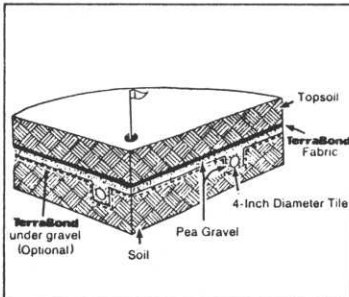


TURF SUPPLY COMPANY ANNOUNCES A NEW LINE OF PRODUCTS

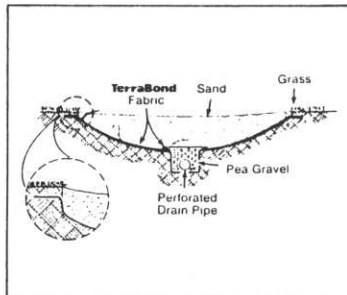
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PUTTING GREEN CONSTRUCTION

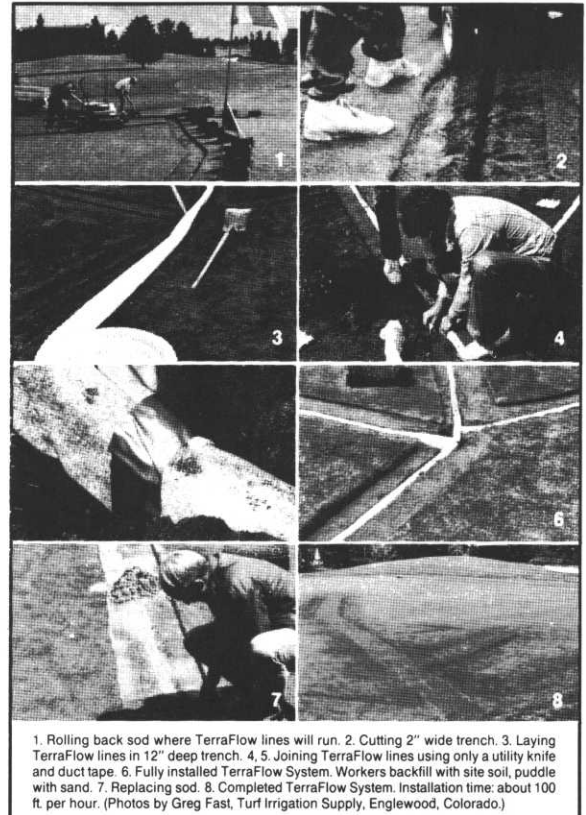


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1. Rolling back sod where TerraFlow lines will run. 2. Cutting 2" wide trench. 3. Laying TerraFlow lines in 12" deep trench. 4, 5. Joining TerraFlow lines using only a utility knife and duct tape. 6. Fully installed TerraFlow System. Workers backfill with site soil, puddle with sand. 7. Replacing sod. 8. Completed TerraFlow System. Installation time: about 100 ft. per hour. (Photos by Greg Fast, Turf Irrigation Supply, Englewood, Colorado.)

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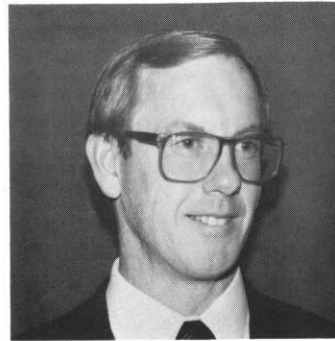
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FROM THE PRESIDENT'S DESK

DOUG MAHAL

It looks as though we've reached an end to the "winter that wasn't". Though turf generally appears to be in good condition, the jury is still out on whether or not other plant materials have suffered from the early 65-70 degree temps of early March. Due to the reduced use of deicing salt on state roads this past winter season, a great number of automobiles will be "living" another year longer.

Our annual March mini-seminar was very well attended with 170 info-hungry members participating. A great line-up of speakers created a thought provoking environment at Majestic Oaks once again. A special thanks to our majestic host, Don Lindblad, who always treats us well.

Our April meeting and first organized golf opportunity is scheduled for April 13 at Faribault Golf & Country Club. Host superintendent Dale Wysocki has told me he and the golf course are ready for us. He would appreciate "oiling" your golf swing a little before stepping on his 1st tee. Remember, seed is in short supply this year!

