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TURF PRO 84



- 1 All three reels are hydraulic powered.** Each has its own hydraulic motor, eliminating one of your biggest maintenance headaches — drive chains and belts, and their constant adjustment, repair or replacement.
- 2 All three wheels are hydraulic powered.** The hydraulic motors which drive each wheel replace chains, belts, gears and other wearprone components with long-lasting, low-maintenance hydraulic power.
- 3 All three wheels are drive wheels.** This, plus a low center of gravity, gives you excellent hillside traction, maneuverability and stability.



- 4 Reversible reel motors are standard.** Permits "backlapping" right on the machine which helps keep your Turf Pro 84 out on the turf and out of the shop. Makes sharpening fast and easy for better job of cutting. Clogged reels clear fast and easy, too.
- 5 Reels lift hydraulically.** Which means they're easy to raise and lower, for crossing roads and cart paths. Saves operator time. Cutting units can be manually locked in an upright position for compact storage.
- 6 Reels have independent suspension.** This means they all follow the contour of the ground to provide a better quality of cut.

- 7 Reel rpm adjusts independently of ground speed.** Lets operator select correct "clip" for height of cut and type of grass.



MINNESOTA TORO, INC.

14900 21st AVE. N.
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 (612) 475-2200
 GLENN N. RASMUSSEN

TORO

MARCH MEETING FEATURES SEMINAR

Great presentations, interesting questions and spirited discussions during the mini seminar left the superintendent participants intellectually sapped when the monthly meeting was called to order. Aside from acceptance of new members it was the world's shortest meeting. Conviviality and an excellent dinner followed.



DISTINGUISHED PANEL. Fielding questions from the floor are left to right, Dr. Donald White, Dr. Ward Stienstra, Dr. Jim Watson, Dr. George Blake and Dr. Robert Shearman of University of Nebraska.



NEW MEMBERS. M.G.C.S.A. welcomes from left to right, Dan DeMars, John Wiley, Maurice Anderson, Don Svor, John Steiner and Bill Tessman.

Nutrient deficiencies, weeds, diseases, thin turf, insects.

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THINK ABOUT YOUR WATERING PRACTICES

BY NICK DUNN C.G.C.S.
HAZELTINE NATIONAL GOLF CLUB

The season will soon be here and we, golf course superintendents, will be putting the irrigation systems on our courses into operation. The irrigation system is one of the primary management tools that we have at our disposal. The proper use of this tool is important.

There are several factors that affect turf needs for water applied in the form of irrigation. The first is the growing season, the actual length of time the plant is actively growing. Second is how much and when the turf receives rainfall. The third factor affecting the need to apply water in the form of irrigation is the evapotranspiration humidity. The fourth factor is the soil type. The last factor affecting a need for water would be the type of grass being managed. We are all aware of how these factors work singly and in combination to affect the plants' need for water applied through irrigation.

I have a reason for pointing out these factors and making you begin to think about them. This is so you will realize that watering practices are an important management tool and that these factors will all vary within a given area. That area being the golf course.

I have talked with many superintendents that have no idea how much water they apply. Some give each green ten or twenty minutes of water or set hoses and sprinklers for sets of times ranging from twenty minutes to hours. It is important to know through the use of measuring devices how much water can be applied in a given period of time at the different locations on the golf course. An example of this idea is at Hazeltine. With our watering system I can apply 1/4" of water to the 3rd green in twenty minutes, but on the 9th green it takes forty minutes to apply 1/4" of water. There are many reasons why variations like the one described occur. It may be the distance from the pumping station, the size of pipe or maybe lack of a loop in the system in this area. Regardless of what caused it, this is one of the things a superintendent should know about the system he operates. I feel it is important for the superintendent to take the time to develop precipitation rates on his own golf course.

Only the golf course superintendent on his own particular course will know his soil types, climatic conditions, and grass types well enough to determine when and how much water should be applied. But if the superintendent hasn't developed the background information needed to be prepared to irrigate, then the superintendent is not using the management tool of watering properly. He will possibly be wasting water and will be slighting his membership with less than superior turf conditions.

DON'T FORGET TUESDAY, APRIL 12

Advanced notice has been sent to each member on the April Meeting slated for the Medina Ballroom at 5:00 p.m. with cocktails and dinner following. A big, big extra is the Toro Open House going on all day and featuring a tour of the new facilities, an in-depth one day service clinic and their first annual prices slashed sale. Be sure to send in your advanced reservation form. Mark your calendar now as the May Meeting is scheduled for Monday, May 16 at the Honeywell Country Club and golf is definitely on the agenda. More details later.

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Adelphi Kentucky Bluegrass,* the man-made bluegrass, is one of the outstanding turfseed varieties your Northrup King man can offer you.

