



CONTENTS

2008 National Bentgrass (Putting Green) Test - 2009-13 data

LOCATIONS SUBMITTING DATA FOR 2009-13.....1

NATIONAL BENTGRASS (PUTTING GREEN) TEST, 2008 - Entries and Sponsors.....2

Table A - 2009-13 Locations, Site Descriptions and Management Practices  
in the 2008 National Bentgrass (Putting Green) Test.....3

Table B - Locations and Data Collected in 2009-13.....4

Table 1A - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown  
on a Green at Five Locations in the U.S.  
for AMMI Group 1 (2009 Data).....8

Table 1B - Mean Turfgrass Quality Ratings of Creeping Bentgrass Cultivars  
Grown on a Green at Five Locations in the U.S.  
for AMMI Group 1 (2009 Data).....9

Table 1C - Mean Turfgrass Quality Ratings of Velvet Bentgrass Cultivars  
Grown on a Green at Five Locations in the U.S.  
for AMMI Group 1 (2009 Data).....9

Table 2A - Mean Turfgrass Quality Ratings of Bentgrass Cultivars  
Grown on a Green at Four Locations in the U.S.  
for AMMI Group 2 (2009 Data).....10

Table 2B - Mean Turfgrass Quality Ratings of Creeping Bentgrass Cultivars  
Grown on a Green at Four Locations in the U.S.  
for AMMI Group 2 (2009 Data).....11

Table 2C - Mean Turfgrass Quality Ratings of Velvet Bentgrass Cultivars  
Grown on a Green at Four Locations in the U.S.  
for AMMI Group 2 (2009 Data).....11

Table 3A - Mean Turfgrass Quality Ratings of Bentgrass Cultivars  
Grown on a Green at One Location in the U.S.  
for AMMI Group 3 (2009 Data).....12

Table 3B - Mean Turfgrass Quality Ratings of Creeping Bentgrass Cultivars  
Grown on a Green at One Location in the U.S.  
for AMMI Group 3 (2009 Data).....13

Table 3C - Mean Turfgrass Quality Ratings of Velvet Bentgrass Cultivars  
Grown on a Green at One Location in the U.S.  
for AMMI Group 3 (2009 Data).....13

Table 4A - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown  
on a Green at Five Locations in the U.S.  
for AMMI Group 1 (2010 Data).....14

Table 4B - Mean Turfgrass Quality Ratings of Creeping Bentgrass Cultivars  
Grown on a Green at Five Locations in the U.S.  
for AMMI Group 1 (2010 Data).....15





























































































































































































































TABLE 37B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	UT1	WA3	MEAN
V8	6.3	6.7	6.4
ALPHA	5.7	6.7	6.0
AUTHORITY	5.2	6.0	5.4
PIN-UP (HTM)	4.8	6.7	5.4
T-1	4.8	6.7	5.4
BARRACUDA (MVS-AP-101)	5.0	6.0	5.3
PROCLAMATION (LTP-FEC)	4.7	6.7	5.3
PENN A-2	4.5	6.3	5.1
LUMINARY (A08-TDN2)	4.2	6.7	5.0
PENN A-1	4.5	5.7	4.9
FOCUS (SRP-1GMC)	4.2	6.0	4.8
SRP-1BLTR3	4.2	6.0	4.8
PURE DISTINCTION (PST-OJO)	4.0	6.0	4.7
L-93	3.8	6.0	4.6
PENNCROSS	3.2	6.7	4.3
DECLARATION	3.5	6.0	4.3
AFM	3.3	6.0	4.2
LSD VALUE	1.4	0.9	1.2
C.V. (%)	19.9	8.6	16.1

TABLE 37C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	UT1	WA3	MEAN
SR 7200	4.0	6.3	4.8
VILLA	4.2	5.7	4.7
LSD VALUE	1.1	1.5	1.2
C.V. (%)	27.6	15.2	23.5

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.

3/ FALL COLOR (OCTOBER) RATED AT "UT1" IN 2009 & 2013 AND AT "WA3" IN 2012.

TABLE 38A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
LUMINARY (A08-TDN2)	7.0	5.3	8.7	6.6
AUTHORITY	7.7	5.0	8.0	6.4
BARRACUDA (MVS-AP-101)	7.0	5.7	7.0	6.3
FOCUS (SRP-1GMC)	6.7	5.7	7.3	6.3
SRP-1BLTR3	7.3	5.3	7.3	6.3
V8	7.3	5.3	7.3	6.3
PURE DISTINCTION (PST-OJO)	6.7	5.3	7.7	6.3
PENN A-1	7.0	4.0	9.0	6.0
DECLARATION	6.7	5.2	6.7	5.9
PROCLAMATION (LTP-FEC)	6.7	4.7	7.7	5.9
PENN A-2	7.7	4.0	7.7	5.8
AFM	6.7	4.3	7.3	5.7
T-1	7.7	3.8	7.3	5.7
PIN-UP (HTM)	7.0	4.7	6.3	5.7
VILLA	6.3	4.5	6.7	5.5
SR 7200	7.3	4.3	3.7	4.9
ALPHA	6.3	3.2	7.0	4.9
L-93	6.3	3.5	6.3	4.9
PENNCROSS	5.7	2.0	6.3	4.0
LSD VALUE	1.2	1.1	1.7	1.3
C.V. (%)	11.0	17.4	14.2	15.0

- 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.
- 3/ FALL COLOR (NOVEMBER) RATED AT "AR1" IN 2010, AT "PA1" IN 2009 & 2013 AND AT "RI1" IN 2012.

TABLE 38B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
LUMINARY (A08-TDN2)	7.0	5.3	8.7	6.6
AUTHORITY	7.7	5.0	8.0	6.4
BARRACUDA (MVS-AP-101)	7.0	5.7	7.0	6.3
FOCUS (SRP-1GMC)	6.7	5.7	7.3	6.3
SRP-1BLTR3	7.3	5.3	7.3	6.3
V8	7.3	5.3	7.3	6.3
PURE DISTINCTION (PST-OJO)	6.7	5.3	7.7	6.3
PENN A-1	7.0	4.0	9.0	6.0
DECLARATION	6.7	5.2	6.7	5.9
PROCLAMATION (LTP-FEC)	6.7	4.7	7.7	5.9
PENN A-2	7.7	4.0	7.7	5.8
AFM	6.7	4.3	7.3	5.7
T-1	7.7	3.8	7.3	5.7
PIN-UP (HTM)	7.0	4.7	6.3	5.7
ALPHA	6.3	3.2	7.0	4.9
L-93	6.3	3.5	6.3	4.9
PENNCROSS	5.7	2.0	6.3	4.0
LSD VALUE	1.2	1.1	1.7	1.3
C.V. (%)	10.7	17.2	13.9	14.8

TABLE 38C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
VILLA	6.3	4.5	6.7	5.5
SR 7200	7.3	4.3	3.7	4.9
LSD VALUE	1.5	0.9	1.5	1.2
C.V. (%)	13.4	23.2	17.7	19.3

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.

3/ FALL COLOR (NOVEMBER) RATED AT "AR1" IN 2010, AT "PA1" IN 2009 & 2013 AND AT "RI1" IN 2012.

