

## **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 - 1998 data  
(Low Input)

LOCATIONS SUBMITTING DATA FOR 1998.....1

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

Table A - 1998 Locations, Site Descriptions and Management Practices in  
  the 1995 National Kentucky Bluegrass Test (Low Input).....3

Table B - Locations and Data Collected in 1998.....4

Table 1 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Eighteen  
  Locations in the U.S and Canada.....7

Table 2 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars for Each Month Grown Under Low Input  
  at Eighteen Locations in the U.S and Canada.....8

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Kentucky  
  Bluegrass Cultivars Grown Under Low Input at  
  Eighteen Locations in the U.S and Canada.....9

Table 4 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Different Nitrogen Levels.....10

Table 5 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Ten Locations  
  Using 0.0-1.0 lbs. of Nitrogen/1000 sq. ft./Year.....11

Table 6 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Seven Locations  
  Using 1.1-2.0 lbs. of Nitrogen/1000 sq. ft./Year.....12

Table 7 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at One Locations  
  Using 3.1-4.0 lbs. of Nitrogen/1000 sq. ft./Year.....13

Table 8 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars  
  Grown Under Low Input at Different Mowing Heights.....14

Table 9 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Two Locations  
  Using a 1.1-2.0 Inch Mowing Height.....15

Table 10- Mean Turfgrass Quality Ratings of Kentucky Bluegrass  
  Cultivars Grown Under Low Input at Seven Locations  
  Using a 2.1-2.5 Inch Mowing Height.....16

CONTENTS (continued)

Table 11- Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Nine Locations Using a 2.6+ Inch Mowing Height.....	17
Table 12 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Different Climatic Zones.....	18
Table 13 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Six Locations in the Transition Zone....	19
Table 14 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Ten Locations in the Cool-Humid Zone....	20
Table 15 - Mean Turfgrass Quality Ratings of Kentucky Bluegrass Cultivars Grown Under Low Input at Two Locations in the Cool-Arid Zone....	21
Table 16 - Genetic Color Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	22
Table 17 - Spring Greenup Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	23
Table 18 - Leaf Texture Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	24
Table 19 - Spring Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	25
Table 20 - Summer Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	26
Table 21 - Fall Density Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	27
Table 22 - Percent Living Ground Cover (Spring) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	28
Table 23 - Percent Living Ground Cover (Summer) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	29
Table 24 - Percent Living Ground Cover (Fall) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	30
Table 25 - Winter Color Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	31
Table 26 - Drought Tolerance (Recovery) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	32
Table 27 - Thatch Measurements of Kentucky Bluegrass Cultivars Grown under Low Input.....	33

CONTENTS (continued)

Table 28 - Leaf Spot (Spring) Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	34
Table 29 - Stem Rust Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	35
Table 30 - Red Thread Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	36
Table 31 - Summer Patch Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	37
Table 32 - Percent Seedhead Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	38
Table 33 - Seedhead Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	39
Table 34 - Leaf Rust Ratings of Kentucky Bluegrass Cultivars Grown under Low Input.....	40
Table 35 - Dollar Spot Ratings of Kentucky Bluegrass Cultivars Grown under Low Input at Mead, NE.....	41
Table 36 - Dollar Spot Ratings of Kentucky Bluegrass Cultivars Grown under Low Input at Raleigh, NC.....	42
Table 37 - Patch Disease Ratings of Kentucky Bluegrass Cultivars Grown under Low Input at Lexington, KY.....	43
Table 38 - Weed Counts of Kentucky Bluegrass Cultivars Grown under Low Input at Logan, UT.....	44

LOCATIONS SUBMITTING DATA FOR 1998

<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
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	Agribiotech, Inc.
2	Lipoa	Deutsche Saatveredelung
3	BAR VB 233	Barenbrug Holland
4	BAR VB 3115B	Barenbrug Holland
5	Bariris (BAR VB 5649)	Barenbrug Holland
6	BAR VB 6820	Barenbrug Holland
7	Caliber	Agribiotech, Inc.
8	BH 95-199	The Scotts Company
9	Dragon (ZPS-429)	Agribiotech, Inc.
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.

1998 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	3.6-4.0	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	SANDY CLAY LOAM	5.6-6.0	61-150	0-150	0.0-1.0	-	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	NO IRRIGATION
NJ1	SANDY LOAM	4.6-5.5	271-450	151-240	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
OH1	SILTY CLAY LOAM	6.6-7.0	0-60	0-150	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	2.1-2.5	TO PREVENT DORMANCY
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	2.1-2.5	NO IRRIGATION
RI1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
UB1	SILT LOAM AND SILT	5.6-6.0	271-450	376-500	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
UT1	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	0.0-1.0	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 1998

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
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X		X
KY1			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
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NE1				X	X	X	X	X	X		X		X		X
NJ1				X	X	X	X	X	X	X	X			X	X
OH1						X	X	X	X				X	X	X
OK1				X	X	X	X	X	X	X	X	X	X	X	X
ON1					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
RI1					X	X	X	X	X	X	X		X		X
UB1					X	X	X			X	X			X	
UT1						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 1998

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE RECOVERY	THATCH MEASUREMENTS	LEAF SPOT	STEM RUST	RED THREAD
IA1												
IL1			X									
KY1						X						
MI1												
MO1	X	X		X								
NC1	X		X	X	X	X	X				X	
NE1	X	X	X									
NJ1						X						
OH1												
OK1	X	X	X	X	X	X	X					
ON1	X	X	X									
PA1												
QE1	X	X	X						X			X
RI1												
UB1						X				X		
UT1		X										
VA1								X				
WA1												

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1998

LOCATION	SUMMER PATCH	PERCENT SEEDHEAD	SEEDHEAD RATING	LEAF RUST	<u>DOLLAR SPOT RATINGS</u>			<u>PERCENT PATCH DISEASE</u>		<u>WEED COUNTS</u>	
					JUNE	JULY	SEPTEMBER	JULY	AUGUST	AUGUST	OCTOBER
IA1											
IL1											
KY1								X	X		
MI1											
MO1			X								
NC1	X			X	X	X					
NE1						X	X				
NJ1											
OH1		X									
OK1											
ON1											
PA1											
QE1											
RI1											
UB1											
UT1										X	X
VA1											
WA1											

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT EIGHTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/																		
	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1	WA1	MEAN
BAR VB 3115B	6.2	5.2	6.1	6.0	5.0	4.2	6.2	3.9	7.8	4.3	8.5	5.4	5.6	5.6	4.7	4.7	3.5	3.8	5.4
* EAGLETON	5.8	4.5	5.8	4.0	4.6	4.1	6.0	4.0	8.0	4.7	8.4	6.5	6.0	5.2	4.1	4.8	3.0	4.0	5.2
* BARONIE	5.2	4.3	7.7	5.2	4.2	4.3	6.0	3.6	7.2	6.3	8.6	5.4	6.4	4.9	3.2	4.9	2.6	3.1	5.2
* NORTH STAR (PST-A7-60)	5.1	4.5	6.4	4.5	5.5	4.0	4.9	3.3	7.7	4.3	8.4	5.4	5.3	6.9	2.9	6.4	2.8	4.6	5.2
* CANTERBURY	5.7	4.7	7.2	5.2	4.3	4.2	5.7	2.9	7.5	5.0	8.3	5.4	6.1	4.4	3.5	4.2	2.6	3.6	5.0
* BARON	5.2	4.2	6.7	4.7	5.0	4.6	5.7	3.3	7.3	4.1	8.4	5.4	5.7	4.4	4.0	4.3	2.9	4.4	5.0
* CALIBER	6.0	4.7	5.9	5.1	5.0	4.4	5.3	3.1	7.5	4.3	7.6	5.1	6.2	5.2	3.4	4.3	3.4	3.5	5.0
* BARTITIA	5.8	4.3	6.0	4.7	5.6	3.9	5.3	4.0	7.8	3.1	8.3	5.7	5.9	4.8	3.0	4.7	2.4	3.8	5.0
* DRAGON (ZPS-429)	4.8	4.4	7.3	4.1	4.5	4.4	5.7	3.3	7.5	4.7	8.3	5.2	5.9	5.5	3.2	3.8	2.8	3.4	4.9
MTT 683	5.0	4.3	5.9	5.1	5.5	4.5	4.0	3.2	7.7	3.0	8.2	5.8	5.5	4.3	3.3	5.6	2.5	4.4	4.9
BH 95-199	5.2	3.8	6.3	4.8	4.7	4.7	6.1	3.7	7.5	3.9	8.1	5.5	5.7	4.6	2.9	4.2	2.6	3.6	4.9
BAR VB 5649	5.3	4.2	4.5	5.6	4.7	4.1	5.1	3.5	7.7	3.6	7.9	5.1	6.0	5.4	3.3	4.4	3.2	3.6	4.9
* BLUE STAR	5.1	4.1	6.2	4.8	4.6	4.2	5.5	3.4	7.3	3.4	8.5	5.1	5.7	4.3	3.3	4.5	2.6	4.4	4.8
* SOUTH DAKOTA	5.7	4.7	5.0	4.7	5.2	4.3	4.1	2.8	7.1	3.6	8.4	5.0	6.0	4.7	4.4	3.6	3.2	3.2	4.8
PST-B9-196	4.6	4.2	6.4	4.5	4.3	4.4	5.9	3.1	7.6	4.7	8.4	5.2	5.0	3.7	3.6	3.6	2.7	3.3	4.7
BAR VB 233	5.3	4.6	3.0	4.6	4.5	4.7	5.0	3.3	7.8	4.2	8.2	5.3	6.0	4.9	3.3	3.8	2.5	3.9	4.7
* KENBLUE	5.6	4.3	4.8	4.7	4.6	4.0	4.1	2.7	6.8	4.4	8.2	4.9	5.4	4.9	4.3	4.1	3.3	2.9	4.7
* BARUZO	4.8	4.2	4.7	4.0	5.1	4.3	4.5	2.8	7.3	2.5	8.2	5.2	6.5	3.4	3.2	6.1	3.3	3.6	4.7
VB 16015	4.8	4.0	6.3	4.3	4.0	4.3	5.4	2.6	7.3	3.3	8.6	4.9	5.3	4.1	3.2	4.2	2.7	4.0	4.6
BAR VB 6820	3.9	4.5	3.1	4.2	4.9	4.0	4.6	2.8	7.5	2.6	8.2	5.2	5.5	4.6	3.4	5.8	2.6	4.7	4.6
* LIPOA	4.5	4.4	3.9	4.0	5.2	4.3	4.9	3.0	7.5	2.6	7.8	5.1	5.2	4.4	3.4	5.2	2.4	3.6	4.5
LSD VALUE	1.2	0.6	1.4	1.4	1.1	1.0	0.6	0.8	0.5	1.9	0.5	0.6	1.1	1.0	0.6	1.1	0.4	0.6	0.2
C.V. (%)	14.0	8.4	14.9	19.0	14.4	14.6	7.6	15.7	4.3	29.6	3.7	6.7	12.1	13.5	11.5	14.5	7.9	10.5	12.7

\* COMMERCIALY AVAILABLE IN THE USA IN 1999.

