

CREEPING BENTGRASS (*Agrostis stolonifera* 'L-93')
ANNUAL BLUEGRASS (*Poa annua*)
Dollar Spot; (*Sclerotinia homoeocarpa*)

J. Popko and G. Jung
Stockbridge School of Agriculture
University of Massachusetts
Amherst, MA 01003

Curative dollar spot control on a creeping bentgrass and annual bluegrass putting green, 2012.

This trial was conducted at the Joseph Troll Turf Research Center in South Deerfield, MA to evaluate fungicide treatments for curative control of dollar spot under natural disease conditions. The plot consisted of 90% creeping bentgrass and 10% annual bluegrass maintained under putting green conditions. Mowing was performed five times per week (0.156-inch cutting height) and clippings were collected. 19-3-19 fertilizer was applied at a rate of 0.5 lb nitrogen (N)/1,000 sq ft on 19 July. Tupersan 50WP was applied on 23 May to control crabgrass at a rate of 24 lb/A. Sevin SL was applied at a rate of 4.0 fl oz/1,000 sq ft on 6 Jul to control cutworms. The trial area was irrigated as needed to prevent drought stress. Individual plots measured 3 ft × 6 ft and were arranged in a randomized complete block design with three replications. Treatments were initiated on 1 Jun and continued through 29 Jun. All individual treatments were applied at a nozzle pressure of 40 psi using a CO₂-pressurized boom sprayer equipped with two XR TeeJet 8004VS nozzles in the equivalent of 2 gallons of water per 1,000 sq ft. Very high initial disease severity (200-300 infection centers per plot) was observed and dollar spot severity was rated by using a 1 to 9 rating scale (9=no dollar spot, 6=acceptable, less than 3% dollar spot). Ratings were initiated after the second application (15 Jun) and were conducted weekly. Area under the disease progress curve (AUDPC) was calculated for disease severity ratings using the formula $\sum[(y_i + y_{i+1})/2](t_{i+1} - t_i)$, where $i = 1, 2, 3, \dots, n-1$ and y_i is the amount of disease (severity rating) at the time t_i (days) of the i^{th} rating. All disease assessments were subject to an analysis of variance and treatment means were separated using Fisher's LSD test ($P < 0.05$).

A severe dollar spot outbreak (200-300 infections per plot) occurred in May and all treatments were applied curatively. Due to high initial dollar spot severity, three fungicide applications on a 14-day interval were required until acceptable recovery was observed. In summary, all DMI fungicides generally showed faster numerical recovery from dollar spot than other fungicide classes tested. Plots treated with Torque, Trinity and Triton numerically recovered better than the four other DMIs tested. Plots treated with a tank mix of a DMI fungicide + PAR recovered more quickly than plots treated with the DMI fungicide alone. Insignia demonstrated the best recovery of the four strobilurin fungicides tested. Acceptable recovery was observed in plots treated with Chipco 26GT on the 19 July rating date, but not in plots treated with Curalan. Trimmit provided no improved dollar spot recovery when tank-mixed with fungicides, except when tank-mixed with Spotrete or Daconil Action. Phytotoxicity was not observed during the course of the study.

