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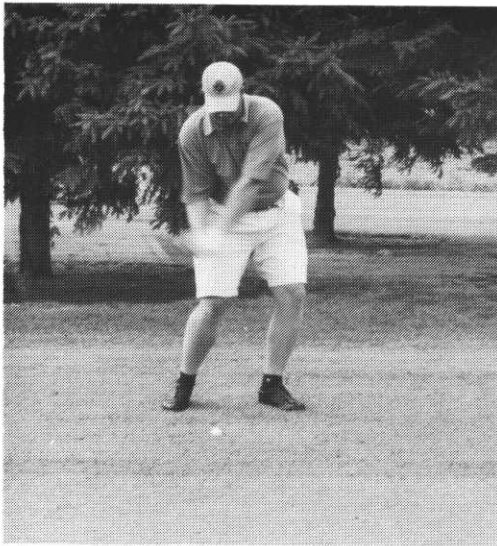


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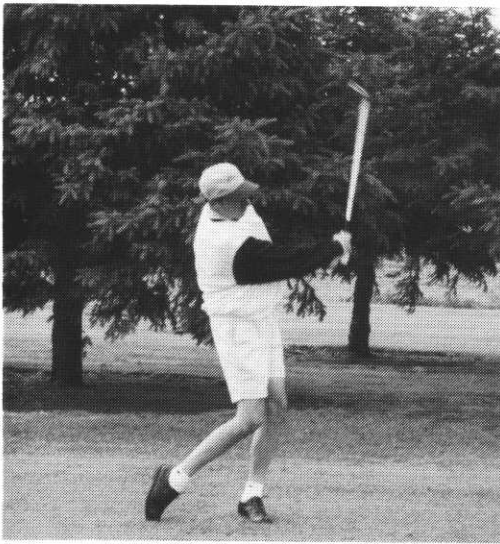
Call for a free Supplies Catalog or on-site consultation: 800-642-3706.



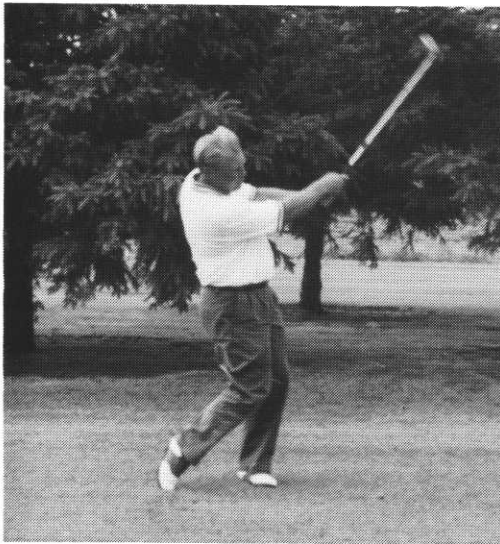
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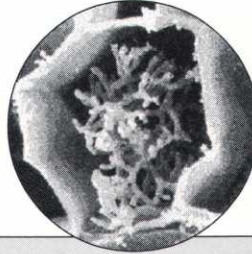
ROOT REVIVE™

will increase the turf's ability to utilize available nutrients and moisture in the soil.

How Does It Work?

ROOT REVIVE contains naturally occurring mycorrhizal fungal spores that germinate and penetrate a plant's roots. The mycorrhizal fungi send out additional hyphae that act as a "secondary root system".

These microscopic hyphae search out **additional moisture and nutrients** that a plant cannot find with its normal root system. This symbiotic relationship increases plant growth to create a plant that is **more resistant to stress**.



A micrograph shows the intricate anatomy of mycorrhizae within the plant root.

What Can You Expect?

Increased Plant Growth and Appearance

Plants achieve more growth in a shorter period of time and are less likely to suffer from nutrient deficiencies and environmental stresses.

Better Developed Root System

The additional hyphae can increase the root surface area by 10 to 1000 times...that's up to 1000 more opportunities to find additional water and nutrients in the soil.

Reduced Effects of Stress

High soil pH and salt content conditions can tie up valuable nutrients and water. Inoculated plants are more tolerant of drought and compaction and better able to resist invading plant pathogens.