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 EIGHTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1998 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR VB 3115B	4.3	4.3	5.0	5.2	6.1	5.6	5.2	5.2	5.1	4.8	4.3	3.9	5.4
EAGLETON	4.0	4.0	4.8	4.6	5.2	5.6	5.1	5.1	5.0	4.8	4.8	4.2	5.2
BARONIE	4.0	4.0	5.0	5.3	5.7	5.4	4.9	5.2	5.0	4.7	4.5	4.5	5.2
NORTH STAR (PST-A7-60)	4.0	4.0	4.4	4.4	5.4	5.8	5.1	5.3	5.0	4.5	4.4	3.8	5.2
CANTERBURY	4.0	4.0	4.8	5.2	5.4	5.4	4.7	4.8	4.9	4.6	4.3	4.1	5.0
BARON	4.0	4.0	4.6	5.0	5.1	5.5	4.9	5.0	4.9	4.5	4.1	3.8	5.0
CALIBER	4.0	4.0	4.9	5.1	5.4	5.2	4.6	5.0	5.2	4.4	4.2	3.9	5.0
BARTITIA	4.0	4.0	4.5	4.5	5.1	5.4	4.6	5.0	5.0	4.4	4.2	3.5	5.0
DRAGON (ZPS-429)	4.3	4.3	5.1	4.9	5.0	5.2	4.7	5.0	5.0	4.6	4.2	4.2	4.9
MTT 683	4.0	4.0	4.1	4.4	5.2	5.4	4.7	4.9	4.7	4.4	3.8	3.8	4.9
BH 95-199	4.3	4.3	5.0	4.8	5.4	5.2	4.5	4.8	4.7	4.3	4.4	3.9	4.9
BAR VB 5649	4.0	4.0	4.7	5.1	5.1	5.1	4.5	4.8	4.7	4.3	4.3	3.7	4.9
BLUE STAR	4.0	4.0	4.8	4.9	5.0	5.2	4.7	4.9	4.8	4.1	3.8	3.3	4.8
SOUTH DAKOTA	4.0	4.0	4.3	4.4	4.4	5.2	4.6	4.7	4.8	4.6	4.1	3.8	4.8
PST-B9-196	4.0	4.0	5.1	5.0	5.1	5.1	4.3	4.4	4.4	4.3	4.2	4.3	4.7
BAR VB 233	4.7	4.7	4.5	5.2	5.4	5.1	4.3	4.4	4.5	3.9	3.9	3.3	4.7
KENBLUE	4.0	4.0	4.3	4.2	4.0	4.8	4.4	4.9	5.0	4.7	4.3	4.3	4.7
BARUZO	4.0	4.0	4.3	4.3	4.8	5.0	4.6	4.6	4.4	4.1	4.2	3.4	4.7
VB 16015	4.7	4.7	5.3	4.7	5.0	5.0	4.2	4.5	4.5	3.9	3.9	3.3	4.6
BAR VB 6820	4.0	4.0	4.2	3.8	4.7	5.4	4.4	4.5	4.2	3.9	3.8	3.3	4.6
LIPON	4.3	4.3	4.2	4.2	4.6	5.0	4.2	4.1	4.4	4.1	4.2	3.5	4.5
LSD VALUE	0.6	0.6	1.5	0.8	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.1	0.6
C.V. (%)	9.2	9.2	40.9	34.2	24.9	31.8	41.8	38.5	41.5	46.9	42.6	35.1	31.3

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT EIGHTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1998 DATA

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

NAME	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	OH1	OK1	ON1	PA1	QE1	RI1	UB1	UT1	VA1	WA1	MEAN
BAR VB 3115B	1.0	1.0	10	1.0	7.5	15.0	1.0	3.0	3.5	7	3.5	8.5	14.0	2.0	1.0	9.0	1.0	10.0	1
EAGLETON	3.5	7.5	14	21.0	14.5	16.0	3.0	1.5	1.0	4	5.5	1.0	6.0	5.5	4.0	7.0	7.0	6.0	2
BARONIE	10.0	12.5	1	4.0	20.0	11.5	4.0	5.0	19.0	1	1.0	6.5	2.0	9.0	16.5	6.0	14.0	20.0	3
NORTH STAR (PST-A7-60)	13.0	6.0	5	14.0	2.5	20.0	15.0	10.5	6.0	8	8.0	6.5	18.5	1.0	20.0	1.0	10.0	2.0	4
CANTERBURY	5.5	4.0	3	3.0	18.5	14.0	6.0	16.0	11.5	2	12.0	8.5	4.0	15.5	7.0	14.5	16.5	14.5	5
BARON	11.5	17.5	4	9.5	7.5	3.0	7.5	10.5	15.5	11	8.0	5.0	12.0	15.5	5.0	12.0	8.0	4.0	6
CALIBER	2.0	2.5	13	5.0	9.0	5.5	11.5	13.5	11.5	9	21.0	16.5	3.0	5.5	8.0	13.0	2.0	16.0	7
BARTITIA	3.5	12.5	11	11.5	1.0	21.0	11.5	1.5	2.0	17	10.5	3.0	9.0	10.0	19.0	8.0	20.5	9.0	8
DRAGON (ZPS-429)	16.5	9.0	2	18.0	17.0	5.5	7.5	8.5	11.5	3	10.5	13.5	10.0	3.0	16.5	19.0	9.0	17.0	9
MTT 683	15.0	12.5	12	6.0	2.5	4.0	21.0	12.0	6.0	18	15.0	2.0	15.5	17.0	11.0	4.0	19.0	4.0	10
BH 95-199	11.5	21.0	7	8.0	11.0	1.0	2.0	4.0	11.5	12	18.0	4.0	12.0	13.0	21.0	16.0	14.0	14.5	11
BAR VB 5649	8.5	17.5	18	2.0	12.0	17.0	13.0	6.0	6.0	13	19.0	16.5	6.0	4.0	13.0	11.0	5.0	11.5	12
BLUE STAR	14.0	19.0	9	7.0	13.0	13.0	9.0	7.0	17.5	15	3.5	16.5	12.0	18.0	13.0	10.0	14.0	4.0	13
SOUTH DAKOTA	5.5	2.5	15	11.5	4.5	11.5	20.0	19.0	20.0	14	8.0	19.0	8.0	11.0	2.0	20.5	6.0	19.0	14
PST-B9-196	19.0	15.5	6	15.0	18.5	7.0	5.0	13.5	8.0	5	5.5	11.5	21.0	20.0	6.0	20.5	12.0	18.0	15
BAR VB 233	8.5	5.0	21	13.0	16.0	2.0	14.0	8.5	3.5	10	13.0	10.0	6.0	8.0	13.0	18.0	18.0	8.0	16
KENBLUE	7.0	12.5	16	9.5	14.5	18.5	19.0	20.0	21.0	6	15.0	20.0	17.0	7.0	3.0	17.0	3.0	21.0	17
BARUZO	16.5	15.5	17	19.5	6.0	10.0	18.0	17.0	15.5	21	17.0	13.5	1.0	21.0	16.5	2.0	4.0	11.5	18
VB 16015	18.0	20.0	8	16.0	21.0	9.0	10.0	21.0	17.5	16	2.0	21.0	18.5	19.0	16.5	14.5	11.0	7.0	19
BAR VB 6820	21.0	7.5	20	17.0	10.0	18.5	17.0	18.0	11.5	19	15.0	11.5	15.5	12.0	9.5	3.0	16.5	1.0	20
LIPOA	20.0	10.0	19	19.5	4.5	8.0	16.0	15.0	11.5	20	20.0	16.5	20.0	14.0	9.5	5.0	20.5	13.0	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/  
1998 DATA

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

NAME	NITROGEN LEVELS (LBS OF N/1000 SQ. FT./YEAR)			
	0.0-1.0	1.1-2.0	3.1-4.0	MEAN
BAR VB 3115B	5.3	5.4	5.6	5.4
EAGLETON	5.0	5.5	5.2	5.2
BARONIE	4.8	5.8	4.9	5.2
NORTH STAR (PST-A7-60)	4.5	5.9	6.9	5.2
CANTERBURY	4.8	5.4	4.4	5.0
BARON	4.7	5.5	4.4	5.0
CALIBER	4.9	5.1	5.2	5.0
BARTITIA	4.7	5.3	4.8	5.0
DRAGON (ZPS-429)	4.6	5.3	5.5	4.9
MTT 683	4.5	5.5	4.3	4.9
BH 95-199	4.7	5.2	4.6	4.9
BAR VB 5649	4.8	4.8	5.4	4.9
BLUE STAR	4.6	5.2	4.3	4.8
SOUTH DAKOTA	4.7	4.9	4.7	4.8
PST-B9-196	4.5	5.1	3.7	4.7
BAR VB 233	4.7	4.7	4.9	4.7
KENBLUE	4.5	4.8	4.9	4.7
BARUZO	4.5	5.0	3.4	4.7
VB 16015	4.4	5.0	4.1	4.6
BAR VB 6820	4.3	4.9	4.6	4.6
LIPOA	4.4	4.8	4.4	4.5
LSD VALUE	0.3	0.4	1.0	0.2
C.V. (%)	11.9	13.4	13.5	12.7