TABLE 39A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	4.7	4.7	4.7
DECLARATION	5.0	4.3	4.7
PENN A-1	5.0	4.3	4.7
PIN-UP (HTM)	5.0	4.3	4.7
LUMINARY (A08-TDN2)	4.7	4.0	4.3
PURE DISTINCTION (PST-OJO)	4.0	4.7	4.3
SR 7200	4.0	4.7	4.3
V8	4.3	4.3	4.3
VILLA	3.3	5.0	4.2
AUTHORITY	4.0	4.0	4.0
FOCUS (SRP-1GMC)	4.0	4.0	4.0
AFM	3.7	4.0	3.8
PROCLAMATION (LTP-FEC)	3.3	4.0	3.7
T-1	3.3	4.0	3.7
SRP-1BLTR3	3.7	3.7	3.7
ALPHA	2.7	4.0	3.3
L-93	3.0	3.7	3.3
PENN A-2	2.3	4.0	3.2
PENNCROSS	2.3	3.7	3.0
LSD VALUE	1.6	0.8	1.2
C.V. (%)	26.0	11.4	18.7

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.

3/ FALL COLOR (DECEMBER) RATED AT "VA1" IN 2009 AND AT "WA3" IN 2013.



TABLE 39B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	4.7	4.7	4.7
DECLARATION	5.0	4.3	4.7
PENN A-1	5.0	4.3	4.7
PIN-UP (HTM)	5.0	4.3	4.7
LUMINARY (A08-TDN2)	4.7	4.0	4.3
PURE DISTINCTION (PST-OJO)	4.0	4.7	4.3
V8	4.3	4.3	4.3
AUTHORITY	4.0	4.0	4.0
FOCUS (SRP-1GMC)	4.0	4.0	4.0
AFM	3.7	4.0	3.8
PROCLAMATION (LTP-FEC)	3.3	4.0	3.7
T-1	3.3	4.0	3.7
SRP-1BLTR3	3.7	3.7	3.7
ALPHA	2.7	4.0	3.3
L-93	3.0	3.7	3.3
PENN A-2	2.3	4.0	3.2
PENNCROSS	2.3	3.7	3.0
LSD VALUE	1.6	0.8	1.2
C.V. (%)	26.4	11.8	19.1

TABLE 39C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
SR 7200	4.0	4.7	4.3
VILLA	3.3	5.0	4.2
LSD VALUE	1.3	0.7	1.0
C.V. (%)	22.3	8.4	15.4

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.

3/ FALL COLOR (DECEMBER) RATED AT "VA1" IN 2009 AND AT "WA3" IN 2013.

TABLE 40A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	PA1
PURE DISTINCTION (PST-OJ0)	8.7
PROCLAMATION (LTP-FEC)	8.3
BARRACUDA (MVS-AP-101)	8.0
DECLARATION	8.0
FOCUS (SRP-1GMC)	8.0
LUMINARY (A08-TDN2)	8.0
PIN-UP (HTM)	8.0
V8	8.0
SRP-1BLTR3	7.7
AFM	7.3
AUTHORITY	7.3
ALPHA	6.7
PENN A-2	6.7
T-1	6.7
PENN A-1	5.7
L-93	5.3
VILLA	5.3
PENNCROSS	4.3
SR 7200	2.7
LSD VALUE	1.3
C.V. (%)	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.

3/ POA ANNUA RATED IN 2011 ONLY.

TABLE 40B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	PA1
PURE DISTINCTION (PST-OJO)	8.7
PROCLAMATION (LTP-FEC)	8.3
BARRACUDA (MVS-AP-101)	8.0
DECLARATION	8.0
FOCUS (SRP-1GMC)	8.0
LUMINARY (A08-TDN2)	8.0
PIN-UP (HTM)	8.0
V8	8.0
SRP-1BLTR3	7.7
AFM	7.3
AUTHORITY	7.3
ALPHA	6.7
PENN A-2	6.7
T-1	6.7
PENN A-1	5.7
L-93	5.3
PENNCROSS	4.3
LSD VALUE	1.3
C.V. (%)	11.0

TABLE 40C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	PA1
VILLA	5.3
SR 7200	2.7
LSD VALUE	1.5
C.V. (%)	22.8

- 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.
- 3/ POA ANNUA RATED IN 2011 ONLY.

TABLE 41A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
PENNCROSS	76.7	70.0	43.3	50.0	60.0
PROCLAMATION (LTP-FEC)	61.7	53.3	53.3	58.3	56.7
FOCUS (SRP-1GMC)	65.0	70.0	46.7	31.7	53.3
DECLARATION	66.7	53.3	53.3	38.3	52.9
SR 7200	53.3	78.3	50.0	26.7	52.1
LUMINARY (A08-TDN2)	63.3	63.3	50.0	26.7	50.8
PENN A-1	71.7	46.7	46.7	36.7	50.4
ALPHA	61.7	56.7	43.3	32.3	48.5
T-1	66.7	63.3	46.7	17.3	48.5
SRP-1BLTR3	56.7	60.0	46.7	27.3	47.7
L-93	63.3	50.0	43.3	26.7	45.8
VILLA	53.3	63.3	46.7	20.0	45.8
AUTHORITY	56.7	60.0	40.0	23.3	45.0
BARRACUDA (MVS-AP-101)	51.7	50.0	46.7	27.7	44.0
PENN A-2	58.3	40.0	36.7	38.3	43.3
PURE DISTINCTION (PST-OJO)	56.7	60.0	30.0	19.3	41.5
V8	51.7	46.7	33.3	28.3	40.0
PIN-UP (HTM)	45.0	40.0	43.3	25.0	38.3
AFM	36.7	36.7	36.7	30.0	35.0
LSD VALUE	10.7	34.4	13.3	28.1	11.9
C.V. (%)	11.3	38.3	18.8	56.8	31.2

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.

GROWN ON A GREEN 2/  
 2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
PENNCROSS	76.7	70.0	43.3	50.0	60.0
PROCLAMATION (LTP-FEC)	61.7	53.3	53.3	58.3	56.7
FOCUS (SRP-1GMC)	65.0	70.0	46.7	31.7	53.3
DECLARATION	66.7	53.3	53.3	38.3	52.9
LUMINARY (A08-TDN2)	63.3	63.3	50.0	26.7	50.8
PENN A-1	71.7	46.7	46.7	36.7	50.4
ALPHA	61.7	56.7	43.3	32.3	48.5
T-1	66.7	63.3	46.7	17.3	48.5
SRP-1BLTR3	56.7	60.0	46.7	27.3	47.7
L-93	63.3	50.0	43.3	26.7	45.8
AUTHORITY	56.7	60.0	40.0	23.3	45.0
BARRACUDA (MVS-AP-101)	51.7	50.0	46.7	27.7	44.0
PENN A-2	58.3	40.0	36.7	38.3	43.3
PURE DISTINCTION (PST-OJO)	56.7	60.0	30.0	19.3	41.5
V8	51.7	46.7	33.3	28.3	40.0
PIN-UP (HTM)	45.0	40.0	43.3	25.0	38.3
AFM	36.7	36.7	36.7	30.0	35.0
LSD VALUE	10.9	33.9	12.7	29.2	11.9
C.V. (%)	11.4	39.0	18.2	57.4	31.5

TABLE 41C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
SR 7200	53.3	78.3	50.0	26.7	52.1
VILLA	53.3	63.3	46.7	20.0	45.8
LSD VALUE	9.3	38.4	17.4	15.4	11.5
C.V. (%)	10.8	33.7	22.3	41.0	29.1

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 42A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	NJ1
L-93	7.2
ALPHA	7.0
PENNCROSS	6.5
T-1	6.5
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	5.8
V8	5.8
PIN-UP (HTM)	5.7
AFM	5.5
SR 7200	5.3
BARRACUDA (MVS-AP-101)	5.2
PENN A-2	5.0
PENN A-1	4.5
PROCLAMATION (LTP-FEC)	4.5
AUTHORITY	4.3
DECLARATION	4.0
SRP-1BLTR3	3.7
PURE DISTINCTION (PST-OJO)	3.7
VILLA	3.5
LSD VALUE	2.5
C.V. (%)	30.1

- 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/ COPPER SPOT RATED IN 2012-13.

