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JOSEPH TROLL TURF RESEARCH CENTER

**DEPARTMENT OF PLANT, SOIL &
INSECT SCIENCES**

FIELD DAY REPORT

J. SCOTT EBDON, PH.D



2005 NTEP KENTUCKY BLUEGRASS TEST

National Turfgrass Evaluation Program (NTEP) 2005 Kentucky Bluegrass Variety Trial

J. S. Ebdon, Ph. D.

The National Turfgrass Evaluation Program sponsors variety trials throughout the continental U. S. and Canada using uniform testing procedures. The objective is to evaluate and identify cultivars (varieties) that perform best under the different and diverse environmental conditions (climatic, soil, and cultural) associated with the many NTEP locations cooperating as part of the program. NTEP publishes annual reports that summarize the results collected at the 25 or more NTEP sites such as the University of Massachusetts. The NTEP data is made available on line at www.ntep.org and is used by turfgrass specialist and practitioners to help recommend and select varieties that grow best at their specific location. NTEP evaluates turfgrasses adapted to both cool-season (northern latitudes) and warm-season (southern latitudes) areas.

The 2005 Kentucky bluegrass variety trial plots were seeded from September 28 to October 3, 2005. There are 110 varieties represented in the test including 3 replications for each entry (variety). Pink snow mold caused by *Microdochium nivale* in 2007 and gray (*Typhula incarnata*) in 2008 and 2009 are shown in (Table 1). Pink and gray snow mold diseases were evaluated using a visual rating recorded on a 1 to 9 scale (9=no disease). Significant differences among cultivars were detected for pink and gray snow mold diseases. None of the cultivars evaluated for pink and gray snow mold resistance were disease free. The experimental entries 'A01-299', 'Bd 98-2108', 'J-2505', 'LTP-73', and 'PSG 36' exhibited good resistance (≥ 7.0) to pink snow mold disease in 2007 while none of the entries exhibited good resistance to gray snow mold in 2008 and 2009. Numerous commercial entries exhibited acceptable (≥ 5.0) gray snow mold tolerance (averaged over gray snow mold tolerance ratings in 2008 and 2009) including Starburst, Bewitched, Cosair, Impact, Midnight and Rhythm. Severe low temperature disease was observed in 2009 compared to past years. Snow mold severity in 2009 caused by *Typhula incarnata* was 40% greater than the severity caused from *Microdochium nivale* in 2007.

Cultural Practices:

- **Mowing height:** 1.25 inches with reel mower, 2 to 3 mowings per week.
- **Fertility:** 2.5 lbs N/1,000 ft²/year.
- **Irrigation:** none.
- **Fungicides:** none.

RIVER ROAD

TURF- FARM FENCE

2005 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS TEST

<p>Block C</p>	<p>Block B</p>	<p>Block A</p>
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2005 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS TEST

BLOCK A PLOT PLAN ENTRY NUMBER

40	83	61	74	67	49	11	22	19	28	94
43	57	30	91	20	107	44	81	55	26	78
52	98	50	101	7	16	106	63	90	14	93
65	9	45	25	79	17	15	36	64	2	109
37	10	41	24	88	21	80	108	3	69	71
103	23	42	29	66	6	73	104	59	12	38
87	99	47	56	92	95	62	51	39	82	46
105	27	77	72	8	48	60	33	58	110	70
89	96	18	100	68	97	85	76	35	75	31
5	1	86	4	32	84	102	53	34	13	54

6 ft

3 ft

2005 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS TEST

BLOCK B			PLOT PLAN				ENTRY NUMBER			
20	76	77	1	25	88	14	109	97	69	47
87	70	67	56	91	34	21	95	85	48	68
28	57	8	9	107	13	98	105	59	11	46
5	71	41	63	18	93	66	92	43	3	42
103	74	40	106	16	49	62	32	44	55	35
58	101	2	100	89	81	72	83	79	50	94
19	22	52	27	53	15	6	99	60	30	65
7	39	108	4	29	102	80	78	82	61	84
110	10	45	37	96	75	54	86	26	73	12
36	33	17	31	51	104	38	24	90	64	23

6 ft

3 ft

2005 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS TEST

BLOCK C PLOT PLAN ENTRY NUMBER

98	71	72	52	19	29	62	91	109	92	12
30	1	16	41	23	87	2	3	17	20	66
101	18	59	8	64	44	53	50	9	37	33
24	84	40	38	25	31	4	108	51	95	107
90	34	77	35	80	56	68	54	10	94	96
49	43	76	78	93	55	42	63	21	75	6
106	105	97	28	104	88	61	14	48	83	103
86	82	36	67	11	99	26	46	74	27	60
32	7	102	45	110	5	13	85	57	69	70
22	100	47	39	58	15	65	73	81	79	89

6 ft

3 ft

Table 1. 2005 NTEP Kentucky Bluegrass Test: Snow mold severity†.

Entry Number‡	Entry Name‡	Snow Mold Severity†			
		Pink, 2007	Gray, 2008	Gray, 2009	Average
92	LTP-2949	7.67	6.00	4.67	6.11
31	PSG 36	7.33	4.33	5.67	5.78
39	J-2505	7.33	5.33	4.67	5.78
78	Starburst*	6.67	5.33	5.33	5.78
20	Bewitched*	6.00	5.33	5.67	5.67
99	BAR VV 9630	7.00	5.00	5.00	5.67
108	AKB449	6.33	5.67	5.00	5.67
8	Cosair*	5.67	6.00	5.00	5.56
48	Impact*	5.67	5.67	5.33	5.56
59	A95-410	6.67	5.00	5.00	5.56
71	A01-299	7.00	5.33	4.33	5.56
104	LTP-73	7.67	4.67	4.33	5.56
2	Shamrock*	7.33	5.33	3.67	5.44
4	Midnight*	5.67	5.33	5.33	5.44
15	Bd 03-59	5.33	5.67	5.33	5.44
23	CPP 822	6.33	5.67	4.33	5.44
25	DP 76-9066	6.67	4.67	5.00	5.44
28	CP 76-9068	6.33	5.67	4.33	5.44
70	Avid*	6.67	4.33	5.33	5.44
98	BAR VV 9634	6.67	5.00	4.67	5.44
34	J-1466	6.00	5.67	4.33	5.33
41	J-3429	5.67	6.00	4.33	5.33
53	Glenmont*	6.33	4.67	5.00	5.33
85	PST-101-73	6.67	5.67	3.67	5.33
88	PST-1A1-899	6.00	5.00	5.00	5.33
13	Bd 03-84	5.33	5.67	4.67	5.22
35	J-2024	5.00	5.00	5.67	5.22
43	Everest*	5.67	5.33	4.67	5.22
61	RAD-762	6.67	4.67	4.33	5.22
66	Harmonie*	5.67	5.67	4.33	5.22
68	Rhythm*	5.33	5.33	5.00	5.22
95	Barrister*	5.67	5.33	4.67	5.22
97	Baron*	6.00	5.00	4.67	5.22
109	Diva*	6.67	5.00	4.00	5.22
10	Bd 98-2108	7.67	4.00	3.67	5.11
14	Bd 99-2103	6.33	5.33	3.67	5.11
16	MSP 3722	5.67	5.00	4.67	5.11
30	Argos*	6.67	4.33	4.33	5.11
52	NA-3257	6.00	5.33	4.00	5.11
65	A99-2559	6.00	4.67	4.67	5.11
84	PST-101-390	6.00	4.67	4.67	5.11
94	America*	7.00	4.00	4.33	5.11
105	LTP-149	6.00	4.67	4.67	5.11
107	Mystere*	5.67	5.00	4.67	5.11

Table 1. 2005 NTEP Kentucky Bluegrass Test: Snow mold severity†.