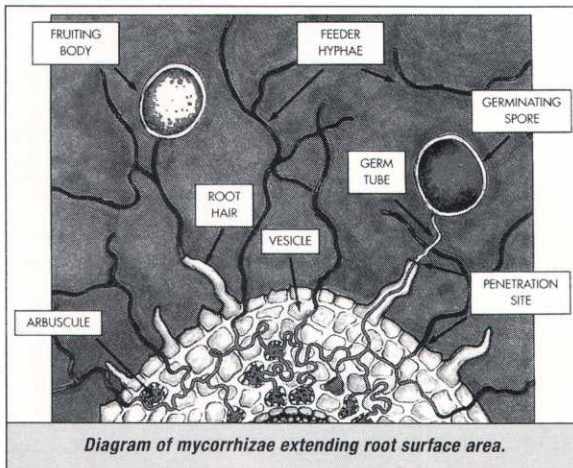
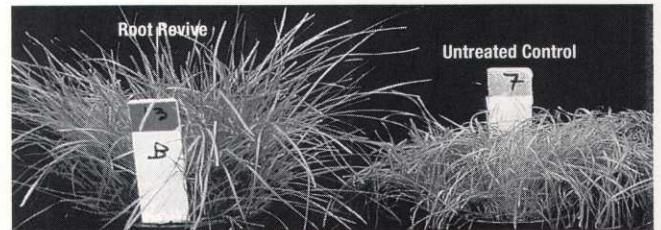


Diagram of mycorrhizae extending root surface area.



University of Rhode Island researchers found that Root Revive increased the drought tolerance of creeping bentgrass.

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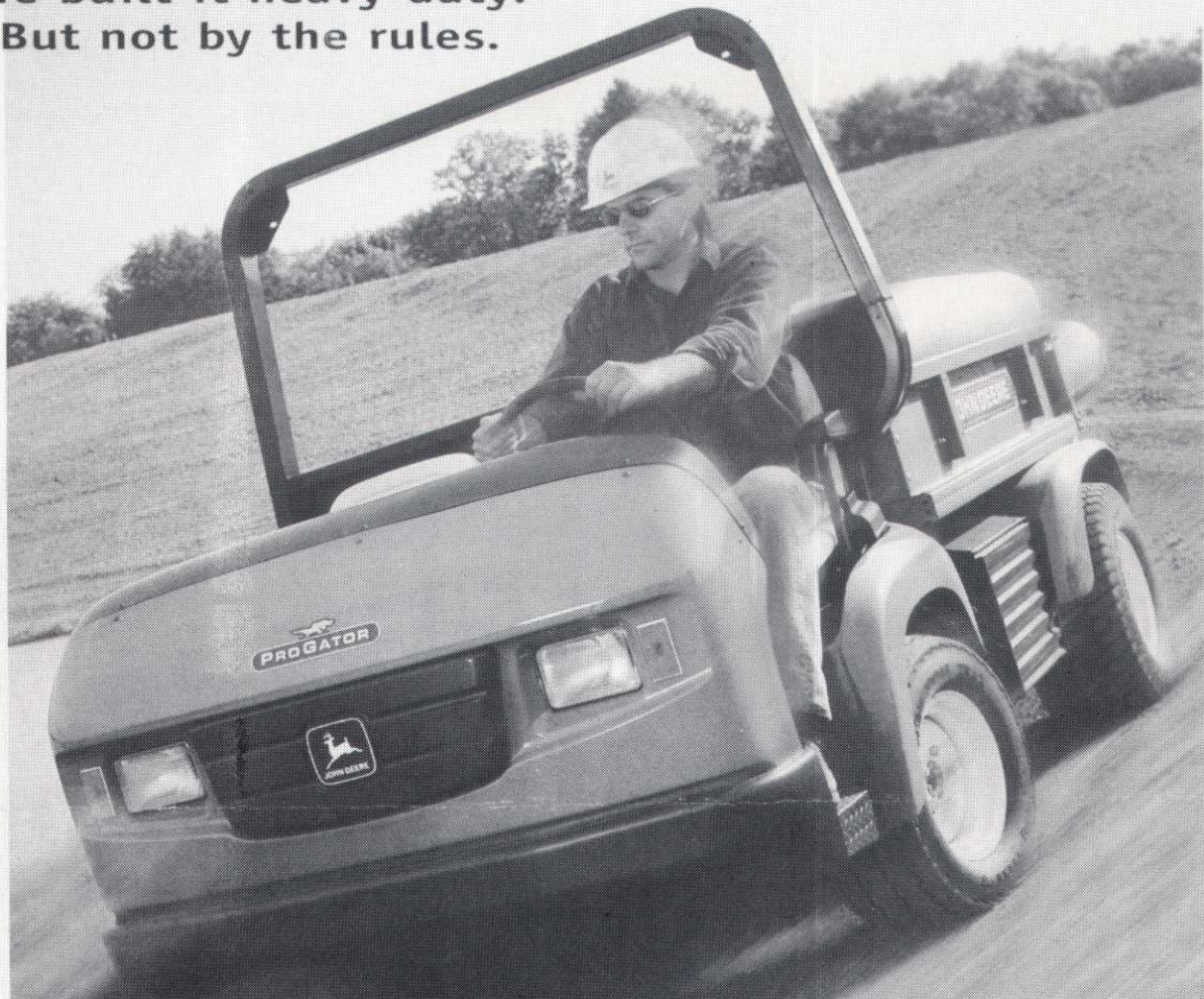