Treatment and rate per 1,000 sq ft ^y	Dollar Spot Severity ^z				
	26 Jun	6 Jul	13 Jul	19 Jul	AUDPC ^x
Untreated	1.7 f ^w	3.7 d-g	2.7 f	1.0 i	60 l
Banner MAXX 1.3ME 1.0 fl oz	5.3 a-c	6.0 ab	5.3 a-c	6.0 a-e	130 a-f
Bayleton 50WSP 0.5 oz	5.7 ab	6.3 a	5.3 a-c	5.3 b-e	133 a-e
Tourney 50 WDG 0.18 oz	5.3 a-c	6.3 a	5.7 a-c	5.7 b-e	134 a-d
Torque 3.6SC 0.6 fl oz	5.7 ab	6.3 a	6.0 ab	7.0 ab	142 ab
Trinity 1.67SC 1.0 fl oz	5.3 a-c	6.3 a	6.7 a	7.0 ab	145 a
Triton Flo 3.05SC 0.6 fl oz	5.3 a-c	4.3 b-g	5.0 bc	7.0 ab	117 a-g
A9898A 0.83 fl oz	5.7 ab	6.0 ab	5.7 a-c	6.0 a-e	134 a-d
Trimmit 2SC 0.15 fl oz	4.0 b-e	4.0 c-g	4.7 b-d	4.3 e-g	97 g-i
Cutless 1.3MEC 0.15 fl oz	3.0 ef	4.0 c-g	4.7 b-d	1.0 i	82 h-l
Primo MAXX 1.0 ME 0.13 fl oz	4.0 b-e	4.7 a-f	2.7 f	1.3 hi	81 h-l
Chipco 26GT 2SC 3.0 fl oz	5.0 a-d	5.0 a-e	5.3 a-c	6.3 a-d	121 a-g
Curalan 50EG 1.0 oz	4.0 b-e	5.0 a-e	5.0 bc	5.0 c-e	110 c-h
3336 50WP 2.0 oz	4.0 b-e	4.7 a-f	4.3 c-e	4.7 d-f	102 f-i
Emerald 70 WG 0.18 oz	5.3 a-c	5.3 a-d	5.0 bc	5.3 b-e	121 a-g
Emerald 70 WG 0.18 oz + Daconil Ultrex 82.5WG 3.0 oz	4.3 b-e	5.3 a-d	5.3 a-c	6.0 a-e	120 a-g
Velista 50WDG 0.3 oz	5.0 a-d	5.0 a-e	4.7 b-d	5.0 c-e	120 a-g
Velista 50WDG 0.3 oz + Daconil Ultrex 82.5WG 3.0 oz	4.0 b-e	5.3 a-d	5.3 a-c	6.0 a-e	118 a-g
Daconil Ultrex 82.5WG 3.0 oz	4.0 b-e	5.0 a-e	5.0 bc	4.7 d-f	109 d-h
Spotrete 4F 3.0 fl oz	3.3 f-f	2.7 g	3.0 ef	1.0 i	62 l
Daconil Ultrex 82.5WG 3.0 oz + PAR SC 0.37 fl oz	4.3 b-e	4.7 a-f	5.0 bc	5.3 b-e	110 c-h
PAR SC 0.37 fl oz	4.3 b-e	4.0 c-g	2.7 f	1.0 i	76 i-l
Banner MAXX 1.3ME 1.0 fl oz + PAR SC 0.37 fl oz	5.3 a-c	5.7 a-c	5.7 a-c	7.0 ab	133 a-e
Tourney 50 WDG 0.18 oz + PAR SC 0.37 fl oz	5.3 a-c	6.0 ab	6.0 ab	7.7 a	140 a-c
Torque 3.6SC 0.6 fl oz + PAR SC 0.37 fl oz	5.0 a-d	5.7 a-c	5.3 a-c	7.0 ab	129 a-f
Curalan 50EG 1.0 oz + PAR SC 0.37 fl oz	3.3 d-f	4.7 a-f	5.7 a-c	5.7 b-e	110 c-h
Velista 50WDG 0.3 oz + PAR SC 0.37 fl oz	5.0 a-d	4.7 a-f	5.3 a-c	5.3 b-e	115 a-g
Chipco 26GT 2SC 3.0 fl oz + Trimmit 2SC 0.15 fl oz	3.7 c-e	5.3 a-d	4.3 c-e	5.0 c-e	107 d-h
Curalan 50EG 1.0 oz + Trimmit 2SC 0.15 fl oz	4.3 b-e	4.7 a-f	5.0 bc	5.3 b-e	110 c-h
Velista 50WDG 0.3 oz + Trimmit 2SC 0.15 fl oz	4.3 b-e	5.0 a-e	5.3 a-c	6.3 a-d	118 a-g
Emerald 70 WG 0.18 oz + Trimmit 2SC 0.15 fl oz	5.0 a-d	5.0 a-e	4.7 b-d	5.3 b-e	114 b-g
Daconil Ultrex 82.5WG 3.0 oz + Trimmit 2SC 0.15 fl oz	4.3 b-e	4.7 a-f	5.0 bc	4.3 e-g	107 d-h
Spotrete 4F 3.0 fl oz + Trimmit 2SC 0.15 fl oz	4.3 b-e	4.0 c-g	4.7 b-d	2.7 g-i	94 g-k
Daconil Action 6.11SC 2.0 fl oz + Trimmit 2SC 0.15 fl oz	5.0 a-d	5.0 a-e	5.3 a-c	6.0 a-e	120 a-g
Daconil Action 6.11SC 2.0 fl oz	3.0 ef	5.0 a-e	4.3 c-e	3.0 f-h	95 g-k
Velista 50WDG 0.3 oz + Heritage 50WG 0.2 oz	5.0 a-d	3.7 d-g	5.0 bc	5.0 c-e	104 e-i
Velista 50WDG 0.3 oz + Insignia 2.08SC 0.7 fl oz	3.7 c-e	5.3 a-d	5.3 a-c	6.7 a-c	118 a-g
Velista 50WDG 0.3 oz + Disarm 4.0SC 0.18 fl oz	4.0 b-e	4.3 b-g	4.7 b-d	5.3 b-e	103 e-i
Velista 50WDG 0.3 oz + Compass 50WG 0.15 oz	4.3 b-e	4.7 a-f	5.0 bc	5.7 b-e	111 c-h
Honor 28WG 0.83 oz	4.7 a-e	5.0 a-e	5.0 bc	6.3 a-d	117 a-g
Heritage 50WG 0.2 oz	3.3 d-f	3.0 fg	3.3 d-f	1.0 i	67 j-l
Insignia 2.08SC 0.7 fl oz	3.7 c-e	5.0 a-e	5.0 bc	5.3 b-e	109 d-h
Disarm 4.0SC 0.18 fl oz	3.0 ef	4.0 c-g	6.0 ab	2.7 g-i	96 g-j
Compass 50WG 0.15 oz	3.0 ef	3.3 e-g	3.0 ef	1.0 i	66 kl
17-0-17 1 lb. Nitrogen ^v	3.0 ef	3.7 d-g	2.7 f	1.0 i	67 j-l

