



# THE NEWSLETTER

Golf Course Superintendents

Association OF NEW ENGLAND, INC.

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July 1998

## Superintendents remember Bob Drake and his personal & professional legacy

The recent death of Bob Drake has had a compelling effect on golf course superintendents across New England. It seems Bob touched them all and continues to impact the golf course reconstruction business as a wave of second and third generation Drakes carry on his skills and spirit.

Retired Woodland Golf Club superintendent Norm Mucciarone calls Bob an original, a workaholic who never had a harsh word for anyone, and a friend who could turn adversity into advantage with a wink and a smile.

Mucciarone, in fact, was responsible for the transformation of Drake from a landscape technician to a paragon among golf course remodeling experts.

That was about 30 years ago . . . more than that, now that I think of it," Norm recalled. "Bob came down to Woodland looking to borrow a spray tank. He looked around and saw the potential for a new business and it just flowed from there.

Over the next several years he remodeled 15 of our 18 greens, reconstructed all the tees, and built two new fairways. In between, he installed a new irrigation system."

Norm marvels at the way Bob caught on to golf and how his expertise spread throughout the region.

"He was everywhere," Norm told. "One week he'd be in New Seabury, making a change somewhere on the course. Then, I'd hear from him when he was making improvements in Woodstock, Vermont. He even did work for the Rockefellers at their summer places up there. The guy was amazing."

Drake passed away five months ago after a courageous battle with cancer.

"He worked right up until the end," Mucciarone said of the 73-year-old Drake. "And he never complained. I don't know. They say that everyone can be replaced, but whoever says that didn't know Bob. He was a pioneer in his own right. I never heard the guy say a cross word."

Bob Grant, who went from superintendent to general manager of the Brae Burn Country Club, is another close friend of Drake who is still shaken by his loss.

"All the things you hear about Bob are true," Grant offered. "He could do any job, solve any problem, stare a setback down and still come up smiling. He was a hands-on guy, too. He was in charge, but there wasn't a job he wouldn't tackle. He did it all."

Grant recalls an incident that showcases Drake's consideration for his fellow

man, dating back to 1978, the year of a massive blizzard in the Boston area.

"I remember this one exactly," Grant informed, "because it happened at Brae Burn. Anyway, after plowing people out for seven straight days without a letup, Bob couldn't let our (Brae Burn) ladies golf association down. They had a meeting

***"All the things you hear about Bob are true. He could do any job, solve any problem, stare a setback down and still come up smiling. He was a hands-on guy, too. There wasn't a job he wouldn't tackle. He did it all."***

**Bob Grant  
Brae Burn C.C.**

scheduled on a Monday, seven days after the storm, and Bob saw to it that the driveways and parking lots were cleared. He just couldn't stop doing things for people."

Don Hearn, former GCSAA president and Weston Golf Club superintendent, remembers Drake as the complete success story . . . a man who started his working life digging cellar holes and wound up as

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one of the premier players in the golf course reconstruction business.

"The first golf-related experience I had with Bob was in Lexington, long before I went to Weston," Hearn related. "Bob was working with John Silva (father of golf course architect Brian Silva). And they were making a name for themselves rebuilding and reshaping traps.

"His introduction to Weston also came before I took the job here. But it shows just what kind of achiever he was. Some contractor had been working on Weston's 11th and 12th holes and suddenly went broke. In came Bob. He completed the job just like that. Whatever the problem was, he found the solution. He just made what was supposed to be done work."

As devoted as he was to his profession, it always took second place when it came to family. This is emphasized by the fact that sons David, William, and Michael took over the business and eventually established remodeling firms on their own.

At the forefront of the Drake family was Bob's wife, Maggie, who thought she served as nothing more than backdrop to her husband's successes.

"I was the gofer in the business," Maggie explained. "If they needed a load of pipe, say, up in Woodstock, I'd hop in the pickup and deliver it. I also took care of the books. But Bob was the man. He was the worker, a real workhorse . . . and a taskmaster. However, he was fair with everyone. I count my lucky stars we were together all those years (almost 50)."

Bob and Maggie had six children, all success stories in themselves. Besides the three sons in the reconstruction business, there is son Greg, who is a landscape architect, and daughters Judith and Linda, both teachers. And next down the line are 19 grandchildren, some of whom are falling in Bob's footsteps.