Entry Number‡	Entry Name‡	Snow Mold Severity†			
		Pink, 2007	Gray, 2008	Gray, 2009	Average
110	POPR 04594	7.00	4.67	3.67	5.11
17	MSP 3723	5.67	5.00	4.33	5.00
24	CPP 821	7.00	4.33	3.67	5.00
58	A98-999	6.67	4.33	4.00	5.00
75	RAD-504	5.33	5.00	4.67	5.00
83	PST-109-752	6.33	4.67	4.00	5.00
86	Emblem*	6.00	4.67	4.33	5.00
3	A97-890	6.33	4.67	3.67	4.89
9	Crusader*	4.67	5.00	5.00	4.89
21	Julia*	5.33	4.67	4.67	4.89
40	J-2870	5.33	5.33	4.00	4.89
67	A97-1287	7.00	4.00	3.67	4.89
79	Touche*	6.67	3.33	4.67	4.89
80	STPR-2959	5.67	4.67	4.33	4.89
82	1QG-38	5.67	5.00	4.00	4.89
89	NA-3248	5.67	4.67	4.33	4.89
93	PSG 711	6.00	4.67	4.00	4.89
96	Bariris*	6.00	4.33	4.33	4.89
101	BAR VV 8536	5.67	4.67	4.33	4.89
106	H94-305	5.33	5.00	4.33	4.89
1	SW AG 514	6.00	3.67	4.67	4.78
5	A98-689	6.00	4.33	4.00	4.78
32	J-1326	5.00	4.33	5.00	4.78
37	J-2404	4.67	5.33	4.33	4.78
46	Award*	5.00	5.33	4.00	4.78
47	Nu Glade*	5.00	5.00	4.33	4.78
50	Aoo-1400	6.67	4.33	3.33	4.78
54	A00-247	6.33	4.33	3.67	4.78
60	RAD-343	6.67	4.33	3.33	4.78
69	Dynamo*	5.67	4.67	4.00	4.78
73	Belissimo*	5.33	4.67	4.33	4.78
81	Spitfire*	7.00	3.33	4.00	4.78
90	NA-3259	6.33	4.67	3.33	4.78
91	H98-701	6.33	4.33	3.67	4.78
6	Arrowhead*	5.00	5.00	4.00	4.67
29	A98-948	5.33	4.33	4.33	4.67
33	J-1334	5.00	5.00	4.00	4.67
103	BAR VV 0710	6.00	4.33	3.67	4.67
18	MSP 3724	5.33	4.33	4.00	4.56
38	Apollo*	4.67	5.00	4.00	4.56
42	Everglade*	5.00	5.33	3.33	4.56
49	Beyond*	4.67	4.33	4.67	4.56
51	Excursion*	5.00	4.67	4.00	4.56
55	A01-349	5.67	4.67	3.33	4.56
62	Washington*	6.33	4.00	3.33	4.56

Table 1. 2005 NTEP Kentucky Bluegrass Test: Snow mold severity†.

Entry Number‡	Entry Name‡	Snow Mold Severity†			
		Pink, 2007	Gray, 2008	Gray, 2009	Average
63	RAD-0AN64	6.33	4.00	3.33	4.56
64	A99-3119	5.33	4.33	4.00	4.56
76	Bandara*	4.67	5.00	4.00	4.56
36	J-2399	5.33	4.33	3.67	4.44
57	Bluestone*	5.00	4.00	4.33	4.44
77	STR 2553	5.33	4.33	3.67	4.44
100	BAR VV 0665	4.00	4.33	5.00	4.44
102	BAR VV 0709	5.67	3.67	4.00	4.44
11	Bd 95-1930	6.00	3.67	3.33	4.33
19	Blueberry*	5.00	4.67	3.33	4.33
56	A00-1254	5.33	3.67	4.00	4.33
44	Rugby II*	5.33	3.67	3.67	4.22
45	Nu Destiny*	5.00	4.33	3.33	4.22
74	Skye*	5.00	4.00	3.67	4.22
87	Prosperity *	5.67	4.00	3.00	4.22
12	Bd 98-1358	6.00	3.33	3.00	4.11
72	Reveille*	3.67	4.67	4.00	4.11
27	DLF 76-9075	4.33	3.67	4.00	4.00
26	DP 76-9081	3.67	3.00	4.00	3.56
22	CPP 817	4.33	3.00	2.00	3.11
7	Kenblue*	1.67	2.67	3.33	2.56
LSD (0.05)§	—	1.19	1.43	1.44	0.88
Range	—	1.67 to 7.67	2.67 to 6.00	2.00 to 5.67	2.56 to 6.11

†1 to 9 scale, 9 = no disease.

‡See entry listing and plot plan for field trial location of corresponding entry.

§Any two cultivars that differ in value exceeding LSD are statistically significant.

*Commercially available in 2009.



2004 NTEP PERENNIAL RYEGRASS TEST

National Turfgrass Evaluation Program (NTEP) 2004 Perennial Ryegrass Variety Trial

J. S. Ebdon, Ph. D.

The National Turfgrass Evaluation Program sponsors variety trials throughout the continental U. S. and Canada using uniform testing procedures. The objective is to evaluate and identify cultivars (varieties) that perform best under the different and diverse environmental conditions (climatic, soil, and cultural) associated with the many NTEP locations cooperating as part of the program. NTEP publishes annual reports that summarize the results collected at the 25 or more NTEP sites such as the University of Massachusetts. The NTEP data is made available on line at www.ntep.org and is used by turfgrass specialist and practitioners to help recommend and select varieties that grow best at their specific location. NTEP evaluates turfgrasses adapted to both cool-season (northern latitudes) and warm-season (southern latitudes) areas.

The 2004 NTEP Perennial Ryegrass Test was seeded from October 9 to 12, 2004. There are 120 varieties represented in the test including 3 replications for each entry (variety) for a grand total of 360 plots. Gray snow mold cause by *Typhula incarnata* in 2007 through 2009 are shown in (Table 2). Gray snow mold disease was evaluated using a visual rating recorded on a 1 to 9 scale (9=no disease). Significant differences among cultivars were detected for gray snow mold diseases in 2007, 2008 and 2009. Numerous commercially available cultivars exhibited acceptable gray snow mold tolerance (≥ 5.0 , averaged over gray snow mold tolerance ratings in 2007 through 2009) including Barlennium, Paragon GLS, SR 4600, Silver Dollar, ASP6001, Top Gun II, Mach I, Charismatic, Overdrive, Dart, Homerun and E-99. Severe low temperature disease was observed in 2009 compared to past years. Gray snow mold severity was 40% greater in 2009 compared to the blighting caused by *Typhula incarnata* in 2007.

Cultural Practices:

- **Mowing height:** 1.25 inches with reel mower, 2 to 3 mowings per week.
- **Fertility:** 2.5 lbs N/1,000 ft²/year.
- **Irrigation:** none.
- **Fungicides:** none.