TABLE 42B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	NJ1
L-93	7.2
ALPHA	7.0
PENNCROSS	6.5
T-1	6.5
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	5.8
V8	5.8
PIN-UP (HTM)	5.7
AFM	5.5
BARRACUDA (MVS-AP-101)	5.2
PENN A-2	5.0
PENN A-1	4.5
PROCLAMATION (LTP-FEC)	4.5
AUTHORITY	4.3
DECLARATION	4.0
SRP-1BLTR3	3.7
PURE DISTINCTION (PST-OJO)	3.7
LSD VALUE	2.5
C.V. (%)	29.2

TABLE 42C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	NJ1
SR 7200	5.3
VILLA	3.5
LSD VALUE	2.8
C.V. (%)	39.7

- 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.
- 3/ COPPER SPOT RATED IN 2012-13.

TABLE 43A. TURF UNIFORMITY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
DECLARATION	7.7
FOCUS (SRP-1GMC)	7.1
PIN-UP (HTM)	7.0
AUTHORITY	6.9
PROCLAMATION (LTP-FEC)	6.6
AFM	6.5
PURE DISTINCTION (PST-OJO)	6.3
V8	6.2
PENN A-1	6.2
L-93	5.9
SRP-1BLTR3	5.9
PENN A-2	5.8
VILLA	5.8
BARRACUDA (MVS-AP-101)	5.4
SR 7200	5.3
LUMINARY (A08-TDN2)	5.3
ALPHA	5.0
T-1	4.3
PENNCROSS	3.2
LSD VALUE	2.4
C.V. (%)	26.8

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.

3/ TURF UNIFORMITY RATED IN 2011-13.



TABLE 43B. TURF UNIFORMITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
DECLARATION	7.7
FOCUS (SRP-1GMC)	7.1
PIN-UP (HTM)	7.0
AUTHORITY	6.9
PROCLAMATION (LTP-FEC)	6.6
AFM	6.5
PURE DISTINCTION (PST-OJO)	6.3
V8	6.2
PENN A-1	6.2
L-93	5.9
SRP-1BLTR3	5.9
PENN A-2	5.8
BARRACUDA (MVS-AP-101)	5.4
LUMINARY (A08-TDN2)	5.3
ALPHA	5.0
T-1	4.3
PENNCROSS	3.2
LSD VALUE	2.4
C.V. (%)	26.7

TABLE 43C. TURF UNIFORMITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
VILLA	5.8
SR 7200	5.3
LSD VALUE	2.2
C.V. (%)	25.9

- 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.
- 3/ TURF UNIFORMITY RATED IN 2011-13.

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
BARRACUDA (MVS-AP-101)	9.0
DECLARATION	9.0
SR 7200	9.0
VILLA	9.0
LUMINARY (A08-TDN2)	8.7
L-93	8.7
PENN A-2	8.7
PENNCROSS	8.7
PIN-UP (HTM)	8.7
T-1	8.7
AFM	8.3
SRP-1BLTR3	8.3
PROCLAMATION (LTP-FEC)	8.0
V8	8.0
ALPHA	7.7
PENN A-1	7.7
PURE DISTINCTION (PST-OJO)	7.3
FOCUS (SRP-1GMC)	7.3
AUTHORITY	7.0
LSD VALUE	1.0
C.V. (%)	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.
- 3/ SNOW MOLD RATED IN 2010 ONLY.

TABLE 44B. SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
BARRACUDA (MVS-AP-101)	9.0
DECLARATION	9.0
LUMINARY (A08-TDN2)	8.7
L-93	8.7
PENN A-2	8.7
PENNCROSS	8.7
PIN-UP (HTM)	8.7
T-1	8.7
AFM	8.3
SRP-1BLTR3	8.3
PROCLAMATION (LTP-FEC)	8.0
V8	8.0
ALPHA	7.7
PENN A-1	7.7
PURE DISTINCTION (PST-OJO)	7.3
FOCUS (SRP-1GMC)	7.3
AUTHORITY	7.0
LSD VALUE	1.1
C.V. (%)	8.3

TABLE 44C. SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
SR 7200	9
VILLA	9
LSD VALUE	0
C.V. (%)	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.

3/ SNOW MOLD RATED IN 2010 ONLY.

TABLE 45A. PERCENT SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN  
 2009-13 DATA 2/ 3/

NAME	UT1
PURE DISTINCTION (PST-0JO)	99.0
AUTHORITY	97.7
FOCUS (SRP-1GMC)	96.3
PENN A-1	96.3
SRP-1BLTR3	96.3
PENN A-2	96.0
V8	95.0
AFM	94.7
L-93	94.7
PIN-UP (HTM)	93.3
ALPHA	93.0
LUMINARY (A08-TDN2)	91.7
PENNCROSS	91.7
T-1	91.7
PROCLAMATION (LTP-FEC)	90.0
BARRACUDA (MVS-AP-101)	88.3
DECLARATION	88.3
VILLA	75.0
SR 7200	73.3
LSD VALUE	7.1
C.V. (%)	4.8

- 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.
- 3/ PERCENT SNOW MOLD RATED IN 2011 ONLY.

TABLE 45B. PERCENT SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA 2/ 3/

NAME	UT1
PURE DISTINCTION (PST-0JO)	99.0
AUTHORITY	97.7
FOCUS (SRP-1GMC)	96.3
PENN A-1	96.3
SRP-1BLTR3	96.3
PENN A-2	96.0
V8	95.0
AFM	94.7
L-93	94.7
PIN-UP (HTM)	93.3
ALPHA	93.0
LUMINARY (A08-TDN2)	91.7
PENNCROSS	91.7
T-1	91.7
PROCLAMATION (LTP-FEC)	90.0
BARRACUDA (MVS-AP-101)	88.3
DECLARATION	88.3
LSD VALUE	6.4
C.V. (%)	4.2

TABLE 45C. PERCENT SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA 2/ 3/

NAME	UT1
VILLA	75.0
SR 7200	73.3
LSD VALUE	11.8
C.V. (%)	9.9

- 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.
- 3/ PERCENT SNOW MOLD RATED IN 2011 ONLY.

TABLE 46A. RECOVERY RATINGS FROM FALL AERIFICATION OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJO)	8.7
PIN-UP (HTM)	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
LUMINARY (A08-TDN2)	7.0
AFM	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENN A-1	6.7
PENNCROSS	6.7
ALPHA	6.3
L-93	6.3
T-1	6.3
DECLARATION	6.0
PENN A-2	6.0
SRP-1BLTR3	5.7
VILLA	5.7
AUTHORITY	5.3
SR 7200	4.3
LSD VALUE	1.4
C.V. (%)	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.
- 3/ RECOVERY RATINGS FROM FALL AERIFICATION RATED IN 2009 ONLY.