Another Drake friend and booster, Leon St. Pierre, now retired after a distinguished career as Longmeadow Country Club superintendent and GCSANE statesman, calls Bob "a man's man".

"I remember when he did some restoration work for us," Leon remarked. "I know he was getting up at 5:45 every morning to get here from Framingham at 7. And when he arrived, he'd jump right into the trenches. His son, Michael, was a

**"He was everywhere. One week he'd be in New Seabury, making changes somewhere on the course. Then, I'd hear from him when he was making improvements in Woodstock, Vermont. He even did work for the Rockefellers at their summer places up there. The guy was amazing."**

**Norm Mucciarone**

virtuoso with a backhoe, shaping bunkers. And Bob was the conductor."

Now that baton is stilled. Bob Drake is gone, but his work continues. He was like that proverbial one-of-a-kind. As Norm Mucciarone insists, Bob Drake was too good to be replaced."

The recent death of Bob Drake has had a compelling effect on the golf course superintendent community. It is saddened by his passing, yet buoyed by the fact that his legacy lives on in a second and third generation of Drakes.

**GERRY FINN**

## Calendar

- |              |  |
|--------------|--|
| August 3     | <b>GCSANE Monthly Meeting</b><br>Supt./Club Official Tournament<br>Framingham Country Club<br>Framingham, Mass.<br>Supt. - David Clement |
| September 22 | <b>GCSANE Monthly Meeting</b><br>Joint Meeting with RIGCSA<br>Country Club of New Bedford<br>New Bedford, Mass.<br>Supt. - Brian Giblin  |
| October 5    | <b>GCSANE Monthly Meeting</b><br>Joint Meeting with N.H.<br>Vesper Country Club<br>Tyngsboro, Mass.<br>Supt. - Bert Frederick            |
| October 21   | <b>Pro/Superintendent Tournament</b><br>Site TBA   |
| November 2   | <b>GCSANE Monthly Meeting</b><br>Whitinsville Golf Club<br>Whitinsville, Mass.<br>Supt. - Paul Wilson                                    |



# The Super Speaks Out

**This month's question:** *In the not-so-long-ago, crabgrass was a common curse for the golf course superintendent, especially in regions where weather remains hot and humid for long periods of time. The old method of controlling the ugly weed was based on close clipping and matting, together with chemical treatments with arsenicals. What have you done to update control of crabgrass, and how are the results running?*

**Steve Carr, Pocasset Golf Club:** There is no magic formula for keeping crabgrass under control. However, under the program we have here, crabgrass is not a big issue.

"We set up our control efforts based on an assay of the turf of the previous summer. During that assessment, heavy areas of infestation are marked, and we concentrate on those areas when we apply our chemicals.

"These are applied on a pre-emergent basis, or spraying and laying down the chemicals where we expect the crabgrasses to emerge. Like I said before, there's no secret formula involved. We have depended on labels like Dimension and Barricade, and have had normal success rates with both.

"Some people wonder why there is concern over keeping crabgrass under control and eliminating it altogether. After all, from a distance it's a green-looking plant that seems to blend in with the rest of the grasses on the fairways and tees.

"However, golfers tend not to appreciate crabgrass. From a distance, it may look tolerable, but when playing a shot it becomes something resembling a hazard. The golfers don't like playing out of crabgrass, and they don't like its looks. So, we have to go by their view of the situation.

"I guess the best way to approach the importance of keeping crabgrass under control is to remind ourselves that it could take over the makeup of our turf, especially fairways and roughs. It's an aggressive weed and can take control of the makeup of our regular grasses if not kept in check.

"In our case, the crabgrass issue doesn't account for a major course maintenance problem. Our program is

working. We know where the weed will surface if that area is not treated, and we monitor the entire golf course to make sure we're hitting the right places with the chemicals. Really, crabgrass is an ugly growth. Just the sight of it makes me glad we have the weapons to keep its presence at a minimum, and perhaps one day wipe it out completely."

**Jim Carroll, Cohasset Golf Club:**

"Crabgrass is one of the weeds I'm sure is on every superintendent's hit list.

I've heard of bumper crops (I'm only kidding), and the kind of hot, humid weather that can hit New England creates a healthy breeding ground for crabgrass to overrun a fairway, rough, or tee.