TURF- FARM FENCE

2004 NATIONAL TURFGRASS EVALUATION PROGRAM PERENNIAL RYEGRASS VARIETY TRIAL

Block C	Block B	Block A

2004 NATIONAL TURFGRASS EVALUATION PROGRAM PERENNIAL RYEGRASS VARIETY TRIAL

BLOCK A										PLOT PLAN						ENTRY NUMBER			
63	51	43	107	95	69	37	112	57	75	60	17	116	45	71	82	104	18	42	86
78	68	54	106	46	4	40	103	109	5	8	31	87	25	16	72	93	20	29	53
27	32	1	118	120	3	24	36	26	105	50	115	35	59	108	21	90	92	89	33
99	114	7	117	14	84	38	47	76	34	85	55	15	81	49	97	13	74	58	41
64	119	91	88	52	28	83	22	44	79	2	98	70	94	9	6	65	30	110	100
102	80	10	73	23	61	77	111	113	66	39	67	48	62	19	101	11	96	12	56

6 ft

3 ft

2004 NATIONAL TURFGRASS EVALUATION PROGRAM PERENNIAL RYEGRASS VARIETY TRIAL

BLOCK B										PLOT PLAN						ENTRY NUMBER			
49	106	40	15	114	33	56	1	73	17	85	46	68	57	38	81	9	88	13	20
43	105	58	70	22	52	71	112	99	29	47	42	66	79	24	4	30	77	104	101
6	65	21	51	111	87	48	23	69	113	120	78	98	117	115	25	44	82	45	3
107	36	11	74	84	90	16	26	86	118	32	5	95	61	55	119	67	102	93	109
75	18	103	2	28	59	89	62	92	12	31	34	54	96	60	91	116	108	63	64
35	110	41	14	72	80	83	7	39	94	76	50	53	8	37	97	10	100	27	19

6 ft

3 ft

2004 NATIONAL TURFGRASS EVALUATION PROGRAM PERENNIAL RYEGRASS VARIETY TRIAL

BLOCK C										PLOT PLAN						ENTRY NUMBER			
5	86	99	32	2	72	22	1	92	81	90	71	59	106	50	64	35	65	73	60
78	8	11	29	80	33	56	89	48	96	113	95	46	102	41	40	63	61	44	38
107	20	101	88	69	14	28	27	6	100	98	16	19	111	39	4	55	75	74	18
52	23	108	82	58	17	85	83	109	47	114	117	43	13	12	7	91	10	94	30
115	51	68	103	36	49	79	67	34	76	31	105	104	24	62	112	93	87	120	26
21	45	110	118	57	97	42	9	70	119	54	66	15	116	3	84	77	25	53	37

6 ft

3 ft

Table 2. 2004 NTEP Perennial Ryegrass Test: Gray snow mold severity†.

Entry Number‡	Entry Name‡	Gray Snow Mold Severity†			
		2007	2008	2009	Average
57	PST-217	6.67	5.00	4.33	5.33
86	Barlennium*	6.67	5.00	4.33	5.33
6	Paragon GLR*	5.33	6.00	4.33	5.22
92	SR 4600*	5.67	5.00	5.00	5.22
107	D04-UP	6.00	5.00	4.67	5.22
33	MMV	5.00	5.67	4.67	5.11
62	PST-2GSM	5.67	5.00	4.67	5.11
65	04-BRE	5.67	5.67	4.00	5.11
81	Silver Dollar*	7.00	5.00	3.33	5.11
22	ASP6001*	5.33	5.67	4.00	5.00
29	Top Gun II*	6.00	5.33	3.67	5.00
35	Mach I*	6.33	4.33	4.33	5.00
37	LCK	5.67	4.00	5.33	5.00
51	Charismatic*	6.00	4.33	4.67	5.00
56	Overdrive*	6.67	5.00	3.33	5.00
71	Dart*	6.67	5.00	3.33	5.00
73	Homerun*	6.33	5.00	3.67	5.00
96	MS2	5.00	5.67	4.33	5.00
105	E-99*	5.67	5.33	4.00	5.00
2	Panther*	5.33	5.33	4.00	4.89
11	Presidio*	5.33	5.33	4.00	4.89
14	VB99	6.33	4.33	4.00	4.89
36	Pick RB-1	6.33	5.00	3.33	4.89
41	All*Star3*	5.67	5.00	4.00	4.89
64	04-BEN	5.67	5.33	3.33	4.78
67	Fiesta 4*	5.67	5.00	3.67	4.78
72	Apple GL*	6.00	4.33	4.00	4.78
94	PM 102	6.00	4.67	3.67	4.78
102	Line Drive GLS*	6.00	3.67	4.67	4.78
15	VB77	5.33	4.67	4.00	4.67
39	Palace*	5.33	4.33	4.33	4.67
60	PST-2MNG	5.33	5.33	3.33	4.67
69	Firebolt*	5.00	4.67	4.33	4.67
70	PM 101	5.00	5.33	3.67	4.67
76	PS-2	5.67	5.33	3.00	4.67
89	BAR Lp 4920	5.00	5.00	4.00	4.67
108	D04-11T	6.67	3.33	4.00	4.67
7	Protégé GLR*	6.33	4.33	3.00	4.56
8	Exacta II GLSR*	4.33	5.00	4.33	4.56
12	GPR	5.33	4.33	4.00	4.56
19	ASP6005*	4.67	4.67	4.33	4.56
21	ASP6004*	5.67	4.67	3.33	4.56
26	Phenom*	6.00	4.67	3.00	4.56
40	Attribute*	5.67	4.00	4.00	4.56

Table 2. 2004 NTEP Perennial Ryegrass Test: Gray snow mold severity†.

Entry Number‡	Entry Name‡	Gray Snow Mold Severity†			
		2007	2008	2009	Average
45	Derby Xtreme*	6.67	3.67	3.33	4.56
50	Fusion*	5.67	4.33	3.67	4.56
78	RAD-PR8	5.33	4.00	4.33	4.56
80	Citation Fore*	6.33	4.00	3.33	4.56
97	Repell GLS*	5.33	4.67	3.67	4.56
100	RNS*	4.33	5.00	4.33	4.56
28	Accent II*	6.33	4.33	2.67	4.44
34	1G2	5.00	4.67	3.67	4.44
42	Amazing GS*	5.33	4.33	3.67	4.44
49	Buena Vista*	5.67	4.67	3.00	4.44
83	Quicksilver*	5.33	4.00	4.00	4.44
103	AC2	5.33	4.00	4.00	4.44
5	Affinity*	5.67	4.33	3.00	4.33
17	APS6003*	6.33	4.00	2.67	4.33
47	Cabo II*	5.67	4.67	2.67	4.33
52	Secretariat II*	5.00	5.00	3.00	4.33
58	Manhattan 5*	5.00	4.67	3.33	4.33
61	PST-2AG	5.67	4.00	3.33	4.33
66	Sunshine 2*	4.33	4.67	4.00	4.33
68	Pick-02-R	5.00	4.33	3.67	4.33
75	AF	6.00	4.33	2.67	4.33
79	Brightstar SLT*	5.00	5.00	3.00	4.33
90	SRX 4682	6.00	4.33	2.67	4.33
110	Inspire*	5.67	3.67	3.67	4.33
112	APR 1648	6.00	4.00	3.00	4.33
113	APR 1670	5.67	4.67	2.67	4.33
16	L44	5.00	4.00	3.67	4.22
20	ASP6006*	5.33	3.67	3.67	4.22
38	Regal 5*	4.67	4.67	3.33	4.22
43	Keystone 2*	6.33	3.33	3.00	4.22
48	Kokomo*	6.00	4.67	2.00	4.22
53	Caddieshack II*	4.67	4.33	3.67	4.22
85	Pinnacle II*	5.67	4.67	2.33	4.22
87	Bar Lp 4317	5.33	4.33	3.00	4.22
115	Pinnacle*	5.00	4.67	3.00	4.22
9	ES45	5.00	4.00	3.33	4.11
10	TR47	5.33	3.67	3.33	4.11
18	ASP6002*	4.33	4.67	3.33	4.11
24	SP4	5.00	4.33	3.00	4.11
27	Delaware XL*	5.67	3.33	3.33	4.11
55	La Quinta*	5.33	4.33	2.67	4.11
98	Panther GLS*	5.00	4.67	2.67	4.11
101	Palmer IV*	5.00	4.67	2.67	4.11
104	Pleasure Supreme*	5.00	4.00	3.33	4.11
118	Galatti	5.33	4.33	2.67	4.11

Table 2. 2004 NTEP Perennial Ryegrass Test: Gray snow mold severity†.

