENBLUE	4.4	5.3	3.9	4.8
LIPOA	4.0	4.9	4.3	4.6
LSD VALUE	0.4	0.3	0.5	0.2
C.V. (%)	11.5	10.5	9.7	10.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT SIX LOCATIONS
IN THE TRANSITION ZONE 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KY1	MO1	NC1	OK1	UB1	VA1	MEAN
BARONIE	7.8	5.5	6.0	5.2	4.8	2.8	5.4
BARON	7.8	5.9	5.8	4.1	5.0	2.9	5.2
NORTH STAR (PST-A7-60)	7.0	5.9	5.7	4.2	4.7	3.0	5.1
CANTERBURY	7.5	5.0	5.7	4.7	4.4	2.9	5.0
CALIBER	6.5	5.3	5.3	4.6	5.1	3.2	5.0
BAR VB 3115B	5.0	5.6	4.7	4.5	6.3	3.3	4.9
BLUE STAR	7.3	5.6	5.2	4.1	4.2	2.8	4.9
EAGLETON	6.6	5.9	4.8	4.2	4.4	3.1	4.8
PST-B9-196	6.9	4.8	5.5	3.9	5.0	2.7	4.8
BAR VB 5649	5.0	5.4	5.4	4.4	5.3	3.2	4.8
BARTITIA	6.3	5.7	5.3	3.7	4.9	2.8	4.8
BH 95-199	6.1	4.8	5.5	4.5	4.6	2.8	4.7
DRAGON (ZPS-429)	6.7	4.9	4.7	4.7	4.5	2.7	4.7
BAR VB 233	4.7	5.6	5.5	4.1	5.8	2.7	4.7
VB 16015	6.2	4.5	5.3	3.6	4.4	2.9	4.5
BAR VB 6820	4.8	5.1	4.8	3.7	4.8	3.2	4.4
MTT 683	5.0	5.7	4.8	3.2	4.7	2.9	4.4
KENBLUE	5.8	5.1	4.2	4.4	3.5	3.3	4.4
SOUTH DAKOTA	5.6	5.2	4.3	3.8	3.8	3.3	4.3
BARUZO	6.1	5.1	4.3	3.0	4.0	3.2	4.3
LIPOA	4.6	5.7	4.0	3.4	4.3	2.2	4.0
LSD VALUE	1.2	0.7	0.9	1.1	0.6	0.4	0.4
C.V. (%)	11.8	8.3	11.6	16.8	8.0	9.4	11.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT ELEVEN LOCATIONS
IN THE COOL-HUMID ZONE 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	IA1	IL1	MI1	NE1	OH1	NJ1	NJ2	ON1	PA1	QE1	RI1	MEAN
BAR VB 3115B	6.4	5.7	5.4	7.0	7.8	5.4	4.8	7.6	4.2	5.5	4.9	5.9
BAR VB 233	6.0	5.5	6.0	6.7	7.6	4.1	3.9	8.0	4.8	5.6	5.2	5.8
EAGLETON	6.3	5.2	3.9	6.7	8.1	4.8	4.8	7.5	5.4	5.4	4.8	5.7
BARTITIA	5.7	5.4	4.5	6.7	7.7	5.1	4.4	6.9	4.4	5.5	5.1	5.6
NORTH STAR (PST-A7-60)	5.1	5.2	5.1	6.7	7.7	4.9	4.7	7.6	3.9	5.1	5.5	5.6
BARON	5.8	4.7	4.9	6.5	7.7	4.5	4.7	7.4	4.5	5.2	5.4	5.6
BAR VB 5649	5.3	4.9	5.3	6.9	7.9	4.3	4.5	6.9	4.8	5.6	4.9	5.6
CALIBER	6.0	5.6	4.8	6.6	7.6	3.5	4.3	7.1	4.7	5.6	5.3	5.6
DRAGON (ZPS-429)	5.0	5.0	4.1	7.0	7.9	4.9	4.5	7.4	4.6	5.5	5.2	5.6
SOUTH DAKOTA	6.1	5.0	4.8	6.1	7.3	3.4	4.6	6.4	5.1	5.8	5.2	5.4
BARONIE	5.7	5.0	4.7	6.6	7.8	4.3	3.9	7.5	4.1	5.2	4.0	5.3
BARUZO	5.1	5.0	5.1	6.4	7.9	4.9	3.4	7.0	4.1	5.4	4.4	5.3
KENBLUE	5.8	4.6	4.4	5.7	6.9	3.8	4.3	6.3	4.6	6.0	5.6	5.3
BH 95-199	5.3	4.4	4.8	6.7	7.8	4.4	3.9	6.8	4.1	5.0	4.6	5.3
CANTERBURY	5.8	5.0	4.6	6.7	7.5	4.1	3.9	6.3	4.4	5.3	3.9	5.2
PST-B9-196	4.9	4.4	4.4	6.6	7.9	4.2	4.6	7.2	4.3	5.1	3.8	5.2
BLUE STAR	5.2	4.6	4.8	6.5	7.9	3.2	4.2	6.7	3.8	4.9	5.2	5.2
BAR VB 6820	3.7	4.3	5.0	5.5	7.8	4.4	4.3	6.7	4.2	5.1	4.7	5.1
MTT 683	4.5	4.6	5.2	6.2	7.8	4.5	3.9	6.7	4.3	4.9	3.1	5.1
VB 16015	4.7	4.2	4.2	6.7	8.1	4.1	4.2	7.1	3.9	5.1	3.0	5.0
LIPOA	4.2	4.8	4.5	6.6	7.7	3.6	3.6	6.3	3.7	5.3	3.8	4.9
LSD VALUE	0.9	0.9	1.1	0.6	0.4	1.4	1.1	1.2	0.7	0.4	0.6	0.3
C.V. (%)	10.9	11.4	14.9	5.9	3.6	19.7	16.2	10.7	9.4	5.2	7.6	10.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT TWO LOCATIONS
IN THE COOL-ARID ZONE 1/