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White Bear Grounds Crew Looking Forward To 97th Trans-Mississippi Championship in July

Superintendent John Steiner Bubbles About the Way His Staff Is Getting Course Ready for This National Competition

By RALPH TURPINEN

Trans-Mississippi Golf Association

Now in his 32nd season as golf course superintendent of White Bear Yacht Club, John Steiner, CGCS, obviously has been involved in a variety of golf activities in this northern St. Paul suburb.



One of the projects he *really* is pleased about as well as looking forward to is the 97th Trans-Mississippi Mid-Amateur Championship to be played July 10-15 at his course.

"We're really enthusiastic about having White Bear as the site of this year's tournament, and all of us are looking forward to the challenge," Steiner said.

"From our end of things, I'm really pleased about the way our staff is getting the course ready for the tournament."

For example, he notes that Jimmy Jablonski, who is in charge of White Bear's bunker restoration program, "has been going bonkers about our bunkers. He wants to have them in tip-top shape."

"An excellent golfer himself, Jimmy has been spending a lot of time on his specialty -- preparing bunkers -- and practically all of them should be completely renovated by the time the tournament gets underway," Steiner said.

Assistant Superintendent Brad Marty, whom John calls "the lifeblood of our irrigation system," also comes in for a lot of praise for the manner in which he has been organizing a variety of duties.

"I could go on and on about everyone on our staff, because each person is ready, willing and able to do good work," Steiner said. "Whatever has to be done, we'll do it."

Eventually the ground crew's biggest challenge will be coping with whatever kind of weather will develop during the tournament and what effect it will have on the greens, as well as the pressure some 160-plus golfers will produce during the week-long tournament.

With a practice round on Sunday, July 9, followed by two full days of qualifying on Monday and Tuesday, plus two more full days of match play in the Championship Division as well as the Senior Division on Wednesday and Thursday, golfers will give the course a solid test. The pressure eases considerably later in the week as players are eliminated before the 8 a.m. finale on Sunday. Of course, a



White Bear Yacht Club Superintendent John Steiner, CGCS

careful review of tee maintenance, divots, speed and smoothness of greens and size of the rough will provide a daily tests.

"We naturally want our course looking the best for the tournament, but we also want it to be in excellent shape when our members return for their regular play," said Steiner, who got started in the turf management business during the summer of 1969 following his junior year at White Bear High School. That's when he did some maintenance work for his uncle who was building a course in Indian Wells, Calif.

Following his 1970 graduation from high school, John worked on White Bear's grounds crew while studying at the University of Minnesota where he earned his Bachelor of Science degree with a major in turfgrass science in 1976. Then he worked full-time before being selected as superintendent in 1979.

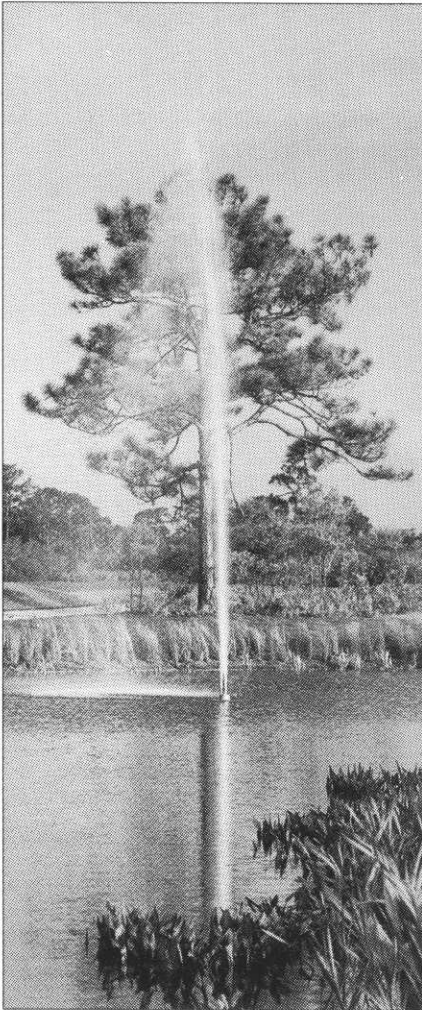
The tournament itself will present some excellent competition.