"So, everybody has crabgrass at one time or another. The important thing is to make sure the crabgrass doesn't get

up enough steam and confidence to take over significant amounts of turf on the golf course.

"My program is based on an assessment of the turf makeup at the end of each golf season. To this point, it's worked out well in that I treat our fairways (I never touch the roughs) every other year.

"Right now I'm using a product called Acclaim. It seems to be working, and I'll stick with it until it proves ineffective. That's a possibility, too, because I used another chemical in the past and wound up having to abandon it when my good grasses went south after an application. Therefore, I pay attention to the results I get.

"My treatment schedule calls for three to four applications of Acclaim through the golf season. Oh, I have to take back what I said about not going after crabgrass in our roughs. Although I don't make a practice of regular treatments there, I do spot jobs on the roughs if the crabgrass is unusually evident.

"Crabgrass is a no-no as far as the grasses here are concerned. It's an unsightly weed that can spread so fast it makes you wonder where its growth is coming from. I've seen patches of crabgrass that run three feet across. And, there's no doubt about it. Our members abhor the ugly thing. They know it's unsightly and is capable of killing the other good grasses around it.

"So, if they can't stand it, it goes double for me. That's why I pay strict attention to my treatment applications and results. Crabgrass definitely is the enemy. It must go."

**GERRY FINN**

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***"Golfers tend not to appreciate crabgrass. From a distance, it may look tolerable, but when playing a shot it becomes something resembling a hazard. The golfers don't like playing on crabgrass and they don't like its looks. So, we have to go with their view of the situation."***

**Steve Carr  
Pocasset G.C.**

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## Research Report

# 1997 Turfgrass Nematode Studies: Part VI

Robert L. Wick  
and Truth Nissenbaum,  
Department of Microbiology,  
University of Massachusetts

**Acknowledgments:** I thank the Golf Course Superintendents Association of New England for financial support. Also, thanks to superintendent Kevin Killoy.

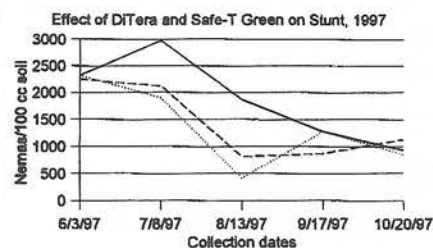
**A note about the statistics:** Nematodes are not evenly distributed in the soil. This means that there is a lot of variability in populations when soil samples are examined. To minimize the variability, composite samples are taken from each plot, and the treatments are replicated five times. Despite these precautions, large differences in numbers, from one treatment to the next, may not prove to be statistically different. It may be that the treatment had an effect but it could not be proven by statistics. However, large differences from treatment to treatment could also be due to chance (unequal distribution) rather than from the treatment.

**Evaluation of Safe-T Green and DiTera for Managing Plant Parasitic Nematodes in Turf, 1997:** A putting green in Monson, Massachusetts was chosen for the trial because of a relatively high population of lance and stunt nematodes. The turf was a mixture of annual bluegrass and bentgrass. The putting green, approximately 80 years old, was built on native clay soil and topdressed with a sand-based material for at least 25 years. mechanical analysis of the top 4" of soil showed it to be 72.9% sand, 21.7% silt and 5.3% clay. USDA criteria classify this as a sandy loam based on the sand subfractions. The green was mowed, fertilized, watered, and cared for consistent with standard golf green management practices. Plots were 6' x 6', five replications per treatment, and completely randomized. Safe-T Green was sprayed on the foliage at the rate of 0.75 oz. in 1.5 gallons of water/1,000 sq. ft. DiTera was drenched into the plots at the rate of 1.16 lbs./1,000 sq. ft. Both treatments were applied on June 10, July 9, and August 14. No additional water was applied. For nematode assays, 10 subsamples

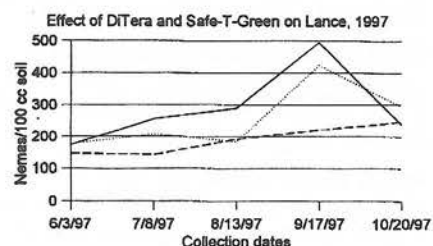
per plot were collected with a 1" soil sampling tube to a depth of 4", bulked, and extracted. Nematodes were recovered by wet sieving/sugar flotation, and identified to genus. The data were subjected to a one-way analysis of variance and a test of LSD.

