

on dormant turf provides nutrients when they are needed

Convenience — Savings — Success

These are the factors that have sold many clubs on a winter Milorganite application in lieu of spring feeding.

- It works! Milwaukee Country Club has applied 800 to 1200 lbs. Milorganite per acre each and every winter since 1932. The time — Thanksgiving week, before heavy snow falls on irrigated creeping bentgrass fairways. It works on bluegrass and fescue too.
- It Eliminates Spring Feeding! The grass "greens up" early without over-succulent growth. Since 1932 the first calendar year feeding at Milwaukee Country Club is the second week in June — with Milorganite, naturally.
- 3. It's a Work Saver! No more worries about wet Spring seasons and lack of Spring labor. November through January applications are made on dormant turf with no golfer interference and when the work load is light.
- 4. Delivery is Prompt With Nitrogen at its Highest! October through December are slow shipping months. Thus, rail cars and trucks can deliver promptly. The same months find production of Milorganite with nitrogen at its highest. It is not unusual to get a half percent nitrogen bonus over the guarantee of six per cent.
- 5. Storage is no problem! Unlike chemicals and some synthetic organics, Milorganite is nonleachable. Its weight and adherence qualities also make it stay in place even on severe slopes. Store your spring fertilizer on the ground.
- 6. Earlier greening than with spring chemical application! Plot work in Minnesota proves this. In one series of tests conventional applications of other nitrogen fertilizers failed to catch up with early winter applied Milorganite throughout the entire growing season!
- 7. It will not increase snowmold! In plot work, we have purposely applied the excessive rate of 200 lbs. per 1,000 sq. ft. with no snowmold observed. Putting greens should be protected with the fungicide applied dry using Milorganite at 30 to 50 lbs per 1,000 sq. ft as the carrier. This has been standard practice for many years in the north country.

CAUTION

The above statements apply only to Milorganite. Other materials may produce excessive early growth or induce unwanted growth during winter thaws.



Landscape & Turf

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HOLE NOTES

OFFICIAL PUBLICATION OF THE MINNESOTA GOLF COURSE SUPERINTENDENTS' ASSOCIATION

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FROM THE PRESIDENT'S DESK DOUG MAHAL

If the cooler temperatures and changing turf condition haven't convinced you fall has arrived, the fall colors certainly have. As well as being a season in which one can take a couple deep breaths and get reacquainted with the family, it can also be a season to perform tasks which will make your job easier next summer. If you're staffed well enough, it's a great "project time" of the year also. It's likely that some R & R for you and your staff is required after the difficult summer season but, the next 4-6 weeks are too valuable to allow them to slip away entirely. Use the time wisely!

As predicted, our 3rd annual Harold Stodola Research Scramble was a rousing success. 196 contestants were treated to an outstandingly maintained golf course and superb dinner. Congratulations to host superintendent, Dan Hanson, and the Minikahda staff for an incredibly enjoyable day. And BRAVO to the winning team from Edina C.C. The "Kahda" is always a challenge so their score of 12 under par was outstanding.

Looking ahead, I, for one, have never had the opportunity to visit either LeSueur Country Club or Burl Country Club, our meeting sites for the coming months. I likley can speak for a majority of the membership so, do make plans to attend these last two golf opportunities of the year. I've chatted with the "big weather maker" and a good day has been promised for each.

Although at this writing I have no information on the success of our 1st annual Research Benefit Tourney, I have great hopes that MGCSA has found a winner. Many thanks to those who participated! Although our numbers may have been less than hoped for this first year, by 1988 the event won't be quite the surprise to potential players and participating clubs.

Have a productive but more relaxing fall!



EDITOR'S CORNER

TOM FISCHER

As fall draws near, most of us are looking forward to the off season for a well deserved rest. The year 1987 will go on record as a tough year for keeping turf looking up to par. Fall brings some relief to superintendents but, despite some rain, things are getting dry once again. Hopefully, October will bring rain and relieve the strain on the turf and our crew.

We would like to thank Dan Hanson for inviting us to Minikahda Club for our guest scramble. The weather was cool and moist in the morning but by afternoon we could not have asked for a nicer day. You just can't say enough about the beauty of



a mature, established golf course. The scramble was a great success having a fantastic turnout with monies raised for the Harold Stodola Research Fund.

We would like to thank Tom Mundy of E-Z GO golf carts for donating 20 golf carts to be used during the scramble. All the proceeds from the carts went directly to the Stodola Research Fund. Thanks Tom and E-Z GO for your support, it is greatly appreciated.

NEWS FROM GCSAA

GCSAA CONFERENCE SETS SALES RECORD FIVE MONTHS EARLY!

Texans have long liked to claim that their state is the biggest and the best. And the 59th International Golf Course Conference and Show -- slated for Houston in early 1988 and sponsored by the Golf Course Superintendents Association of America (GCSAA) -- is certainly on its way to upholding the Texas tradition.

With nearly five months to go before the doors open to the expected 14,000 attendees, the Show's exhibition space reservations are already ahead of the 1987 total.

More that 112,000 square feet of display space has been committed to various manufacturers and distributors from all over the world. This surpasses the previous record of 108,500 square feet in Phoenix earlier this year.

"We still have some space available, but it's truly incredible how quickly everyone has responded," said Tuula Wright, sales and marketing manager for GCSAA. "The industry is booming, and exhibitors are anxious to display their products to the buyers, the golf course superintendents."

The show will run Feburary 1-8 in the George R. Brown Convention Center. The event will be among the largest shows to be presented following the completion of this dramatic new facility.