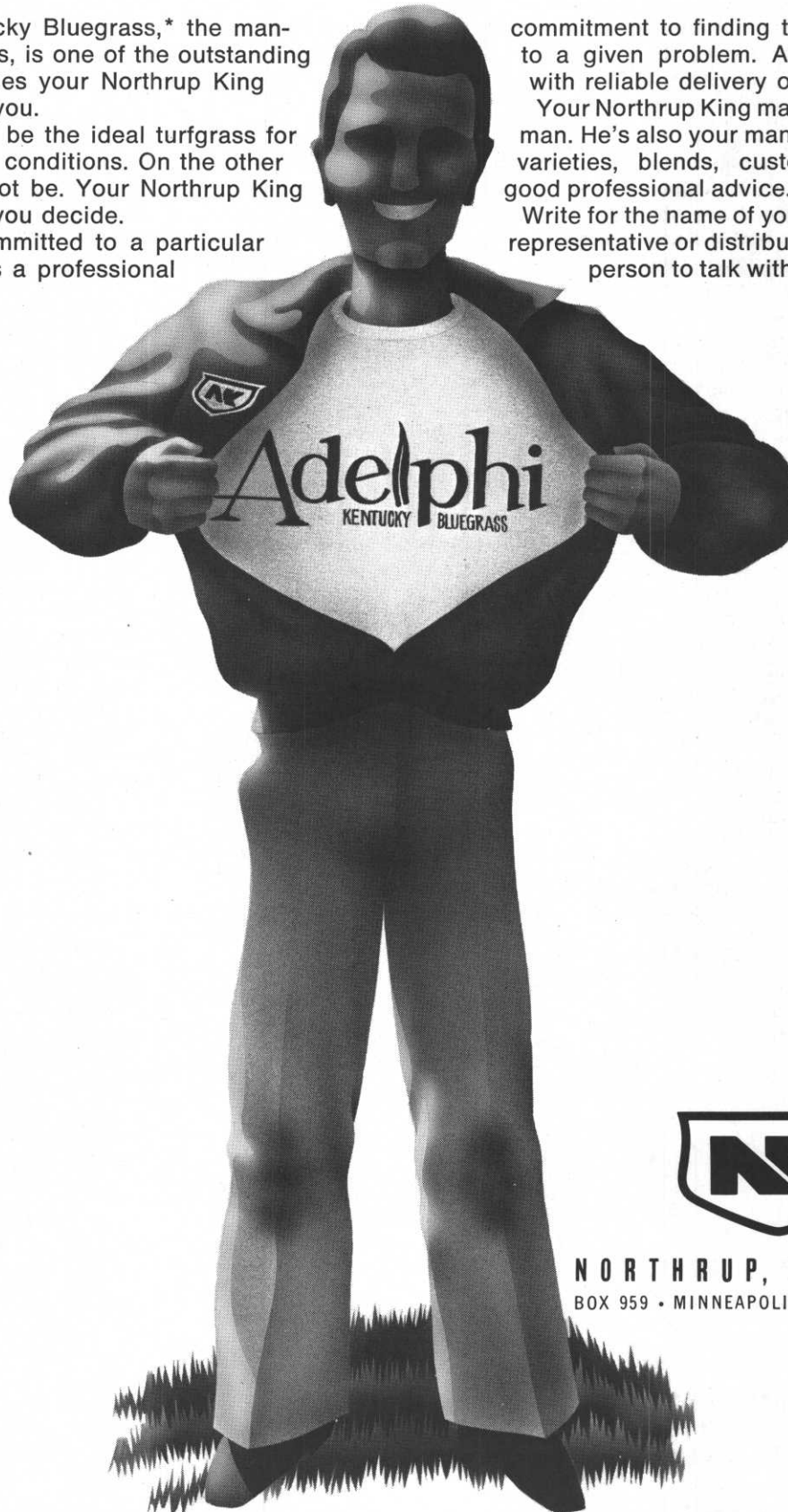
Adelphi may be the ideal turfgrass for your particular conditions. On the other hand, it may not be. Your Northrup King man can help you decide.

He's not committed to a particular variety. He has a professional

commitment to finding the best solution to a given problem. And following up with reliable delivery of quality seed.

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*P.P. 3150

Choosing the Best Summer Crew

Although it's still early, now is the time to think about hiring summer crew help. Some young people may already have contacted you during the Christmas holidays or during their semester break; more will come during spring break, and the crunch will hit as the end of the school year approaches. How you choose your summer help could make a big difference in the kind of summer you have.