Stunt nematode populations were unusually high in the beginning of the year (Fig. 1). The Safe-T Green treatment plots showed a drop in population on the August 14 collection, although it was not significant at  $p = 0.1\%$ . This drop in population in the Safe-T Green treatment was not sustained over the next two collection dates. The DiTera treatment also showed a drop in the lance nematodes that was not statistically significant (Fig. 2). No differences in turf quality were apparent among the treatments. Neither Safe-T Green or DiTera provided significant reduction of plant parasitic nematodes.

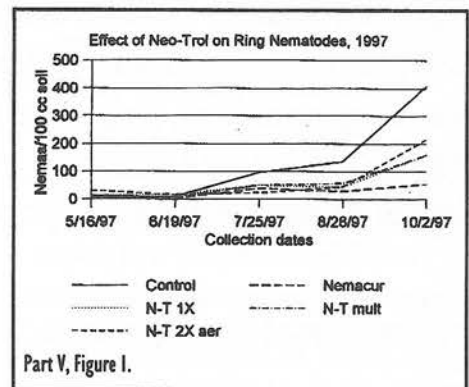
(Note: At right are graphs from Part V, Evaluation of Neo-Trol. The graphs were omitted from last month's issue due to space considerations.)



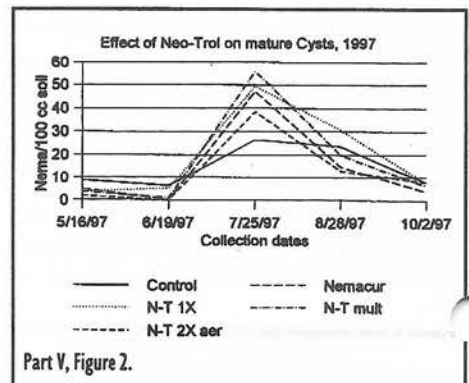
Part VI, Figure 1.



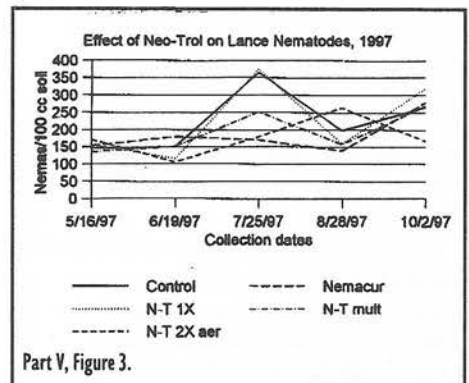
Part VI, Figure 2.



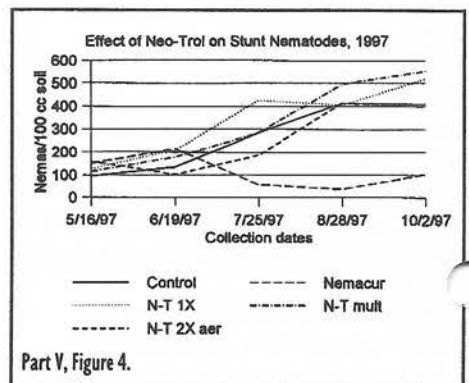
Part V, Figure 1.



Part V, Figure 2.



Part V, Figure 3.



Part V, Figure 4.



## Cooperative Extension Report

# Region-specific advice on turfgrass weed control

Coordinated & edited by  
P.C. Bhowmik, U. of Mass.,  
and R.B. Taylorson, U. of R.I.,

### Groundwater Protection

Chemicals, including pesticides, are indispensable to agriculture, but some pesticides can leach through soil to groundwater. Movement of a chemical into groundwater can make it unfit for use in crop and animal production or for domestic use. However, chemicals applied to soil are subjected to physical, chemical and biological processes that affect their movement through soil and potential for groundwater contamination. Consideration of these factors can minimize the threat of groundwater contamination.

**I. Soil Characteristics.** Soil texture plays a major role in herbicide performance and persistence. Soil organic matter can make a real difference in herbicidal activity. It is important to select the right herbicide based on soil type and organic

matter content. Chemicals tend to leach more readily in coarse textured soils with low organic matter content. Fine textured soils with high organic matter are highly absorptive and have low leaching potential.