^z 1 to 9 rating scale (9=best, 6=acceptable) was used and reported as a mean of 3 replications.

^y All treatments were applied on 1 Jun, 15 Jun and 29 Jun.

^x Area under the disease progress curve values were reported as the mean of 3 replications.

^w Means followed by the same letter are not significantly different according to Fisher's protected least significant difference test ($\alpha = 0.05$).

^v Only applied on 1 Jun.

CREEPING BENTGRASS (*Agrostis stolonifera*)
ANNUAL BLUEGRASS (*Poa annua*)
Gray Snow Mold; *Typhula incarnata*, *T. ishkariensis*
Microdochium Patch; *Microdochium nivale*
Turf Quality; Abiotic

J. Popko, and G. Jung
Stockbridge School of Agriculture
University of Massachusetts
Amherst, MA 01003

Snow mold control on a creeping bentgrass, annual bluegrass fairway, 2012-2013.

This evaluation was conducted at Glens Falls Country Club in Queensbury, NY on an annual bluegrass (*Poa annua*), creeping bentgrass (*Agrostis stolonifera*) fairway maintained at 0.5-inch mowing height. Individual plots measured 3 ft x 6 ft (18 ft²) and were arranged in a randomized complete block design with four replications. Fungicides were applied based on labeled or suggested rates. Individual treatments were applied at a nozzle pressure of 40 p.s.i using a CO₂ pressurized boom sprayer equipped with two XR Teejet 8004 VS nozzles. All fungicides were agitated by hand and applied in the equivalent of 2 gallons of water per 1000 ft². All fungicide treatments were applied on 7 Nov 2012. Phytotoxicity ratings were taken in the fall at three time points and again in the spring and were assessed on a 0-5 scale (0 = no damage and 5 = complete death). Snow mold severity (caused by *T. incarnata*, *T. ishkariensis*, and *M. nivale*) was visually assessed as percent snow mold symptoms per plot and turfgrass quality was assessed on a 1-9 scale with 6 being acceptable on 18 Mar 2013. Data was subject to an analysis of variance and means were separated using Fisher's protected least significant difference.

Phytotoxicity ratings were taken in the fall at three time points. Overall, mild phytotoxicity (ratings ranging from 1-3) was observed in select treatments and was most commonly associated with treatments that included Turfcide. A dose response was observed as Turfcide rates increased and resulted in higher phytotoxicity. The addition of Foursome (0.5 fl oz/1,000 ft²) to Turfcide (8 fl oz/1,000 ft²) reduced phytotoxicity in fall evaluations.