Entry Number‡	Entry Name‡	Gray Snow Mold Severity†			
		2007	2008	2009	Average
119	Pianist	4.67	4.33	3.33	4.11
1	LPR 02203	4.67	3.67	3.67	4.00
3	Pacesetter*	5.33	4.00	2.67	4.00
13	Halo*	6.00	3.33	2.67	4.00
23	Wild Dance 2*	4.67	4.00	3.33	4.00
25	SNR	5.00	3.67	3.33	4.00
30	Revenge GLX*	5.67	4.33	2.00	4.00
59	PST-2BLK	5.00	3.67	3.33	4.00
63	PST-2LAN	5.33	3.67	3.00	4.00
95	Headstart 2*	5.33	3.67	3.00	4.00
106	D04-LP05	6.00	3.67	2.33	4.00
109	D04-1667	6.00	3.33	2.67	4.00
111	Pentium*	4.67	4.67	2.67	4.00
114	Premier*	5.33	4.33	2.33	4.00
117	DP-17-9499	5.00	4.00	3.00	4.00
120	DP 17-9788	5.33	3.67	3.00	4.00
44	Primary*	4.67	4.67	2.33	3.89
84	Premier II*	5.33	3.33	3.00	3.89
99	GL-2	6.00	3.67	2.00	3.89
32	DP1*	4.67	4.00	2.67	3.78
74	DCM	6.00	3.33	2.00	3.78
93	Harrier*	5.00	3.33	3.00	3.78
31	Monterey 3*	5.00	3.67	2.00	3.56
46	Stellar GL*	5.00	3.67	2.00	3.56
82	Gray star*	4.00	3.33	3.33	3.56
91	SRX 4692	4.33	3.67	2.67	3.56
4	Pizzazz*	5.33	3.00	2.00	3.44
54	Goalkeeper II*	4.33	3.00	3.00	3.44
77	Palmer III*	5.33	2.67	2.00	3.33
88	BAR Lp 4420	4.00	3.00	2.67	3.22
116	Linn*	2.67	2.33	1.33	2.11
LSD (0.05)§	—	1.30	1.55	1.42	0.90
Range	—	2.67 to 7.00	2.33 to 6.00	1.33 to 5.33	2.11 to 5.33

†1 to 9 scale, 9 = no disease.

‡See entry listing and plot plan for field trial location of corresponding entry.

§Any two cultivars that differ in value exceeding LSD are statistically significant.

*Commercially available in 2009.

2000 NTEP KENTUCKY BLUEGRASS TEST

National Turfgrass Evaluation Program (NTEP) 2000 Kentucky Bluegrass Variety Trial

J. S. Ebdon, Ph. D.

The National Turfgrass Evaluation Program sponsors variety trials throughout the continental U. S. and Canada using uniform testing procedures. The objective is to evaluate and identify cultivars (varieties) that perform best under the different and diverse environmental conditions (climatic, soil, and cultural) associated with the many NTEP locations cooperating as part of the program. NTEP publishes annual reports that summarize the results collected at the 25 or more NTEP sites such as the University of Massachusetts. The NTEP data is made available on line at www.ntep.org and is used by turfgrass specialist and practitioners to help recommend and select varieties that grow best at their specific location. NTEP evaluates turfgrasses adapted to both cool-season (northern latitudes) and warm-season (southern latitudes) areas.

The 2000 Kentucky bluegrass variety trial plots were seeded from October 10 to 16, 2000. There are 173 varieties represented in the test including 3 replications for each entry (variety) for a grand total of 519 plots. Gray snow mold cause by *Typhula incarnata* in 2008 is shown in (Table 3) and *Typhula incarnata* in 2009 is shown in (Table 4) while 2008 and 2009 disease averages are shown in Table 5. Gray snow mold disease was evaluated using a visual rating recorded on a 1 to 9 scale (9=no disease). Significant differences due to the effects of cultivar and height of cut (HOC, 1.25 versus 0.5 inch) were detected for gray snow mold disease in 2008 and 2009. Closer HOC (0.5 inch) promote significantly greater *Typhula* blight than 1.25 inch HOC, but only 7% greater disease on average was exhibited at the lower HOC. Numerous commercially available Kentucky bluegrass entries exhibit acceptable tolerance to *Typhula* blight (≥ 5.0) in both years when averaged across HOC (Table 5). More severe low temperature disease was observed in 2008 compared to 2009. Some of the commercially available Kentucky bluegrass entries that exhibited above average tolerance to *Typhula* blight included Langara, Kingfisher, Wildwood, Bedazzled, Limousine, Julius, SR-2284, Hallmark, Apollo, Showcase, Serene, Acardia, Champlain, Casablanca, Princeton 105 and Moon Shadow. The 2000 Kentucky bluegrass variety will continue over the next two growing seasons to evaluate the effects of differential height of cut on turf quality. Entry numbers, cultivar names, and plot-plans are included with this report.

Cultural Practices:

- **Mowing height:** 0.5 and 1.25 inches with reel mower, 3 mowings per week.
- **Fertility:** 3.5 lbs N/1,000 ft²/year.
- **Irrigation:** none.
- **Fungicides:** none.

RIVER ROAD

TURF- FARM FENCE

2000 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS VARIETY TRIAL
½ inch HOC

Block C	Block B	Block A

2000 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS VARIETY TRIAL

BLOCK A																								PLOT PLAN																								ENTRY NUMBER																							
109	141	21	93	7	57	6	85	52	46	119	78	112	146	70	59	68	49	40	159	97	19	170			½ inch HOC																																														
																										9	172																																												
87	53	131	151	121	114	133	64	105	167	162	65	81	145	71	39	152	139	67	77	149	168	96			½ inch HOC																																														
156	164	113	60	115	84	14	104	76	143	36	29	158	20	122	24	38	98	32	80	56	124	22			½ inch HOC																																														
127	106	8	45	123	16	129	91	150	153	15	63	171	83	54	13	2	75	116	140	89	88	144			½ inch HOC																																														
107	73	69	117	138	128	154	137	130	155	37	169	79	125	99	120	33	110	28	148	157	142	5			½ inch HOC																																														
25	27	135	90	126	30	18	4	173	163	66	160	92	166	12	74	48	42	47	95	86	147	72			½ inch HOC																																														
23	51	136	100	108	62	3	82	55	118	94	10	11	43	41	34	103	134	102	132	101	165	26			½ inch HOC																																														

6 ft

3 ft

2000 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS VARIETY TRIAL

BLOCK B										PLOT PLAN										ENTRY NUMBER					
143	39	18	60	137	110	48	125	171	84	111	69	47	159	144	122	100	57	85	81	145	26	6	73	121	½ inch HOC
92	134	82	106	28	115	52	22	162	124	66	44	108	139	126	41	43	95	97	90	67	71	16	73	121	
1	155	136	31	87	50	62	21	158	10	150	9	152	109	91	129	45	147	29	154	5	33	96	79	88	½ inch HOC
51	113	12	80	30	77	59	138	20	169	74	8	112	119	127	146	2	103	148	98	170	68	94	63	15	
11	114	173	166	168	167	157	14	165	132	17	172	27	86	107	70	133	130	163	78	46	61	135	118	140	½ inch HOC
76	32	153	128	142	53	64	42	120	117	104	65	164	93	35	24	89	40	49	102	116	161	13	54	38	
105	141	151	156	34	3	23	160	75	123	149	37	56	36	55	83	25	19	72	58	131	7	101	99	4	½ inch HOC