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 TEN LOCATIONS  
USING 0.0-1.0 LBS OF NITROGEN / 1000 SQ. FT. / YEAR 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	IA1	IL1	MI1	NC1	NE1	NJ1	OH1	QE1	UB1	VA1	MEAN
BAR VB 3115B	6.2	5.2	6.0	4.2	6.2	3.9	7.8	5.6	4.7	3.5	5.3
EAGLETON	5.8	4.5	4.0	4.1	6.0	4.0	8.0	6.0	4.1	3.0	5.0
CALIBER	6.0	4.7	5.1	4.4	5.3	3.1	7.5	6.2	3.4	3.4	4.9
BAR VB 5649	5.3	4.2	5.6	4.1	5.1	3.5	7.7	6.0	3.3	3.2	4.8
CANTERBURY	5.7	4.7	5.2	4.2	5.7	2.9	7.5	6.1	3.5	2.6	4.8
BARONIE	5.2	4.3	5.2	4.3	6.0	3.6	7.2	6.4	3.2	2.6	4.8
BARON	5.2	4.2	4.7	4.6	5.7	3.3	7.3	5.7	4.0	2.9	4.7
BARTITIA	5.8	4.3	4.7	3.9	5.3	4.0	7.8	5.9	3.0	2.4	4.7
BAR VB 233	5.3	4.6	4.6	4.7	5.0	3.3	7.8	6.0	3.3	2.5	4.7
BH 95-199	5.2	3.8	4.8	4.7	6.1	3.7	7.5	5.7	2.9	2.6	4.7
SOUTH DAKOTA	5.7	4.7	4.7	4.3	4.1	2.8	7.1	6.0	4.4	3.2	4.7
DRAGON (ZPS-429)	4.8	4.4	4.1	4.4	5.7	3.3	7.5	5.9	3.2	2.8	4.6
BLUE STAR	5.1	4.1	4.8	4.2	5.5	3.4	7.3	5.7	3.3	2.6	4.6
PST-B9-196	4.6	4.2	4.5	4.4	5.9	3.1	7.6	5.0	3.6	2.7	4.5
KENBLUE	5.6	4.3	4.7	4.0	4.1	2.7	6.8	5.4	4.3	3.3	4.5
MTT 683	5.0	4.3	5.1	4.5	4.0	3.2	7.7	5.5	3.3	2.5	4.5
BARUZO	4.8	4.2	4.0	4.3	4.5	2.8	7.3	6.5	3.2	3.3	4.5
NORTH STAR (PST-A7-60)	5.1	4.5	4.5	4.0	4.9	3.3	7.7	5.3	2.9	2.8	4.5
VB 16015	4.8	4.0	4.3	4.3	5.4	2.6	7.3	5.3	3.2	2.7	4.4
LIPOA	4.5	4.4	4.0	4.3	4.9	3.0	7.5	5.2	3.4	2.4	4.4
BAR VB 6820	3.9	4.5	4.2	4.0	4.6	2.8	7.5	5.5	3.4	2.6	4.3
LSD VALUE	1.2	0.6	1.4	1.0	0.6	0.8	0.5	1.1	0.6	0.4	0.3
C.V. (%)	14.0	8.4	19.0	14.6	7.6	15.7	4.3	12.1	11.5	7.9	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 6. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 GROWN UNDER LOW INPUT AT SEVEN LOCATIONS  
 USING 1.1-2.0 LBS OF NITROGEN / 1000 SQ. FT. / YEAR 1/  
 1998 DATA

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

NAME	KY1	MO1	OK1	ON1	PA1	UT1	WA1	MEAN
NORTH STAR (PST-A7-60)	6.4	5.5	4.3	8.4	5.4	6.4	4.6	5.9
BARONIE	7.7	4.2	6.3	8.6	5.4	4.9	3.1	5.8
EAGLETON	5.8	4.6	4.7	8.4	6.5	4.8	4.0	5.5
MTT 683	5.9	5.5	3.0	8.2	5.8	5.6	4.4	5.5
BARON	6.7	5.0	4.1	8.4	5.4	4.3	4.4	5.5
CANTERBURY	7.2	4.3	5.0	8.3	5.4	4.2	3.6	5.4
BAR VB 3115B	6.1	5.0	4.3	8.5	5.4	4.7	3.8	5.4
DRAGON (ZPS-429)	7.3	4.5	4.7	8.3	5.2	3.8	3.4	5.3
BARTITIA	6.0	5.6	3.1	8.3	5.7	4.7	3.8	5.3
BLUE STAR	6.2	4.6	3.4	8.5	5.1	4.5	4.4	5.2
BH 95-199	6.3	4.7	3.9	8.1	5.5	4.2	3.6	5.2
PST-B9-196	6.4	4.3	4.7	8.4	5.2	3.6	3.3	5.1
CALIBER	5.9	5.0	4.3	7.6	5.1	4.3	3.5	5.1
BARUZO	4.7	5.1	2.5	8.2	5.2	6.1	3.6	5.0
VB 16015	6.3	4.0	3.3	8.6	4.9	4.2	4.0	5.0
BAR VB 6820	3.1	4.9	2.6	8.2	5.2	5.8	4.7	4.9
SOUTH DAKOTA	5.0	5.2	3.6	8.4	5.0	3.6	3.2	4.9
KENBLUE	4.8	4.6	4.4	8.2	4.9	4.1	2.9	4.8
BAR VB 5649	4.5	4.7	3.6	7.9	5.1	4.4	3.6	4.8
LIPOA	3.9	5.2	2.6	7.8	5.1	5.2	3.6	4.8
BAR VB 233	3.0	4.5	4.2	8.2	5.3	3.8	3.9	4.7
LSD VALUE	1.4	1.1	1.9	0.5	0.6	1.1	0.6	0.4
C.V. (%)	14.9	14.4	29.6	3.7	6.7	14.5	10.5	13.4

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 7. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 GROWN UNDER LOW INPUT AT ONE LOCATIONS  
 USING 3.1-4.0 LBS OF NITROGEN / 1000 SQ. FT. / YEAR 1/  
 1998 DATA

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

NAME	RI1
NORTH STAR (PST-A7-60)	6.9
BAR VB 3115B	5.6
DRAGON (ZPS-429)	5.5
BAR VB 5649	5.4
CALIBER	5.2
EAGLETON	5.2
KENBLUE	4.9
BAR VB 233	4.9
BARONIE	4.9
BARTITIA	4.8
SOUTH DAKOTA	4.7
BAR VB 6820	4.6
BH 95-199	4.6
LIPOA	4.4
BARON	4.4
CANTERBURY	4.4
MTT 683	4.3
BLUE STAR	4.3
VB 16015	4.1
PST-B9-196	3.7
BARUZO	3.4
LSD VALUE	1.0
C.V. (%)	13.5

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 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT DIFFERENT MOWING HEIGHTS 1/  
1998 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	5.2	4.5	6.1	5.4
EAGLETON	4.7	4.5	5.9	5.2
BARONIE	4.0	4.6	5.9	5.2
NORTH STAR (PST-A7-60)	4.9	4.6	5.7	5.2
CANTERBURY	3.9	4.3	5.8	5.0
BARON	4.2	4.3	5.7	5.0
CALIBER	4.3	4.4	5.6	5.0
BARTITIA	3.9	4.0	5.9	5.0
DRAGON (ZPS-429)	4.3	4.2	5.6	4.9
MTT 683	3.8	4.3	5.6	4.9
BH 95-199	3.7	4.1	5.8	4.9
BAR VB 5649	4.3	4.2	5.5	4.9
BLUE STAR	3.8	4.1	5.6	4.8
SOUTH DAKOTA	4.5	4.1	5.3	4.8
PST-B9-196	3.7	4.0	5.6	4.7
BAR VB 233	4.1	4.2	5.2	4.7
KENBLUE	4.6	4.1	5.2	4.7
BARUZO	3.3	4.4	5.2	4.7
VB 16015	3.6	4.0	5.3	4.6
BAR VB 6820	4.0	4.2	4.9	4.6
LIPOA	3.9	4.0	5.1	4.5
LSD VALUE	0.6	0.4	0.3	0.2
C.V. (%)	13.0	15.5	10.9	12.7

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 9. 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/  
 1998 DATA

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

NAME	RI1	UB1	MEAN
BAR VB 3115B	5.6	4.7	5.2
NORTH STAR (PST-A7-60)	6.9	2.9	4.9
EAGLETON	5.2	4.1	4.7
KENBLUE	4.9	4.3	4.6
SOUTH DAKOTA	4.7	4.4	4.5
BAR VB 5649	5.4	3.3	4.3
DRAGON (ZPS-429)	5.5	3.2	4.3
CALIBER	5.2	3.4	4.3
BARON	4.4	4.0	4.2
BAR VB 233	4.9	3.3	4.1
BARONIE	4.9	3.2	4.0
BAR VB 6820	4.6	3.4	4.0
CANTERBURY	4.4	3.5	3.9
LIPOA	4.4	3.4	3.9
BARTITIA	4.8	3.0	3.9
MTT 683	4.3	3.3	3.8
BLUE STAR	4.3	3.3	3.8
BH 95-199	4.6	2.9	3.7
PST-B9-196	3.7	3.6	3.7
VB 16015	4.1	3.2	3.6
BARUZO	3.4	3.2	3.3
LSD VALUE	1.0	0.6	0.6
C.V. (%)	13.5	11.5	13.0

