Pull the Plug on Soil Compaction.

Ryan® Greensaire® Aerators

Whether you need a walking, riding or towable aerator, the Ryan Greensaire series offers the productivity and versatility your course demands. The Greensaire 24 delivers 36 holes per square foot and has a walking transport speed of 4-mph. The Greensaire 30 riding aerator offers variable tine spacing and precise coring at depths of 3-3/4 inches. And for your fairways, the Cushman Greensaire 60 has a 60-inch coring width to aerate up to 1.5 acres per hour. For the leading aerators in the industry, come in or call today.
It was a beautiful day for golf at Brackett’s Crossing and the May Meeting. Our thanks go out to Tom Proshek and his staff for providing us with a well manicured track to play. Thanks also go out to Dr. Jon Powell for his presentation. We were able to see just what a difference different covers make.

Speaking of beautiful days for golf, there have been very few here at Heritage. The anticipated spring rush just hasn’t taken place. We are plenty busy, but I would have anticipated more traffic with the late start. I hope that this is not some indication of a slow down in the interest to play.

The Drive for the U program will be entering the second phase with requests from you the members to contribute in kind donations of machinery, materials or expertise. If you are wondering if what you have might find a home at the University please call Jon Powell and ask him if they have a place for what you would like to donate. (See contributor list on Page 36)

As we enter the spring rush and get into full swing, don’t forget to take some time to spend with your family, friends and loved ones. You never know when they might be gone. Most of your adult life will be spent working and there is no prize for those that try to pack twenty hours of work into a twelve hour time period. Budget your time so that you have a chance to look around you and appreciate what you have accomplished, I guarantee you that others are appreciating it.

You have received the mailing for the Scholarship Scramble. I hope that you will all attend. Dakota Ridge is a beautiful and challenging track for all golfers. So mark your calendars for June 18.
Inside This Issue of Hole Notes

1. Provo, Parske, Peters & Eckholm
   Win Mixer at Brackett's Crossing

5. Impatiently Waiting for Warm Weather
   - Bob Vavrek, USGA Agronomist

9. GCSAA Examines Management Practices
   - GCSAA

10. Scholarship Scramble Set June 8
    At Dacotah Ridge Golf Club
    - By Mike Nelson, Superintendent

14. Field Days at the U of M - Jon Powell


17. Now is the Time to Be Conservative
    With Fertilization -- Bob Brame, USGA

18. With the Grain or Against It?
    - James Snow, USGA Green Section

22. News from Across the Seas -- World Wide Web

24. The State of the GCSAA -- Steve Mona

31. MGCSA Turf Tourney Nets $10,880

35. Who Are BIGGA?

Departments

3. From Your President's Desk
   - E. Paul Eckholm, CGCS

25. Membership Report - Dan Swenson

38. Editor's Report - Richard Traver, Jr., CGCS

Advertisers

Aquatrols..........................................................17
Century Rain Aid..............................................INSERT
Classified Ads..................................................6
Country Club Turf.............................................30
Cushman Motor Co., Inc..............................14
Double Eagle Golf Construction......................16
DBI.................................................................BC
DTN Weather....................................................12
E.H. Renner.......................................................31
Gill Miller, Inc.............................................10
Glenn Rehbein................................................35
GreenImage......................................................29
Hassan Sand & Gravel.................................31
Hartman........................................................4
Hedberg.........................................................38
Herfort-Nerby................................................16
Hydrologic......................................................32
Howeney Construction.................................35
Leitner Company...............................................13
Minnesota Golf Cars......................................33
MTI Distributing Co., Inc..........................20
MTI Distributing Co., Inc..........................21
North Star Turf...............................................IFC
North Star Turf...............................................7
Par Aide Products Co....................................28
Plaisted Companies Inc...............................11
Precision Turf & Chemical.........................34
Premier Irrigation...........................................26
Prinsco..........................................................27
RDO Equipment...............................................8
Syngenta........................................................15
Sustane..........................................................IBC
Turf Supply Company.................................19
The Andersons.................................................18
Twin City Seed................................................37

MGCSA CALENDAR

Monday, June 18
SCHOLARSHIP SCRAMBLE
Dacotah Ridge
Host Superintendent: Mike Nelson