6 ft

3 ft

2000 NATIONAL TURFGRASS EVALUATION PROGRAM KENTUCKY BLUEGRASS VARIETY TRIAL

BLOCK C																								PLOT PLAN																								ENTRY NUMBER																							
48	9	2	47	72	19	126	133	63	168	87	145	93	154	17	41	43	40	7	97	116	163	86			½ inch HOC																																														
																										108	160																																												
96	132	157	122	68	58	123	38	98	166	36	110	138	70	170	6	131	102	53	3	5	164	12			½ inch HOC																																														
54	119	121	78	144	91	83	27	14	18	172	77	23	153	59	150	8	20	140	85	115	136	49	118	95			½ inch HOC																																												
134	31	173	1	105	159	113	39	10	76	158	69	169	24	149	90	13	141	84	34	165	106	33	66	99			½ inch HOC																																												
65	127	61	71	22	21	112	100	28	82	151	62	117	103	46	56	167	155	25	4	73	161	81	120	146			½ inch HOC																																												
94	171	107	143	92	64	45	55	52	79	11	37	32	137	35	101	128	51	75	130	89	109	104	42	88			½ inch HOC																																												
29	74	114	129	142	125	152	139	111	15	135	57	67	162	148	60	26	147	156	30	16	80	50	44	124			½ inch HOC																																												
																												6 ft																																											
																								3 ft																																															

Table 3. 2000 NTEP Kentucky Bluegrass Trial: 2008 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
150	Langara*	6.00	5.33	5.67
39	A97-1432	5.00	5.67	5.33
171	Blackstone*	5.67	5.00	5.33
20	Hallmark*	5.33	5.33	5.33
87	Showcase*	5.33	5.33	5.33
89	Kingfisher*	5.33	5.33	5.33
19	Wildwood*	5.67	4.67	5.17
60	Misty*	5.67	4.67	5.17
56	Limousine*	5.33	5.00	5.17
122	Princeton 105*	5.33	5.00	5.17
162	BAR-Pp-0573	5.33	5.00	5.17
1	Midnight*	5.00	5.00	5.00
25	PST-B5-125	5.00	5.00	5.00
31	Brilliant*	5.00	5.00	5.00
34	PST York Harbor	5.00	5.00	5.00
68	Ba-83-113	5.33	4.67	5.00
86	NA-K992	5.00	5.00	5.00
88	Arcadia*	5.33	4.67	5.00
106	SRX-2114	5.00	5.00	5.00
136	Awesome*	5.00	5.00	5.00
153	PST-B3-170	5.00	5.00	5.00
159	BAR-Pp-0468	5.00	5.00	5.00
169	Serene*	6.00	4.00	5.00
11	Pp H 6366	5.00	4.67	4.83
38	Apollo*	4.67	5.00	4.83
76	A97-1409	5.00	4.67	4.83
77	A96-451	5.00	4.67	4.83
78	Julius*	4.67	5.00	4.83
92	Sonoma*	4.67	5.00	4.83
99	Unknown	5.00	4.67	4.83
107	SR-2284*	5.00	4.67	4.83
126	Chicago II*	5.00	4.67	4.83
160	BAR-Pp-0471	4.67	5.00	4.83
163	Bartitia*	5.00	4.67	4.83
6	Bedazzled*	4.33	5.33	4.83
29	PST-161	5.33	4.33	4.83
45	B5-43	5.33	4.33	4.83
79	Allure*	4.33	5.33	4.83
116	Champlain*	5.33	4.33	4.83
123	mpact*	5.33	4.33	4.83
15	Monte Carlo*	4.67	4.67	4.67
32	PST-222	4.67	4.67	4.67
47	Blue-tastic*	4.67	4.67	4.67
48	H92-203	4.67	4.67	4.67

Table 3. 2000 NTEP Kentucky Bluegrass Trial: 2008 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
50	B5-144	4.67	4.67	4.67
51	PST-B4-246	4.67	4.67	4.67
70	Ba-84-140	4.67	4.67	4.67
71	Ba-82-288	4.67	4.67	4.67
81	H92-558	4.67	4.67	4.67
108	Diva*	4.67	4.67	4.67
149	Moon Shadow*	4.67	4.67	4.67
154	B4-128A	4.67	4.67	4.67
156	Washington*	4.67	4.67	4.67
158	A97-857	4.67	4.67	4.67
161	BAR-Pp-0568	4.67	4.67	4.67
33	Midnight II*	5.00	4.33	4.67
42	Arrow*	4.33	5.00	4.67
49	Casablanca*	4.33	5.00	4.67
52	PST-H6-150	4.33	5.00	4.67
53	Alpine*	4.33	5.00	4.67
58	Envicta*	5.33	4.00	4.67
84	Boutique*	5.00	4.33	4.67
100	Blue Knight*	5.00	4.33	4.67
112	Jefferson*	4.33	5.00	4.67
129	Tsunami*	5.00	4.33	4.67
131	Courtyard*	4.33	5.00	4.67
139	EverGlade*	5.00	4.33	4.67
140	Nu Destiny*	5.33	4.00	4.67
143	Rugby II*	5.00	4.33	4.67
147	Liberator*	5.00	4.33	4.67
167	Baronie*	4.33	5.00	4.67
170	Moonlight*	5.00	4.33	4.67
12	Pp H 7929	4.67	4.33	4.50
18	Wellington*	4.33	4.67	4.50
22	Glenmont*	4.33	4.67	4.50
35	Blacksburg II*	5.00	4.00	4.50
36	Mallard*	4.67	4.33	4.50
37	Blue Ridge*	4.67	4.33	4.50
64	Abbey*	4.33	4.67	4.50
65	BH-00-6003	4.67	4.33	4.50
72	Chateau*	4.33	4.67	4.50
74	CVB-20631	4.67	4.33	4.50
85	Blue Sapphire*	4.33	4.67	4.50
95	Champagne*	4.67	4.33	4.50
98	Jewel*	4.67	4.33	4.50
101	DLF-76-9032	4.33	4.67	4.50
118	Royce*	4.00	5.00	4.50
134	Blue Velvet*	4.67	4.33	4.50
142	Beyond*	4.33	4.67	4.50

Table 3. 2000 NTEP Kentucky Bluegrass Trial: 2008 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
144	Award*	4.67	4.33	4.50
157	A96-742	4.67	4.33	4.50
166	Barzan*	4.33	4.67	4.50
168	Unique*	4.33	4.67	4.50
13	Pp H 7832	5.00	3.67	4.33
145	Rambo*	5.00	3.67	4.33
2	Baron*	4.67	4.00	4.33
3	Lily	4.00	4.67	4.33
5	Bodacious*	4.67	4.00	4.33
44	Dynamo*	4.00	4.67	4.33
55	Rampart*	4.67	4.00	4.33
63	Fairfax*	4.67	4.00	4.33
66	Baronette*	4.00	4.67	4.33
80	A97-1330	4.00	4.67	4.33
91	SRX-27921	4.00	4.67	4.33
110	99AN-53	4.00	4.67	4.33
113	A98-407	4.67	4.00	4.33
115	A98-183	4.00	4.67	4.33
120	A98-365	4.00	4.67	4.33
124	Total Eclipse*	4.67	4.00	4.33
138	Freedom III*	4.00	4.67	4.33
14	Pp H 7907	4.33	4.33	4.33
24	Avalanche*	4.33	4.33	4.33
41	Mercury*	4.33	4.33	4.33
43	Moonshine*	4.33	4.33	4.33
54	Pich 453	4.33	4.33	4.33
57	Quantum leap*	4.33	4.33	4.33
61	Ascot*	4.33	4.33	4.33
93	Bordeaux*	4.33	4.33	4.33
97	Skye*	4.33	4.33	4.33
104	DLF-96-9037	4.33	4.33	4.33
111	Mongoose*	4.33	4.33	4.33
133	J-2885	4.33	4.33	4.33
152	PST-H5-35	4.33	4.33	4.33
10	Cheetah*	4.67	3.67	4.17
23	Coventry*	3.67	4.67	4.17
82	Julia*	4.67	3.67	4.17
114	A98-1028	3.67	4.67	4.17
165	Bariris*	4.67	3.67	4.17
8	Eagleton*	4.33	4.00	4.17
9	HV 140	4.33	4.00	4.17
16	Royale*	4.00	4.33	4.17
21	Lakeshore*	4.00	4.33	4.17
26	PST-604	4.33	4.00	4.17
27	PST-108-79	4.00	4.33	4.17