**II. Herbicide Characteristics.** Some herbicides bind strongly (adsorb) to soils and therefore are not easily removed. Clay minerals and organic matter favor strong adsorption. Herbicides that are highly soluble in water have increased leaching potential. However, leaching of a herbicide can be minimized by proper dosage, timing, and method of application. Choose the right herbicide and rate for your situation.

Herbicide degradation by natural processes is highly dependent on herbicide class (chemistry) and environmental factors. Sunlight, temperature, soil pH, microbial activity, and other soil characteristics affect breakdown of herbicides. Some herbicides break down slowly and have a greater potential for leaching. On the other hand, short-lived herbicides may

be degraded before any leaching occurs.

Microbial degradation occurs when fungi, bacteria, and other soil microorganisms use herbicides as a food (energy) source. High organic matter, along with properties such as optimum moisture, aeration, temperature, and soil pH, can enhance microbial degradation. In addition, chemical degradation of herbicides can occur by reaction with water, oxygen, and other chemicals. In general, herbicides that are highly water-soluble, relatively persistent, and not readily adsorbed by soil have the greatest potential for leaching.

**III. Water Table.** High water tables are especially vulnerable to contamination by agricultural pesticides and fertilizers due to the relatively short distance between soil surface and groundwater. Potential for contamination is great in areas with coarse textured soils and high water tables.

Specific application information for each herbicide is contained on the label. Careful adherence to application and disposal directions, combined with proper equipment calibration, provide the best method of preventing groundwater contamination. Contact your state cooperative extension service for advice on appropriate herbicides for your situation.

### Control Methods

**Cultural Control.** Effective weed control involves use of recommended cultural practices and use of herbicides when necessary. Producing a dense, healthy stand of turfgrass is the best way to minimize annual grass weeds and broadleaf weeds. Mowing height/frequency, fertilization, and irrigation are part of the weed control program and should be practiced throughout the growing season.

**Chemical Control.** Timing is important for herbicide application. The best time for annual grass weed control is late April or early May in New England. The best approach is application of a pre-emergence crabgrass or annual grass control herbicide about two weeks before annual grass seeds germinate. If you apply these herbicides after annual grasses appear above ground, the application may not be effective. Pre-emergence herbicides control

## GCSANE News

# Remember when?: GCSANE's past

*Remember when?* looks at significant individuals and events of GCSANE's past.

### 25 years ago

It seems superintendents have accepted the golf cart as a necessary evil. Revenue it triggers makes it almost criminal to keep it off the course. With this in mind, it becomes almost a necessity for courses to build cart paths. Not home-made dirt ones, but the real McCoy: blacktop, cement, or whatever it takes to produce a hardened surface. The onus for providing hardened cart paths reverts to country club members or the public course owner. Superintendents have bowed to inevitable acceptance of golf carts. Now, owners must bow to the expense of hardened paths. In the end, the course and superintendent will profit by it.

Results of the super-chairman meeting at International G.C.: 1st low gross - Williams Rogers & F. Lothridge, Bellevue G.C., 158; John Jones & D. Callahan, Walpole G.C., 165. 1st low net - Brian Cowan & R. H. Eldrige, Eastward Hol, 141; Bob St. Thomas & B. Dowling, Hyannisport, 146.

### 15 years ago

The GCSANE welcomes Karl Ed Olson as new agronomist for the Green Section's Northeast Region. Karl will be responsible for visiting USGA member clubs in New England and New York. Karl established a regional office in Dudley, Mass. after a distinguished career as a superintendent in the southwest and far west. The certified superintendent, a six-handicapper who once won the GCSAA long drive competition with a blast of 317 yards, held positions in New Mexico and California.

### 5 years ago

The O.J. Noer Turfgrass Research & Education Facility at U. of Wisconsin announced the appointment of Scott Mackintosh as station manager. Son of Twin Hills golf course superintendent Roy Mackintosh, he comes to his new post after completing his M.S. in Turfgrass Science at U. of Mass. under the guidance of Dr. Richa. Cooper (once Research Station Manager at Ohio State).

GERRY FINN

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## **DIVOT DRIFT...announcements...educational seminars...job opportunities ...tournament results...and miscellaneous items of interest to the membership.**

### **MEMBERSHIP**

**Proposed for Membership:** Michael J. Murphy, Assistant Superintendent, Pine Brook County Club, Weston, Mass.; James Wierzbicki, Affiliate, Lesco, Colchester, Conn.