Thursday, July 26
U OF M FIELD DAYS
University of Minnesota
Host: Dr. Jon Powell

Monday, August 20
MGCSA CHAMPIONSHIP
Wayzata Country Club
Host Superintendent: Bob Distel

Tuesday, September 25
HAROLD STODOLA SCRAMBLE
Edina Country Club
Host Superintendent: Mike Kelly

Wednesday, October 3
MGCSA FALL MIXER
Rutger's Bay Lake Lodge
Host Superintendent: Joe Wollner
Impatiently waiting for the warm weather... The upper-Midwest could sure use the spell of unusually warm weather that jump-started the turf growth and development in New England a few weeks ago. Many courses in central to northern Minnesota, Michigan, and Wisconsin are still awaiting the first sustained surge of turf growth this year. Scars from severe snow mold injury have been extremely slow to heal. Pockmarks from dollar spot injury that occurred last September and October are still evident on greens as well.

Slow recovery has encouraged some superintendents to apply extra fertilizer to the playing surfaces at a time when soil temperatures are not high enough to initiate the release of nutrients. This strategy can backfire when the weather finally warms up and a flush of heavy growth occurs.

Too much topgrowth during the spring causes several problems. The obvious concern is keeping up with mowing at a time when the maintenance crew is not yet fully staffed. Furthermore, excessive leaf tissue is often produced at the expense of root growth. Root growth needs to be encouraged before the hot weather arrives. Wet weather during April and early May has already limited root growth. Shallow root growth was noted on greens during several Turf Advisory Service visits.

It was encouraging to find core cultivation operations on greens, tees, and fairways well underway during visits. Coring the playing surfaces is one of the most effective ways to stimulate deep, healthy root growth. Golfers need to be reminded that the holes will heal over slowly during cool, cloudy weather.

To make matters worse, the combination of lingering snow mold injury and slow growth provides an opportunity for weed encroachment. It’s already another banner season for dandelions and knotweed in fairways and roughs. It might not be a bad idea to plan pre-emergence herbicide applications for areas that have a history of crabgrass problems. At least budget for applications of post-emergence herbicides such as quinclorac (Drive) turf or fenoxaprop (Acclaim) just in case crabgrass appears with a vengeance on thin bunker banks, fairways, and roughs.

Let’s hope that next month’s update is more upbeat.

Source: Bob Vavrek rvavrek@usga.org or 262-797-8743

APPLICATIONS FOR 2001-2002
MGCSA SCHOLARSHIPS AND LEGACY AWARDS ARE NOW AVAILABLE

The MGCSA provides scholarships to students attending college or vocational programs at any accredited post secondary institution.

Scholarship recipients are selected on the basis of academic record, potential to succeed, leadership and participation in school and community activities, honors, work experience, a statement of education and career goals and an outside appraisal.

The MGCSA Legacy Awards offer educational aid to the children and grandchildren of Class AA, A, B, C, D and Affiliate members who have been active members.

Questions regarding the scholarship program should be addressed to:

MGCSA SCHOLARSHIP COMMITTEE
240 Minnetonka Ave S., Suite 212
P.O. Box 617
Wayzata, MN 55391

Phone: (952) 473-0557 Fax (952) 473-0576
Toll Free: 1-800-642-7227
E-mail: scott@mgcsa.org
Website: www.mgcsa.org

APPLICANTS FOR 2001-2002
MGCSA SCHOLARSHIPS AND LEGACY AWARDS ARE NOW AVAILABLE

The MGCSA provides scholarships to students attending college or vocational programs at any accredited post secondary institution.

Scholarship recipients are selected on the basis of academic record, potential to succeed, leadership and participation in school and community activities, honors, work experience, a statement of education and career goals and an outside appraisal.

The MGCSA Legacy Awards offer educational aid to the children and grandchildren of Class AA, A, B, C, D and Affiliate members who have been active members.