Table 3. 2000 NTEP Kentucky Bluegrass Trial: 2008 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
40	HV 238	4.33	4.00	4.17
46	B5-45	4.33	4.00	4.17
83	Brooklawn*	4.00	4.33	4.17
90	SRX-26351	4.00	4.33	4.17
96	Durham*	4.33	4.00	4.17
105	SI-A96-386	4.00	4.33	4.17
128	Perfection*	4.33	4.00	4.17
135	Everest*	4.33	4.00	4.17
137	Excursion*	4.00	4.33	4.17
151	A96-739	4.00	4.33	4.17
155	Bluestone*	4.00	4.33	4.17
164	Baritone*	4.00	4.33	4.17
172	Rita*	4.00	4.33	4.17
4	Limerick	4.00	4.00	4.00
28	Voyager II*	3.33	4.67	4.00
59	Goldrush*	4.00	4.00	4.00
69	Marquis*	4.33	3.67	4.00
94	Cabernet*	3.67	4.33	4.00
102	DLF-76-9034	4.00	4.00	4.00
103	DLF-96-9036	4.00	4.00	4.00
117	Goldstar*	3.67	4.33	4.00
121	Kenblue*	4.00	4.00	4.00
130	Ginney*	4.33	3.67	4.00
132	Alexa*	4.00	4.00	4.00
141	Barrister*	4.33	3.67	4.00
173	North Star*	4.33	3.67	4.00
17	Shamrock*	4.00	3.67	3.83
30	Bluemax*	3.67	4.00	3.83
67	Raven*	4.00	3.67	3.83
73	Ba-00-6001	3.67	4.00	3.83
109	SRX-QG245	3.67	4.00	3.83
119	A98-139	4.00	3.67	3.83
127	NuGlade*	4.00	3.67	3.83
146	Freedom II*	3.67	4.00	3.83
75	Chelsea*	4.33	3.33	3.83
148	G0-9LM9	3.67	3.67	3.67
62	BH-00-6002	3.33	4.00	3.67
125	Odyssey*	3.33	4.00	3.67
7	Boomerang*	3.67	3.33	3.50
LSD (0.05)§	—	1.09	1.03	0.77
Range	—	3.33 to 6.00	3.33 to 5.67	3.50 to 5.67

†1 to 9 scale, 9 = no disease.

‡See entry listing and plot plan for field trial location of corresponding entry.

§Any two cultivars that differ in value exceeding LSD are statistically significant.

*Commercially available in 2009.

Table 4. 2000 NTEP Kentucky Bluegrass Trial: 2009 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
6	Bedazzled*	7.00	5.67	6.33
19	Wildwood*	6.67	6.00	6.33
78	Julius*	6.67	6.00	6.33
89	Kingfisher*	6.67	6.00	6.33
107	SR-2284*	7.00	5.67	6.33
38	Apollo*	6.67	5.67	6.17
40	HV 238	6.67	5.67	6.17
150	Langara*	7.00	5.33	6.17
162	BAR-Pp-0573	6.33	6.00	6.17
25	PST-B5-125	6.00	6.00	6.00
44	Dynamo*	6.33	5.67	6.00
49	Casablanca*	6.00	6.00	6.00
56	Limousine*	6.33	5.67	6.00
116	Champlain*	6.00	6.00	6.00
149	Moon Shadow*	6.33	5.67	6.00
159	BAR-Pp-0468	6.00	6.00	6.00
165	Bariris*	6.33	5.67	6.00
169	Serene*	6.67	5.33	6.00
18	Wellington*	6.33	5.33	5.83
24	Avalanche*	6.33	5.33	5.83
30	Bluemax*	6.00	5.67	5.83
32	PST-222	6.33	5.33	5.83
37	Blue Ridge*	6.00	5.67	5.83
39	A97-1432	6.00	5.67	5.83
42	Arrow*	5.67	6.00	5.83
57	Quantum leap*	6.67	5.00	5.83
61	Ascot*	6.00	5.67	5.83
62	BH-00-6002	5.67	6.00	5.83
74	CVB-20631	7.00	4.67	5.83
85	Blue Sapphire*	6.00	5.67	5.83
88	Arcadia*	6.33	5.33	5.83
106	SRX-2114	6.00	5.67	5.83
108	Diva*	6.33	5.33	5.83
120	A98-365	6.33	5.33	5.83
131	Courtyard*	6.33	5.33	5.83
157	A96-742	6.33	5.33	5.83
161	BAR-Pp-0568	6.00	5.67	5.83
167	Baronie*	6.00	5.67	5.83
4	Limerick	5.67	5.67	5.67
10	Cheetah*	5.67	5.67	5.67
13	Pp H 7832	5.67	5.67	5.67
15	Monte Carlo*	5.67	5.67	5.67
17	Shamrock*	6.00	5.33	5.67
20	Hallmark*	5.67	5.67	5.67

Table 4. 2000 NTEP Kentucky Bluegrass Trial: 2009 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
28	Voyager II*	6.33	5.00	5.67
34	PST York Harbor	5.33	6.00	5.67
47	Blue-tastic*	5.33	6.00	5.67
52	PST-H6-150	6.00	5.33	5.67
53	Alpine*	5.67	5.67	5.67
70	Ba-84-140	5.67	5.67	5.67
75	Chelsea*	5.67	5.67	5.67
76	A97-1409	6.00	5.33	5.67
77	A96-451	6.00	5.33	5.67
79	Allure*	6.00	5.33	5.67
87	Showcase*	5.67	5.67	5.67
93	Bordeaux*	5.67	5.67	5.67
94	Cabernet*	6.33	5.00	5.67
99	Unknown	6.33	5.00	5.67
112	Jefferson*	6.00	5.33	5.67
118	Royce*	5.67	5.67	5.67
126	Chicago II*	6.00	5.33	5.67
144	Award*	6.00	5.33	5.67
155	Bluestone*	6.00	5.33	5.67
156	Washington*	5.67	5.67	5.67
170	Moonlight*	6.00	5.33	5.67
1	Midnight*	6.00	5.00	5.50
7	Boomerang*	5.33	5.67	5.50
22	Glenmont*	5.33	5.67	5.50
23	Coventry*	5.33	5.67	5.50
29	PST-161	6.33	4.67	5.50
31	Brilliant*	5.67	5.33	5.50
35	Blacksburg II*	5.67	5.33	5.50
36	Mallard*	5.67	5.33	5.50
48	H92-203	5.33	5.67	5.50
51	PST-B4-246	5.67	5.33	5.50
65	BH-00-6003	5.67	5.33	5.50
66	Baronette*	5.67	5.33	5.50
73	Ba-00-6001	5.33	5.67	5.50
84	Boutique*	6.00	5.00	5.50
91	SRX-27921	5.33	5.67	5.50
92	Sonoma*	6.00	5.00	5.50
103	DLF-96-9036	5.33	5.67	5.50
104	DLF-96-9037	6.00	5.00	5.50
105	SI-A96-386	5.67	5.33	5.50
115	A98-183	6.00	5.00	5.50
117	Goldstar*	6.00	5.00	5.50
122	Princeton 105*	6.00	5.00	5.50
123	mpact*	6.00	5.00	5.50
128	Perfection*	5.67	5.33	5.50