Snow cover persisted on the experimental plot from late December until mid-March (approximately 70 days) and moderate disease severity (18%) was observed within untreated plots. Majority of the snow mold damage was caused by Typhula blight (*T. incarnata*). Most treatments provided significantly better control than the untreated, with the exception of 11 out of the 59 treatments. All treatments that included multiple active ingredients controlled snow mold well ($\leq 5\%$). The turf pigments Par and Foursome and fertilizer Phosphite 30 did not provide snow mold control. Similar to fall ratings, treatments that included Turfcide were associated with mild phytotoxicity and lower turf quality. Treatments that included the turfgrass pigment Foursome (0.5 fl oz/1,000 ft²) with Turfcide reduced phytotoxicity and improved turf quality. In general, treatments that included a turfgrass pigment or fungicides that contain green color showed better turf quality and reduced or no phytotoxicity.

Table 1. Glens Falls Country Club 2012 Fall Phytotoxicity^z ratings.

Treatment and rate per 1,000 ft ²	10 Nov	14 Nov	28 Nov
1 Untreated.....	0.0 e ^y	0.5 e-g	0.0 g
2 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.55 fl oz	0.0 e	0.0 g	0.0 g
3 Exp A.....	0.0 e	0.0 g	0.0 g
4 Interface 2.27SC 4.0 fl oz + Triton Flo 3.05SC 0.55 fl oz	0.0 e	0.0 g	0.0 g
5 Tartan 2.4SC 1.0 fl oz + Interface 2.27SC 3.0 fl oz	0.0 e	0.0 g	0.0 g
6 Instrata 3.6SE 7.0 fl oz.....	0.3 de	0.3 fg	0.0 g
7 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.5 fl oz	0.0 e	0.0 g	0.0 g
8 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.75 fl oz	0.0 e	0.0 g	0.0 g
9 Exp B.....	0.0 e	0.0 g	0.0 g
10 Exp C.....	0.0 e	0.0 g	0.0 g
11 Exp D.....	0.0 e	0.0 g	0.0 g
12 Exp E.....	0.0 e	0.0 g	0.0 g
13 Exp F.....	0.0 e	0.0 g	0.0 g
14 Exp G.....	0.0 e	0.0 g	0.0 g
15 Exp H.....	0.0 e	0.0 g	0.0 g
16 Instrata 3.6SE 9.4 fl oz + Par 0.37SC 0.36 fl oz	0.0 e	0.0 g	0.0 g
17 Banner MAXX II 1.3ME 2.0 fl oz + Par 0.37SC 0.36 fl oz.....	0.0 e	0.0 g	0.0 g
18 QP TM/C 66.6WG 6.0 fl oz + QP Ipro 2SE 4.0 fl oz + QP Propiconazole 1.3SC 2.0 fl oz + Foursome 0.50 fl oz	0.0 e	0.0 g	0.0 g
19 QP TM/C 66.6WG 6.0 fl oz + QP Ipro 2SE 4.0 fl oz + QP Tebuconazole 3.6SC 0.6 fl oz + Foursome 0.5 fl oz.....	0.0 e	0.0 g	0.0 g
20 QP Ipro 2SE 4.0 fl oz + QP Tebuconazole 3.6SC 1.1 fl oz + Foursome 0.5 fl oz.....	0.0 e	0.0 g	0.0 g
21 Enclave 5.3F 8.0 fl oz + Foursome 0.5 fl oz.....	0.0 e	0.0 g	0.0 g
22 Torque 3.6SC 0.9 fl oz + 26/36 4F 4.0 fl oz + Spectro 90WDG 3.67 fl oz...	1.0 ab	0.5 e-g	0.3 g
23 Exp I.....	1.0 ab	0.0 g	0.0 g
24 Plant Food Phosphite 30 6.0 fl oz	0.3 de	0.3 fg	0.3 g
25 Echo Dyad ETQ 4.0 fl oz + Eclipse ETQ 4.0 fl oz + Clearscape ETQ 1.2 fl oz.....	0.0 e	0.0 g	0.0 g
26 Echo Dyad ETQ 4.0 fl oz + E-Scape ETQ 2.6 fl oz	0.5 cd	0.0 g	0.0 g
27 E-Scape ETQ 2.6 fl oz.....	0.3 de	0.5 e-g	0.0 g
28 Turfcide 400 4F 8.0 fl oz	0.0 e	1.0 c-e	1.5 cd
29 Turfcide 400 4F 12.0 fl oz	1.0 ab	0.8 d-f	1.8 bc
30 Turfcide 400 4F 16.0 fl oz	1.0 ab	1.5 bc	2.0 b
31 Turfcide 400 4F 32.0 fl oz	1.0 ab	2.5 a	3.0 a
32 Exp J.....	0.8 bc	0.8 d-f	1.3 de
33 Exp K.....	0.5 cd	1.5 bc	1.0 ef
34 Exp L.....	1.0 ab	1.3 cd	1.5 cd
35 Exp M.....	1.0 ab	1.3 cd	1.8 bc
36 Exp N.....	1.0 ab	0.5 e-g	0.3 g
37 Exp O.....	0.8 bc	1.0 c-e	1.8 bc
38 Exp P.....	0.8 bc	1.0 c-e	1.0 ef
39 Banner MAXX II 1.3ME 2.0 fl oz	0.5 cd	0.8 d-f	0.3 g
40 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 8.0 fl oz	1.3 a	1.5 bc	1.5 cd
41 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 12.0 fl oz	0.3 de	1.3 cd	2.0 b
42 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 16.0 fl oz	0.8 bc	2.0 ab	2.0 b
43 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 8.0 fl oz + Daconil Ultrax 82.5WG 3.2 fl oz	1.0 ab	1.0 c-e	0.8 f