TABLE 46B. RECOVERY RATINGS FROM FALL AERIFICATION OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP  
 GROWN ON A GREEN  
 2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJO)	8.7
PIN-UP (HTM)	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
LUMINARY (A08-TDN2)	7.0
AFM	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENN A-1	6.7
PENNCROSS	6.7
ALPHA	6.3
L-93	6.3
T-1	6.3
DECLARATION	6.0
PENN A-2	6.0
SRP-1BLTR3	5.7
AUTHORITY	5.3
LSD VALUE	1.4
C.V. (%)	13.3

TABLE 46C. RECOVERY RATINGS FROM FALL AERIFICATION OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN  
 2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
VILLA	5.7
SR 7200	4.3
LSD VALUE	0.9
C.V. (%)	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.
- 3/ RECOVERY RATINGS FROM FALL AERIFICATION RATED IN 2009 ONLY.

TABLE 47A. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
PURE DISTINCTION (PST-OJ0)	251.0
SRP-1BLTR3	76.0
T-1	35.3
PIN-UP (HTM)	31.5
AFM	31.3
V8	29.2
AUTHORITY	24.3
PENN A-1	21.7
ALPHA	19.3
L-93	17.2
PENN A-2	16.8
LUMINARY (A08-TDN2)	15.3
PENNCROSS	10.8
PROCLAMATION (LTP-FEC)	9.8
DECLARATION	8.7
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	6.8
SR 7200	0.0
VILLA	0.0
LSD VALUE	43.9
C.V. (%)	

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/ NUMBERS OF DOLLAR SPOT INFECTION CENTERS RATED IN 2009-10.



TABLE 47B. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
PURE DISTINCTION (PST-OJO)	251.0
SRP-1BLTR3	76.0
T-1	35.3
PIN-UP (HTM)	31.5
AFM	31.3
V8	29.2
AUTHORITY	24.3
PENN A-1	21.7
ALPHA	19.3
L-93	17.2
PENN A-2	16.8
LUMINARY (A08-TDN2)	15.3
PENNCROSS	10.8
PROCLAMATION (LTP-FEC)	9.8
DECLARATION	8.7
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	6.8
LSD VALUE	46.4
C.V. (%)	63.8

TABLE 47C. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
SR 7200	0
VILLA	0
LSD VALUE	0
C.V. (%)	.

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/ NUMBERS OF DOLLAR SPOT INFECTION CENTERS RATED IN 2009-10.

TABLE 48A. AERIFICATION RECOVERY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-13 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	2010	APR_2011	NOV_2011	2013	MEAN
PENN A-2	7.3	7.7	8.0	8.0	7.7
PURE DISTINCTION (PST-OJO)	7.3	7.7	8.7	7.3	7.6
DECLARATION	7.0	7.0	8.0	7.7	7.4
FOCUS (SRP-1GMC)	7.3	6.0	9.0	7.0	7.3
PENNCROSS	7.7	6.3	7.7	7.3	7.3
BARRACUDA (MVS-AP-101)	7.3	6.0	7.7	7.0	7.1
SRP-1BLTR3	6.7	7.0	7.7	7.3	7.1
LUMINARY (A08-TDN2)	6.0	6.3	9.0	7.3	7.0
ALPHA	6.7	5.7	7.0	7.7	6.9
PIN-UP (HTM)	7.0	6.7	6.3	7.3	6.9
AUTHORITY	6.3	7.0	7.3	7.0	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	7.7	7.7	6.8
AFM	6.7	5.7	7.3	7.0	6.7
PENN A-1	6.3	6.0	7.3	7.0	6.7
SR 7200	4.0	6.3	7.0	7.3	6.6
T-1	5.0	6.3	8.0	7.7	6.6
L-93	6.3	6.0	8.0	6.0	6.4
V8	6.3	6.0	6.7	6.0	6.2
VILLA	5.5	4.7	6.0	6.7	5.9
LSD VALUE	2.9	2.9	2.8	4.3	1.6
C.V. (%)	17.3	17.6	15.0	17.0	16.3

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 48B. AERIFICATION RECOVERY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-13 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	2010	APR_2011	NOV_2011	2013	MEAN
PENN A-2	7.3	7.7	8.0	8.0	7.7
PURE DISTINCTION (PST-OJO)	7.3	7.7	8.7	7.3	7.6
DECLARATION	7.0	7.0	8.0	7.7	7.4
FOCUS (SRP-1GMC)	7.3	6.0	9.0	7.0	7.3
PENNCROSS	7.7	6.3	7.7	7.3	7.3
BARRACUDA (MVS-AP-101)	7.3	6.0	7.7	7.0	7.1
SRP-1BLTR3	6.7	7.0	7.7	7.3	7.1
LUMINARY (A08-TDN2)	6.0	6.3	9.0	7.3	7.0
ALPHA	6.7	5.7	7.0	7.7	6.9
PIN-UP (HTM)	7.0	6.7	6.3	7.3	6.9
AUTHORITY	6.3	7.0	7.3	7.0	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	7.7	7.7	6.8
AFM	6.7	5.7	7.3	7.0	6.7
PENN A-1	6.3	6.0	7.3	7.0	6.7
T-1	5.0	6.3	8.0	7.7	6.6
L-93	6.3	6.0	8.0	6.0	6.4
V8	6.3	6.0	6.7	6.0	6.2
LSD VALUE	3.2	3.2	2.8	3.9	1.7
C.V. (%)	17.1	17.5	14.2	16.6	15.5

TABLE 48C. AERIFICATION RECOVERY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-13 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	2010	APR_2011	NOV_2011	2013	MEAN
SR 7200	4.0	6.3	7.0	7.3	6.6
VILLA	5.5	4.7	6.0	6.7	5.9
LSD VALUE	3.2	3.2	2.8	3.9	1.7
C.V. (%)	.	19.6	10.9	21.0	23.4

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.

Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP

TABLE 49A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0	9.0	9.0
BARRACUDA (MVS-AP-101)	9.0	9.0	9.0	8.7	8.9
AFM	8.7	8.7	9.0	8.7	8.8
FOCUS (SRP-1GMC)	8.7	9.0	9.0	8.7	8.8
V8	9.0	9.0	8.7	8.7	8.8
PIN-UP (HTM)	9.0	8.7	9.0	8.0	8.7
PROCLAMATION (LTP-FEC)	9.0	8.7	9.0	8.0	8.7
SR 7200	8.7	8.7	9.0	8.3	8.7
L-93	9.0	8.7	9.0	7.7	8.6
VILLA	9.0	8.7	8.7	8.0	8.6
PENN A-1	9.0	8.3	8.3	8.3	8.5
ALPHA	8.7	7.3	8.7	7.3	8.0
AUTHORITY	8.7	7.7	8.0	7.7	8.0
PENNCROSS	9.0	8.3	7.7	6.7	7.9
T-1	8.7	7.7	7.7	7.7	7.9
PENN A-2	9.0	6.7	8.3	6.7	7.7
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.7	5.0	6.1
SRP-1BLTR3	6.0	5.0	7.0	6.0	6.0
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	5.3	9.8	6.1	11.1	7.0