Table 4. 2000 NTEP Kentucky Bluegrass Trial: 2009 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
130	Ginney*	6.00	5.00	5.50
140	Nu Destiny*	6.00	5.00	5.50
146	Freedom II*	6.00	5.00	5.50
148	G0-9LM9	5.67	5.33	5.50
160	BAR-Pp-0471	6.00	5.00	5.50
164	Baritone*	5.67	5.33	5.50
168	Unique*	6.00	5.00	5.50
12	Pp H 7929	5.33	5.33	5.33
16	Royale*	5.33	5.33	5.33
21	Lakeshore*	5.33	5.33	5.33
26	PST-604	5.67	5.00	5.33
33	Midnight II*	5.33	5.33	5.33
41	Mercury*	6.00	4.67	5.33
60	Misty*	6.00	4.67	5.33
64	Abbey*	5.67	5.00	5.33
67	Raven*	5.67	5.00	5.33
68	Ba-83-113	5.67	5.00	5.33
81	H92-558	5.67	5.00	5.33
83	Brooklawn*	5.67	5.00	5.33
90	SRX-26351	5.33	5.33	5.33
96	Durham*	5.67	5.00	5.33
97	Skye*	5.33	5.33	5.33
100	Blue Knight*	6.00	4.67	5.33
101	DLF-76-9032	5.00	5.67	5.33
111	Mongoose*	5.33	5.33	5.33
129	Tsunami*	5.33	5.33	5.33
137	Excursion*	5.67	5.00	5.33
141	Barrister*	5.67	5.00	5.33
142	Beyond*	5.67	5.00	5.33
152	PST-H5-35	5.33	5.33	5.33
153	PST-B3-170	5.67	5.00	5.33
154	B4-128A	5.33	5.33	5.33
158	A97-857	5.33	5.33	5.33
163	Bartitia*	5.67	5.00	5.33
172	Rita*	6.00	4.67	5.33
8	Eagleton*	6.00	4.33	5.17
11	Pp H 6366	5.00	5.33	5.17
46	B5-45	5.00	5.33	5.17
59	Goldrush*	5.33	5.00	5.17
63	Fairfax*	5.67	4.67	5.17
69	Marquis*	5.00	5.33	5.17
71	Ba-82-288	5.00	5.33	5.17
72	Chateau*	5.00	5.33	5.17
80	A97-1330	5.00	5.33	5.17
82	Julia*	5.67	4.67	5.17

Table 4. 2000 NTEP Kentucky Bluegrass Trial: 2009 Gray snow mold†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
86	NA-K992	5.67	4.67	5.17
95	Champagne*	5.33	5.00	5.17
98	Jewel*	5.67	4.67	5.17
132	Alexa*	6.00	4.33	5.17
133	J-2885	5.67	4.67	5.17
134	Blue Velvet*	6.00	4.33	5.17
135	Everest*	5.33	5.00	5.17
139	EverGlade*	6.00	4.33	5.17
143	Rugby II*	5.67	4.67	5.17
151	A96-739	5.33	5.00	5.17
171	Blackstone*	6.00	4.33	5.17
43	Moonshine*	5.00	5.00	5.00
45	B5-43	5.00	5.00	5.00
50	B5-144	5.00	5.00	5.00
54	Pich 453	5.33	4.67	5.00
110	99AN-53	6.00	4.00	5.00
114	A98-1028	5.00	5.00	5.00
119	A98-139	5.33	4.67	5.00
124	Total Eclipse*	6.00	4.00	5.00
127	NuGlade*	5.67	4.33	5.00
136	Awesome*	5.33	4.67	5.00
145	Rambo*	5.67	4.33	5.00
166	Barzan*	5.33	4.67	5.00
2	Baron*	5.33	4.33	4.83
3	Lily	4.67	5.00	4.83
5	Bodacious*	5.33	4.33	4.83
27	PST-108-79	4.67	5.00	4.83
55	Rampart*	5.00	4.67	4.83
58	Envicta*	5.00	4.67	4.83
102	DLF-76-9034	4.67	5.00	4.83
109	SRX-QG245	5.00	4.67	4.83
113	A98-407	5.00	4.67	4.83
147	Liberator*	5.00	4.67	4.83
173	North Star*	5.33	4.33	4.83
9	HV 140	4.67	4.67	4.67
14	Pp H 7907	5.00	4.33	4.67
125	Odyssey*	5.00	4.33	4.67
121	Kenblue*	4.67	4.00	4.33
138	Freedom III*	4.67	4.00	4.33
LSD (0.05)§	—	1.12	1.23	0.85
Range	—	4.67 to 7.00	4.00 to 6.00	4.33 to 6.33

†1 to 9 scale, 9 = no disease.

‡See entry listing and plot plan for field trial location of corresponding entry.

§Any two cultivars that differ in value exceeding LSD are statistically significant.

*Commercially available in 2009.

Table 5. 2000 NTEP Kentucky Bluegrass Trial: Gray snow mold 2008 and 2009 average†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
150	Langara*	6.50	5.33	5.92
89	Kingfisher*	6.00	5.67	5.83
19	Wildwood*	6.17	5.33	5.75
162	BAR-Pp-0573	5.83	5.50	5.67
6	Bedazzled*	5.67	5.50	5.58
39	A97-1432	5.50	5.67	5.58
56	Limousine*	5.83	5.33	5.58
78	Julius*	5.67	5.50	5.58
107	SR-2284*	6.00	5.17	5.58
20	Hallmark*	5.50	5.50	5.50
25	PST-B5-125	5.50	5.50	5.50
38	Apollo*	5.67	5.33	5.50
87	Showcase*	5.50	5.50	5.50
159	BAR-Pp-0468	5.50	5.50	5.50
169	Serene*	6.33	4.67	5.50
88	Arcadia*	5.83	5.00	5.42
106	SRX-2114	5.50	5.33	5.42
116	Champlain*	5.67	5.17	5.42
34	PST York Harbor	5.17	5.50	5.33
49	Casablanca*	5.17	5.50	5.33
122	Princeton 105*	5.67	5.00	5.33
149	Moon Shadow*	5.50	5.17	5.33
1	Midnight*	5.50	5.00	5.25
31	Brilliant*	5.33	5.17	5.25
32	PST-222	5.50	5.00	5.25
42	Arrow*	5.00	5.50	5.25
60	Misty*	5.83	4.67	5.25
76	A97-1409	5.50	5.00	5.25
77	A96-451	5.50	5.00	5.25
79	Allure*	5.17	5.33	5.25
99	Unknown	5.67	4.83	5.25
108	Diva*	5.50	5.00	5.25
126	Chicago II*	5.50	5.00	5.25
131	Courtyard*	5.33	5.17	5.25
161	BAR-Pp-0568	5.33	5.17	5.25
167	Baronie*	5.17	5.33	5.25
171	Blackstone*	5.83	4.67	5.25
15	Monte Carlo*	5.17	5.17	5.17
18	Wellington*	5.33	5.00	5.17
29	PST-161	5.83	4.50	5.17
37	Blue Ridge*	5.33	5.00	5.17
40	HV 238	5.50	4.83	5.17
44	Dynamo*	5.17	5.17	5.17
47	Blue-tastic*	5.00	5.33	5.17

Table 5. 2000 NTEP Kentucky Bluegrass Trial: Gray snow mold 2008 and 2009 ave†.