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 10. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT SEVEN LOCATIONS  
USING A 2.1-2.5 INCH MOWING HEIGHT 1/  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								
NAME	IL1	NC1	OK1	QE1	UT1	VA1	WA1	MEAN
BARONIE	4.3	4.3	6.3	6.4	4.9	2.6	3.1	4.6
NORTH STAR (PST-A7-60)	4.5	4.0	4.3	5.3	6.4	2.8	4.6	4.6
BAR VB 3115B	5.2	4.2	4.3	5.6	4.7	3.5	3.8	4.5
EAGLETON	4.5	4.1	4.7	6.0	4.8	3.0	4.0	4.5
CALIBER	4.7	4.4	4.3	6.2	4.3	3.4	3.5	4.4
BARUZO	4.2	4.3	2.5	6.5	6.1	3.3	3.6	4.4
CANTERBURY	4.7	4.2	5.0	6.1	4.2	2.6	3.6	4.3
BARON	4.2	4.6	4.1	5.7	4.3	2.9	4.4	4.3
MTT 683	4.3	4.5	3.0	5.5	5.6	2.5	4.4	4.3
BAR VB 233	4.6	4.7	4.2	6.0	3.8	2.5	3.9	4.2
BAR VB 6820	4.5	4.0	2.6	5.5	5.8	2.6	4.7	4.2
DRAGON (ZPS-429)	4.4	4.4	4.7	5.9	3.8	2.8	3.4	4.2
BAR VB 5649	4.2	4.1	3.6	6.0	4.4	3.2	3.6	4.2
BLUE STAR	4.1	4.2	3.4	5.7	4.5	2.6	4.4	4.1
SOUTH DAKOTA	4.7	4.3	3.6	6.0	3.6	3.2	3.2	4.1
KENBLUE	4.3	4.0	4.4	5.4	4.1	3.3	2.9	4.1
BH 95-199	3.8	4.7	3.9	5.7	4.2	2.6	3.6	4.1
BARTITIA	4.3	3.9	3.1	5.9	4.7	2.4	3.8	4.0
PST-B9-196	4.2	4.4	4.7	5.0	3.6	2.7	3.3	4.0
VB 16015	4.0	4.3	3.3	5.3	4.2	2.7	4.0	4.0
LIPOA	4.4	4.3	2.6	5.2	5.2	2.4	3.6	4.0
LSD VALUE	0.6	1.0	1.9	1.1	1.1	0.4	0.6	0.4
C.V. (%)	8.4	14.6	29.6	12.1	14.5	7.9	10.5	15.5

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 11. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT NINE LOCATIONS  
USING A 2.6+ INCH MOWING HEIGHT 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									MEAN
	IA1	KY1	MI1	MO1	NE1	NJ1	OH1	ON1	PA1	
BAR VB 3115B	6.2	6.1	6.0	5.0	6.2	3.9	7.8	8.5	5.4	6.1
BARTITIA	5.8	6.0	4.7	5.6	5.3	4.0	7.8	8.3	5.7	5.9
EAGLETON	5.8	5.8	4.0	4.6	6.0	4.0	8.0	8.4	6.5	5.9
BARONIE	5.2	7.7	5.2	4.2	6.0	3.6	7.2	8.6	5.4	5.9
CANTERBURY	5.7	7.2	5.2	4.3	5.7	2.9	7.5	8.3	5.4	5.8
BH 95-199	5.2	6.3	4.8	4.7	6.1	3.7	7.5	8.1	5.5	5.8
BARON	5.2	6.7	4.7	5.0	5.7	3.3	7.3	8.4	5.4	5.7
NORTH STAR (PST-A7-60)	5.1	6.4	4.5	5.5	4.9	3.3	7.7	8.4	5.4	5.7
DRAGON (ZPS-429)	4.8	7.3	4.1	4.5	5.7	3.3	7.5	8.3	5.2	5.6
CALIBER	6.0	5.9	5.1	5.0	5.3	3.1	7.5	7.6	5.1	5.6
MTT 683	5.0	5.9	5.1	5.5	4.0	3.2	7.7	8.2	5.8	5.6
BLUE STAR	5.1	6.2	4.8	4.6	5.5	3.4	7.3	8.5	5.1	5.6
PST-B9-196	4.6	6.4	4.5	4.3	5.9	3.1	7.6	8.4	5.2	5.6
BAR VB 5649	5.3	4.5	5.6	4.7	5.1	3.5	7.7	7.9	5.1	5.5
VB 16015	4.8	6.3	4.3	4.0	5.4	2.6	7.3	8.6	4.9	5.3
SOUTH DAKOTA	5.7	5.0	4.7	5.2	4.1	2.8	7.1	8.4	5.0	5.3
BAR VB 233	5.3	3.0	4.6	4.5	5.0	3.3	7.8	8.2	5.3	5.2
BARUZO	4.8	4.7	4.0	5.1	4.5	2.8	7.3	8.2	5.2	5.2
KENBLUE	5.6	4.8	4.7	4.6	4.1	2.7	6.8	8.2	4.9	5.2
LIPOA	4.5	3.9	4.0	5.2	4.9	3.0	7.5	7.8	5.1	5.1
BAR VB 6820	3.9	3.1	4.2	4.9	4.6	2.8	7.5	8.2	5.2	4.9
LSD VALUE	1.2	1.4	1.4	1.1	0.6	0.8	0.5	0.5	0.6	0.3
C.V. (%)	14.0	14.9	19.0	14.4	7.6	15.7	4.3	3.7	6.7	10.9

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 12. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT IN DIFFERENT CLIMATE ZONES 1/  
1998 DATA

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

NAME	TRANSITION ZONE	COOL-HUMID ZONE	COOL-ARID ZONE	MEAN
BAR VB 3115B	4.6	6.0	4.2	5.4
EAGLETON	4.4	5.9	4.4	5.2
BARONIE	4.7	5.7	4.0	5.2
NORTH STAR (PST-A7-60)	4.3	5.6	5.5	5.2
CANTERBURY	4.5	5.6	3.9	5.0
BARON	4.6	5.4	4.4	5.0
CALIBER	4.4	5.6	3.9	5.0
BARTITIA	4.0	5.7	4.3	5.0
DRAGON (ZPS-429)	4.5	5.5	3.6	4.9
MTT 683	4.1	5.3	5.0	4.9
BH 95-199	4.2	5.5	3.9	4.9
BAR VB 5649	3.9	5.6	4.0	4.9
BLUE STAR	4.1	5.4	4.4	4.8
SOUTH DAKOTA	4.3	5.3	3.4	4.8
PST-B9-196	4.3	5.2	3.5	4.7
BAR VB 233	3.7	5.5	3.8	4.7
KENBLUE	4.2	5.2	3.5	4.7
BARUZO	3.8	5.1	4.9	4.7
VB 16015	4.0	5.1	4.1	4.6
BAR VB 6820	3.4	5.1	5.2	4.6
LIPQA	3.6	5.1	4.4	4.5
LSD VALUE	0.5	0.3	0.6	0.2
C.V. (%)	17.4	10.3	13.1	12.7

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 13. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT SIX LOCATIONS 1/  
IN THE TRANSITION ZONE  
1998 DATA

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

NAME	KY1	MO1	NC1	OK1	UB1	VA1	MEAN
BARONIE	7.7	4.2	4.3	6.3	3.2	2.6	4.7
BAR VB 3115B	6.1	5.0	4.2	4.3	4.7	3.5	4.6
BARON	6.7	5.0	4.6	4.1	4.0	2.9	4.6
DRAGON (ZPS-429)	7.3	4.5	4.4	4.7	3.2	2.8	4.5
CANTERBURY	7.2	4.3	4.2	5.0	3.5	2.6	4.5
CALIBER	5.9	5.0	4.4	4.3	3.4	3.4	4.4
EAGLETON	5.8	4.6	4.1	4.7	4.1	3.0	4.4
EST-B9-196	6.4	4.3	4.4	4.7	3.6	2.7	4.3
NORTH STAR (PST-A7-60)	6.4	5.5	4.0	4.3	2.9	2.8	4.3
SOUTH DAKOTA	5.0	5.2	4.3	3.6	4.4	3.2	4.3
KENBLUE	4.8	4.6	4.0	4.4	4.3	3.3	4.2
EH 95-199	6.3	4.7	4.7	3.9	2.9	2.6	4.2
MTT 683	5.9	5.5	4.5	3.0	3.3	2.5	4.1
BLUE STAR	6.2	4.6	4.2	3.4	3.3	2.6	4.1
BARTITIA	6.0	5.6	3.9	3.1	3.0	2.4	4.0
VB 16015	6.3	4.0	4.3	3.3	3.2	2.7	4.0
BAR VB 5649	4.5	4.7	4.1	3.6	3.3	3.2	3.9
BARUZO	4.7	5.1	4.3	2.5	3.2	3.3	3.8
BAR VB 233	3.0	4.5	4.7	4.2	3.3	2.5	3.7
LIPOA	3.9	5.2	4.3	2.6	3.4	2.4	3.6
BAR VB 6820	3.1	4.9	4.0	2.6	3.4	2.6	3.4
LSD VALUE	1.4	1.1	1.0	1.9	0.6	0.4	0.5
C.V. (%)	14.9	14.4	14.6	29.6	11.5	7.9	17.4

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 14. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT TEN LOCATIONS 1/  
IN THE COOL-HUMID ZONE  
1998 DATA