Most superintendents hire from two pools of labor — turf students and nonturf high school and college students. Experience has shown that men and women work out equally well. Turf students often need on-the-job training as part of their education, and you can influence the future of your profession by helping them learn on your course.

Turf students are interested in turf management, not just in a summer job, and they bring a certain degree of expertise and understanding.

Your supervision during the summer can be of real benefit to the students when they return to school in the fall, too, especially if you have given them genuine experience over a broad range of tasks. Many superintendents have a list of operations a turf student should try during a summer internship — mowing greens, managing equipment, calibrating spray equipment and numerous others. If you give the students broad experience, they will give you hard work and effort in return, and your goodwill rating will be boosted as well.

Aside from turf students, what kinds of people make good summer golf course employes? Those who want to work outside and who enjoy hard work, those who can be on their feet and operate machinery all day, those who will get to

work on time, stay the required number of hours and follow through on assignments — these are the people who belong on your golf course.

Before you hire a summer employe, consider exactly what you want that person to do and be sure that you will have enough work to keep him busy all day every day. Boredom robs your employes of enthusiasm and a lack of enthusiasm robs you of quality workmanship.

When you know clearly what you want from an employe, choose persons to hire by evaluating their job application forms and conducting a thorough interview. Have them use a standard application form that asks for personal data, job experience and educational background. The form, available at most office supply stores, should have a place for your comments and for recording the date work began and the salary. This will give you similar information on each person so you can compare one to another.

During the interviews try to ask each person about the same questions so you can compare their answers. Ask each to expand on his work experience and try to assess some of the following: Is this person interested in the work? Has he shown leadership? Does he seem forceful and appear to have good reasoning ability? Is he sincere about his ambitions and objectives? Does he really want to become involved? What is the extent of his knowledge in the field and his interest in learning more? Does he show pride in a job well done? You can ask about the person's future plans as well as his past experience, and certainly find out what his job goals are. Ask what he expects from this position and why he wants the job.

Tell each applicant exactly what the job and working environment will be and what you expect in the way of standards of conduct and quality of work.

Discuss salary in full. Most summer employes will be paid a little above the minimum wage. Tell the person when payday is and about how much each check will be. Discuss vacations and other requests for time off in advance, make clear whether holidays will warrant more than the standard hourly rate and what overtime arrangements there are, if any. Discuss withholding tax, and tell students about the special W-4 forms that will exempt them from having money withheld.

Mention equipment or clothing that is provided by your course and explain OSHA regulations that will affect the employe. Ask the applicant if he has any questions, and evaluate what he asks as you provide answers.

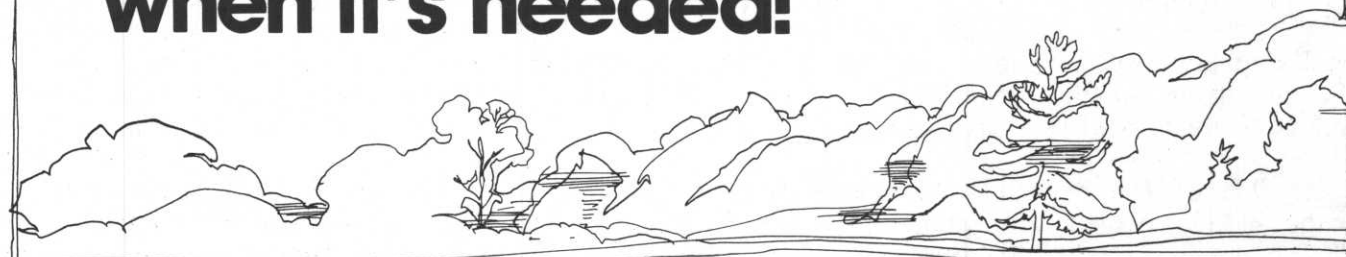
How you start the new person working will depend on his experience or lack of it and on the job to be done. For the novice, some superintendents provide a map of the course, lead the person to the first tee, and send him around the course to pick up trash, sticks, etc., to familiarize him with the physical layout. Sometimes new employes are encouraged to play a round of golf first, to get a feel for the course. Then start the person on the first task, with complete instructions and with someone around to help for a few days.

When you thoughtfully and thoroughly choose your crew members and when you keep them busy and give them lots of encouragement throughout the summer, you will have few personnel problems and your work will be well done.



The new Bergerson-Caswell eight-acre facilities in Maple Plain, Minnesota include 4700 sq. ft. of offices, 6000 sq. ft. of heated shop with 1900 sq. ft. of storage and an adjoining 5000 sq. ft. metal building for cold storage. Drop in and visit when you are in the area.

USS Tournament 18-0-9... We can tell you when it's needed!