There is a new kid on the block in the Minnesota golf scene. The Minnesota Public Golf Manager Association, consisting of area superintendent/golf pros, golf pro/managers, superintendent /pro/managers, and managers of public courses, has formed to answer problems very unique to these individual people. The questions this organization raises are addressed neither by the affiliated chapters or the national organizations of CMAA, PGA and GCSAA. The MPGMA has organized to assist each of its members in the smoother operation of these public facilities. I have offered any MGCSA assistance that may be desired to get the association off the ground. Best of luck to them!

Continued on Page 7

BARRIER NETTING

by ANDY LINDQUIST
Superintendent
Brookview Golf Course

The "simple" task of installing protective netting to contain golf balls can become a major project for any superintendent. At Brookview Golf Course, we have two 50' x 450' barriers designed to contain stray range balls. Over the last few years, we have tried various methods of installation, but this has seemed to work the best for our course.

TYPES OF MATERIAL

A. Nets. After trying all major brands of netting, we have found that "you get what you pay for". The less expensive nets are weaker, do not weather as well, and are generally undersized. You may order a 25' x 150' net and get a 20' x 125' net which you try (with the strength of Godzilla) to stretch to 25' x 150'. It is important to remember that you will be up in the air trying to work with a material that catches a great deal of wind. Nets may be custom ordered with the target single piece being 25' x 150'. The nets should have 60 lbs. tensile strength and a maximum of 1" mesh size. You can expect a five to seven year life expectancy, assuming the nets are removed during the winter.

B. Supports. Utility poles (class 3 or 4) treated or untreated made from West Coast Douglas Fir are the best to use. Holes 1" in diameter at every 11 feet are predrilled in order to install eyelets through the pole. Any excess threads should be cut off as they can rip the net if they catch in it.

C. Cable. Cable is strung around the entire netting using 7 x 7 3/16" airplane cable. To prevent the cable from cutting through the netting, hog rings are attached to the cable and netting every 8-12". Cable is also run horizontally through the middle of the net (every 11.5'). Without this center cable, too much stress is put on the outside of the netting, causing it to rip.

D. Installation. Poles are installed with at least 35% of them in the ground (i.e., a 50' high net would require a 67' pole). Don't let all of the holes in the netting fool you. They catch a great deal of wind so good support is needed. Back fill around the pole with class 5 gravel. The cable is attached between the top of each pole to provide lateral support to the poles. The last poles are wired to the ground using 8" diameter landscape anchors.

Poles are placed 45' apart (not 50') to allow for some sag in the netting.

The netting is prepared on the ground and lifted into place. Weight is not a problem, but the wind is, so two ground people are needed to steady the net. To speed up the attachment procedure, use 1 1/2" spring loaded clips to attach the cabled netting to the poles and to the lateral support cable between the poles. Two landscape anchors are installed between each set of poles to attach the bottom of the net to the ground.

Materials: The materials are not inexpensive. For a 50' x 150' section, the following is needed:

4 67' fir poles @ \$500.00 each	\$2,000.00
2 25'x150'nets @ \$500.00 each	1,000.00
700' 3/16" 7x7 cable (net) @ \$.20/foot	140.00
300' 3/16" 7x7 cable (support) @ \$.20/foot	60.00
8 landscape anchors @ \$10.00 ea.	80.00
1000 hog rings @ \$8.00/1000	8.00
50 1 1/2 clips @ \$1.50 each	75.00
20 eye bolts @ \$2.50 each	50.00
Miscellaneous	50.00
Aspirin	5.00
Total	\$3,468.00

These costs do not include labor costs for installation or boom truck costs. We used a boom truck because of the height, but if your net is less than 30' from the ground, a self propelled lifting platform would work best.

If you plan to use netting, I suggest the following"

1. Try other alternatives
2. Visit others who have installed netting

Continued

MEET THE AERATOR THAT'S WORTH THE WALK.



Why are so many turf pros giving up the tractor ride and coming back to the self-propelled Ryan Greensaire® II?