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

NAME	IA1	IL1	MI1	NE1	NJ1	OH1	ON1	PA1	QE1	RI1	MEAN
BAR VB 3115B	6.2	5.2	6.0	6.2	3.9	7.8	8.5	5.4	5.6	5.6	6.0
EAGLETON	5.8	4.5	4.0	6.0	4.0	8.0	8.4	6.5	6.0	5.2	5.9
BARONIE	5.2	4.3	5.2	6.0	3.6	7.2	8.6	5.4	6.4	4.9	5.7
BARTITIA	5.8	4.3	4.7	5.3	4.0	7.8	8.3	5.7	5.9	4.8	5.7
BAR VB 5649	5.3	4.2	5.6	5.1	3.5	7.7	7.9	5.1	6.0	5.4	5.6
CALIBER	6.0	4.7	5.1	5.3	3.1	7.5	7.6	5.1	6.2	5.2	5.6
CANTERBURY	5.7	4.7	5.2	5.7	2.9	7.5	8.3	5.4	6.1	4.4	5.6
NORTH STAR (PST-A7-60)	5.1	4.5	4.5	4.9	3.3	7.7	8.4	5.4	5.3	6.9	5.6
BAR VB 233	5.3	4.6	4.6	5.0	3.3	7.8	8.2	5.3	6.0	4.9	5.5
BH 95-199	5.2	3.8	4.8	6.1	3.7	7.5	8.1	5.5	5.7	4.6	5.5
DRAGON (ZPS-429)	4.8	4.4	4.1	5.7	3.3	7.5	8.3	5.2	5.9	5.5	5.5
BARON	5.2	4.2	4.7	5.7	3.3	7.3	8.4	5.4	5.7	4.4	5.4
BLUE STAR	5.1	4.1	4.8	5.5	3.4	7.3	8.5	5.1	5.7	4.3	5.4
MTT 683	5.0	4.3	5.1	4.0	3.2	7.7	8.2	5.8	5.5	4.3	5.3
SOUTH DAKOTA	5.7	4.7	4.7	4.1	2.8	7.1	8.4	5.0	6.0	4.7	5.3
PST-B9-196	4.6	4.2	4.5	5.9	3.1	7.6	8.4	5.2	5.0	3.7	5.2
KENBLUE	5.6	4.3	4.7	4.1	2.7	6.8	8.2	4.9	5.4	4.9	5.2
VB 16015	4.8	4.0	4.3	5.4	2.6	7.3	8.6	4.9	5.3	4.1	5.1
BARUZO	4.8	4.2	4.0	4.5	2.8	7.3	8.2	5.2	6.5	3.4	5.1
BAR VB 6820	3.9	4.5	4.2	4.6	2.8	7.5	8.2	5.2	5.5	4.6	5.1
LIPOA	4.5	4.4	4.0	4.9	3.0	7.5	7.8	5.1	5.2	4.4	5.1
LSD VALUE	1.2	0.6	1.4	0.6	0.8	0.5	0.5	0.6	1.1	1.0	0.3
C.V. (%)	14.0	8.4	19.0	7.6	15.7	4.3	3.7	6.7	12.1	13.5	10.3

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 15. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT TWO LOCATIONS 1/  
IN THE COOL-ARID ZONE  
1998 DATA

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

NAME	UT1	WA1	MEAN
NORTH STAR (PST-A7-60)	6.4	4.6	5.5
BAR VB 6820	5.8	4.7	5.2
MTT 683	5.6	4.4	5.0
BARUZO	6.1	3.6	4.9
BLUE STAR	4.5	4.4	4.4
EAGLETON	4.8	4.0	4.4
LIPOA	5.2	3.6	4.4
BARON	4.3	4.4	4.4
BARTITIA	4.7	3.8	4.3
BAR VB 3115B	4.7	3.8	4.2
VB 16015	4.2	4.0	4.1
BARONIE	4.9	3.1	4.0
BAR VB 5649	4.4	3.6	4.0
CALIBER	4.3	3.5	3.9
CANTERBURY	4.2	3.6	3.9
BH 95-199	4.2	3.6	3.9
BAR VB 233	3.8	3.9	3.8
DRAGON (ZPS-429)	3.8	3.4	3.6
KENBLUE	4.1	2.9	3.5
PST-B9-196	3.6	3.3	3.5
SOUTH DAKOTA	3.6	3.2	3.4
LSD VALUE	1.1	0.6	0.6
C.V. (%)	14.5	10.5	13.1

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 16.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	IA1	IL1	KY1	MI1	MO1	NC1	NE1	OH1	OK1	ON1	PA1	QE1	RI1	UT1	VA1	WA1	MEAN
VB 16015	6.0	5.7	6.3	6.3	7.3	6.3	8.0	8.3	7.0	4.3	7.3	7.3	8.7	7.3	7.3	5.7	6.8
MTT 683	5.3	5.7	5.7	6.7	6.0	6.7	7.0	8.0	6.0	6.0	8.0	7.7	6.7	7.0	5.0	6.3	6.5
BARON	6.0	5.7	6.0	6.7	6.0	6.3	7.0	8.0	7.3	5.0	7.3	6.0	7.0	6.7	5.7	6.7	6.5
DRAGON (ZPS-429)	5.3	5.3	8.3	6.7	7.7	5.7	6.3	8.0	7.0	5.0	6.7	5.3	7.7	5.3	6.7	5.3	6.4
PST-B9-196	5.0	6.0	8.0	6.3	7.0	7.0	6.0	8.3	7.7	5.7	6.7	5.3	7.7	4.0	7.7	3.3	6.4
BH 95-199	5.3	5.3	7.0	6.7	7.0	6.7	7.0	8.0	7.0	6.0	6.7	5.7	7.3	5.0	6.7	4.0	6.3
NORTH STAR (PST-A7-60)	5.7	6.0	3.7	6.0	5.3	7.0	7.0	8.0	7.3	5.7	7.3	6.3	6.3	7.7	5.3	6.3	6.3
BARUZO	5.0	6.0	2.7	6.0	6.0	5.7	7.0	7.0	6.3	5.0	7.0	6.7	7.7	5.7	6.7	7.0	6.1
BLUE STAR	5.0	5.0	4.7	6.0	6.0	5.7	7.3	8.0	7.0	3.7	7.0	6.7	7.0	6.0	5.0	6.7	6.0
BAR VB 6820	5.7	4.7	1.0	6.7	6.3	6.7	7.0	7.3	6.3	5.7	6.7	6.0	7.0	7.3	5.7	6.7	6.0
BARTITIA	6.0	5.3	4.7	6.0	5.7	6.3	7.0	7.7	6.7	5.7	6.3	5.3	6.3	4.3	5.3	6.0	5.9
CANTERBURY	6.0	5.3	7.3	6.0	6.3	5.3	5.7	7.7	6.7	5.0	5.3	4.0	6.7	4.7	5.7	4.7	5.8
BAR VB 5649	5.3	5.7	6.0	6.7	5.3	6.3	7.0	7.0	6.3	6.0	5.3	4.7	6.0	3.3	6.3	4.3	5.7
LIPOA	4.3	5.3	2.7	6.0	6.0	6.0	7.0	7.0	6.7	5.0	6.3	5.3	7.3	6.0	4.0	6.0	5.7
CALIBER	6.0	5.3	6.7	5.7	6.0	6.0	6.0	7.3	7.0	5.3	5.7	4.0	6.0	3.3	4.7	4.0	5.6
BARONIE	4.7	5.3	7.7	5.3	6.0	5.3	6.0	7.0	7.0	5.7	5.3	4.3	6.0	3.7	4.7	4.3	5.5
EAGLETON	7.3	5.7	6.3	6.0	4.0	4.7	5.0	7.7	6.3	5.7	5.7	4.7	5.3	4.0	3.3	5.0	5.4
BAR VB 233	5.0	5.7	1.0	7.0	5.3	6.7	7.0	7.0	6.3	4.3	6.0	4.7	6.7	3.3	6.0	4.3	5.4
SOUTH DAKOTA	5.7	5.3	7.0	6.3	5.0	5.7	5.3	6.0	6.0	5.0	6.0	4.0	6.3	3.3	3.3	6.0	5.4
KENBLUE	6.0	5.3	7.0	5.7	5.3	4.0	5.3	6.0	7.0	4.7	6.3	4.0	6.0	3.7	3.3	6.0	5.4
BAR VB 3115B	7.0	6.0	5.7	5.3	4.3	5.0	6.0	7.0	6.7	5.0	5.3	3.0	4.7	2.7	4.7	3.3	5.1
LSD VALUE	1.9	1.2	3.9	1.2	1.0	1.6	0.5	0.9	0.9	1.6	0.8	1.0	0.9	1.2	1.0	1.1	0.4
C.V. (%)	20.7	13.9	44.3	11.9	10.0	17.2	4.3	7.4	7.9	18.6	7.9	12.2	8.4	15.2	11.9	13.2	15.7

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 17.

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	IA1	MI1	MO1	NJ1	OH1	OK1	ON1	PA1	UB1	VA1	WA1	MEAN
VB 16015	7.0	5.0	5.7	6.3	8.3	4.0	6.7	4.3	5.7	8.0	4.7	6.0
KENBLUE	6.3	4.3	5.7	8.7	6.0	4.3	6.0	6.7	6.0	4.3	6.3	5.9
SOUTH DAKOTA	7.7	3.7	6.0	8.0	6.0	4.0	5.3	7.0	5.3	3.3	5.7	5.6
PST-B9-196	6.0	4.7	5.3	5.7	8.3	4.3	6.3	5.0	4.7	6.7	4.0	5.5
CANTERBURY	6.0	5.0	5.7	7.0	7.7	4.3	5.7	4.0	5.0	5.0	5.0	5.5
BARONIE	5.3	5.0	5.3	6.3	7.0	5.0	6.7	3.7	6.0	4.7	5.0	5.5
LIPOA	5.3	4.0	6.0	8.3	7.0	3.3	6.0	3.0	5.0	6.7	4.3	5.4
BH 95-199	6.0	4.3	5.3	5.3	8.0	4.3	5.7	3.0	4.7	7.0	4.3	5.3
CALIBER	5.7	4.3	6.0	7.7	7.3	4.0	6.0	4.7	4.3	3.7	4.3	5.3
DRAGON (ZPS-429)	5.3	4.3	5.7	5.7	8.0	4.3	5.7	3.3	4.0	6.7	4.3	5.2
BAR VB 233	4.7	4.0	5.7	5.0	7.0	4.7	6.0	4.7	3.7	7.0	4.3	5.2
EAGLETON	5.3	4.0	5.3	5.3	7.7	3.7	5.7	4.7	5.7	5.0	4.0	5.1
BAR VB 5649	4.3	4.3	5.3	4.7	7.0	4.3	5.3	5.7	3.7	5.3	4.3	4.9
BARUZO	5.3	3.0	6.3	5.0	7.0	2.7	5.3	4.7	3.7	6.3	4.3	4.9
BAR VB 3115B	6.0	4.7	4.7	4.3	7.0	4.0	6.0	3.3	4.7	4.7	4.0	4.8
BLUE STAR	5.3	4.7	3.7	5.0	8.0	3.3	7.0	2.0	3.3	6.7	3.7	4.8
BARTITIA	4.7	4.0	5.0	2.7	7.7	3.7	6.0	3.3	3.7	6.3	3.7	4.6
BARON	4.0	4.0	3.7	3.3	8.0	4.0	6.3	3.7	3.0	7.0	3.0	4.5
BAR VB 6820	4.0	3.3	5.0	3.3	7.3	3.3	6.3	3.3	3.0	7.7	2.7	4.5
NORTH STAR (PST-A7-60)	3.7	3.0	4.3	1.7	8.0	4.0	5.0	3.3	3.0	7.3	3.0	4.2
MTT 683	3.7	3.7	3.0	3.0	8.0	2.7	5.7	2.7	3.0	7.0	2.7	4.1
LSD VALUE	1.1	1.1	1.1	1.6	0.5	1.2	1.3	1.2	0.9	1.1	1.1	0.3
C.V. (%)	12.8	17.1	12.7	18.7	4.5	19.8	13.9	18.5	13.3	11.8	17.1	14.2