^z Phytotoxicity was rated using a 0 to 5 scale (0=no damage, 5=complete death) and was reported as a mean of 4 replications.

^y Means followed by the same letter are not significantly different according to Fisher's protected least significant difference test ($\alpha = 0.05$).

Table 1 cont. Glens Falls Country Club 2012 Fall Phytotoxicity^z ratings.

Treatment and rate per 1,000 ft ²	10 Nov	14 Nov	28 Nov
44 Daconil Ultrex 82.5WG 3.2 fl oz	0.8 bc ^y	0.8 d-f	0.3 g
45 Instrata 3.6SE 7.0 fl oz + Turfcide 400 4F 8.0 fl oz.....	0.8 bc	1.5 bc	1.5 cd
46 Interface 2.27SC 3.0 fl oz + Turfcide 400 4F 8.0 fl oz	0.0 e	0.0 g	0.3 g
47 Interface 2.27SC 3.0 fl oz + Triton FLO 3.05SC 0.75 fl oz + Turfcide 400 4F 8.0 fl oz.....	0.0 e	0.0 g	0.0 g
48 Interface 2.27SC 6.0 fl oz.....	0.5 cd	0.0 g	0.0 g
49 Triton FLO 3.05SC 0.75 fl oz	0.3 de	0.3 fg	0.3 g
50 Exp Q	0.8 bc	0.8 d-f	0.8 f
51 Exp R.....	0.0 e	0.0 g	0.0 g
52 Foursome 0.5 fl oz.....	0.0 e	0.3 fg	0.0 g
53 Par SC 0.36 fl oz	0.0 e	0.0 g	0.3 g
54 Turfcide 400 4F 8.0 fl oz + Foursome 0.5 fl oz	0.0 e	0.0 g	0.0 g
55 Turfcide 400 4F 8.0 fl oz + Pentathlon 75DF 10.0 fl oz + Foursome 0.5 fl oz.....	0.0 e	0.0 g	0.0 g
56 Turfcide 400 4F 8.0 fl oz + Pentathlon 75DF 10.0 fl oz	0.8 bc	0.8 d-f	1.5 cd
57 Turfcide 400 4F 8.0 fl oz + Secure 4.17SC 0.5 fl oz.....	0.5 cd	1.5 bc	1.8 bc
58 Turfcide 400 4F 8.0 fl oz + Compass 50WG 0.3 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz	0.3 de	0.0 g	0.0 g
59 Turfcide 400 4F 8.0 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz.....	0.0 e	0.0 g	0.0 g
60 Daconil Weatherstik 6.0SC 5.5 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz	0.0 e	0.0 g	0.0 g

^z Phytotoxicity was rated using a 0 to 5 scale (0=no damage, 5=complete death) and was reported as a mean of 4 replications.