1997 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN
BAR VB 6820	6.5	4.9	5.7
MTT 683	6.1	4.8	5.5
BARON	6.0	4.6	5.3
EAGLETON	5.7	4.7	5.2
BAR VB 233	5.5	4.8	5.2
BARUZO	5.7	4.6	5.2
VB 16015	5.2	4.9	5.0
BH 95-199	5.9	4.1	5.0
CALIBER	5.6	4.4	5.0
NORTH STAR (PST-A7-60)	5.4	4.6	5.0
BAR VB 3115B	5.8	4.1	5.0
BARONIE	5.6	4.3	5.0
PST-B9-196	5.5	4.4	5.0
BAR VB 5649	5.5	4.3	4.9
BLUE STAR	5.3	4.2	4.7
DRAGON (ZPS-429)	5.3	4.1	4.7
CANTERBURY	5.0	4.2	4.6
BARTITIA	4.8	4.3	4.5
SOUTH DAKOTA	5.4	3.3	4.4
LIPOA	4.6	4.0	4.3
KENBLUE	4.8	3.0	3.9
LSD VALUE	0.8	0.7	0.5
C.V. (%)	9.2	10.2	9.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	IA1	II1	KY1	MI1	MO1	NC1	NE1	NJ1	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1	WA1	MEAN
VB 16015	7.3	5.7	8.3	8.0	7.3	6.3	9.0	5.7	9.0	8.7	8.3	8.7	7.7	9.0	8.0	7.3	3.3	7.0	7.5
NORTH STAR (PST-A7-60)	7.0	6.3	6.7	7.7	6.0	6.3	7.3	7.0	8.3	8.3	6.7	8.0	7.0	5.3	7.0	7.3	3.0	6.3	6.8
BARUZO	6.0	4.7	8.0	7.3	6.3	6.0	7.7	5.7	8.7	7.3	6.3	8.3	7.3	6.0	7.0	6.7	3.3	8.0	6.7
BARON	6.7	5.7	7.0	7.0	6.3	7.0	8.0	6.7	8.0	8.3	7.7	8.0	7.0	5.3	6.0	6.3	2.7	6.0	6.6
DRAGON (ZPS-429)	7.3	4.3	8.7	6.0	6.7	6.0	6.7	7.3	8.3	8.0	6.7	7.3	6.0	6.3	6.3	6.7	4.7	6.3	6.6
BAR VB 6820	6.7	6.3	7.3	7.3	6.3	6.7	8.0	5.0	8.3	7.7	5.7	7.7	6.7	5.7	6.7	7.0	3.7	6.7	6.6
BH 95-199	7.0	4.7	8.0	7.0	5.3	6.0	6.7	7.0	8.7	8.0	6.0	7.3	7.0	7.0	7.3	6.7	3.7	5.3	6.6
PST-B9-196	6.3	4.0	9.0	7.7	5.3	6.3	7.7	6.7	8.3	7.7	6.3	7.0	6.7	7.7	7.0	6.3	3.3	4.0	6.5
MTT 683	7.0	5.7	8.0	7.0	6.3	6.0	7.0	4.0	7.7	7.7	6.7	8.0	7.0	5.3	6.7	7.3	2.0	6.0	6.4
LIPOA	6.7	5.0	7.0	6.7	6.7	6.0	7.3	4.7	7.7	7.7	5.7	7.3	7.0	7.0	7.0	5.7	3.0	6.0	6.3
BLUE STAR	5.0	5.7	7.3	6.3	6.0	6.3	7.0	5.3	8.0	8.0	5.3	7.7	7.0	4.7	7.0	6.7	2.7	6.7	6.3
BARTITIA	7.0	5.7	7.3	7.0	6.3	5.3	7.0	4.3	7.7	7.7	6.0	7.3	6.7	5.3	7.0	6.0	3.0	5.3	6.2
BAR VB 5649	6.7	4.7	9.0	7.0	5.7	6.3	7.7	3.7	8.0	7.3	5.0	7.0	6.3	7.0	6.3	6.0	4.0	3.7	6.2
BAR VB 233	6.0	4.3	9.0	6.3	6.3	6.0	7.3	3.3	8.0	8.0	5.7	7.0	6.7	6.0	6.7	6.0	4.0	4.3	6.2
CALIBER	6.0	4.0	7.7	7.0	5.7	5.7	6.0	5.0	7.7	6.7	5.0	7.3	5.7	4.0	6.0	6.0	3.7	3.7	5.7
EAGLETON	6.3	4.0	6.3	7.7	5.3	5.7	5.3	4.0	8.0	6.7	5.7	6.7	5.7	5.0	6.3	5.7	2.7	5.0	5.7
CANTERBURY	5.7	3.7	7.0	6.7	5.7	5.3	5.7	3.0	7.3	6.7	6.3	7.0	6.7	6.0	6.0	5.7	3.0	4.3	5.6
BARONIE	5.3	4.0	6.3	6.3	5.0	5.3	5.7	5.3	7.3	7.0	5.3	6.7	5.7	6.0	5.7	5.7	3.0	3.0	5.5
SOUTH DAKOTA	5.7	3.0	7.3	5.3	5.3	5.0	5.3	3.3	6.7	6.0	5.7	5.7	5.3	6.0	6.3	5.0	2.0	6.0	5.3
BAR VB 3115B	6.3	4.0	6.3	6.0	4.0	4.7	6.3	3.7	7.7	6.3	5.3	7.0	5.3	3.0	5.0	5.0	4.7	3.0	5.2
KENBLUE	5.7	2.7	6.3	5.0	4.3	4.7	5.0	2.3	6.7	5.3	6.3	5.7	6.0	5.3	6.0	5.0	2.0	5.7	5.0
LSD VALUE	1.1	1.1	1.2	0.9	0.9	0.9	0.9	2.6	1.2	1.0	2.4	0.8	0.7	1.1	0.6	0.8	1.1	1.1	0.3
C.V. (%)	11.0	14.5	9.6	8.3	9.7	9.4	8.0	33.2	9.2	8.4	24.5	6.9	7.0	11.9	5.8	8.1	22.2	12.7	12.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16.