All it takes is a soil test and your local USS Vertagreen distributor is ready to assist. USS Tournament 18-0-9 was developed especially for fairways that have received phosphate over the years and where soil tests show that no additional phosphate is needed.

This economical product will keep your roughs and fairways green and growing because 25%

of the nitrogen is from urea-formaldehyde. It also contains sulfate of potash for lush, green color. And the formulation is rounded out with secondary and micro-nutrients as well as chelated iron for uniform growth. USS Tournament is another reason we say "see the best, for the best" — and that's your local Vertagreen distributor. He can always tell you what's needed.

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GREEN CLIPPINGS

CLIP 1: A mandatory classification information request will be included with your annual G.C.S.A.A. billing notice. There will be no separate green reclassification information card for G.C.S.A.A. members to return this year. Instead, the information request form will appear on the backside of the remittance copy of the annual dues notice. The request for current position title and past employment history is a result of the 1976 Bylaw change (Article I, Sec. 4G). Completion of the information on the remittance copy by each G.C.S.A.A. member is necessary before final processing of the Membership renewal can be accomplished. Annual billing notices are scheduled to be mailed from G.C.S.A.A. Headquarters on April 29, 1977. This year, a return envelope has been included for the member's convenience.

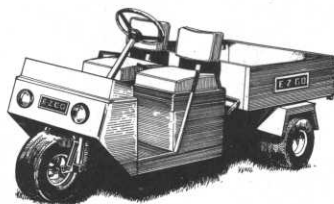
CLIP 2: One of the benefits of membership in G.C.S.A.A. is the group life insurance coverage. All members who were under age 55 at the time they joined (or rejoined) G.C.S.A.A. have \$1,000.00 worth of group life insurance coverage. Those who were age 55 but under 65 at the time of joining have \$250.00 worth of coverage and those who were over age 65 have no coverage. Pacific Mutual Life Insurance Company is the carrier. This insurance coverage is automatically included with each eligible individual's membership. It is not an optional program. We are experiencing problems with new applicants not completing the insurance enrollment portion of their applications. It is very important that the full name of the beneficiary and the relationship of the designated beneficiary to the member be provided. If this information is not completed and the member should die, then his benefits would be paid to the estate.

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CLIP 3: On the local front, Membership Chairman, Dick (Goldyllocks) DeSplinter, has been working diligently with the M.G.C.S.A. staff collecting all the information, changing all the classifications and generally doing all the chores necessary in preparing a new M.G.C.S.A. membership roster. The preliminary work is now almost finished with the final copy headed to the printers in a few short days. We are sure that every member will find the 1977 roster a most helpful and informative tool in the carrying out of your many varied daily assignments. A giant thank you is in order for Dick who has made this roster possible through the unselfish giving of his time.

**
** HAVE YOU CONTACTED A **
** PROSPECTIVE MEMBER YET? **
**

SPRINGTIME IS SWEEPER TIME



**This hulking thing can pick up
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720E-HL • 730-HL

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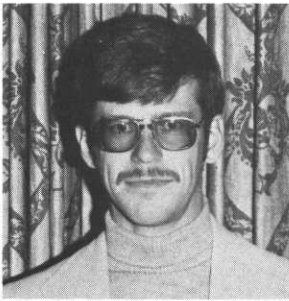
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MEET YOUR SUPERINTENDENTS !



Randy Nelson is the golf course superintendent at the Owatonna Country Club. This year Randy will be starting his third full season at this course. Previously, he had worked at the Austin Country Club for six years, three years as assistant superintendent and one year each at the Edgewood Municipal Golf Course and the Fargo Country Club. In between all this, Randy found time to graduate from Penn State's Turfgrass Management Winter Course in March of 1974. Randy is married to a school teacher named Julie and presently they have no children. Some of Randy's interests include golfing, hunting, fishing and curling. He also is a board member of the Owatonna Curling Club.



Dennis Hendrickson is another one of the ambitious young lions that is becoming increasingly prevalent in M.G.C.S.A. Honeywell Country Club in Lakeville is where Dennis is now entering his sixth year as superintendent. An Augsburg College graduate, he previously worked at the Koronis Hills Golf Club in Paynesville, his home town. Dennis was also employed by Northrup King for ten months upon graduation from college. He has been married for three years and his wife's name is Sally. Dennis is a member of G.C.S.A.A. and likes to water ski, golf and cross country ski in his spare time.

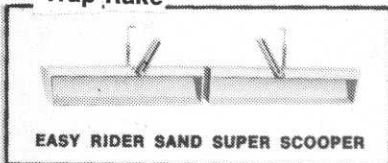


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Truckster transmission teamed with the variable-speed governor assures uniform ground speed over varying terrain. And the accuracy of the metered spray can reduce chemical waste.

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