^y Means followed by the same letter are not significantly different according to Fisher's protected least significant difference test ($\alpha = 0.05$).

Table 2. Glens Falls Country Club 2013 spring ratings.

Treatment and rate per 1,000 ft ²	Snow Mold ^z	Turf Quality ^y	Phyto-toxicity ^x
1 Untreated.....	18 a-c ^w	4.5 ij	0.0 g
2 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.55 fl oz	0 d	7.8 ab	0.0 g
3 Exp A.....	24 a	4.8 h-j	0.0 g
4 Interface 2.27SC 4.0 fl oz + Triton Flo 3.05SC 0.55 fl oz	0 d	7.8 ab	0.0 g
5 Tartan 2.4SC 1.0 fl oz + Interface 2.27SC 3.0 fl oz	0 d	8.0 a	0.0 g
6 Instrata 3.6SE 7.0 fl oz.....	0 d	5.8 e-h	0.5 e-g
7 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.5 fl oz	0 d	8.0 a	0.0 g
8 Interface 2.27SC 3.0 fl oz + Triton Flo 3.05SC 0.75 fl oz	0 d	8.0 a	0.0 g
9 Exp B.....	2 d	7.0 a-d	0.0 g
10 Exp C.....	1 d	7.5 ab	0.0 g
11 Exp D.....	0 d	7.5 ab	0.0 g
12 Exp E.....	24 a	4.3 j	0.0 g
13 Exp F.....	0 d	7.8 ab	0.0 g
14 Exp G.....	0 d	8.0 a	0.0 g
15 Exp H.....	0 d	8.0 a	0.0 g
16 Instrata 3.6SE 9.4 fl oz + Par 0.37SC 0.36 fl oz	0 d	7.5 ab	0.0 g
17 Banner MAXX II 1.3ME 2.0 fl oz + Par 0.37SC 0.36 fl oz.....	10 b-d	6.8 b-e	0.0 g
18 QP TM/C 66.6WG 6.0 fl oz + QP Ipro 2SE 4.0 fl oz + QP Propiconazole 1.3SC 2.0 fl oz + Foursome 0.50 fl oz	0 d	8.0 a	0.0 g
19 QP TM/C 66.6WG 6.0 fl oz + QP Ipro 2SE 4.0 fl oz + QP Tebuconazole 3.6SC 0.6 fl oz + Foursome 0.5 fl oz.....	0 d	8.0 a	0.0 g
20 QP Ipro 2SE 4.0 fl oz + QP Tebuconazole 3.6SC 1.1 fl oz + Foursome 0.5 fl oz.....	0 d	8.0 a	0.0 g
21 Enclave 5.3F 8.0 fl oz + Foursome 0.5 fl oz.....	0 d	8.0 a	0.0 g
22 Torque 3.6SC 0.9 fl oz + 26/36 4F 4.0 fl oz + Spectro 90WDG 3.67 fl oz ...	0 d	7.8 ab	0.0 g
23 Exp I.....	19 ab	4.3 j	0.0 g
24 Plant Food Phosphite 30 6.0 fl oz	24 a	4.3 j	0.0 g
25 Echo Dyad ETQ 4.0 fl oz + Eclipse ETQ 4.0 fl oz + Clearscape ETQ 1.2 fl oz.....	0 d	6.8 b-e	0.0 g
26 Echo Dyad ETQ 4.0 fl oz + E-Scape ETQ 2.6 fl oz	0 d	7.3 a-c	0.0 g
27 E-Scape ETQ 2.6 fl oz.....	0 d	7.8 ab	0.0 g
28 Turfcide 400 4F 8.0 fl oz	9 cd	4.5 ij	1.3 b-d
29 Turfcide 400 4F 12.0 fl oz	8 cd	4.5 ij	1.8 ab
30 Turfcide 400 4F 16.0 fl oz	1 d	5.3 f-j	1.8 ab
31 Turfcide 400 4F 32.0 fl oz	0 d	5.0 g-j	2.0 a
32 Exp J.....	7 d	4.5 ij	1.3 b-d
33 Exp K.....	6 d	5.3 f-j	1.0 c-e
34 Exp L.....	10 b-d	4.8 h-j	1.0 c-e
35 Exp M.....	5 d	5.0 g-j	1.3 b-d
36 Exp N.....	9 cd	5.5 f-i	0.5 e-g
37 Exp O.....	1 d	5.5 f-i	1.3 b-d
38 Exp P.....	2 d	5.8 e-h	0.3 fg
39 Banner MAXX II 1.3ME 2.0 fl oz	5 d	5.5 f-i	0.3 fg
40 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 8.0 fl oz	5 d	4.5 ij	1.3 b-d
41 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 12.0 fl oz	2 d	5.0 g-j	1.8 ab
42 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 16.0 fl oz	0 d	5.0 g-j	1.8 ab
43 Banner MAXX II 1.3ME 2.0 fl oz + Turfcide 400 4F 8.0 fl oz + Daconil Ultrex 82.5WG 3.2 fl oz	0 d	5.5 f-i	1.5 a-c