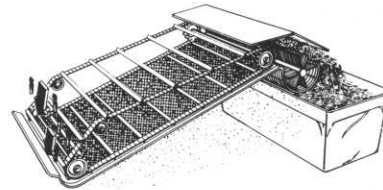
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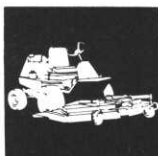
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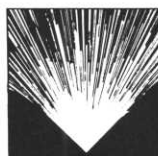


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3. Consider any idea on how to install the netting; do not rule out the "weird" idea.
4. Install netting on calm days.
5. Design the netting so it can be taken down and reinstalled easily.

LEGISLATIVE UPDATE

Pesticide Law Bill (H.F. 485/S.F. 717)

Finally, the key bill for industry recently received hearings. On the House side, the bill was heard in a sub-committee of the Environment Committee. No opposition was voiced against the bill in the sub-committee; however, a few environmental groups wanted the regulations to go further in the areas of human exposure and penalties. Additionally, St. Paul and Minneapolis succeeded in getting an amendment to the bill exempting their local lawn pesticide ordinances from being pre-empted.

In the Senate, the Ag Committee held two hearings in one day and a third has been scheduled in a few days. There is no physical opposition to the Senate bill, but there are also a few groups who want the regulations to go further than proposed.

Issues that are being discussed:

-Human exposure. Senate version calls for a \$5,000 fine for applicators who spray field workers. Excludes drift, but includes overspray and target applications.

-Prima facie evidence. MPFCA is trying to get Sen. Berg and Rep. Kalis to drop wording which would make any drifting of pesticides a violation of law. Dept. of Ag agrees with our position but is not pushing it.

-Fees. MPFCA is very close to persuading the Dept. of Ag to set commercial applicator fees at \$50 per firm license and \$25 per applicator employee. Bill calls for a license fee of \$50 for all applicators.

-Trading services. Looks like Dept. of Ag will bend to farm groups request that farmers be allowed to continue trading application services without being licensed.

-Local ordinances. Probably the biggest disappointment to date. Minneapolis and St. Paul have the muscle in the legislature to kill the proposed bill without an exemption for their local pesticide regulation ordinances. As such, the lawn care and golf course groups are working on a set ordinance for ONLY TURF PESTICIDES which will be spelled out in the law. Only cities of the first and second classes (over 20,000 population) could adopt the ordinance outlined in the bill.

Note: With the recent groundwater problems in the state and the finger pointing at ag chemicals, the Pesticide Law bill is gaining more momentum each day. We just have to stay ahead of the crowd and beat off any bad amendments that may come up.

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SPECIFICATIONS

Weight	300#
Height	67"
Width	Adds 35" to width of truck
Gathering Width ...	55"
Capacity	Clears average green in 15 min.
Elevator	#55 flight chain; low-speed hydraulic motor drive
Box Conveyor	8" Chevron belt; variable-speed hydraulic motor drive
Flotation	Spring-balanced parallel link system with vertical and rotational freedom
Lift	Manual with spring assist
Power Source	Turf Truckster hydraulic system through selector valve
Hydraulic Connection	Quick-disconnect couplers
Weight Transfer	Accessory weight carried through air-adjustable shock absorber by 13 x 6.50 tire

FEATURES

Attachment... Attaches quickly to Turf Truckster by drilling 4 holes and teeing two holes into the hydraulic system.

Vehicle Requirements... A Model 898530-8720 or 898532-8720 Turf Truckster with 3.2 to 1 ratio gears in the auxiliary gear box is required. Older models can be converted to the higher ratio. The truck must be equipped with hydraulic system 887000 or Mod 689, Short Box 883016, or Long Box Sides and Tailgate 883241 and 883727, respectively, and Tailgate Release 885488 for the Short Box or 885489 for the Long Box.

Operation... A hydraulic selector valve allows the operator to direct hydraulic pressure

to either power the Core Harvester or to dump the load of cores when the box is full. The core-gathering device is raised to its transport position by a hand-operated, over-center lever device so it can travel to the dump site with the Truckster. The core-gathering blades can be shifted to either the right or left of center to facilitate a circular driving pattern on the green.

Box Loading... Both short and long boxes can be accommodated by the conveyor loading system. The conveyor motor speed can be adjusted to the type of core material being loaded (i.e., moisture content, mostly sand or mostly soil cores, etc.)