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	IA1	II1	KY1	MI1	MO1	NE1	NJ2	NJ1	OH1	OK1	ON1	PA1	QE1	UB1	UT1	VA1	WA1	MEAN
SOUTH DAKOTA	7.7	6.0	9.0	7.3	6.0	3.7	7.0	7.0	7.3	5.3	3.3	7.0	4.0	6.0	3.7	4.0	6.0	5.9
KENBLUE	6.7	6.0	8.3	6.3	6.3	4.3	6.0	8.3	6.7	5.7	3.3	6.7	3.0	6.0	5.0	4.0	7.3	5.9
PST-B9-196	6.7	4.7	8.7	7.7	7.0	4.0	5.7	3.0	7.7	6.0	2.7	5.0	4.3	5.7	4.0	5.3	6.0	5.5
CANTERBURY	5.7	5.0	9.0	6.3	5.3	5.7	6.0	4.3	7.0	6.0	3.0	4.0	4.0	6.3	3.0	5.0	5.7	5.4
VB 16015	6.7	5.0	9.0	7.0	6.3	2.3	6.0	2.3	7.0	6.0	2.3	4.3	3.7	5.7	4.0	7.7	4.3	5.3
BARONIE	5.3	5.0	9.0	7.7	5.0	3.3	5.7	5.0	7.0	5.3	2.0	3.7	4.7	6.3	3.3	6.3	5.0	5.3
DRAGON (ZPS-429)	5.7	5.3	9.0	7.7	5.3	3.7	5.0	3.0	7.3	5.0	3.3	3.3	4.3	6.0	3.0	6.7	5.7	5.3
BH 95-199	6.0	6.7	8.7	7.7	6.3	4.0	5.0	2.3	7.0	5.3	2.3	3.0	3.0	6.0	3.7	5.3	5.0	5.1
BAR VB 233	5.0	4.3	6.3	8.0	5.7	5.7	5.0	3.7	6.3	4.7	2.0	4.7	4.3	6.7	3.0	7.3	4.7	5.1
CALIBER	5.7	4.7	8.3	7.3	4.7	3.3	5.0	5.7	7.0	5.0	2.3	4.7	4.0	5.7	2.7	6.3	5.0	5.1
BAR VB 5649	5.7	4.3	6.0	7.7	5.3	5.3	4.7	2.7	6.7	5.0	1.7	5.7	4.0	6.0	2.3	7.0	4.7	5.0
EAGLETON	6.0	4.7	7.0	7.0	5.0	4.3	5.0	4.0	7.3	5.0	2.0	4.7	4.3	5.0	2.3	5.3	4.3	4.9
BAR VB 3115B	7.0	3.7	6.3	7.3	4.3	3.7	4.3	4.3	7.3	6.0	2.0	3.3	4.3	5.3	2.7	6.3	4.0	4.8
LIPOA	5.3	4.3	8.3	7.7	5.0	1.3	5.3	2.3	7.0	5.7	2.7	3.0	3.3	5.3	2.3	5.7	4.7	4.7
BARUZO	5.0	5.3	7.0	6.3	6.0	2.0	2.7	2.3	7.0	3.7	3.0	4.7	3.3	5.3	4.3	7.0	4.3	4.7
BARTITIA	4.7	4.0	6.3	7.3	4.3	2.3	4.3	3.0	6.3	4.3	2.0	3.3	4.7	5.7	3.0	6.3	4.3	4.5
BARON	5.0	4.0	7.7	7.3	4.0	2.0	4.3	2.0	7.0	5.0	2.0	3.7	3.7	5.0	3.3	6.3	3.3	4.5
BLUE STAR	4.7	3.3	7.0	7.3	5.0	1.7	4.3	2.0	7.7	5.0	1.7	2.0	3.7	4.7	4.0	5.3	4.0	4.3
NORTH STAR (PST-A7-60)	4.0	4.0	7.7	6.7	3.0	2.0	3.7	1.0	6.3	5.3	1.0	3.3	4.0	4.0	2.3	7.0	3.7	4.1
BAR VB 6820	5.0	5.3	5.3	7.0	5.3	1.3	3.0	1.0	6.7	4.7	1.7	3.3	2.3	4.0	3.0	6.7	3.3	4.1
MTT 683	4.0	3.7	7.0	7.0	2.3	1.3	3.0	1.3	7.0	2.7	2.0	2.7	2.3	3.0	2.7	4.0	3.7	3.5
LSD VALUE	1.2	0.9	1.2	1.2	1.0	1.5	1.4	1.3	0.9	1.6	1.1	1.2	0.9	0.8	1.3	0.8	1.1	0.3
C.V. (%)	13.5	11.6	10.1	10.6	12.0	28.3	18.3	24.8	7.7	20.0	31.0	18.5	14.9	9.6	24.4	7.9	14.4	14.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17.