**Welcome New Members:** Stephen Mark Ethier, Superintendent, St. Annes Country Club, Agawam, Mass.; Christopher S. Carey, Assistant Superintendent, Indian Ridge Country Club, Andover, Mass.; Andrew Faist, Assistant Superintendent, Whitinsville Golf Club, Whitinsville, Mass.

### **INFORMATION**

**Coming events at Stockbridge School.** The Stockbridge School, offering Associate of Science degrees at the University of Massachusetts, Amherst, offers five majors within the green industries. After two years of study, students are well-prepared for exciting job opportunities in arboriculture, horticulture, crop production, landscape contracting, and turfgrass management. All curricula include a five-month work experience. Stockbridge is located at UMass, which affords students the advantages of being at the larger institution while participating in smaller classes. Stockbridge is well known in industry circles. Job placement is high for Stockbridge students. There are more jobs available than there are graduates to fill them!

**The Stockbridge School is organizing a Green Industry Demonstration Day on October 2, 1998** at UMass-Amherst to acquaint high school students with Stockbridge programs. Arboriculture students will participate in a class taught by Rip Tompkins, world champion climber of Arbor-Master Training, Inc. Projects by landscape contracting students will be displayed. Greenhouse tours will be conducted. High schools will be invited to bring interested students to campus that day. Mark your calendars now!

**Industry representatives will also be interested to know that Stockbridge School will be hosting the second annual Job Fair on February 9, 1999** in the Campus Center at UMass-Amherst. Companies are invited to send representatives to meet with students regarding employment opportunities. Both equine and green industry jobs will be showcased, targeting Stockbridge students. UMass and area high school students will also be invited to attend. Space for company representatives is limited, and will be on a first-come, first-served basis. Make your reservations early. Applications will be available in the fall. Watch this publication, or call the Stockbridge School office at 413-545-2222. Individual visits to discuss Stockbridge programs and tour the UMass campus can also be arranged at any time. Simply call the

Stockbridge School office or write to us at 115 Stockbridge Hall, University of Massachusetts, Amherst, MA 01003. You may also visit our web site at [www.umass.edu/stockbridge/](http://www.umass.edu/stockbridge/)

**AgrEvo Industry Alert: Texas A&M needs fairy ring samples to create survey identification database.** Dr. Phil Colbaugh of Texas A & M University is collecting and cataloguing the fungi associated with fairy ring. This will be used to develop an identification database for future research efforts. Dr. Colbaugh is requesting samples of fairy ring fungi from superintendents across the U.S. Please send samples to: Dr. Phil Colbaugh, Texas A&M University at Dallas, Research & Education Center, 17360 Coit Road, Dallas, TX 75252; phone: (972) 231-5362; fax: (972) 952-9669. (AgrEvo is assisting Dr. Colbaugh's efforts in order to further the proper use of ProStar fungicide, the only fungicide federally labeled to control fairy ring.)

**AgrEvo unveils green industry website.** Officials of AgrEvo Environmental Health have announced a new source of information for golf and lawn-care/landscape industry professionals with the introduction of the company's green industry website at [www.agrevo-green.com](http://www.agrevo-green.com). According to George Raymond, marketing manager, AgrEvo Green Industry, the website posts information on the company's complete line of products for the green industry, including MSPS and specimen labels, field trial data, product applications, and recommended use rates. Timely information, such as AgrEvo's introduction of its proprietary pyrethroid insecticide, DeltaGard, is highlighted, along with recent articles from the company's newsletter for superintendents. Visitors to the site can also access special promotions and coupons, and can contact their AgrEvo sales representative, technical support, and other AgrEvo personnel via e-mail. "We want to stay in touch with our customers," said Raymond. "Our website is not only a source of product information and industry trends, but also serves as an avenue of communication between green industry professionals and AgrEvo." To learn more about AgrEvo's professional products for the green industry, call AgrEvo at 800-331-2867, or visit its website at [www.agrevo-green.com](http://www.agrevo-green.com). AgrEvo is a global leader in biotechnology, seeds, crop protection, and environmental health. The company markets a wide range of products for enhancing crop production, together with insecticides, herbicides, and fungicides for the green industry, consumer products industry, and structural pest control industry. AgrEvo operates in more than 70 countries with approximately 8500 employees.