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The Scholarship Committee of M.G.C.S.A. heartily thanks Easy-Go Textron for their generous donation of \$500.00 to the Harold Stodola Memorial Scholarship Fund.

PRESIDENT'S DESK from Page 2

I'd like to encourage all our members to keep abreast of current pest control legislation. Public interest regarding handling, storage, use and disposal of pesticides has increased dramatically. As superintendents, we must be prepared to defend a good record on these issues. MGCSA will attempt to keep you updated.

See you in Faribault on the 13th.



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NEW GOLF TOURNAMENT

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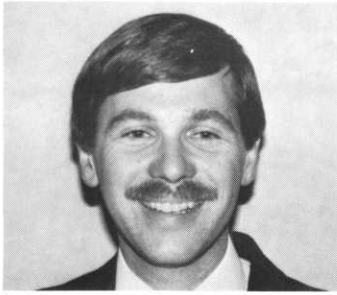


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EDITOR'S CORNER

TOM FISCHER

The start of another golf season is rapidly approaching as we finish with sharpening, engine rebuilding and tuning up the equipment for the months ahead. One thing I have found to be helpful in public relations is painting the apparatus that golfers will be using. This requires only a few days of time and a couple gallons of paint to make that ten year old ball washer look like new. When you walk up to the first tee and see a freshly painted bench, ball washer, tee sign and tee markers, it says that the superintendent takes pride in the way his course looks. Oh, yes, don't forget the post that the ball washer is mounted on. This involves a trip around the golf course with a can of paint and a brush but

adds that finishing touch to the tee area. Other equipment such as flag poles, flags, cups, bag holders, rakes and 150 yard markers or posts should be inspected for damage and replaced or repainted.

As for the mowing equipment, painting every three to five years seems to keep the mowers looking like new with general cleaning throughout the other years. When the golfers see equipment that is well taken care of, it leaves an impression that the golf course is cared for in the same manner. True, this upkeep involves time and money but the image that is presented is well worth the effort.

Great turn out at Majestic Oaks with approximately 140 people in attendance to hear talks on geese control, marking the golf course, black layer, and an overview of golf from the USGA. Our thanks to Don Lindblad for hosting the mini-seminar and to the participating speakers.

Hope to see you on April 13 at Faribault Golf and Country Club. If the weather stays this great, we should be able to play golf. Good luck with the upcoming summer!

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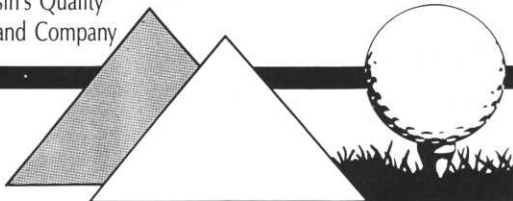
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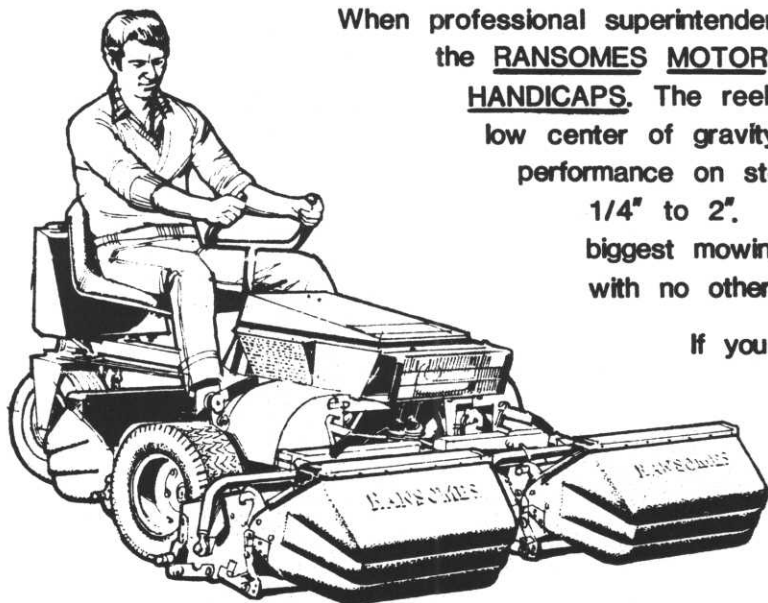
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