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/																		MEAN	
	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	NJ2	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1		WA1
KENBLUE	7.0	6.7	9.0	6.0	6.3	9.0	1.3	8.0	5.3	6.3	7.7	6.7	7.3	7.7	6.0	7.7	7.3	7.7	8.0	6.9
SOUTH DAKOTA	6.7	6.0	8.0	6.0	6.0	8.0	1.7	7.3	6.0	6.3	7.0	6.3	7.0	6.7	6.0	7.3	7.0	7.7	7.7	6.6
LIPOA	6.0	5.7	7.3	6.0	7.0	8.0	3.0	4.7	5.0	7.0	7.3	7.3	5.7	6.7	7.0	7.0	7.3	7.7	6.7	6.4
BAR VB 6820	5.3	6.0	7.7	6.0	6.3	7.3	3.7	5.0	6.7	5.0	7.0	3.7	5.7	7.0	7.0	7.3	6.7	7.7	7.7	6.2
BARTITIA	7.0	5.0	8.3	6.0	6.0	7.0	3.0	6.3	4.0	6.0	7.0	5.7	6.0	6.7	6.7	7.0	7.0	7.0	7.0	6.2
MTT 683	6.0	5.7	7.0	6.0	7.0	8.0	2.0	6.3	5.0	5.3	7.0	5.0	6.3	6.3	6.3	7.0	7.0	7.3	8.0	6.2
NORTH STAR (PST-A7-60)	6.3	5.7	9.0	6.0	7.3	7.7	2.3	6.3	4.0	6.0	7.0	3.3	6.0	6.0	7.0	7.0	6.7	7.3	7.0	6.2
BARUZO	5.7	5.0	8.0	6.0	6.3	7.7	3.3	7.0	4.0	5.7	7.0	4.7	6.0	6.0	6.7	6.7	7.0	7.7	6.3	6.1
BAR VB 3115B	7.0	5.7	8.0	6.0	6.0	7.7	3.0	5.0	6.0	5.3	7.0	4.3	5.7	6.3	6.3	7.0	6.7	7.7	5.0	6.1
CALIBER	6.0	5.3	8.0	6.0	5.7	7.0	3.3	3.3	5.7	5.0	7.0	4.7	6.0	6.3	6.0	7.0	6.7	7.3	5.7	5.9
BARON	6.7	4.7	8.0	6.0	6.0	6.0	4.7	3.7	5.3	5.0	7.0	4.0	6.0	6.0	5.0	7.0	7.0	6.7	6.0	5.8
BAR VB 233	6.0	4.7	7.0	6.0	5.3	7.3	3.3	3.7	6.3	4.7	7.0	5.3	6.0	5.7	6.3	6.7	6.3	6.7	5.7	5.8
BARONIE	6.0	5.0	8.0	6.0	5.7	7.0	3.3	5.0	4.3	4.3	7.0	4.3	5.7	5.7	5.7	7.0	6.3	7.3	5.3	5.7
BLUE STAR	6.0	4.3	8.0	6.0	5.7	7.0	4.3	3.3	3.7	4.3	7.0	5.3	5.7	6.3	5.0	7.0	6.7	6.7	5.7	5.7
CANTERBURY	6.3	5.0	8.0	6.0	5.7	7.0	4.0	5.0	4.0	5.0	7.0	3.0	5.7	5.3	5.3	7.0	6.3	7.0	5.3	5.7
VB 16015	5.0	4.7	7.0	5.7	5.0	7.0	5.0	4.0	6.3	6.3	7.0	2.7	5.7	6.0	5.0	6.0	6.7	7.0	5.7	5.7
BAR VB 5649	6.0	5.0	7.0	6.0	5.3	7.0	4.0	3.3	4.0	5.7	7.0	5.0	6.0	5.7	6.0	6.3	6.3	5.0	5.6	5.6
BH 95-199	5.7	4.3	7.0	6.0	5.3	6.0	3.7	4.0	6.7	5.3	7.0	2.7	5.3	5.7	5.7	6.7	6.0	6.3	6.3	5.6
EAGLETON	6.0	4.7	7.7	6.0	5.3	6.0	3.3	3.7	4.0	5.3	7.0	3.3	6.0	6.0	5.3	6.7	6.7	6.7	5.3	5.5
DRAGON (ZPS-429)	5.7	4.7	7.3	5.7	5.0	6.0	4.0	2.7	6.3	4.7	6.7	2.3	6.0	5.0	5.0	6.3	6.0	7.0	5.7	5.4
PST-B9-196	4.7	3.7	6.0	5.3	4.0	5.0	5.0	2.0	6.3	3.0	7.0	1.3	4.7	5.0	4.7	5.3	6.0	5.7	5.0	4.7
LSD VALUE	0.8	1.0	0.5	0.4	0.8	0.5	1.1	2.0	2.7	1.2	0.4	3.1	0.8	0.7	0.6	0.6	0.7	0.8	0.9	0.3
C.V. (%)	8.1	11.8	3.7	3.8	8.4	4.0	19.3	26.8	31.9	13.8	3.1	44.9	8.0	7.5	6.7	5.6	6.8	7.4	8.9	13.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	IL1	MO1	NC1	NE1	OK1	ON1	QE1	UT1	MEAN
BAR VB 233	6.0	5.7	7.0	8.7	6.7	6.3	4.7	6.0	6.4
BAR VB 3115B	7.0	6.3	6.3	9.0	6.7	4.3	5.0	6.0	6.3
BARONIE	6.0	5.7	7.3	9.0	7.0	4.7	5.0	5.3	6.3
BAR VB 5649	5.3	5.3	7.0	9.0	7.0	5.7	4.7	5.3	6.2
CALIBER	6.3	5.7	6.3	8.7	7.0	4.0	4.7	5.3	6.0
CANTERBURY	5.3	5.3	6.7	9.0	6.3	6.0	4.3	4.7	6.0
NORTH STAR (PST-A7-60)	4.7	7.0	7.0	8.3	6.0	4.7	4.0	5.7	5.9
EAGLETON	5.3	6.7	6.0	8.3	6.0	5.0	4.7	5.0	5.9
BARTITIA	5.7	6.0	6.7	8.7	5.3	4.3	4.3	5.0	5.8
DRAGON (ZPS-429)	5.3	4.7	6.0	8.3	6.3	5.0	5.3	4.7	5.7
PST-B9-196	4.3	5.0	6.3	8.3	5.7	5.3	4.3	6.0	5.7
