

TURFGRASS DISEASE MANAGEMENT REPORT 1995-96
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I. Snow Mold Fungicide Studies - 1995-96

Studies A & B

The snow mold fungicide studies were conducted during the fall and winter of 1995-96. The study was established at the Tree Tops/Sylvan Resort in Gaylord, MI. Treatments were applied preventively to three replicate 6' x 9' plots on bentgrass fairways mowed at ½". The treatments were applied on November 6, 1995. Liquid treatments were applied with a CO₂ sprayer at 32 PSI and 48 GPA utilizing 8002E flat fan nozzles. Granular treatments were pre-weighted and hand-applied.

The study was rated on April 18, 1996, immediately following snow cover melt-off. The predominant snow mold species was gray snow mold (*Typhula ishikariensis*). As the data indicates, disease pressure was moderate this year, with approximately 60% infection in the controls (Table 1). Under these moderate disease conditions, most treatments gave statistically significant control of snow mold, compared to the untreated controls. Effective treatments include all the standard snow molds products (Scotts F + F II, Calo Clor, Turfcide 400, Daconil 27887 + Chipco 26019, etc.) as well as many untraditional and experimental treatments (Fore, Heritage, IB 10222, UBI 4121, etc). No phytotoxicity was observed except for severe yellowing in the Calo Clor plots, as reflected in the quality ratings (Table 1).

**Table 1. Snow Mold Fungicide Study - 1995-96 at
Tree Tops/Sylvan Resort, Gaylord, Mi**

Rating Scale: Percent plot area infected by gray snow mold (*Typhula ishikariensis*). Quality rating: (5) = best, (0) = worst.

Rating Date: April 17, 1996

Treatment	Rate ^b /1000 ft ²	Ie	II	III	AVG (TUKEYS) ^a
Calo Clor	3 oz	0(2)	0(2)	0(3)	0 A
Heritage + Banner	0.4 oz + 4 fl oz	0(5)	0(5)	0(5)	0 A
IB 11924	8 fl oz	0(5)	9(5)	0(5)	0 A
Ch. 26019 FLO + Dac. 2787	8 fl oz + 8 fl oz	0(5)	0.5(5)	0(5)	0.17 A
Turfcide 400	12 fl oz	0(4)	0.5(4)	0(5)	0.17 A
Turfcide 400 + Dac. 2787	8 fl oz + 8 fl oz	0.5(4)	0(5)	0(5)	0.17 A
Heritage + Fluazinam 500	0.4 oz + 2.5 fl oz	0(5)	0(5)	0.5(5)	0.17 A
Fluazinam 500 + PCNB	1.5 fl oz + 4 oz	1(4)	0(5)	0(5)	0.33 A
UBI 4121	160 oz	0.5(4)	0.5(4)	0(5)	0.33 A
Turfcide 400 + Heritage	8 fl oz + 0.7 oz	0(5)	0.5(5)	0.5(5)	0.33 A
Ch. 26019 FLO + Terraclor	4 fl oz + 8 oz	0.5(4)	0.5(4)	0(5)	0.33 A
Eagle + Fore (WP)	1.2 oz + 6 oz	0.5(5)	0(5)	0.5(5)	0.33 A
Banner MAXX + Medallionc	4 fl oz + 0.5 oz	0.5(4)	0.5(5)	0(5)	0.33 A
Heritage + Terraclor	0.4 oz + 8 oz	0.5(5)	1(5)	0(5)	0.5 A
IB 11521 + Ch. 26109 FLO	8 fl oz + 4 fl oz	1(5)	0.5(5)	0(5)	0.5 A
Turfcide 400 + Spotrete	8 fl oz + 6 oz	0.5(4)	0.5(5)	0.5(5)	0.5 A
Turfcide 400	8 fl oz	0.5(4)	0.5(5)	0.5(5)	0.5 A
IB 10222 + Ch. 26019 FLO	6 oz + 4 fl oz	0.5(5)	0.5(5)	0.5(5)	0.5 A
Heritage + Rubigan	0.4 oz + 8 fl oz	0.5(5)	0.5(5)	0.5(5)	0.5 A
Rizolex	4 oz	0.5(5)	1(5)	0.5(5)	0.7 A

cont.

Table 1. cont.