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 49B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0	9.0	9.0
BARRACUDA (MVS-AP-101)	9.0	9.0	9.0	8.7	8.9
AFM	8.7	8.7	9.0	8.7	8.8
FOCUS (SRP-1GMC)	8.7	9.0	9.0	8.7	8.8
V8	9.0	9.0	8.7	8.7	8.8
PIN-UP (HTM)	9.0	8.7	9.0	8.0	8.7
PROCLAMATION (LTP-FEC)	9.0	8.7	9.0	8.0	8.7
L-93	9.0	8.7	9.0	7.7	8.6
PENN A-1	9.0	8.3	8.3	8.3	8.5
ALPHA	8.7	7.3	8.7	7.3	8.0
AUTHORITY	8.7	7.7	8.0	7.7	8.0
PENNCROSS	9.0	8.3	7.7	6.7	7.9
T-1	8.7	7.7	7.7	7.7	7.9
PENN A-2	9.0	6.7	8.3	6.7	7.7
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.7	5.0	6.1
SRP-1BLTR3	6.0	5.0	7.0	6.0	6.0
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	5.4	10.1	6.1	11.5	7.2

TABLE 49C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
SR 7200	8.7	8.7	9.0	8.3	8.7
VILLA	9.0	8.7	8.7	8.0	8.6
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	4.6	8.2	4.6	10.0	5.7

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 50A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT LEXINGTON, KY 1/  
2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUL	SEP	MEAN
DECLARATION	9.0	3.0	6.0
PENN A-1	7.7	4.0	5.8
PROCLAMATION (LTP-FEC)	8.0	3.7	5.8
PIN-UP (HTM)	7.0	4.3	5.7
AFM	7.3	3.7	5.5
FOCUS (SRP-1GMC)	8.0	3.0	5.5
L-93	7.0	4.0	5.5
V8	7.3	3.7	5.5
BARRACUDA (MVS-AP-101)	7.7	3.0	5.3
LUMINARY (A08-TDN2)	8.0	2.7	5.3
SR 7200	7.0	3.7	5.3
VILLA	6.3	4.0	5.2
AUTHORITY	6.7	3.3	5.0
PENNCROSS	6.0	3.7	4.8
T-1	4.7	5.0	4.8
PURE DISTINCTION (PST-OJO)	5.3	4.0	4.7
PENN A-2	4.3	4.7	4.5
SRP-1BLTR3	3.0	6.0	4.5
ALPHA	3.0	5.3	4.2
LSD VALUE	1.5	1.0	0.8
C.V. (%)	15.1	16.2	8.6

- 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.
- 3/ DOLLAR SPOT RATED IN 2013 ONLY.

TABLE 50B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP  
 GROWN ON A GREEN AT LEXINGTON, KY 1/  
 2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUL	SEP	MEAN
DECLARATION	9.0	3.0	6.0
PENN A-1	7.7	4.0	5.8
PROCLAMATION (LTP-FEC)	8.0	3.7	5.8
PIN-UP (HTM)	7.0	4.3	5.7
AFM	7.3	3.7	5.5
FOCUS (SRP-1GMC)	8.0	3.0	5.5
L-93	7.0	4.0	5.5
V8	7.3	3.7	5.5
BARRACUDA (MVS-AP-101)	7.7	3.0	5.3
LUMINARY (A08-TDN2)	8.0	2.7	5.3
AUTHORITY	6.7	3.3	5.0
PENNCROSS	6.0	3.7	4.8
T-1	4.7	5.0	4.8
PURE DISTINCTION (PST-OJO)	5.3	4.0	4.7
PENN A-2	4.3	4.7	4.5
SRP-1BLTR3	3.0	6.0	4.5
ALPHA	3.0	5.3	4.2
LSD VALUE	1.4	1.1	0.7
C.V. (%)	13.6	16.9	7.7

TABLE 50C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT LEXINGTON, KY 1/  
 2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUL	SEP	MEAN
SR 7200	7.0	3.7	5.3
VILLA	6.3	4.0	5.2
LSD VALUE	1.4	1.1	0.7
C.V. (%)	26.7	10.6	14.0

- 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.
- 3/ DOLLAR SPOT RATED IN 2013 ONLY.

TABLE 51A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/  
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	APRIL	SEPTEMBER	MEAN
LUMINARY (A08-TDN2)	8.0	8.7	8.3
PURE DISTINCTION (PST-OJO)	8.0	6.3	7.2
VILLA	7.7	5.7	6.7
V8	7.3	5.7	6.5
BARRACUDA (MVS-AP-101)	5.7	6.0	5.8
PROCLAMATION (LTP-FEC)	6.0	5.7	5.8
FOCUS (SRP-1GMC)	6.3	5.0	5.7
PIN-UP (HTM)	5.3	5.7	5.5
AUTHORITY	5.0	5.3	5.2
DECLARATION	5.0	4.3	4.7
AFM	5.0	4.0	4.5
SRP-1BLTR3	3.3	5.7	4.5
SR 7200	5.7	2.7	4.2
ALPHA	4.0	3.7	3.8
T-1	4.7	3.0	3.8
PENN A-1	3.0	4.3	3.7
PENN A-2	3.0	3.7	3.3
L-93	2.7	2.7	2.7
PENNCROSS	2.3	1.7	2.0
LSD VALUE	1.2	2.2	1.2
C.V. (%)	15.6	27.3	15.6

- 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.
- 3/ ANTHRACNOSE RATED IN 2010 ONLY.



TABLE 51B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/  
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	APRIL	SEPTEMBER	MEAN
LUMINARY (A08-TDN2)	8.0	8.7	8.3
PURE DISTINCTION (PST-OJO)	8.0	6.3	7.2
V8	7.3	5.7	6.5
BARRACUDA (MVS-AP-101)	5.7	6.0	5.8
PROCLAMATION (LTP-FEC)	6.0	5.7	5.8
FOCUS (SRP-1GMC)	6.3	5.0	5.7
PIN-UP (HTM)	5.3	5.7	5.5
AUTHORITY	5.0	5.3	5.2
DECLARATION	5.0	4.3	4.7
AFM	5.0	4.0	4.5
SRP-1BLTR3	3.3	5.7	4.5
ALPHA	4.0	3.7	3.8
T-1	4.7	3.0	3.8
PENN A-1	3.0	4.3	3.7
PENN A-2	3.0	3.7	3.3
L-93	2.7	2.7	2.7
PENNCROSS	2.3	1.7	2.0
LSD VALUE	1.2	2.1	1.1
C.V. (%)	15.2	26.6	15.0

TABLE 51C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/  
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	APRIL	SEPTEMBER	MEAN
VILLA	7.7	5.7	6.7
SR 7200	5.7	2.7	4.2
LSD VALUE	1.2	2.1	1.1
C.V. (%)	0.0	44.9	17.3

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.

3/ ANTHRACNOSE RATED IN 2010 ONLY.

Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP

TABLE 52A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT KINGSTON, RI 1/  
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
DECLARATION	9.0	6.7	8.0	8.3	7.7	7.7	9.0	8.7	7.7	7.0	8.0
VILLA	8.3	5.0	8.7	8.3	8.7	5.0	9.0	7.0	7.3	6.7	7.5
FOCUS (SRP-1GMC)	8.3	4.3	6.7	6.3	8.3	4.3	7.3	7.7	5.0	5.0	6.3
SR 7200	5.0	6.0	9.0	8.3	8.0	3.7	9.0	5.0	4.0	4.0	6.2
BARRACUDA (MVS-AP-101)	6.3	4.0	7.0	7.0	7.5	5.5	3.5	7.5	6.0	5.5	6.1
V8	7.0	5.3	7.0	8.0	7.7	3.7	7.0	7.3	5.0	4.0	6.1
PROCLAMATION (LTP-FEC)	7.7	4.7	5.0	5.0	4.7	5.3	6.0	7.7	5.0	3.7	5.5
LUMINARY (A08-TDN2)	6.3	4.0	4.0	2.0	6.0	5.0	7.0	7.3	5.0	4.7	5.4
AFM	6.3	5.0	3.7	4.3	5.7	5.0	6.7	7.3	4.7	3.0	5.3
AUTHORITY	7.3	3.7	5.0	5.7	5.7	5.0	6.3	7.0	3.7	2.3	5.2
T-1	4.0	3.5	3.7	4.7	3.0	6.3	6.7	6.3	4.0	3.3	4.6
L-93	5.0	4.0	5.0	6.7	4.7	2.7	5.3	6.3	3.0	3.0	4.5
PENN A-1	6.0	2.3	5.3	5.3	6.0	2.0	5.3	6.0	4.0	2.7	4.4
PENNCROSS	9.0	5.0	5.0	7.3	1.0	1.0	2.3	5.3	3.7	2.3	4.4
PIN-UP (HTM)	4.3	2.7	3.0	5.0	7.7	4.0	5.3	6.7	4.0	2.3	4.4
PURE DISTINCTION (PST-OJO)	6.3	1.3	1.7	4.7	7.3	2.0	5.0	5.3	3.3	1.0	3.8
ALPHA	2.7	2.5	3.7	4.0	3.7	3.7	5.3	3.7	3.0	3.7	3.6
PENN A-2	4.0	1.7	3.0	5.0	5.3	2.7	4.0	5.3	2.7	3.7	3.6
SRP-1BLTR3	2.7	1.0	1.7	1.3	5.0	2.7	3.3	1.3	1.0	1.0	2.2
LSD VALUE	1.2	1.7	2.8	2.0	2.9	4.3	1.7	2.0	1.7	2.0	0.9
C.V. (%)	12.8	24.5	32.8	21.4	27.8	49.0	18.1	19.1	24.3	32.8	25.2

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 52B. Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP  
DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT KINGSTON, RI 1/  
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
DECLARATION	9.0	6.7	8.0	8.3	7.7	7.7	9.0	8.7	7.7	7.0	8.0
FOCUS (SRP-1GMC)	8.3	4.3	6.7	6.3	8.3	4.3	7.3	7.7	5.0	5.0	6.3
BARRACUDA (MVS-AP-101)	6.3	4.0	7.0	7.0	7.5	5.5	3.5	7.5	6.0	5.5	6.1
V8	7.0	5.3	7.0	8.0	7.7	3.7	7.0	7.3	5.0	4.0	6.1
PROCLAMATION (LTP-FEC)	7.7	4.7	5.0	5.0	4.7	5.3	6.0	7.7	5.0	3.7	5.5
LUMINARY (A08-TDN2)	6.3	4.0	4.0	2.0	6.0	5.0	7.0	7.3	5.0	4.7	5.4
AFM	6.3	5.0	3.7	4.3	5.7	5.0	6.7	7.3	4.7	3.0	5.3
AUTHORITY	7.3	3.7	5.0	5.7	5.7	5.0	6.3	7.0	3.7	2.3	5.2
T-1	4.0	3.5	3.7	4.7	3.0	6.3	6.7	6.3	4.0	3.3	4.6
L-93	5.0	4.0	5.0	6.7	4.7	2.7	5.3	6.3	3.0	3.0	4.5
PENN A-1	6.0	2.3	5.3	5.3	6.0	2.0	5.3	6.0	4.0	2.7	4.4
PENNCROSS	9.0	5.0	5.0	7.3	1.0	1.0	2.3	5.3	3.7	2.3	4.4
PIN-UP (HTM)	4.3	2.7	3.0	5.0	7.7	4.0	5.3	6.7	4.0	2.3	4.4
PURE DISTINCTION (PST-OJO)	6.3	1.3	1.7	4.7	7.3	2.0	5.0	5.3	3.3	1.0	3.8
ALPHA	2.7	2.5	3.7	4.0	3.7	3.7	5.3	3.7	3.0	3.7	3.6
PENN A-2	4.0	1.7	3.0	5.0	5.3	2.7	4.0	5.3	2.7	3.7	3.6
SRP-1BLTR3	2.7	1.0	1.7	1.3	5.0	2.7	3.3	1.3	1.0	1.0	2.2
LSD VALUE	1.1	1.7	3.2	2.1	3.0	4.2	1.9	1.9	1.7	2.0	0.9
C.V. (%)	12.6	25.4	38.1	22.8	29.6	50.0	20.2	18.5	24.5	34.2	25.8

TABLE 52C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT KINGSTON, RI 1/  
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
VILLA	8.3	5.0	8.7	8.3	8.7	5.0	9.0	7.0	7.3	6.7	7.5
SR 7200	5.0	6.0	9.0	8.3	8.0	3.7	9.0	5.0	4.0	4.0	6.2
LSD VALUE	1.1	1.7	3.2	2.1	3.0	4.2	1.9	1.9	1.7	2.0	0.9
C.V. (%)	16.2	22.3	4.6	8.5	4.9	0.0	0.0	23.6	28.8	33.4	21.8

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 53A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT KINGSTON, RI 2/  
2009-13 DATA

NAME	SUMMER	FALL	MEAN
BARRACUDA (MVS-AP-101)	99.0	99.0	99.0
FOCUS (SRP-1GMC)	99.0	99.0	99.0
LUMINARY (A08-TDN2)	96.0	99.0	97.5
DECLARATION	96.0	99.0	97.5
V8	91.3	99.0	95.2
AFM	86.0	99.0	92.5
PROCLAMATION (LTP-FEC)	86.0	99.0	92.5
T-1	85.0	99.0	92.0
ALPHA	84.7	99.0	91.8
SRP-1BLTR3	80.0	97.7	88.8
PIN-UP (HTM)	81.3	96.0	88.7
PURE DISTINCTION (PST-OJO)	80.0	92.7	86.3
AUTHORITY	74.7	94.7	84.7
PENNCROSS	71.7	95.7	83.7
PENN A-1	78.0	82.7	80.3
PENN A-2	56.3	98.3	77.3
VILLA	61.7	89.7	75.7
L-93	46.7	91.3	69.0
SR 7200	38.3	94.3	66.3
LSD VALUE	48.1	22.0	31.0
C.V. (%)	27.5	7.8	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 53B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT KINGSTON, RI 2/  
2009-13 DATA