SOUTH DAKOTA	6.3	5.3	6.0	8.3	5.3	3.7	5.0	5.3	5.7
BLUE STAR	4.3	4.7	5.3	8.7	6.0	5.3	4.7	5.3	5.5
BARON	4.0	5.7	6.3	7.3	6.0	5.0	4.3	5.7	5.5
KENBLUE	5.7	5.7	6.7	9.0	6.0	2.7	5.0	3.7	5.5
BH 95-199	4.0	4.7	5.7	8.3	6.3	4.7	3.3	6.0	5.4
MTT 683	4.3	6.7	4.0	9.0	5.7	3.0	3.3	6.0	5.3
BARUZO	5.3	5.7	4.7	7.3	4.7	4.3	4.3	5.3	5.2
BAR VB 6820	4.3	6.3	6.0	7.3	6.0	3.3	3.3	5.0	5.2
VB 16015	4.3	4.3	6.0	8.0	4.7	5.3	3.7	5.0	5.2
LIPOA	5.3	6.3	5.3	8.0	4.7	2.3	3.7	4.3	5.0
LSD VALUE	1.3	0.9	1.4	1.0	1.7	1.9	1.3	1.1	0.5
C.V. (%)	15.3	10.2	13.8	7.0	17.5	26.0	18.9	12.4	14.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	IL1	MO1	NC1	NE1	NJ1	OK1	ON1	QE1	MEAN
BAR VB 3115B	8.0	6.0	6.3	9.0	6.0	3.0	8.0	7.0	6.7
NORTH STAR (PST-A7-60)	6.3	7.3	7.0	9.0	4.7	4.3	8.7	6.0	6.7
BARTITIA	6.7	6.3	6.7	9.0	5.3	3.0	9.0	6.7	6.6
BARONIE	6.7	6.0	6.3	8.3	4.0	3.7	8.7	7.3	6.4
EAGLETON	5.0	6.0	6.0	8.3	5.3	3.0	9.0	7.0	6.2
BAR VB 6820	5.3	6.7	6.7	8.3	4.3	3.7	9.0	5.7	6.2
BARON	4.7	6.3	7.0	8.0	5.0	3.3	9.0	6.0	6.2
DRAGON (ZPS-429)	4.3	5.3	6.0	8.7	4.7	5.0	9.0	6.3	6.2
KENBLUE	3.3	5.0	6.0	8.0	6.3	5.0	9.0	6.7	6.2
BAR VB 5649	5.7	5.7	6.3	8.3	4.0	3.3	9.0	6.7	6.1
BAR VB 233	5.0	6.0	7.0	8.3	3.3	3.3	8.7	7.0	6.1
SOUTH DAKOTA	4.0	5.3	6.0	8.7	6.0	3.3	8.7	6.7	6.1
CALIBER	5.3	6.0	6.3	8.0	3.7	3.7	8.7	6.7	6.0
LIPOA	6.7	6.3	6.3	8.3	2.7	3.0	9.0	5.3	6.0
MTT 683	6.3	6.7	5.3	8.7	4.0	2.3	8.3	5.7	5.9
CANTERBURY	4.7	5.3	6.0	8.3	4.0	3.3	9.0	6.3	5.9
BARUZO	5.0	5.7	4.3	8.7	5.3	2.3	9.0	6.7	5.9
BLUE STAR	4.7	6.0	6.7	8.0	3.0	4.0	8.7	5.7	5.8
BH 95-199	4.3	5.0	6.7	8.3	3.7	3.7	8.7	6.0	5.8
VB 16015	4.7	4.7	5.7	8.3	4.0	2.3	8.7	5.7	5.5
PST-B9-196	4.3	4.3	6.3	8.0	3.0	2.7	8.7	6.0	5.4
LSD VALUE	1.5	1.0	1.7	0.7	2.3	1.8	0.6	0.9	0.5
C.V. (%)	17.2	10.2	16.5	5.4	32.4	33.2	4.5	8.9	14.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20. FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN UNDER LOW INPUT
1997 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	MO1	NC1	NE1	OK1	QE1	MEAN
NORTH STAR (PST-A7-60)	7.3	9.0	8.3	4.7	6.7	7.2
BARONIE	5.3	7.7	9.0	6.3	6.7	7.0
BAR VB 233	5.7	7.0	8.7	5.3	7.0	6.7
BAR VB 3115B	5.7	6.7	8.7	5.3	7.0	6.7
BAR VB 5649	5.3	7.0	9.0	5.0	7.0	6.7
EAGLETON	5.7	7.3	9.0	4.3	7.0	6.7
CALIBER	5.7	7.0	8.3	5.3	6.7	6.6
CANTERBURY	4.7	6.3	8.7	6.0	6.7	6.5
BARON	5.7	7.7	8.3	4.0	6.3	6.4
DRAGON (ZPS-429)	4.7	6.3	8.7	5.7	6.7	6.4
BARTITIA	6.0	7.0	8.3	3.7	6.7	6.3
KENBLUE	5.0	6.3	8.0	5.0	6.7	6.2
BAR VB 6820	6.0	7.3	8.0	3.3	6.3	6.2
BH 95-199	4.7	7.3	8.3	4.3	6.0	6.1
PST-B9-196	4.0	7.3	8.0	5.0	6.3	6.1
SOUTH DAKOTA	5.0	6.3	8.0	3.7	6.7	5.9
BLUE STAR	5.3	6.0	8.0	4.0	6.0	5.9
MTT 683	6.0	6.0	7.7	2.3	6.0	5.6
BARUZO	5.7	5.0	7.7	2.0	6.3	5.3
VB 16015	3.7	5.3	7.3	3.7	6.7	5.3
LIPOA	5.3	4.3	7.7	2.7	6.3	5.3
LSD VALUE	1.1	1.8	0.9	2.2	0.8	0.6
C.V. (%)	12.9	16.8	6.6	30.7	7.2	14.4

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/				
NAME	MO1	NC1	OK1	MEAN
BARONIE	97.7	97.7	96.7	97.3
BAR VB 5649	97.3	96.0	97.3	96.9
BAR VB 3115B	98.3	96.0	92.3	95.6