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

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

TABLE 18.

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/															MEAN	
	IA1	IL1	KY1	MI1	MO1	NC1	NE1	NJ1	OH1	OK1	ON1	PA1	QE1	RI1	VA1		WA1
KENBLUE	6.3	5.0	9.0	4.7	6.0	8.3	9.0	8.0	6.7	8.0	6.7	7.3	9.0	6.3	8.3	7.0	7.2
SOUTH DAKOTA	6.0	4.3	8.0	4.3	6.3	8.7	9.0	6.7	5.3	7.0	5.0	7.0	8.7	6.3	8.7	6.7	6.8
NORTH STAR (PST-A7-60)	6.0	5.7	6.3	4.7	6.7	7.7	8.3	7.0	5.0	8.0	5.7	6.0	6.3	6.7	7.7	6.7	6.5
MTT 683	6.3	5.0	8.0	4.7	6.7	6.7	8.7	6.3	5.0	7.3	4.7	6.3	6.7	6.7	8.0	7.0	6.5
BAR VB 3115B	6.3	5.3	5.7	5.3	5.7	7.3	7.7	7.3	5.0	7.0	7.0	5.7	6.7	5.7	8.0	6.0	6.4
CALIBER	6.0	5.0	5.7	6.3	5.7	7.3	7.3	6.0	5.3	7.0	5.0	6.0	6.7	6.7	8.7	5.3	6.3
LIPOA	5.7	5.7	3.7	5.7	5.7	7.7	8.7	7.0	5.0	7.3	6.3	5.7	6.7	6.0	7.0	6.3	6.3
BARTITIA	6.0	4.3	5.7	5.0	6.0	7.3	8.3	6.7	5.0	7.3	4.7	6.0	8.0	6.0	7.3	6.0	6.2
BARONIE	6.7	4.7	7.7	4.7	5.3	7.7	7.7	5.7	5.0	7.7	6.7	5.7	6.3	5.7	7.3	5.0	6.2
BAR VB 6820	6.3	5.0	1.0	5.0	5.7	8.3	8.0	5.7	4.7	9.0	6.0	5.7	7.0	6.7	8.3	6.7	6.2
BARUZO	6.0	5.3	3.3	5.0	6.0	7.7	8.0	6.3	5.0	6.7	4.3	6.0	7.3	6.3	8.7	6.3	6.1
CANTERBURY	6.3	5.0	7.3	5.7	4.7	7.3	7.3	5.3	4.7	7.0	5.3	5.7	6.0	5.7	8.0	5.3	6.0
BH 95-199	6.0	5.0	6.7	6.3	4.7	7.3	6.3	4.7	4.0	7.0	7.0	5.3	5.7	6.0	8.3	5.3	6.0
BAR VB 5649	6.0	5.3	5.3	5.7	5.0	7.0	7.3	4.3	5.0	7.0	6.7	6.0	6.3	6.3	7.0	5.0	6.0
EAGLETON	5.7	4.7	4.3	6.7	4.0	7.3	6.3	6.0	5.0	7.0	6.3	6.0	6.7	5.3	6.3	5.3	5.8
BLUE STAR	6.0	4.7	4.3	5.3	5.3	8.0	7.0	4.0	4.0	6.7	6.3	5.7	6.3	6.3	7.0	6.0	5.8
VB 16015	5.7	5.3	5.0	6.3	4.3	7.3	7.0	4.3	4.3	6.7	6.3	5.7	6.0	6.0	6.0	5.7	5.8
BAR VB 233	5.7	5.7	1.0	5.7	5.3	7.7	7.7	4.3	5.0	7.0	5.7	6.0	7.0	5.7	7.3	5.3	5.8
BARON	6.0	5.0	4.7	6.7	5.3	7.3	7.0	3.7	4.3	7.0	4.0	6.0	5.7	6.0	7.0	6.0	5.7
DRAGON (ZPS-429)	6.0	5.0	5.0	6.0	4.0	7.3	7.0	5.0	4.0	7.3	6.0	6.0	5.7	5.7	5.7	5.3	5.7
PST-B9-196	4.7	5.0	5.7	6.7	4.0	6.7	5.0	3.3	3.7	6.3	7.0	4.7	4.3	5.3	5.0	4.7	5.1
LSD VALUE	0.8	1.1	4.5	1.5	0.8	1.3	0.9	1.6	0.7	1.0	2.2	0.8	1.4	1.0	1.3	0.7	0.4
C.V. (%)	8.7	13.0	52.0	16.6	8.8	11.0	7.1	17.0	8.7	7.9	23.4	8.0	13.2	9.7	11.0	7.8	16.5

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 19. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	MO1	NC1	NE1	OK1	ON1	QE1	MEAN
BAR VB 3115B	7.3	5.0	9.0	6.3	6.0	6.3	6.7
BAR VB 233	6.0	5.7	9.0	6.3	6.7	6.0	6.6
CALIBER	6.3	5.3	8.7	6.7	6.7	5.7	6.6
BARONIE	4.0	5.0	9.0	7.3	6.7	6.7	6.4
BAR VB 5649	5.7	4.3	9.0	6.0	6.0	6.7	6.3
SOUTH DAKOTA	6.7	5.3	8.3	6.7	6.0	4.7	6.3
NORTH STAR (PST-A7-60)	5.3	5.0	8.3	7.3	6.7	4.7	6.2
BARTITIA	5.7	4.3	8.3	6.3	6.0	6.0	6.1
BH 95-199	5.0	5.0	9.0	6.0	5.7	5.7	6.1
EAGLETON	5.7	4.7	9.0	5.7	6.0	5.3	6.1
CANTERBURY	4.7	4.3	8.7	6.3	6.0	6.3	6.1
KENBLUE	6.3	4.7	8.0	8.0	6.0	3.0	6.0
LIPOA	6.3	4.7	7.3	5.3	6.7	5.7	6.0
BARUZO	6.0	5.0	7.3	4.7	6.7	6.0	5.9
BARON	5.0	4.7	8.0	6.3	6.3	5.0	5.9
DRAGON (ZPS-429)	4.3	4.7	8.3	6.7	6.0	5.0	5.8
PST-B9-196	5.0	4.3	8.7	5.3	5.7	5.3	5.7
BLUE STAR	5.0	4.7	7.7	5.7	6.0	5.0	5.7
MIT 683	5.7	4.7	8.0	4.3	6.7	4.3	5.6
BAR VB 6820	5.0	4.3	8.0	4.3	7.0	4.7	5.6
VB 16015	4.3	5.0	8.0	4.7	6.3	4.3	5.4
LSD VALUE	1.6	2.0	0.6	2.2	1.3	2.0	0.7
C.V. (%)	17.9	26.2	4.8	22.9	13.3	23.3	17.7

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 20. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	MO1	NE1	OK1	QE1	UT1	MEAN
BAR VB 3115B	6.3	7.0	4.7	7.7	6.3	6.4
BARONIE	5.0	7.3	7.0	7.3	5.3	6.4
NORTH STAR (PST-A7-60)	6.3	6.7	6.3	6.0	6.0	6.3
SOUTH DAKOTA	5.7	6.0	4.7	7.3	5.7	5.9
CANTERBURY	4.7	7.3	5.0	7.3	5.0	5.9
DRAGON (ZPS-429)	4.3	7.3	5.7	7.3	4.7	5.9
BARON	5.3	7.7	5.3	5.7	4.7	5.7
CALIBER	5.3	6.3	5.0	7.3	4.7	5.7
EAGLETON	5.0	7.0	5.3	6.3	4.7	5.7
BARTITIA	6.3	7.0	4.0	6.7	4.0	5.6
BARUZO	5.7	6.0	2.3	7.7	6.3	5.6
KENBLUE	5.3	6.0	5.3	7.3	3.3	5.5
BAR VB 233	5.3	5.3	4.7	7.0	4.7	5.4
BH 95-199	4.7	7.3	4.0	6.7	4.3	5.4
BLUE STAR	5.3	7.0	3.0	6.0	5.3	5.3
BAR VB 6820	5.0	5.7	2.3	7.0	6.0	5.2
BAR VB 5649	5.0	4.7	3.7	7.3	5.0	5.1
MTT 683	5.7	4.3	3.3	6.7	5.7	5.1
PST-B9-196	4.0	6.7	5.0	5.3	4.0	5.0
LIPOA	5.7	5.3	2.3	6.0	5.3	4.9
VB 16015	4.0	6.7	3.3	5.3	4.3	4.7
LSD VALUE	1.3	1.8	3.2	1.8	1.8	0.9
C.V. (%)	15.6	17.2	44.6	16.3	22.6	23.1