The GCSAA Conference and Show is a onestop marketplace for today's golf course superintendents from around the world. More than 60 percent of the exhibitors have indicated that they will be revealing their new product lines and services for 1988 at the Show.

EPA ANNOUNCES ACTION ON CADMIUM

Use of cadmium in the environment has been prohibited under a federal regulatory order announced August 10 by the Environmental Protection Agency (EPA). The sole exception to this regulatory order allows use of cadmium fungicides on golf course greens and tees under certain circumstances.

Specifically, Cadmium use will be allowed on greens and tees only with a "mini-boom" sprayer, and applicators must wear protective clothing during mixing, loading application of the product. and Homeowners, turfgrass managers and other users of cadmium fungicides will be forced to seek alternative materials for the control of fungi on turforass. Additionally, use of cadmium on fairways

and other golf course areas except greens and tees is prohibited.

The decision to exempt golf course greens and tees relies in part on information provided through the Golf Course Superintendents Association of America's Government Relations Program. In May, members of the EPA review team were given a demonstration of the "mini-boom" sprayer at the Congressional Country Club in Bethesda, Maryland.

Originally, EPA proposed cancellation of all pesticidal cadmiun use. However, as the EPA announcement noted: "At the time of the proposed cancellation, EPA assumed that cadmium was applied on golf course greens and tees areas with hand held sprayers only. Since that time, the agency has received new information indicating that most golf course applicators use power spray equipment, such as mini-boom sprayers."

\$50,000 CONTRIBUTED TO NEW GCSAA FUND

The Golf Course Superintendents Association of America (GCSAA) anounced







R.L. GOULD & CO. 3711 LEXINGTON AVE. NORTH ST. PAUL, MINN. 55112 on August 6, 1987, the establishment of the Robert Trent Jones Endowment Fund to Support the organization's ongoing scholarship and research programs.

"We have never before made this kind of commitment with any one person or even any single organization, " said GCSAA President Ε. Hearn, CGCS. "But the Donald monumental accomplishments and lifelong services of Mr. Jones and his close working relationship with our association and its mambers merit prominent recognition."

In addition to Jones' own personal gift, friends and associates contributed more than \$50,000 to establish the initial funding level.

Jones, the 81 year old architect of some of the world's most famous golf courses, said of the honor: "We can build the greatest golf courses in the world, but if they are not properly maintained, they are nothing. To golf course superintendents around the world I owe a great debt, and every architect in America owes a great debt. We can only continue to provide



these great facilities with well-educated professionals to maintain them. That education does not come easily to all and must be supported by every aspect of this industry."

The Florida Golf Course Superintendents Association contributed \$2,000 to the Jones Endowment "over and above" their annual scholarship and research donation.

"We're proud to have the opportunity to be the first GCSAA chapter to contribute to this new fund, " said Reed LeFebvre, who presented the check to Gerald L. Faubel, CGCS, chairman of the GCSAA Scholarship and Research Committee. "We're also pleased that Mr. Jones and the association would this site, the PGA select Championship in Florida. to make the announcement. "

Faubel added: "This fund will enable GCSAA to encourage promising young turforass students entering the profession. The long-term impact will be reflected in better conditions for every colfer as our education and expertise continue to grow. "

NEW MEMBERS

The Golf Course Superintendents Association of America is pleased to announce the two new members of the GCSAA. Minnesota GCSA members Keith Johnson and Randall William Allen are now also members of the national association.

Should We Be Using The Walking Greensmower More?

By Bill Zuraw, Superintendent Crumpin' Fox Country Club

Through the decade of the seventies, the golf course and turf industry experienced a technological revolution. Many types of sophisticated maintenance equipment became popular because they could reduce labor costs. One of these was the triplex greensmower. Since many courses are built with greens in excess of 4000 square feet, the job of mowing can be greatly reduced by a riding triplex. Today, there are very few golf courses that do not use triplex greensmowers. But the walking greensmowers still have a place in the golf course industry. I would like to discuss some comparisons and advantages which I have discovered.

From an economic point of view, triplexes save on time and

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labor. But how much? At Crumpin' Fox Club, one man on a triplex can mow ten greens in about two hours. I found that two men with walkers and cushman can do the same job in less time. So labor costs are less than doubled. The walker mower costs less than the triplex initially, but also is simpler to maintain. The engines are small and inexpensive to replace and there are no costly hydraulic components. There are no tires to leak, batteries to die or hoses to drip oil. They are easier to adjust. It is very difficult to get all three units of a triplex to cut exactly the same. With only one cutting unit, that is no problem.

I also found that the walker can help the superintendent to grow better turf. Although compaction pressure of a triplex is probably less than that of a golf walking across a green, the repeated tracking in the same ruts on the cleanup cut throughout the season can cause compaction. Another problem with triplexes is abrasion and scalping during this cleanup cut. Triplexes do not cut well while they are turning. Another point to consider is the turf areas surrounding the greens. If these areas are sloping, bunkered or too narrow, there will be considerable wear to the turf. The turf will always appear weak and may be the first to die out under stress.

With walkers it is easier to train operators, since the machinery is less complex. There is also a higher degree of safety with a simpler and lighter weight machine. I also found it was easy to do other tasks at the same time. Since we transport between greens with a cushman and trailer, it is no problem to move cups, tee markers and put out water

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coolers in the same trip around the course. In this way we are getting the same jobs done in same amount of time without using a triplex.

I am not saying that we all should park the triplex. They are a useful labor saving tool. However, many golf courses could benefit from more frequent use of walkers on some greens or part of the time. The layout and design of Crumpin' Fox made my switch to walkers an economic as well as agronomic success.

CREDIT: New Hampshire Turf Talk





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