BAR VB 233	98.7	97.7	90.0	95.4
CALIBER	95.7	96.0	93.3	95.0
CANTERBURY	96.0	97.3	88.3	93.9
NORTH STAR (PST-A7-60)	96.0	95.7	85.0	92.2
BARON	94.3	97.3	85.0	92.2
BH 95-199	91.0	92.7	91.7	91.8
EAGLETON	98.7	94.7	81.7	91.7
PST-B9-196	92.7	95.7	86.7	91.7
DRAGON (ZPS-429)	92.7	91.0	88.3	90.7
KENBLUE	94.7	92.0	85.0	90.6
VB 16015	91.0	94.7	78.3	88.0
BAR VB 6820	91.7	91.7	80.0	87.8
BLUE STAR	91.7	92.3	79.0	87.7
MTT 683	98.7	86.3	76.7	87.2
BARTITIA	97.3	96.0	68.3	87.2
SOUTH DAKOTA	94.7	91.3	71.7	85.9
LIPOA	98.7	82.7	61.7	81.0
BARUZO	95.3	83.7	51.7	76.9
LSD VALUE	7.4	7.0	28.2	10.0
C.V. (%)	4.8	4.7	21.3	11.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 22. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MO1	NC1	NJ2	OK1	MEAN
NORTH STAR (PST-A7-60)	99.0	90.7	48.3	63.3	75.3
BARON	98.3	98.7	46.7	51.7	73.8
BLUE STAR	98.7	97.0	43.3	55.0	73.5
KENBLUE	95.7	83.7	48.3	65.0	73.2
EAGLETON	98.7	95.7	55.0	36.7	71.5
DRAGON (ZPS-429)	94.0	84.3	43.3	61.7	70.8
BAR VB 6820	96.3	95.3	41.7	46.7	70.0
BARONIE	98.3	97.7	30.0	50.0	69.0
BARTITIA	97.7	97.7	43.3	36.7	68.8
CALIBER	98.0	93.0	35.0	46.7	68.2
BH 95-199	92.7	96.3	35.0	46.7	67.7
SOUTH DAKOTA	96.3	87.3	46.7	40.0	67.6
BAR VB 3115B	98.7	91.3	50.0	30.0	67.5
CANTERBURY	96.0	94.7	30.0	48.3	67.3
PST-B9-196	94.3	98.7	36.7	33.3	65.8
BAR VB 233	98.7	89.7	28.3	43.3	65.0
BAR VB 5649	98.7	83.3	36.7	38.3	64.3
LIPOA	98.7	85.0	41.7	28.3	63.4
VB 16015	91.3	89.7	33.3	28.3	60.7
MTT 683	98.7	85.7	33.3	16.7	58.6
BARUZO	95.7	75.0	25.0	18.3	53.5
LSD VALUE	6.0	16.1	13.4	36.2	10.6
C.V. (%)	3.9	11.0	21.1	53.3	19.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 23. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MO1	NC1	OK1	MEAN
BARONIE	98.7	98.7	91.3	96.2
CANTERBURY	98.7	98.3	81.7	92.9
CALIBER	98.7	97.7	76.7	91.0
DRAGON (ZPS-429)	97.7	94.3	78.3	90.1
BAR VB 3115B	99.0	96.3	70.0	88.4
BH 95-199	97.0	97.7	66.7	87.1
BAR VB 5649	98.7	98.0	63.3	86.7
PST-B9-196	98.3	98.0	61.7	86.0
BAR VB 233	98.7	93.3	64.7	85.6
KENBLUE	99.0	82.7	70.0	83.9
NORTH STAR (PST-A7-60)	99.0	98.3	53.3	83.6
EAGLETON	99.0	97.3	51.7	82.7
BARON	99.0	98.7	43.3	80.3
BARTITIA	99.0	97.7	43.3	80.0
SOUTH DAKOTA	98.7	90.0	48.3	79.0
BLUE STAR	99.0	93.7	40.0	77.6
VB 16015	98.0	93.7	40.0	77.2
BAR VB 6820	99.0	93.7	28.3	73.7
LIPOA	99.0	85.0	31.7	71.9
BARUZO	98.7	95.0	20.0	71.2
MTT 683	99.0	94.0	16.7	69.9
LSD VALUE	1.2	8.4	43.1	14.6
C.V. (%)	0.7	5.5	49.3	19.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 24. WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	NC1	UB1	UT1	MEAN
BH 95-199	5.0	6.0	3.3	4.8
VB 16015	5.3	6.7	2.3	4.8
PST-B9-196	5.3	6.3	2.3	4.7
BAR VB 3115B	4.7	5.7	3.0	4.4
BARUZO	4.3	5.7	2.7	4.2
DRAGON (ZPS-429)	5.7	4.3	2.7	4.2
BAR VB 6820	4.7	5.3	2.3	4.1
BARTITIA	4.7	5.7	2.0	4.1
BARONIE	4.7	4.7	2.7	4.0
CANTERBURY	5.3	4.3	2.3	4.0
LIPOA	5.0	5.7	1.0	3.9
NORTH STAR (PST-A7-60)	5.0	4.7	2.0	3.9
CALIBER	5.0	4.0	2.7	3.9
KENBLUE	4.7	5.3	1.7	3.9
BAR VB 5649	5.3	3.7	2.3	3.8
EAGLETON	4.7	5.0	1.3	3.7