Three former Trans-Miss champions including defending titleist Mike Podolak of Oxbow Country Club in Oxbow, N.D., a suburb of Fargo, are in the field.

Podolak, who also was the USGA Mid-Amateur champion in 1984 and played on the 1985 Walker team, won the 1999 Trans title at Oklahoma City by edging Dan Dunkelberg of Fort Worth, Texas on the 22nd hole. Mike also was runner-up in the 1994 Trans at Minikahda. Dunkelberg, who also will be at White Bear, captured the

(Continued on Page 16)

Why choose AQUA CONTROL?



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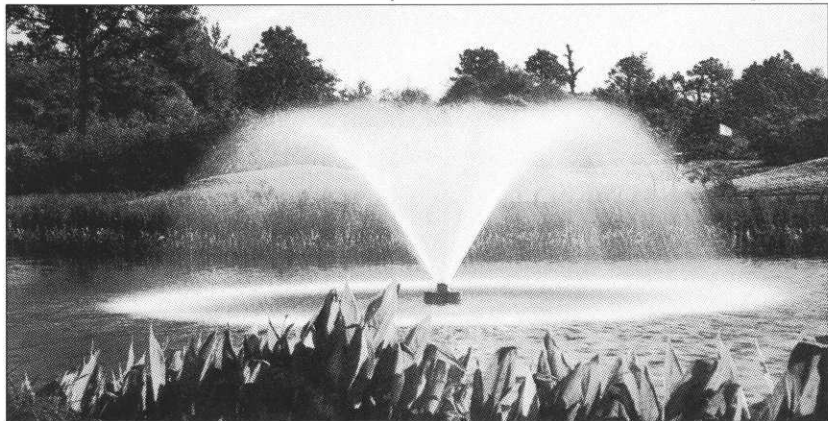
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Industry News

David Solga Receives Professional Certification

David J. Solga, superintendent at Giants Ridge golf and Ski Resort, has been designated a Certified Golf Course Superintendent (CGCS) by the Golf Course Superintendents Association of America (GCSAA).

Solga has been the superintendent at the Biwabik course since 1995.

To become certified, a candidate must have at least three years' experience as a golf course superintendent, be employed in that capacity and meet specific post secondary educational requirements and/or continuing education units (CEUs). The candidate must then pass a rigorous six-hour examination covering: knowledge of GCSAA and its certification program; rules of golf; turf-grass management; pest control; safety and compliance; and financial and human resource management.

Richard Meyer Joins Precision Turf

Precision Turf & Chemical, Inc. announced the addition of Richard Meyer to its sales staff. Richard is no stranger to the professional turf management industry. He has served as assistant superintendent to Spring Hill Golf Club during the "grow-in" and various other projects throughout his career. Richard's knowledge and expertise is valuable to our providing continued customer satisfaction and will be calling on the metro areas as well as the southern Minnesota golf clubs.

Trans-Mississippi-- (Continued from Page 15)

1998 Trans title at Cherry Hills in Colorado.

Also entered is 1992 Trans champion Randy Sonnier, Deerwood,

Texas, who also is a former Walker Cup player as is Dick Siderowf, a two-time British Amateur champion from Westport, Conn.

Among Minnesota contenders is Gary Jacobson, Plymouth, current state mid-amateur champion.

James Gardner, CGCS, at The Wilds in Prior Lake, is among the 168 entrants in this year's Championship.