NAME	SUMMER	FALL	MEAN
BARRACUDA (MVS-AP-101)	99.0	99.0	99.0
FOCUS (SRP-1GMC)	99.0	99.0	99.0
LUMINARY (A08-TDN2)	96.0	99.0	97.5
DECLARATION	96.0	99.0	97.5
V8	91.3	99.0	95.2
AFM	86.0	99.0	92.5
PROCLAMATION (LTP-FEC)	86.0	99.0	92.5
T-1	85.0	99.0	92.0
ALPHA	84.7	99.0	91.8
SRP-1BLTR3	80.0	97.7	88.8
PIN-UP (HTM)	81.3	96.0	88.7
PURE DISTINCTION (PST-OJO)	80.0	92.7	86.3
AUTHORITY	74.7	94.7	84.7
PENNCROSS	71.7	95.7	83.7
PENN A-1	78.0	82.7	80.3
PENN A-2	56.3	98.3	77.3
L-93	46.7	91.3	69.0
LSD VALUE	46.0	21.0	29.8
C.V. (%)	23.6	7.7	13.4

TABLE 53C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT KINGSTON, RI 2/  
2009-13 DATA

NAME	SUMMER	FALL	MEAN
VILLA	61.7	89.7	75.7
SR 7200	38.3	94.3	66.3
LSD VALUE	46.0	21.0	29.8
C.V. (%)	70.8	9.7	29.8

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 54A. BACTERIAL WILT DAMAGE RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
PENN A-2	6.7
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
PIN-UP (HTM)	6.0
DECLARATION	5.7
AUTHORITY	5.3
L-93	5.3
PENN A-1	5.0
FOCUS (SRP-1GMC)	5.0
AFM	4.7
SR 7200	4.7
PROCLAMATION (LTP-FEC)	4.3
VILLA	4.3
V8	3.7
PENNCROSS	3.3
T-1	3.3
ALPHA	2.7
BARRACUDA (MVS-AP-101)	2.7
LUMINARY (A08-TDN2)	2.3
LSD VALUE	3.1
C.V. (%)	42.3

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.

3/ BACTERIAL WILT DAMAGE RATED IN 2010 ONLY.

TABLE 54B. BACTERIAL WILT DAMAGE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
PENN A-2	6.7
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
PIN-UP (HTM)	6.0
DECLARATION	5.7
AUTHORITY	5.3
L-93	5.3
PENN A-1	5.0
FOCUS (SRP-1GMC)	5.0
AFM	4.7
PROCLAMATION (LTP-FEC)	4.3
V8	3.7
PENNCROSS	3.3
T-1	3.3
ALPHA	2.7
BARRACUDA (MVS-AP-101)	2.7
LUMINARY (A08-TDN2)	2.3
LSD VALUE	3.1
C.V. (%)	41.5

TABLE 54C. BACTERIAL WILT DAMAGE RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN  
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
SR 7200	4.7
VILLA	4.3
LSD VALUE	3.5
C.V. (%)	48.9

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.

3/ BACTERIAL WILT DAMAGE RATED IN 2010 ONLY.

Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP

TABLE 55A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
DECLARATION	9.0	8.3	8.0	8.0	8.7	9.0	8.7	8.3	8.3	8.6
SR 7200	9.0	9.0	8.0	7.7	9.0	8.0	9.0	8.3	8.7	8.6
VILLA	8.7	8.0	8.0	8.0	9.0	8.7	9.0	8.7	8.7	8.6
PROCLAMATION (LTP-FEC)	8.0	7.7	7.3	7.3	8.0	8.0	9.0	8.3	8.3	8.2
FOCUS (SRP-1GMC)	8.0	8.0	8.0	7.7	7.7	7.7	7.7	8.7	7.7	7.9
AFM	8.0	7.7	7.3	7.3	7.3	8.0	8.0	7.7	7.3	7.7
BARRACUDA (MVS-AP-101)	8.0	7.7	7.0	7.0	7.3	7.7	8.0	7.7	8.0	7.7
L-93	8.0	8.0	7.3	6.7	6.7	7.0	8.0	8.0	8.0	7.6
V8	8.0	7.3	6.3	6.0	7.0	7.7	8.0	8.3	8.3	7.6
PENN A-1	8.0	7.0	6.3	6.0	7.0	7.0	7.7	8.0	8.3	7.5
PENNCROSS	8.0	7.0	7.3	6.3	7.3	7.0	7.7	7.7	8.3	7.5
PIN-UP (HTM)	7.7	7.3	7.0	7.0	7.7	7.0	7.7	7.0	7.7	7.4
LUMINARY (A08-TDN2)	7.0	6.7	5.7	5.3	7.3	8.0	8.0	8.3	8.0	7.3
PENN A-2	7.7	6.7	5.3	5.7	7.0	7.0	7.7	7.3	7.0	7.1
ALPHA	7.0	6.3	6.0	6.3	6.7	6.7	7.7	7.3	7.0	6.9
AUTHORITY	7.0	6.3	5.7	5.0	6.7	6.7	7.0	7.3	8.0	6.8
SRP-1BLTR3	7.3	6.7	6.0	6.0	5.0	6.3	6.3	6.7	6.0	6.4
T-1	7.0	7.0	6.0	5.0	5.0	5.0	6.3	7.0	7.0	6.3
PURE DISTINCTION (PST-OJ0)	6.3	5.3	3.7	3.3	5.0	5.7	5.3	5.0	4.3	5.2
LSD VALUE	1.6	1.4	1.8	1.7	0.9	1.2	0.8	1.0	1.3	0.5
C.V. (%)	10.1	10.8	15.2	15.4	8.2	9.8	6.8	8.1	10.5	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 55B.

DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
DECLARATION	9.0	8.3	8.0	8.0	8.7	9.0	8.7	8.3	8.3	8.6
PROCLAMATION (LTP-FEC)	8.0	7.7	7.3	7.3	8.0	8.0	9.0	8.3	8.3	8.2
FOCUS (SRP-1GMC)	8.0	8.0	8.0	7.7	7.7	7.7	7.7	8.7	7.7	7.9
AFM	8.0	7.7	7.3	7.3	7.3	8.0	8.0	7.7	7.3	7.7
BARRACUDA (MVS-AP-101)	8.0	7.7	7.0	7.0	7.3	7.7	8.0	7.7	8.0	7.7
L-93	8.0	8.0	7.3	6.7	6.7	7.0	8.0	8.0	8.0	7.6
V8	8.0	7.3	6.3	6.0	7.0	7.7	8.0	8.3	8.3	7.6
PENN A-1	8.0	7.0	6.3	6.0	7.0	7.0	7.7	8.0	8.3	7.5
PENNCROSS	8.0	7.0	7.3	6.3	7.3	7.0	7.7	7.7	8.3	7.5
PIN-UP (HTM)	7.7	7.3	7.0	7.0	7.7	7.0	7.7	7.0	7.7	7.4
LUMINARY (A08-TDN2)	7.0	6.7	5.7	5.3	7.3	8.0	8.0	8.3	8.0	7.3
PENN A-2	7.7	6.7	5.3	5.7	7.0	7.0	7.7	7.3	7.0	7.1
ALPHA	7.0	6.3	6.0	6.3	6.7	6.7	7.7	7.3	7.0	6.9
AUTHORITY	7.0	6.3	5.7	5.0	6.7	6.7	7.0	7.3	8.0	6.8
SRP-1BLTR3	7.3	6.7	6.0	6.0	5.0	6.3	6.3	6.7	6.0	6.4
T-1	7.0	7.0	6.0	5.0	5.0	5.0	6.3	7.0	7.0	6.3
PURE DISTINCTION (PST-OJO)	6.3	5.3	3.7	3.3	5.0	5.7	5.3	5.0	4.3	5.2
LSD VALUE	1.9	1.4	1.7	1.8	1.0	1.2	0.9	1.0	1.4	0.5
C.V. (%)	10.8	10.3	15.0	16.6	9.0	10.2	7.2	8.1	10.8	11.1