BAR VB 233	5.0	4.0	2.0	3.7
MTT 683	4.0	5.0	1.3	3.4
SOUTH DAKOTA	4.3	4.7	1.3	3.4
BARON	4.7	4.3	1.0	3.3
BLUE STAR	4.7	4.0	1.0	3.2
LSD VALUE	0.9	1.1	1.1	0.6
C.V. (%)	11.9	13.8	34.5	16.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 25. DROUGHT TOLERANCE (DORMANCY) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

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

NAME	UB1
BAR VB 3115B	6.7
BARTITIA	5.3
EAGLETON	5.3
MTT 683	5.3
BAR VB 6820	5.0
BARON	5.0
NORTH STAR (PST-A7-60)	5.0
BARUZO	4.7
PST-B9-196	4.3
SOUTH DAKOTA	4.3
KENBLUE	4.0
BAR VB 5649	3.7
CALIBER	3.7
VB 16015	3.7
BARONIE	3.3
BH 95-199	3.3
BAR VB 233	3.0
BLUE STAR	3.0
CANTERBURY	3.0
DRAGON (ZPS-429)	3.0
LIPOA	2.0
LSD VALUE	1.2
C.V. (%)	18.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 26. DROUGHT TOLERANCE (RECOVERY) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	UB1
EAGLETON	7.0
BAR VB 3115B	6.7
SOUTH DAKOTA	6.7
CALIBER	6.3
KENBLUE	6.3
BAR VB 5649	6.0
PST-B9-196	6.0
BAR VB 233	5.7
BARON	5.3
BLUE STAR	5.0
DRAGON (ZPS-429)	5.0
BARUZO	4.7
MTT 683	4.7
BARTITIA	4.3
BH 95-199	4.3
VB 16015	4.3
BAR VB 6820	4.0
BARONIE	4.0
LIPPOA	4.0
NORTH STAR (PST-A7-60)	4.0
CANTERBURY	3.3
LSD VALUE	1.0
C.V. (%)	12.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 27. LEAF SPOT (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/			
NAME	NJ2	UB1	MEAN
VB 16015	5.3	7.0	6.2
PST-B9-196	5.0	7.0	6.0
BAR VB 233	4.0	6.7	5.3
MTT 683	4.7	5.7	5.2
BAR VB 3115B	3.0	7.3	5.2
BAR VB 5649	4.3	5.7	5.0
BAR VB 6820	4.7	5.3	5.0
NORTH STAR (PST-A7-60)	5.0	5.0	5.0
BARONIE	4.0	5.7	4.8
CANTERBURY	3.7	5.7	4.7
DRAGON (ZPS-429)	5.0	4.3	4.7
BARON	4.0	5.0	4.5
BLUE STAR	4.3	4.7	4.5
LIPPOA	4.0	5.0	4.5
CALIBER	2.7	5.7	4.2
BARTITIA	4.0	4.3	4.2
BH 95-199	3.7	4.3	4.0
EAGLETON	3.7	3.7	3.7
BARUZO	2.3	4.0	3.2
SOUTH DAKOTA	1.3	3.0	2.2
KENBLUE	1.0	2.3	1.7
LSD VALUE	1.2	1.4	0.9
C.V. (%)	19.6	16.9	18.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 28. STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

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

NAME	NC1
BARUZO	9.0
BH 95-199	9.0
MTT 683	9.0
NORTH STAR (PST-A7-60)	9.0
BARON	8.7
BLUE STAR	8.7
BAR VB 6820	8.3
CALIBER	8.3
PST-B9-196	8.3
VB 16015	8.3
BARONIE	8.0
CANTERBURY	8.0
EAGLETON	8.0
DRAGON (ZPS-429)	7.7
LIPOA	7.7
BAR VB 5649	7.3
SOUTH DAKOTA	7.3
BAR VB 233	6.7
KENBLUE	6.7
BARTITIA	6.0
BAR VB 3115B	5.0
LSD VALUE	1.9
C.V. (%)	14.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 29. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	OK1
BH 95-199	8.0
BARONIE	7.7
DRAGON (ZPS-429)	7.7
BLUE STAR	7.0
CANTERBURY	7.0
VB 16015	7.0
CALIBER	6.7
EAGLETON	6.7
KENBLUE	6.7
BAR VB 3115B	6.3
BAR VB 5649	6.0
BARON	6.0
LIPPOA	6.0
PST-B9-196	6.0
SOUTH DAKOTA	6.0
BAR VB 6820	5.7
BARTITIA	5.7
BARUZO	5.3
NORTH STAR (PST-A7-60)	5.3
BAR VB 233	5.0
MTT 683	4.7
LSD VALUE	2.2
C.V. (%)	21.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 30. POWDERY MILDEW (GREENHOUSE STUDY) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT 1/
