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The 1980 and 1981 Symposia dealing with sand were natural lead-ins to the 1982 subject. Improved root zone mixtures or soilless growing media on putting greens and tees do have beneficial effects on root systems. This mechanical aid is not the only factor in strong root development, however.

The fine group of speakers assembled this year will present the other factors that regulate root development and permance. They involve plant diseases, water management, genetic manipulation and general soil management. You will see roots grow via a time-lapse movie and will be able to discuss day to day problems in this area.

Plenty of discussion and question time has been built into the program to assure *you* adequate time to talk about special problems on your golf courses.

THE PLACE

The Pfister Hotel is in downtown Milwaukee at 424 East Wisconsin Avenue. Adjoining, sheltered parking is available in the hotel garage, entrance on Mason Street, one block north of Wisconsin Avenue. Limousine service is available from the airport.

SPECIAL NOTES

1. Make your room reservation by October 13, using the card enclosed. There will be other groups at the hotel and our rooms are held only until this date.
2. Let *us* know if you're coming by filling in the other card, putting on a postage stamp, and mailing it to us. Food guarantees are strict and we must give the count five (5) days in advance. **Don't forget to place a postage stamp on each card.**

THE REGISTRATION FEE

Your registration fee (\$40.00) includes lunch, two cocktails and refreshments served Wednesday afternoon, coffee at the breaks and the Great Getaway on Thursday.

EXTRA SPECIAL

Remember that any funds in excess of expenses are contributed by the Wisconsin Golf Course Superintendents Association to the O.J. Noer Research Foundation.

INFORMATION

For further information, contact any Association member or Bob Welch, Milwaukee Metropolitan Sewerage District, 735 North Water Street, Milwaukee, Wisconsin 53202. Telephone: (414) 225-2222.

17th Annual
WISCONSIN GOLF TURF SYMPOSIUM

October 27-28, 1982

Pfister Hotel

Milwaukee, Wisconsin

October 27, 1982

Wednesday Morning

8:00 A.M. Registration and Coffee
 — South Corridor, Seventh Floor

9:00 A.M. Welcome
 Jim Belfield, Tripoli Country
 Club, Milwaukee, Wisconsin
 President, Wisconsin Golf
 Course Superintendents
 Association

Keynot Address
**ROOTING PATTERNS IN
 KENTUCKY BLUEGRASS
 AND POA ANNUA:**

A time-laps movie.
 Dr. Keith Karnok
 Ohio State University

10:15 A.M. Short Break

10:30 A.M. **INFLUENCE OF PLANT**

October 27, 1982

Wednesday, Afternoon

SECOND SESSION

Chairman — Bill Roberts

2:00 P.M. **IRRIGATION PRACTICES TO
 ENHANCE ROOT GROWTH
 AND TO CONSERVE WATER.**

Dick Nugent
 Killian & Nugent Golf
 Course Architects

2:45 P.M. **ROOT DEVELOPMENT AND
 MAINTENANCE AS
 AFFECTED BY WETTING
 AGENTS.**

Bob Moore
 Aquatrols of America

11:15 A.M. Questions and Discussion
 — Morning Speakers

11:30 A.M. Freshening Period (Cash Bar)

12:00 NOON Luncheon

12:45 P.M. Introductions and
 Announcements
 James M. Latham, Chairman
 Symposium Committee

1:00 P.M. Special Guest Speaker
 Jim Brooks
 Harvesting Publishing
 Company

**DISEASES AND RELATED
 FACTORS ON TURFGRASS
 ROOT SYSTEMS.**

Dr. Clinton Hodges
 Iowa State University

3:30 P.M. Break

3:45 P.M.

**MAINTENANCE PRACTICES
 TO MAKE THE MOST OUT
 OF WHAT YOU HAVE.**

Tony Grasso
 Metro Milorganite, Inc.

4:30 P.M.

Questions and Discussion
 — Afternoon Speakers

4:45 P.M.

Cocktails and Conversation
 — **KINGS ROW**

October 28, 1982

Thursday Morning

THIRD SESSION

Chairman — Bruce Worzella

9:00 A.M. **BREEDING TURFGRASSES
 FOR BETTER ROOTING
 POTENTIAL.**

Howard Kaerwer
 Northrup-King, Inc.

10:45 A.M.

Questions and Discussion
 — Morning Speakers

11:00 A.M.