TABLE 55C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
SR 7200	9.0	9.0	8.0	7.7	9	8.0	9.0	8.3	8.7	8.6
VILLA	8.7	8.0	8.0	8.0	9	8.7	9.0	8.7	8.7	8.6
LSD VALUE	1.9	1.4	1.7	1.8	1	1.2	0.9	1.0	1.4	0.5
C.V. (%)	4.6	14.4	15.3	5.2	0	4.9	0.0	4.8	8.2	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 56A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT PUYALLUP, WA 1/  
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
LUMINARY (A08-TDN2)	7.7	8.0	7.8
PIN-UP (HTM)	7.7	8.0	7.8
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8
VILLA	7.7	8.0	7.8
V8	7.7	7.7	7.7
FOCUS (SRP-1GMC)	7.3	7.7	7.5
AUTHORITY	7.0	7.7	7.3
BARRACUDA (MVS-AP-101)	7.0	7.7	7.3
DECLARATION	7.3	7.0	7.2
PENN A-1	7.0	7.3	7.2
PROCLAMATION (LTP-FEC)	6.7	7.7	7.2
SR 7200	6.7	7.7	7.2
SRP-1BLTR3	7.0	7.3	7.2
PENN A-2	7.3	6.7	7.0
T-1	7.0	7.0	7.0
ALPHA	7.0	6.7	6.8
AFM	6.7	6.7	6.7
PENNCROSS	7.0	6.0	6.5
L-93	6.0	5.7	5.8
LSD VALUE	1.3	1.1	0.9
C.V. (%)	8.0	8.4	6.9

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.

3/ POA ANNUA RATED IN 2012 ONLY.

Taken from the 2008 Bentgrass (Green) test - Final report with permission from NTEP  
 TABLE 56B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT PUYALLUP, WA 1/  
 2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
LUMINARY (A08-TDN2)	7.7	8.0	7.8
PIN-UP (HTM)	7.7	8.0	7.8
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8
V8	7.7	7.7	7.7
FOCUS (SRP-1GMC)	7.3	7.7	7.5
AUTHORITY	7.0	7.7	7.3
BARRACUDA (MVS-AP-101)	7.0	7.7	7.3
DECLARATION	7.3	7.0	7.2
PENN A-1	7.0	7.3	7.2
PROCLAMATION (LTP-FEC)	6.7	7.7	7.2
SRP-1BLTR3	7.0	7.3	7.2
PENN A-2	7.3	6.7	7.0
T-1	7.0	7.0	7.0
ALPHA	7.0	6.7	6.8
AFM	6.7	6.7	6.7
PENNCROSS	7.0	6.0	6.5
L-93	6.0	5.7	5.8
LSD VALUE	1.4	1.1	1.0
C.V. (%)	8.5	8.8	7.2

TABLE 56C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT PUYALLUP, WA 1/  
 2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
VILLA	7.7	8.0	7.8
SR 7200	6.7	7.7	7.2
LSD VALUE	1.4	1.1	1.0
C.V. (%)	0.0	5.2	2.7

- 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.
- 3/ POA ANNUA RATED IN 2012 ONLY.

TABLE 57A.

MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT PUYALLUP, WA 1/  
2012-13 DATA

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

NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
SR 7200	8.3	7.7	7.3	7.3	6.7	6.0	7.2
VILLA	8.7	8.0	7.0	6.3	5.0	5.0	6.7
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	6.0	5.7	6.3	6.5
PENN A-1	9.0	7.0	5.7	5.7	5.3	5.7	6.4
PIN-UP (HTM)	8.3	6.3	6.3	6.0	5.3	5.3	6.3
V8	7.0	7.7	7.0	6.3	5.0	4.7	6.3
LUMINARY (A08-TDN2)	8.3	6.7	5.3	5.3	6.0	5.3	6.2
PENN A-2	9.0	6.7	6.3	5.3	5.0	4.7	6.2
AUTHORITY	7.3	6.7	6.3	5.7	5.3	4.7	6.0
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	5.3	5.0	5.3	6.0
FOCUS (SRP-1GMC)	8.0	6.3	6.0	5.3	5.3	5.0	6.0
PURE DISTINCTION (PST-OJO)	7.7	5.0	6.0	6.0	5.7	5.0	5.9
T-1	8.7	5.7	6.0	6.0	5.0	4.3	5.9
ALPHA	8.3	5.3	5.7	5.7	5.3	4.7	5.8
DECLARATION	8.3	6.0	5.7	5.3	5.0	4.7	5.8
AFM	8.3	6.3	5.7	5.3	4.3	4.0	5.7
PENNCROSS	8.3	5.0	5.3	5.0	4.7	5.0	5.6
SRP-1BLTR3	7.7	5.3	5.3	5.0	5.0	4.3	5.4
L-93	7.7	5.7	5.7	4.0	4.0	4.3	5.2
LSD VALUE	3.2	1.0	1.8	2.1	2.5	2.6	2.4
C.V. (%)	12.8	9.3	13.0	16.0	17.6	19.1	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 57B.

MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT PUYALLUP, WA 1/  
2012-13 DATA

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

NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	6.0	5.7	6.3	6.5
PENN A-1	9.0	7.0	5.7	5.7	5.3	5.7	6.4
PIN-UP (HTM)	8.3	6.3	6.3	6.0	5.3	5.3	6.3
V8	7.0	7.7	7.0	6.3	5.0	4.7	6.3
LUMINARY (A08-TDN2)	8.3	6.7	5.3	5.3	6.0	5.3	6.2
PENN A-2	9.0	6.7	6.3	5.3	5.0	4.7	6.2
AUTHORITY	7.3	6.7	6.3	5.7	5.3	4.7	6.0
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	5.3	5.0	5.3	6.0
FOCUS (SRP-1GMC)	8.0	6.3	6.0	5.3	5.3	5.0	6.0
PURE DISTINCTION (PST-OJO)	7.7	5.0	6.0	6.0	5.7	5.0	5.9
T-1	8.7	5.7	6.0	6.0	5.0	4.3	5.9
ALPHA	8.3	5.3	5.7	5.7	5.3	4.7	5.8
DECLARATION	8.3	6.0	5.7	5.3	5.0	4.7	5.8
AFM	8.3	6.3	5.7	5.3	4.3	4.0	5.7
PENNCROSS	8.3	5.0	5.3	5.0	4.7	5.0	5.6
SRP-1BLTR3	7.7	5.3	5.3	5.0	5.0	4.3	5.4
L-93	7.7	5.7	5.7	4.0	4.0	4.3	5.2
LSD VALUE	3.2	1.1	2.0	2.5	3.0	2.9	2.8
C.V. (%)	13.3	10.0	12.6	16.3	18.7	20.5	18.5

TABLE 57C.

MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT PUYALLUP, WA 1/  
2012-13 DATA

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

NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
SR 7200	8.3	7.7	7.3	7.3	6.7	6.0	7.2
VILLA	8.7	8.0	7.0	6.3	5.0	5.0	6.7
LSD VALUE	3.2	1.1	2.0	2.5	3.0	2.9	2.8
C.V. (%)	4.8	5.2	15.1	17.9	7.0	0.0	17.6

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.