1997 DATA

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

NAME	NJ1
BARUZO	9.0
BAR VB 3115B	8.3
PST-B9-196	7.0
KENBLUE	6.7
MTT 683	6.7
SOUTH DAKOTA	4.7
BAR VB 5649	3.7
BAR VB 233	3.3
EAGLETON	3.3
BARTITIA	3.0
BH 95-199	3.0
CALIBER	3.0
NORTH STAR (PST-A7-60)	3.0
BAR VB 6820	2.7
BLUE STAR	2.7
LIPOA	2.3
BARON	2.0
DRAGON (ZPS-429)	2.0
VB 16015	2.0
BARONIE	1.7
CANTERBURY	1.7
LSD VALUE	1.2
C.V. (%)	18.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 31. PERCENT WEED RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN UNDER LOW INPUT 2/
1997 DATA

PERCENT WEED RATINGS: LOCATIONS

NAME	UB1
VB 16015	71.7
EAGLETON	55.0
PST-B9-196	51.7
BH 95-199	48.3
CALIBER	46.7
BAR VB 3115B	45.0
DRAGON (ZPS-429)	43.3
KENBLUE	41.7
BLUE STAR	40.0
MTT 683	36.7
BARON	35.0
BARUZO	35.0
LIPPOA	35.0
CANTERBURY	33.3
SOUTH DAKOTA	31.7
BAR VB 6820	28.3
BARONIE	28.3
BAR VB 5649	26.7
BAR VB 233	23.3
BARTITIA	18.3
NORTH STAR (PST-A7-60)	18.3
LSD VALUE	24.7
C.V. (%)	40.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 32. PATCH DISEASE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN UNDER LOW INPUT AT LEXINGTON, KY 2/
1997 DATA

NAME	PERCENT PATCH DISEASE: LOCATIONS 3/				MEAN
	JULY 16	AUGUST 14	AUGUST 27	OCTOBER 7	
LIPQA	65.0	67.3	60.0	40.0	58.1
BAR VB 233	65.0	75.7	54.3	24.0	54.8
BH 95-199	53.7	53.3	23.7	5.0	33.9
BAR VB 5649	19.3	54.3	40.3	18.3	33.1
BAR VB 6820	23.0	37.3	35.0	25.3	30.2
MTT 683	24.7	32.3	21.7	16.0	23.7
VB 16015	35.0	34.3	14.7	3.0	21.8
BARUZO	17.7	24.3	18.0	20.0	20.0
BAR VB 3115B	21.0	28.7	10.0	4.7	16.1
SOUTH DAKOTA	8.7	13.7	18.0	18.3	14.7
CANTERBURY	24.7	14.0	4.3	1.7	11.2
BARTITIA	5.0	17.0	12.7	9.0	10.9
CALIBER	7.7	9.7	12.0	6.3	8.9
BARONIE	11.7	18.0	4.3	0.0	8.5
KENBLUE	4.3	3.0	13.7	12.3	8.3
DRAGON (ZPS-429)	19.7	8.0	3.3	0.7	7.9
NORTH STAR (PST-A7-60)	5.0	9.3	9.7	6.7	7.7
BLUE STAR	9.3	11.3	6.7	2.7	7.5
PST-B9-196	5.3	11.3	2.3	0.7	4.9
BARON	2.0	1.0	1.7	2.0	1.7
EAGLETON	2.7	1.7	0.0	0.0	1.1
LSD VALUE	25.3	26.3	20.0	11.3	17.0
C.V. (%)	74.0	64.2	70.2	68.9	58.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PATCH DISEASE IDENTIFIED A COMBINED NECROTIC RING SPOT AND SUMMER PATCH DISEASE.

TABLE 33. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/
1997 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	AUGUST	SEPTEMBER	MEAN
BARONIE	8.7	9.0	8.8
BLUE STAR	8.7	9.0	8.8
CANTERBURY	8.3	9.0	8.7
BAR VB 6820	8.0	9.0	8.5
BARON	8.7	8.3	8.5
BH 95-199	8.3	8.3	8.3
BARTITIA	8.3	8.0	8.2
SOUTH DAKOTA	8.0	8.3	8.2
VB 16015	8.0	8.3	8.2
CALIBER	7.7	8.0	7.8
DRAGON (ZPS-429)	7.3	8.3	7.8
KENBLUE	6.7	8.3	7.5
BAR VB 233	7.0	7.3	7.2
EAGLETON	7.3	7.0	7.2
MTT 683	7.0	7.3	7.2
NORTH STAR (PST-A7-60)	7.3	7.0	7.2
BAR VB 5649	6.3	7.7	7.0
BARUZO	5.7	8.3	7.0
BAR VB 3115B	5.7	7.7	6.7
LIPPOA	6.0	7.3	6.7
PST-B9-196	7.3	6.0	6.7
LSD VALUE	3.7	2.5	2.8
C.V. (%)	19.0	13.1	14.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.