Treatment	Rate ^b /1000 ft ²	Ie	II	III	AVG (TUKEYS) ^a
Ch. 26019 FLO + Dac. 2787	4 fl oz + 8 fl oz	0.5(5)	0.5(5)	1(5)	0.7 A
Ch. 26019 FLO + Dac. Ultrex	4 fl oz + 4.8 oz	0.5(5)	0.5(5)	1(5)	0.7 A
Turfcide 400 + Prostar	8 fl oz + 4 oz	1(4)	1(5)	0(5)	0.7 A
Sentinel + Rizolex	0.33 oz + 4 oz	1(5)	1(5)	0.5(5)	0.8 A
Fluazinam 500	1 fl oz	1(5)	0.5(5)	1(5)	0.8 A
Turfcide 400c	12 fl oz	0.5(4)	0.5(4)	2(5)	1.0 A
Eagle + Fore (WP)	1.8 + 6 oz	0.5(5)	2(5)	0.5(5)	1.0 A
Heritage + Terraclor	0.7 oz + 8 oz	1(5)	2(5)	0.5(5)	1.2 A
RH - 0611	8 oz	3(5)	1(5)	1(5)	1.7 A
Banner MAXX + Turfcide 400c	4 fl oz + 9 fl oz	5(3)	0(4)	0(5)	1.7 A
Dac. 2787 + Cl. 3336	8 fl oz + 2 oz	5(5)	0(5)	0.5(5)	1.8 A
Ch. 26019 FLO + PCNB + Dac. 2787	4 fl oz + 4 oz + 8 fl oz	5(5)	0.5(5)	0(5)	1.8 A
Calo Gran	6 lbs.	3(3)	0.5(3)	2(4)	1.8 A
Turfcide 15G	107 oz	5(4)	0.5(5)	0(5)	1.8 A
TOF 020795-5	8 oz	0.5(4)	5(5)	0(5)	1.8 A
Eagle + Fore (WP)	0.6 oz + 6 oz	2(5)	3(5)	0.5(5)	1.8 A
Terraclor	8 oz	3(5)	3(5)	0(5)	2.0 A
Aliette + Fore (F) + Dac. Ultrex d	4 oz + 8 fl oz + 4.8 oz	5(5)	0.5(5)	1(5)	2.2 A
Dac. 2787	6 fl oz	3(5)	3(5)	0.5(5)	2.2 A
Dac. 2787 + PCNB	8 fl oz + 4 oz	7(5)	3(5)	0(5)	3.3 AB
Fore (WP)	8 oz	2(5)	10(5)	0.5(5)	4.2 AB
Aliette + Fore (F)d	4 oz + 8 fl oz	10(5)	2(5)	1(5)	4.3 AB
Heritage	0.7 oz	10(5)	1(5)	5(5)	5.3 ABC
Aliette + Fore (F) + Ch. 26019 FLOd	4 oz + 8 fl oz + 4 fl oz	3(5)	0.5(5)	20(5)	7.8 ABC
Scts. F + F II	2X	20(4)	7(5)	0.5(5)	9.2 ABC
Ch. 26910 FLO + Prostar	4 fl oz + 6 oz	10(4)	2(4)	20(4)	10.7 ABC
Eagle	1.8 oz	25(4)	7(4)	0(5)	10.7 ABC
Turfcide 10G	160 oz	15(4)	20(5)	3(5)	12.7 ABC
Heritage	0.4 oz	35(5)	10(5)	0.5(5)	15.2 ABC
Banner MAXXc	4 fl oz	45(4)	5(5)	15(5)	21.7 A-D
Heritage + Fungo 85	0.4 oz + 2.4 oz	40(5)	25(5)	10(5)	25.0 A-D
Ch. 26019 (WP)	2 oz	40(4)	25(5)	20(5)	28.3 A-D
PX-293	1 lb	80(4)	15(5)	2(5)	32.5 A-E
V-10028	27.33 gm	35(5)	25(5)	40(5)	33.3 A-E
V-10028	54.7 gm	25(5)	35(5)	40(5)	33.3 A-E
Eagle	1.2 oz	20(5)	55(5)	35(5)	36.7 A-E
Eagle	0.6 oz	65(1)	35(4)	15(4)	38.3 A-E
PX-293	0.5 lb	65(4)	25(5)	35(5)	41.7 B-E
PX-293	0.75 lb	80(4)	30(5)	20(5)	43.3 CDE
Control	----	85(1)	80(4)	15(5)	60.0 DE
Vig. 7-0-0-8	10 lbs.	80(3)	80(4)	50(5)	70.0 E

aTreatments followed by the same letter are not significantly different from each other at the 5% level (Tukey's Honestly Significant Differences Test).

bRates are formulation

cApplied in a spray volume of 5 gallons/1000 ft²

dLatron CS-7 added at 0.5 oz/gallon spray volume as a compatibility agent.

eRatings in parentheses indicate turf quality, based primarily on turf color.