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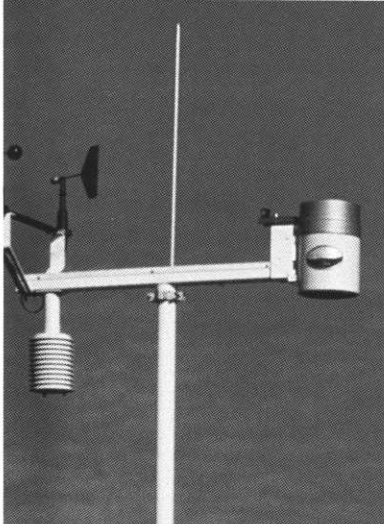
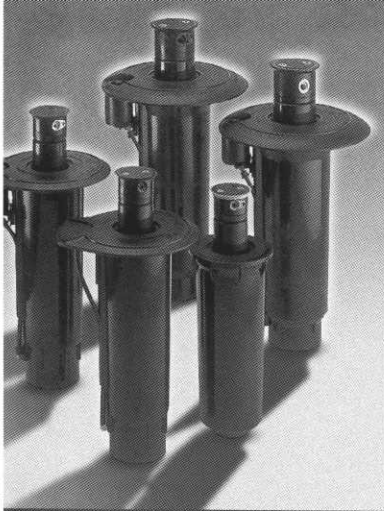
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University of Minnesota /MTGF Turfgrass Field Day Set Aug. 8

Have you ever wondered what type of work was being conducted at the University of Minnesota related to turfgrass management and how it relates to the turfgrass manager? Here is your opportunity to become acquainted with what the University has to offer.

The University of Minnesota and the Minnesota Turf and Grounds Foundation are proud to present the 2000 University of Minnesota Turfgrass Field Day to be held on Tuesday, August 8, 2000. This is the first of what will be an annual event that will feature 15 different projects from 10 University of Minnesota faculty and staff.

Projects to be presented will highlight breeding programs in annual bluegrass, Kentucky bluegrass, and perennial ryegrass; beneficial insects and insect management; effect of mower injury and potassium on turfgrass diseases; alternative disease management tools; little bluestem and prairie establishment; remote sensing of moisture levels and use of near infrared spectroscopy (NIRS) for detecting nitrogen and potassium levels in turf. Attendees will also have the opportunity to evaluate turfgrass varieties in the National Turf Evaluation Program (NTEP) trials on campus including Kentucky bluegrass, fairway bentgrass, and the recently established perennial ryegrass trial.

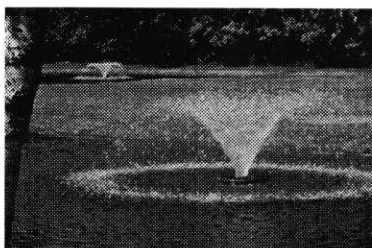
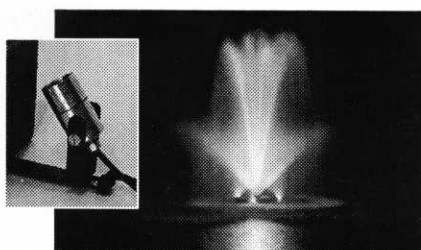
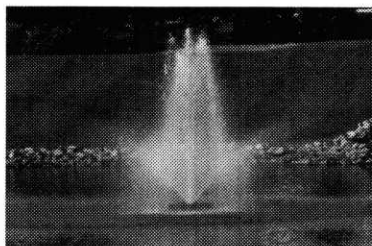
The field day is scheduled to begin at 9:00 a.m. and end by 1:00 p.m. Parking will be available on Gortner Ave on the St. Paul campus just off of Larpenteur Ave. Sign-in will be held from 8 to 9 AM at the demonstration gardens. Individuals who pre-register by July 24th will receive a complimentary field day program upon signing in at the registration desk.

Due to sponsorship by the Minnesota Turf and Grounds Foundation and industry support, the sponsors are currently able to offer this program at no cost. However, you are encouraged to pre-register to receive the field day program. You can pre-register by calling the Minnesota Turf and Grounds Foundation office at 612-625-9234. So mark August 8 on your calendar and plan participating in this inaugural event. If you have any questions about the field day, call Dr. Jon Powell at 612-625-5290.

Wisconsin Turfgrass Association Field Day Set Aug. 8 at the O.J. Noer Turfgrass Facility

The Wisconsin Turfgrass Association has announced that it will hold its annual Field Day on Tuesday, August 8. The WTA is an organization that funds much of the turfgrass research done at O.J. Noer Turfgrass Facility.

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