**Milorganite continues turfgrass research donation program.** Golf course superintendents can again help support turfgrass research when they use natural organic Milorganite fertilizer this fall.

For each ton of the fertilizer purchased and delivered between August 1 and November 30, 1998, Milorganite will donate \$10 to the superintendent's favorite turfgrass research organization. "Milorganite and its distributors have supported turfgrass research at the national level for decades through the O.J. Noer Research Foundation," says Larry Lennert, manager of research and product development at Milorganite. "In keeping with that tradition, we wanted to enable superintendents to support turfgrass research at the local, state, or national level, too. The Milorganite Turfgrass Research Donation Program does that." This is the fourth consecutive year that Milorganite has sponsored its Turfgrass Research Donation Program. During the first three years of the program, Milorganite donated nearly \$65,000 to turfgrass research organizations across the U.S. and Canada. For more than 70 years, Milorganite has been used on golf courses across the nation, including several PGA Tour stops. For more information about Milorganite, call 1-800-304-6204, or visit [www.milorganite.org](http://www.milorganite.org) on the World Wide Web.

**Turf IPM Facts.** Turf IPM Facts is a comprehensive information packet for turf managers and other green industry professionals. It contains over 50 fact sheets written by turf specialists from the University of Massachusetts covering such things as general turf maintenance, pest identification, and integrated pest management strategies. Fact sheets vary from one to four pages, and a 13-page turf monitoring calendar is also included. This is a broad resource of research-based professional lawn care information and integrated pest management principles. Turf IPM Facts is \$25.00 for a complete packet. To order, send your check payable to the University of Massachusetts to: Bulletin Distribution Center, Draper Hall, University of Massachusetts, Box 32010, Amherst, MA 01003-2010. Credit card orders are also accepted; call (413) 545-2717. Please include your name, company name, mailing address, complete with street, city, state and a daytime phone number. Please indicate clearly which publication you are ordering. (From Turf Notes, May/June 1998.)

**Check out the UMass Turf Team Extension's Web Page:** [www.umass.edu/umext/turf](http://www.umass.edu/umext/turf). This one is well worth a bookmark on your server!

### **POSITION AVAILABLE**

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## Host Superintendent Profile

# Meet host superintendent Bob Matthews, Marshfield C.C.

The host superintendent for our July meeting was Bob Matthews, CGCS, of Marshfield Country Club.

Bob lives in Marshfield, Mass. with wife, Robin, and two sons, Eric, 17, and Sean, 14. He is the Certified Golf Course

Superintendent at Marshfield C.C., and has been a superintendent for 25 years.

He has lived in Marshfield for 10 years. His childhood was spent on the North Shore of Massachusetts. He graduated from Stockbridge School of Agriculture, U. of Mass., in

1973. He became a golf course superintendent immediately out of school, and has lived on the New Jersey Shore and Long Island, N.Y., where Robin spent her childhood.

Bob currently serves as a Director and Chapter Delegate for the Golf Course Managers Association of Cape Cod.

Bob and his sons keep busy playing golf, sailing, and skiing, and are active in scouting. Bob formed Cub Scout Pack 97 and served as Cubmaster for seven years. He recently became Scoutmaster of Boy Scout Troop 101, where Eric earned his Eagle Rank, and Sean is a Patrol Leader. Eric plays varsity hockey at Marshfield High School. Robin is a busy mother, working for the Marshfield Council on Aging, and serving as treasurer of the Friends of Marshfield Hockey organization and as member of the Troop 101 committee.

## Weed Control . . . from page 5

control germinating weeds and provide effective control of crabgrass and other annual grass weeds for several weeks or months, depending on dosage and products. Effectiveness is based on ability to provide excellent weed control with no turf injury.

Control of emerged grass seedlings with post-emergence herbicides can complement a sound weed management program. A primary post-emergence herbi-

cide for grass weed control in turfgrass is *MSMA*. This compound can injure turfgrass, especially when applied during hot weather. *Acclaim Extra* (fenoxaprop) is available for annual grass control. This herbicide offers a wider window of post-emergence control than the arsenates, with less potential for turfgrass injury.

**Records.** Keeping accurate records on application dates, weather conditions (temperatures, rainfall, etc.), application rates, and observation of control response will assist in next year's timing schedules.

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