General Discussion
 — All Speakers

9:45 A.M. Break

Suggestions for 1983
 Symposium Topic

10:00 A.M. **TURFGRASS ROOTING IN
 THE UPPER MIDWEST —
 SUCCESSES AND FAILURES.**

Stan Zontek
 USGA Green Section

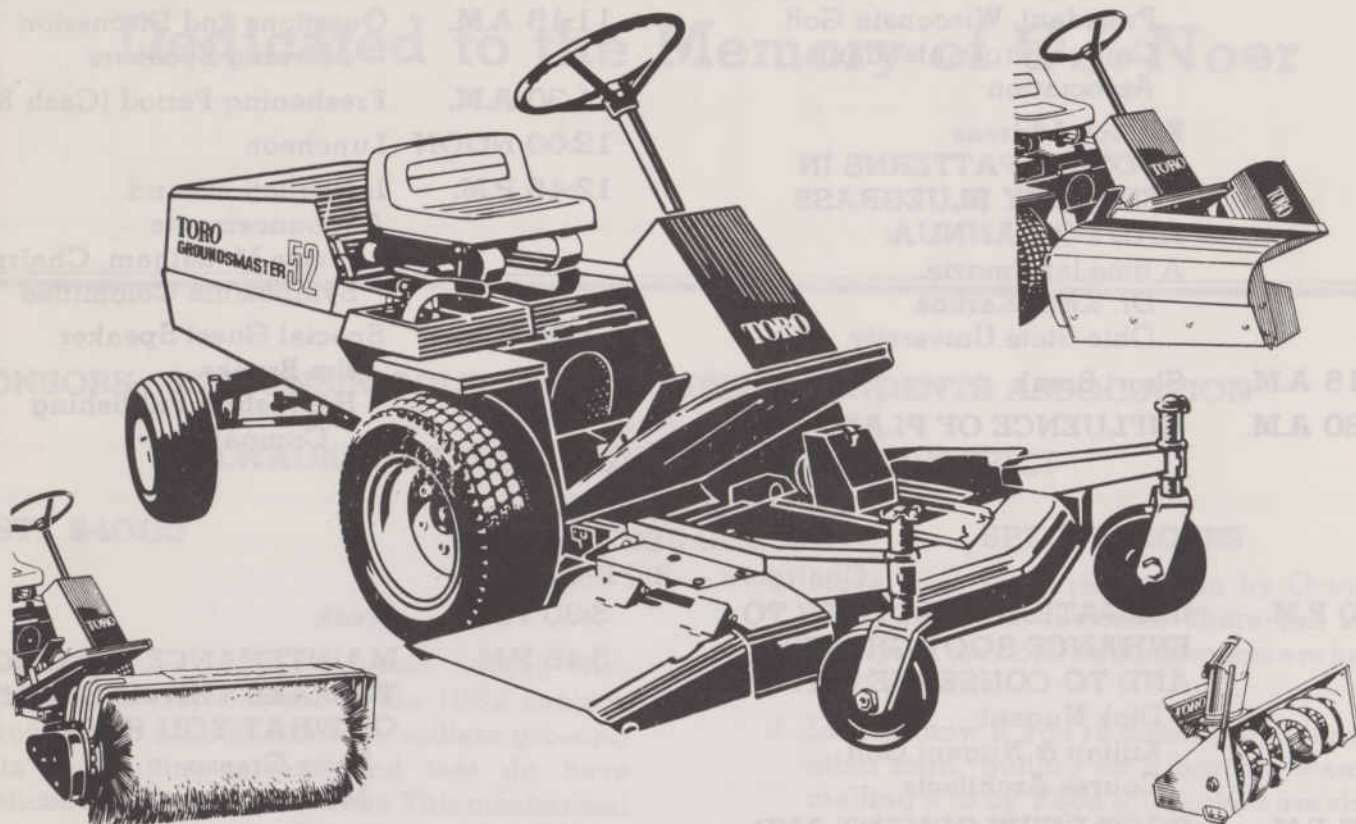
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Snow Mold Prevention Season

By Gayle L. Wort
Extension Plant Pathologist

Plans are underway for treating golf course greens, tees, many fairways and other areas within the next few weeks. Last winter's heavy snow accumulation was ideal for snow mold damage in much of the state, and we've received several inquiries concerning control suggestions. "Are there any changes from previous seasons?"