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 21. FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	IL1	NC1	NE1	OK1	ON1	QE1	
EAGLETON	4.3	6.0	8.7	6.7	9.0	7.7	7.1
DRAGON (ZPS-429)	4.7	5.3	8.0	6.7	9.0	7.3	6.8
BAR VB 3115B	6.3	5.0	8.7	4.3	9.0	7.7	6.8
CALIBER	5.0	5.0	8.3	6.7	8.3	7.3	6.8
BARONIE	4.0	4.7	8.0	7.3	9.0	7.3	6.7
CANTERBURY	4.3	5.0	8.0	6.3	9.0	7.7	6.7
KENBLUE	5.3	5.7	7.3	6.3	9.0	6.7	6.7
BLUE STAR	5.3	6.0	8.0	4.0	9.0	7.0	6.6
BARON	4.3	6.3	7.7	4.7	9.0	7.0	6.5
BH 95-199	3.3	5.7	8.3	5.7	9.0	7.0	6.5
LIPOA	5.3	5.7	7.0	5.0	9.0	7.0	6.5
BARTITIA	4.0	5.7	7.3	5.3	9.0	7.3	6.4
SOUTH DAKOTA	5.3	5.0	7.0	4.7	9.0	7.3	6.4
MTT 683	4.3	5.3	6.0	6.7	9.0	7.0	6.4
EST-B9-196	4.0	5.7	8.3	4.3	9.0	7.0	6.4
BAR VB 5649	4.3	5.3	7.3	3.7	9.0	7.7	6.2
NORTH STAR (PST-A7-60)	4.7	4.7	7.3	5.0	8.7	7.0	6.2
VB 16015	3.7	4.7	7.7	5.0	9.0	6.7	6.1
BAR VB 233	4.3	4.3	7.0	4.0	8.7	7.0	5.9
BARUZO	4.3	4.3	6.0	3.3	9.0	8.0	5.8
BAR VB 6820	3.7	4.7	7.0	3.0	9.0	6.3	5.6
LSD VALUE	1.8	1.4	1.4	2.5	0.4	0.9	0.6
C.V. (%)	24.4	16.7	11.8	30.4	2.4	8.0	15.1

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 22. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MO1	NC1	OK1	MEAN
CALIBER	98.3	95.7	93.3	95.8
BH 95-199	95.0	95.3	91.3	93.9
BAR VB 233	98.7	93.3	86.0	92.7
KENBLUE	89.3	92.0	95.7	92.3
CANTERBURY	91.0	86.7	98.3	92.0
BAR VB 3115B	99.0	84.0	92.3	91.8
EAGLETON	97.3	91.7	85.3	91.4
BARONIE	91.0	84.0	99.0	91.3
NORTH STAR (PST-A7-60)	93.3	87.3	92.3	91.0
SOUTH DAKOTA	97.0	93.0	83.0	91.0
BARON	93.3	94.0	84.7	90.7
DRAGON (ZPS-429)	90.0	87.3	92.7	90.0
PST-B9-196	93.0	90.7	86.0	89.9
BAR VB 5649	97.0	82.3	86.3	88.6
VB 16015	93.3	89.0	81.7	88.0
BLUE STAR	89.3	90.7	80.0	86.7
BARTITIA	93.3	80.0	85.0	86.1
MTT 683	94.3	90.7	70.0	85.0
LIPOA	97.7	83.7	51.7	77.7
BARUZO	97.0	94.0	41.7	77.6
BAR VB 6820	94.3	90.0	46.7	77.0
LSD VALUE	7.5	17.6	28.9	11.6
C.V. (%)	5.0	12.3	21.9	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.



TABLE 23. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	NC1	OK1	MEAN
BARONIE	67.7	90.0	78.8
DRAGON (ZPS-429)	90.0	65.0	77.5
BAR VB 233	96.3	52.3	74.3
PST-B9-196	93.3	55.0	74.2
BLUE STAR	94.7	52.3	73.5
CANTERBURY	90.0	55.7	72.8
EAGLETON	83.3	61.0	72.2
BARON	96.0	45.0	70.5
CALIBER	90.0	46.7	68.3
NORTH STAR (PST-A7-60)	76.7	51.7	64.2
BH 95-199	92.3	35.0	63.7
BAR VB 3115B	89.0	35.7	62.3
BAR VB 5649	86.0	27.3	56.7
SOUTH DAKOTA	76.7	30.0	53.3
MTT 683	93.7	12.3	53.0
VB 16015	75.0	30.0	52.5
BARTITIA	89.0	15.7	52.3
KENBLUE	66.7	35.0	50.8
LIPOA	91.3	4.0	47.7
BARUZO	79.3	5.7	42.5
BAR VB 6820	61.7	16.3	39.0
LSD VALUE	24.0	52.9	29.0
C.V. (%)	17.6	84.0	41.2

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

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

TABLE 24. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KY1	NC1	NJ1	OK1	UB1	MEAN
KENBLUE	96.3	88.3	43.3	58.3	90.0	75.3
BARONIE	96.3	86.0	48.3	99.0	0.7	66.1
SOUTH DAKOTA	84.0	86.7	41.7	33.3	80.0	65.1
EAGLETON	53.3	93.3	68.3	64.7	32.0	62.3
DRAGON (ZPS-429)	96.7	92.7	48.3	58.3	10.7	61.3
CANTERBURY	96.3	90.0	45.0	63.0	9.7	60.8
PST-B9-196	78.3	95.0	43.3	64.7	21.7	60.6
BAR VB 3115B	65.0	88.3	63.3	63.0	15.7	59.1
CALIBER	75.0	91.7	51.7	56.7	3.0	55.6
BARON	65.3	93.3	45.0	52.3	15.0	54.2
BH 95-199	67.3	90.7	38.3	51.7	0.7	49.7
MTT 683	80.7	91.3	34.3	30.0	1.7	47.6
BARTITIA	59.0	81.7	70.0	17.3	0.0	45.6
BAR VB 5649	34.0	93.3	50.0	45.0	2.7	45.0
BLUE STAR	63.0	93.3	43.3	13.3	4.0	43.4
NORTH STAR (PST-A7-60)	45.7	78.3	45.0	40.0	0.3	41.9
VB 16015	60.3	81.7	31.7	26.7	1.3	40.3
BAR VB 233	4.7	94.0	45.0	51.7	4.0	39.9
BARUZO	31.7	83.3	48.3	9.0	10.3	36.5
LIPOA	26.3	92.7	24.3	2.3	0.3	29.2
BAR VB 6820	7.7	85.0	20.0	1.3	4.0	23.6
LSD VALUE	45.1	15.0	29.9	56.7	21.0	16.5
C.V. (%)	45.7	10.5	41.2	82.1	89.3	45.3

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 25. WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	NC1	OK1	MEAN
LIPOA	4.3	7.7	6.0
MTT 683	4.0	7.3	5.7
VB 16015	4.7	6.3	5.5
BAR VB 233	4.7	6.0	5.3
BAR VB 5649	4.0	6.7	5.3
BAR VB 6820	4.0	6.3	5.2
DRAGON (ZPS-429)	4.3	6.0	5.2
PST-B9-196	4.0	6.3	5.2
BAR VB 3115B	4.3	5.7	5.0
BARUZO	4.0	6.0	5.0
BH 95-199	4.3	5.7	5.0
EAGLETON	4.0	6.0	5.0
BARONIE	4.0	5.7	4.8
CANTERBURY	4.0	5.7	4.8
CALIBER	4.0	5.3	4.7
BARTITIA	4.0	5.0	4.5
BARON	4.0	4.7	4.3
SOUTH DAKOTA	4.0	4.7	4.3
BLUE STAR	4.0	4.0	4.0
KENBLUE	4.0	4.0	4.0
NORTH STAR (PST-A7-60)	4.0	4.0	4.0
LSD VALUE	0.6	2.6	1.3
C.V. (%)	9.2	28.1	23.7

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 26. DROUGHT TOLERANCE (RECOVERY) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	VAL
KENBLUE	6.0
DRAGON (ZPS-429)	4.7
BAR VB 3115B	4.3
BARUZO	4.0
EAGLETON	4.0
BAR VB 233	3.7
CALIBER	3.3
NORTH STAR (PST-A7-60)	3.3
VB 16015	3.3
BAR VB 5649	3.0
BARONIE	3.0
BLUE STAR	3.0
LIPOA	3.0
SOUTH DAKOTA	3.0
BARON	2.7
MTT 683	2.7
BARTITIA	2.3
CANTERBURY	2.3
BAR VB 6820	2.0
BH 95-199	2.0
PST-B9-196	2.0
LSD VALUE	1.4
C.V. (%)	27.4

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 27. THATCH MEASUREMENTS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

THATCH MEASUREMENTS IN MILLIMETERS 2/

NAME	QE1
BAR VB 6820	14.7
BARTITIA	10.0
LIPOA	7.0
BARON	5.0
SOUTH DAKOTA	5.0
NORTH STAR (PST-A7-60)	4.7
VB 16015	4.7
BAR VB 5649	4.3
BARUZO	4.3
CALIBER	4.3
BAR VB 233	3.0
CANTERBURY	3.0
DRAGON (ZPS-429)	3.0
KENBLUE	3.0
PST-B9-196	3.0
BH 95-199	2.7
MTT 683	2.7
BAR VB 3115B	2.3
EAGLETON	1.7
BLUE STAR	1.3
BARONIE	1.0
LSD VALUE	4.4
C.V. (%)	64.1

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. LEAF SPOT (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	UB1
BAR VB 3115B	8.0
BAR VB 6820	8.0
BARTITIA	8.0
MTT 683	8.0
NORTH STAR (PST-A7-60)	8.0
PST-B9-196	8.0
VB 16015	8.0
BH 95-199	7.3
LIPQA	7.3
BARON	7.0
EAGLETON	7.0
BAR VB 233	6.7
BAR VB 5649	6.7
BARONIE	6.7
BARUZO	6.7
CALIBER	6.3
BLUE STAR	6.0
CANTERBURY	6.0
DRAGON (ZPS-429)	5.7
SOUTH DAKOTA	4.0
KENBLUE	3.7
LSD VALUE	0.6
C.V. (%)	5.6