^z Percentage of plot area exhibiting snow mold symptoms (blighted patches of turfgrass) was reported as the mean of 4 replications.

^y Turf quality was rated using a 1 to 9 scale (9=best, 6=acceptable) based on color and uniformity and was reported as the mean of 4 replications.

^x Phytotoxicity was rated using a 0 to 5 scale (0=no damage, 5=complete death) and was reported as a mean of 4 replications.

^w Means followed by the same letter are not significantly different according to Fisher's protected least significant difference test ($\alpha = 0.05$).

Table 2 cont. Glens Falls Country Club 2013 spring ratings.

Treatment and rate per 1,000 ft ²	Snow Mold ^z	Turf Quality ^y	Phyto-toxicity ^x
44 Daconil Ultrex 82.5WG 3.2 fl oz	5 d ^w	5.0 g-j	0.8 d-f
45 Instrata 3.6SE 7.0 fl oz + Turfcide 400 4F 8.0 fl oz.....	0 d	5.0 g-j	2.0 a
46 Interface 2.27SC 3.0 fl oz + Turfcide 400 4F 8.0 fl oz	1 d	6.3 c-f	0.0 g
47 Interface 2.27SC 3.0 fl oz + Triton FLO 3.05SC 0.75 fl oz + Turfcide 400 4F 8.0 fl oz.....	0 d	7.8 ab	0.0 g
48 Interface 2.27SC 6.0 fl oz.....	2 d	7.0 a-d	0.0 g
49 Triton FLO 3.05SC 0.75 fl oz	0 d	7.3 a-c	0.0 g
50 Exp Q	0 d	5.3 f-j	1.8 ab
51 Exp R.....	2 d	6.8 b-e	0.0 g
52 Foursome 0.5 fl oz.....	18 a-c	4.8 h-j	0.0 g
53 Par SC 0.36 fl oz	18 a-c	5.5 f-i	0.0 g
54 Turfcide 400 4F 8.0 fl oz + Foursome 0.5 fl oz	2 d	6.0 d-g	0.0 g
55 Turfcide 400 4F 8.0 fl oz + Pentathlon 75DF 10.0 fl oz + Foursome 0.5 fl oz.....	5 d	5.8 e-h	0.3 fg
56 Turfcide 400 4F 8.0 fl oz + Pentathlon 75DF 10.0 fl oz	4 d	5.3 f-j	0.8 d-f
57 Turfcide 400 4F 8.0 fl oz + Secure 4.17SC 0.5 fl oz.....	0 d	5.0 g-j	2.0 a
58 Turfcide 400 4F 8.0 fl oz + Compass 50WG 0.3 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz	0 d	7.0 a-d	0.3 fg
59 Turfcide 400 4F 8.0 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz	0 d	7.0 a-d	0.0 g
60 Daconil Weatherstik 6.0SC 5.5 fl oz + Banner MAXX II 1.3ME 2.0 fl oz + Foursome 0.5 fl oz.....	1 d	7.3 a-c	0.0 g

^z Percentage of plot area exhibiting snow mold symptoms (blighted patches of turfgrass) was reported as the mean of 4 replications.

^y Turf quality was rated using a 1 to 9 scale (9=best, 6=acceptable) based on color and uniformity and was reported as the mean of 4 replications.

^x Phytotoxicity was rated using a 0 to 5 scale (0=no damage, 5=complete death) and was reported as a mean of 4 replications.

^w Means followed by the same letter are not significantly different according to Fisher's protected least significant difference test ($\alpha = 0.05$).