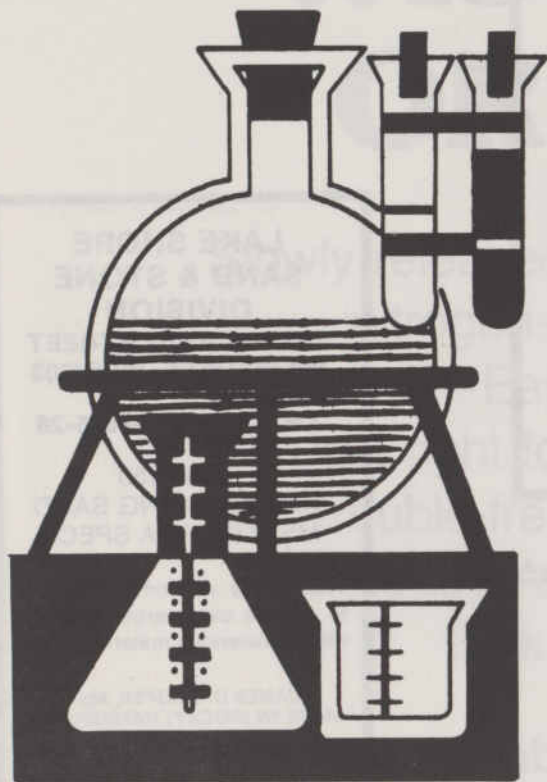


Our comments concerning snow mold control treatments are based upon a large number of trials conducted from 1970-1979, and from many visits with golf course superintendents and other observers. I shall first indicate what I believe to be the most dependable treatment options for Wisconsin greens and tees, and then offer some comments concerning them and snow mold control in general.

1. Treat for both gray snow molds (*Typhula*) and pink snow mold (*Fusarium*). The disease may occur singly — *Typhula* is the more common — but often they appear together as a complex. Some fungicides are effective or registered for only one or the other type of mold.
2. Combinations of chemicals have given us the most consistent results over the years where snow mold severity has been substantial. Moreover the combinations that have appeared best in the southern part of the state have not been the best in the north. Thus we offer the following suggestions:
 - a. for northern Wisconsin or areas with histories of very severe snow mold damage, combine an inorganic mercury (Calaclor or Calogran) with a formulation containing pentachloronitrobenzene, or PCNB (Actidione RZ, Lawn Disease Control, ProTurf 14-3-3-II (Terraclor or Turfcide). Most dependable results are achieved when a mid-October application of Danconil or PMA is applied, and a moderate summer disease control program is followed.

b. for less snow mold-intense areas, additional options exist. These include chloroneb (Fungicide II or Tersan SP) plus either PCNB or benzimidazole (such as Cleary's 3336, Duosan, Fungo 50 or Tersan 1991) or an inorganic mercury.

Success with single fungicides is also commonly achieved in the southern half of the state. In addition, newer fungicides such as triademefon (Bayleton), iprodione (Chipco 26019) and vinclozolin (Vorlan) carry registration for at least some snow molds.



My personal preferences from the many observations in southern Wisconsin is a minimum labeled rate combining inorganic mercury with chloroneb. The inorganic mercury provides traditional stability while the chloroneb softens and adds to mercurial activity. There is no value in going above minimal label rates when



combinations are used. Most of the benefit to be achieved comes from, say, 3 ounces of Calaclor and 6 ounces of Tersan 5P/1000 ft.². In fact if budget pressures wouldn't permit me to use *both* of these products at the minimum labeled rate, I'd use 2 ounces + 4 ounces for virtually the same anticipated results. The additional product, if affordable, would simply make me sleep better!

I've not had personal opportunity to examine the newer products under heavy snow mold pressure. These are excellent summer disease control products, however, and my inclination is to reserve their use for that purpose, and reduce the possibility of encouraging resistant strains of summer disease organisms from developing by using these products during winter months.

Fairways are damaged by snow molds, too, and home lawns were hurt last year in some parts of the state. Control is more difficult because the mercurials are prohibited in these sites and costs also are a consideration. The cheapest product is PCNB — the most effective choice might be a combination of PCNB and chloroneb.

Don't forget the possibility of a "touch up" treatment next March when the snow goes off. And if you want to have a really fast start, apply 1/2 to 1 pound of nitrogen in November as a dormant application. We've not observed any snow mold increase from this, and if any should occur, recovery has been faster in the fertilized areas of our plots.

Here's hoping for a snow mold-free winter ahead! ■



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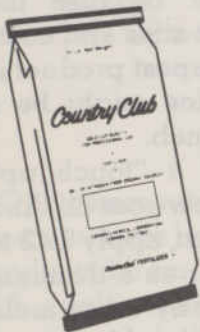
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