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 29. STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	NC1
CANTERBURY	7.7
LIPOA	7.7
BARONIE	7.3
EAGLETON	7.3
SOUTH DAKOTA	7.3
NORTH STAR (PST-A7-60)	7.0
BAR VB 5649	6.7
BH 95-199	6.7
BLUE STAR	6.7
DRAGON (ZPS-429)	6.3
KENBLUE	6.3
PST-B9-196	6.3
VB 16015	6.3
BAR VB 3115B	6.0
BAR VB 6820	5.7
BARUZO	5.7
MTT 683	5.3
BARON	5.0
BARTITIA	5.0
CALIBER	5.0
BAR VB 233	4.0
LSD VALUE	2.7
C.V. (%)	27.3

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. RED THREAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	QE1
BAR VB 233	7.0
BAR VB 3115B	7.0
BAR VB 5649	7.0
BAR VB 6820	7.0
BARON	7.0
BARONIE	7.0
BARTITIA	7.0
BH 95-199	7.0
BLUE STAR	7.0
CALIBER	7.0
CANTERBURY	7.0
EAGLETON	7.0
KENBLUE	7.0
LIPOA	7.0
MTT 683	7.0
NORTH STAR (PST-A7-60)	7.0
SOUTH DAKOTA	7.0
VB 16015	7.0
DRAGON (ZPS-429)	6.3
PST-B9-196	6.3
BARUZO	5.3
LSD VALUE	1.2
C.V. (%)	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 31. SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	NC1
BARON	8.3
DRAGON (ZPS-429)	8.3
BH 95-199	7.7
PST-B9-196	7.7
BAR VB 233	7.3
BLUE STAR	7.3
CANTERBURY	7.3
CALIBER	7.0
EAGLETON	7.0
LIPPOA	7.0
MTT 683	6.7
NORTH STAR (PST-A7-60)	6.7
BARONIE	6.3
BAR VB 3115B	6.0
BAR VB 5649	6.0
SOUTH DAKOTA	6.0
VB 16015	6.0
BARTITIA	5.7
BARUZO	5.7
KENBLUE	5.7
BAR VB 6820	4.7
LSD VALUE	2.5
C.V. (%)	23.2

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

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

TABLE 32. PERCENT SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN UNDER LOW INPUT 2/  
1998 DATA

NAME	OH1
BLUE STAR	85.0
CANTERBURY	80.0
VB 16015	76.7
PST-B9-196	71.7
SOUTH DAKOTA	68.3
LIPPOA	63.3
BARON	58.3
BARTITIA	56.7
NORTH STAR (PST-A7-60)	50.0
CALIBER	46.7
BAR VB 6820	43.3
BAR VB 5649	41.7
DRAGON (ZPS-429)	40.0
MTT 683	38.3
BAR VB 3115B	31.7
BH 95-199	31.7
KENBLUE	31.7
BARONIE	25.0
BAR VB 233	21.7
EAGLETON	20.0
BARUZO	18.3
LSD VALUE	35.2
C.V. (%)	45.9

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 33. SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MO1
BAR VB 3115B	8.0
KENBLUE	8.0
CALIBER	7.3
EAGLETON	7.3
LIPOA	7.3
SOUTH DAKOTA	7.3
BARTITIA	7.0
MTT 683	6.3
BAR VB 233	5.7
BAR VB 5649	5.7
PST-B9-196	5.3
NORTH STAR (PST-A7-60)	5.0
BARON	3.0
BARUZO	3.0
BH 95-199	2.7
BAR VB 6820	2.3
CANTERBURY	2.3
BARONIE	2.0
DRAGON (ZPS-429)	2.0
VB 16015	2.0
BLUE STAR	1.7
LSD VALUE	1.4
C.V. (%)	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 34. LEAF RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT 1/  
1998 DATA

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

NAME	NC1
PST-B9-196	9.0
BAR VB 3115B	8.7
BAR VB 6820	8.7
BARUZO	8.7
MTT 683	8.7
BAR VB 233	8.3
CALIBER	8.3
DRAGON (ZPS-429)	8.3
EAGLETON	8.3
BARON	8.0
BH 95-199	8.0
BLUE STAR	8.0
CANTERBURY	8.0
KENBLUE	8.0
LIPOA	8.0
VB 16015	8.0
BARONIE	7.7
BARTITIA	7.7
NORTH STAR (PST-A7-60)	7.7
BAR VB 5649	7.3
SOUTH DAKOTA	7.0
LSD VALUE	0.9
C.V. (%)	6.6

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 35. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT MEAD, NE 1/  
1998 DATA

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

NAME	JULY	SEPTEMBER	MEAN
VB 16015	8.3	7.7	8.0
BH 95-199	8.3	7.3	7.8
PST-B9-196	8.0	7.3	7.7
BARON	8.0	6.7	7.3
EAGLETON	7.0	7.7	7.3
BARONIE	7.3	6.7	7.0
DRAGON (ZPS-429)	7.7	6.3	7.0
BLUE STAR	8.0	5.7	6.8
CANTERBURY	7.3	6.0	6.7
BAR VB 3115B	5.7	7.0	6.3
BARUZO	8.0	4.0	6.0
NORTH STAR (PST-A7-60)	6.0	5.3	5.7
BAR VB 6820	5.7	5.0	5.3
BARTITIA	6.3	4.3	5.3
CALIBER	4.3	5.3	4.8
LIPOA	5.7	4.0	4.8
BAR VB 233	4.0	4.7	4.3
SOUTH DAKOTA	5.0	3.7	4.3
BAR VB 5649	3.7	4.3	4.0
KENBLUE	4.3	3.3	3.8
MTT 683	2.3	3.3	2.8
LSD VALUE	2.3	1.2	1.4
C.V. (%)	22.7	14.2	15.1

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 36. DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/  
1998 DATA

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

NAME	JUNE	JULY	MEAN
BARON	8.0	8.3	8.2
BH 95-199	7.7	7.7	7.7
BLUE STAR	8.0	7.3	7.7
SOUTH DAKOTA	8.0	7.3	7.7
VB 16015	8.3	7.0	7.7
BAR VB 233	8.0	7.0	7.5
EAGLETON	7.3	7.7	7.5
MTT 683	8.0	6.7	7.3
BARONIE	7.7	6.7	7.2
BARUZO	7.7	6.7	7.2
CANTERBURY	7.0	7.3	7.2
LIPOA	7.0	7.3	7.2
PST-B9-196	7.7	6.7	7.2
BAR VB 6820	7.3	6.7	7.0
DRAGON (ZPS-429)	7.0	7.0	7.0
BAR VB 3115B	7.7	5.7	6.7
CALIBER	7.0	6.3	6.7
NORTH STAR (PST-A7-60)	6.7	6.7	6.7
KENBLUE	6.3	5.7	6.0
BAR VB 5649	6.0	5.7	5.8
BARTITIA	6.3	5.0	5.7
LSD VALUE	3.0	4.6	3.8
C.V. (%)	14.4	21.6	16.9

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 37. PATCH DISEASE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT LEXINGTON, KY 1/  
1998 DATA

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

NAME	JULY	AUGUST	MEAN
BAR VB 233	66.7	95.7	81.2
BAR VB 6820	63.3	93.7	78.5
BAR VB 5649	35.0	66.7	50.8
LIPOA	13.0	68.0	40.5
BARUZO	33.7	44.3	39.0
NORTH STAR (EST-A7-60)	2.3	53.3	27.8
CALIBER	8.3	32.3	20.3
BH 95-199	5.3	31.3	18.3
KENBLUE	10.0	26.7	18.3
BARON	7.0	29.3	18.2
BLUE STAR	12.3	19.7	16.0
BARTITIA	5.3	26.3	15.8
MTT 683	8.7	18.0	13.3
BAR VB 3115B	6.0	18.7	12.3
EAGLETON	4.0	20.0	12.0
VB 16015	14.0	6.3	10.2
SOUTH DAKOTA	3.3	16.0	9.7
CANTERBURY	11.3	2.3	6.8
BARONIE	9.3	0.3	4.8
PST-B9-196	0.3	6.3	3.3
DRAGON (ZPS-429)	0.7	0.7	0.7
LSD VALUE	25.2	40.4	27.1
C.V. (%)	98.6	73.8	69.8

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 38. WEED COUNTS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW INPUT AT LOGAN, UT 1/  
1998 DATA

WEED COUNTS MEASURED THE NUMBER OF WEEDS / S.Q. FT. 2/

NAME	AUGUST	OCTOBER	MEAN
BARON	12.3	6.0	9.2
EAGLETON	14.3	3.7	9.0
BLUE STAR	12.3	4.3	8.3
BARONIE	12.3	3.7	8.0
VB 16015	10.0	5.0	7.5
BAR VB 233	10.3	4.0	7.2
BH 95-199	7.3	5.0	6.2
CALIBER	9.7	2.3	6.0
PST-B9-196	8.0	3.0	5.5
BAR VB 6820	8.0	2.3	5.2
LIPOA	8.7	1.3	5.0
KENBLUE	7.7	1.7	4.7
BAR VB 3115B	6.0	2.3	4.2
BARTITIA	6.3	1.7	4.0
CANTERBURY	4.7	3.3	4.0
SOUTH DAKOTA	7.0	1.0	4.0
BARUZO	5.3	2.0	3.7
DRAGON (ZPS-429)	3.3	2.7	3.0
NORTH STAR (PST-A7-60)	4.3	1.0	2.7
MTT 683	3.3	1.3	2.3
BAR VB 5649	2.7	1.7	2.2
LSD VALUE	17.3	4.3	9.0
C.V. (%)	73.8	66.1	62.6

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.