Entry Number†	Entry Name†	<i>Typhula incarnata†</i>		
		1.25 inch HOC	0.5 inch HOC	Average
52	PST-H6-150	5.17	5.17	5.17
53	Alpine*	5.00	5.33	5.17
68	Ba-83-113	5.50	4.83	5.17
70	Ba-84-140	5.17	5.17	5.17
74	CVB-20631	5.83	4.50	5.17
85	Blue Sapphire*	5.17	5.17	5.17
92	Sonoma*	5.33	5.00	5.17
112	Jefferson*	5.17	5.17	5.17
123	mpact*	5.67	4.67	5.17
153	PST-B3-170	5.33	5.00	5.17
156	Washington*	5.17	5.17	5.17
157	A96-742	5.50	4.83	5.17
160	BAR-Pp-0471	5.33	5.00	5.17
170	Moonlight*	5.50	4.83	5.17
24	Avalanche*	5.33	4.83	5.08
48	H92-203	5.00	5.17	5.08
51	PST-B4-246	5.17	5.00	5.08
57	Quantum leap*	5.50	4.67	5.08
61	Ascot*	5.17	5.00	5.08
84	Boutique*	5.50	4.67	5.08
86	NA-K992	5.33	4.83	5.08
118	Royce*	4.83	5.33	5.08
120	A98-365	5.17	5.00	5.08
140	Nu Destiny*	5.67	4.50	5.08
144	Award*	5.33	4.83	5.08
163	Bartitia*	5.33	4.83	5.08
165	Bariris*	5.50	4.67	5.08
11	Pp H 6366	5.00	5.00	5.00
13	Pp H 7832	5.33	4.67	5.00
22	Glenmont*	4.83	5.17	5.00
33	Midnight II*	5.17	4.83	5.00
35	Blacksburg II*	5.33	4.67	5.00
36	Mallard*	5.17	4.83	5.00
65	BH-00-6003	5.17	4.83	5.00
81	H92-558	5.17	4.83	5.00
93	Bordeaux*	5.00	5.00	5.00
100	Blue Knight*	5.50	4.50	5.00
129	Tsunami*	5.17	4.83	5.00
136	Awesome*	5.17	4.83	5.00
154	B4-128A	5.00	5.00	5.00
158	A97-857	5.00	5.00	5.00
168	Unique*	5.17	4.83	5.00
10	Cheetah*	5.17	4.67	4.92
12	Pp H 7929	5.00	4.83	4.92
45	B5-43	5.17	4.67	4.92

Table 5. 2000 NTEP Kentucky Bluegrass Trial: Gray snow mold 2008 and 2009 aveᄁ.

Entry Numberᄁ	Entry Nameᄁ	<i>Typhula incarnata</i> ᄁ		
		1.25 inch HOC	0.5 inch HOC	Average
64	Abbey*	5.00	4.83	4.92
66	Baronette*	4.83	5.00	4.92
71	Ba-82-288	4.83	5.00	4.92
91	SRX-27921	4.67	5.17	4.92
101	DLF-76-9032	4.67	5.17	4.92
104	DLF-96-9037	5.17	4.67	4.92
115	A98-183	5.00	4.83	4.92
139	EverGlade*	5.50	4.33	4.92
142	Beyond*	5.00	4.83	4.92
143	Rugby II*	5.33	4.50	4.92
155	Bluestone*	5.00	4.83	4.92
4	Limerick	4.83	4.83	4.83
23	Coventry*	4.50	5.17	4.83
28	Voyager II*	4.83	4.83	4.83
30	Bluemax*	4.83	4.83	4.83
41	Mercury*	5.17	4.50	4.83
50	B5-144	4.83	4.83	4.83
72	Chateau*	4.67	5.00	4.83
94	Cabernet*	5.00	4.67	4.83
95	Champagne*	5.00	4.67	4.83
97	Skye*	4.83	4.83	4.83
98	Jewel*	5.17	4.50	4.83
105	SI-A96-386	4.83	4.83	4.83
111	Mongoose*	4.83	4.83	4.83
128	Perfection*	5.00	4.67	4.83
134	Blue Velvet*	5.33	4.33	4.83
152	PST-H5-35	4.83	4.83	4.83
164	Baritone*	4.83	4.83	4.83
16	Royale*	4.67	4.83	4.75
17	Shamrock*	5.00	4.50	4.75
21	Lakeshore*	4.67	4.83	4.75
26	PST-604	5.00	4.50	4.75
58	Envicta*	5.17	4.33	4.75
62	BH-00-6002	4.50	5.00	4.75
63	Fairfax*	5.17	4.33	4.75
75	Chelsea*	5.00	4.50	4.75
80	A97-1330	4.50	5.00	4.75
83	Brooklawn*	4.83	4.67	4.75
90	SRX-26351	4.67	4.83	4.75
96	Durham*	5.00	4.50	4.75
103	DLF-96-9036	4.67	4.83	4.75
117	Goldstar*	4.83	4.67	4.75
130	Ginney*	5.17	4.33	4.75
133	J-2885	5.00	4.50	4.75
137	Excursion*	4.83	4.67	4.75

Table 5. 2000 NTEP Kentucky Bluegrass Trial: Gray snow mold 2008 and 2009 ave†.

Entry Number‡	Entry Name‡	<i>Typhula incarnata</i> †		
		1.25 inch HOC	0.5 inch HOC	Average
147	Liberator*	5.00	4.50	4.75
166	Barzan*	4.83	4.67	4.75
172	Rita*	5.00	4.50	4.75
8	Eagleton*	5.17	4.17	4.67
43	Moonshine*	4.67	4.67	4.67
46	B5-45	4.67	4.67	4.67
54	Pich 453	4.83	4.50	4.67
73	Ba-00-6001	4.50	4.83	4.67
82	Julia*	5.17	4.17	4.67
110	99AN-53	5.00	4.33	4.67
124	Total Eclipse*	5.33	4.00	4.67
135	Everest*	4.83	4.50	4.67
141	Barrister*	5.00	4.33	4.67
145	Rambo*	5.33	4.00	4.67
146	Freedom II*	4.83	4.50	4.67
151	A96-739	4.67	4.67	4.67
2	Baron*	5.00	4.17	4.58
3	Lily	4.33	4.83	4.58
5	Bodacious*	5.00	4.17	4.58
55	Rampart*	4.83	4.33	4.58
59	Goldrush*	4.67	4.50	4.58
67	Raven*	4.83	4.33	4.58
69	Marquis*	4.67	4.50	4.58
113	A98-407	4.83	4.33	4.58
114	A98-1028	4.33	4.83	4.58
132	Alexa*	5.00	4.17	4.58
148	G0-9LM9	4.67	4.50	4.58
7	Boomerang*	4.50	4.50	4.50
14	Pp H 7907	4.67	4.33	4.50
27	PST-108-79	4.33	4.67	4.50
9	HV 140	4.50	4.33	4.42
102	DLF-76-9034	4.33	4.50	4.42
119	A98-139	4.67	4.17	4.42
127	NuGlade*	4.83	4.00	4.42
173	North Star*	4.83	4.00	4.42
109	SRX-QG245	4.33	4.33	4.33
138	Freedom III*	4.33	4.33	4.33
121	Kenblue*	4.33	4.00	4.17
125	Odyssey*	4.17	4.17	4.17
LSD (0.05)§	—	0.76	0.85	0.59
Range	—	4.17 to 6.5	4.00 to 5.67	4.17 to 5.92

†1 to 9 scale, 9 = no disease.

‡See entry listing and plot plan for field trial location of corresponding entry.

§Any two cultivars that differ in value exceeding LSD are statistically significant.

*Commercially available in 2009.