Questions regarding the scholarship program should be addressed to:

MGCSA SCHOLARSHIP COMMITTEE
240 Minnetonka Ave S., Suite 212
P.O. Box 617
Wayzata, MN 55391

Phone: (952) 473-0557 Fax (952) 473-0576
Toll Free: 1-800-642-7227
E-mail: scott@mgcsa.org
Website: www.mgcsa.org
FOR SALE
Toro normally open hydraulics.
630s, 640s, 650s & 680s
Contact:
JAMES BADE
Somerset Country Club
(651) 457-1161

FOR SALE
115 Cast aluminum round tee markers.
$28.75 each (new). Will sell entire set for $1,000.
Contact:
SCOTT GREENFIELD
Spooner Golf Club
(715) 635-6438

FOR SALE
(3) 1991 John Deere Walk-Behind Model MA Irrigation Clocks ~ Free
1988 Jac 720 Sweeper - $1,995
1994 Jacobsen TriKing - $2,950

FOR SALE
1968 Ford 3500 Backhoe ~ $6,900
Air Max Circulating Fans
(2) Less than 10 hours use.
5hp Briggs I/C, new condition.
$500 each
Contact:
CHAD BRAUN
Prestwick Golf Club
(651) 459-0288

FOR SALE
Goosen Bale Chopper
13hp motor, used very little.
$3,000/make offer
Contact:
STEVE SCHUMACHER
Izzy’s Golf & Yacht Club
(320) 532-4284

FOR SALE
Toro HTM 175 Fairway Mower
Now parts last season.
Price reduced to $2,750 or best offer.
Any reasonable offer will be accepted.
(2) Ryan Aerifiers/make offer
Contact:
MIKE COHRS
Bluff Creek Golf Course
(612) 799-0605

FOR SALE
1990 7-blade Toro Fairway Mower 450-D
Unit sharpened and ready-to-go ~ $6,000 or best offer.
7-blade Spartan Rough Mowers + frame, sharpened and ready-to-go
Contact:
MARK BOONSTRA
Hollydale Golf
(763) 559-4458

FOR SALE
(1) 4" CLA-Valve, used, fair cond..............................$200
(1) 6" CLA-Valve, used, good condition..................$400
Cast iron Flange Tee, 6x6x8, used........................make offer
Cast iron Flange Tee, 6 x 8 x 6, used...........................make offer
Cast iron Flange Reducer, 6x8, used..........................make offer
Dethatching Reels (Model 03516) for Toro RM5100/5300, like new, set of $1,500
(1) Parkmaster/Spartan Reel Assemblies, 5-blade, complete, good cond........$250
(5) Blade reels for RM216, used like new.........................$150/set
GM72 Deck Wheels, brand new, 12-1509..........................$25/pair
Model 134 Plug Pusher for Toro GM300/3000, like new........................make offer
Rear weight for Toro GM200/300..............................$25
Tire/Rim for Toro GM52, 20x8:00-10, good cond................$25
Husqvarna 36R Weed Whip, parts only..........................free
QHA assemblies for Toro GM300/3000 reels, used, good cond........................make offer
Scraper Brush Assemblies (33-1000) for Toro GM300/3000, new/used........................make offer
Scraper Comb Assemblies (11-0070-01) for Toro GM300/3000, new/used..............m.o.

Contact: TOM FISCHER, CGCS
Edinburgh USA/City of Brooklyn Park
(763) 315-6582
Golf course superintendents have trusted their golf courses to Scotts Seed and ProTurf fertilizers for years.

Many have also trusted North Star Turf as their preferred supplier of seed, fertilizers and control products. Why? Prompt delivery of the products they need when they need them.

Our goal is to provide you with cutting edge nutrient technology and on-time delivery of the industry's most recognizable name in fertilizer.

If you have used Scotts products in the past, we welcome you on board. To our loyal customers, we look forward to showing you how Scotts ProTurf products can improve the turf quality, appearance and playability of your golf course.

North Star Turf and Andersons/Scotts ProTurf. Two trusted names. One common goal. Contact your NST Scotts Sales Rep by calling 651-484-8411 or 800-592-9513.
Providing Our Customers
Superior Products..... From A to Z

Air Compressors  Gators

Skid Steers  Zero-Turn Radius Mini Excavators

...And all the stuff in between.

WE PROUDLY SELL & SERVICE THE FOLLOWING LINES:
- JOHN DEERE
- SULLAIR
- HITACHI
- GEHL
- TOWMASTER
- WACKER

CALL ANY ONE OF OUR
MINNESOTA LOCATIONS:
- BURNSVILLE  952-890-8880
- MANKATO  507-387-1836
- MARSHALL  507-532-0994
- ROCHESTER  507-282-8888
- ST. CLOUD  320-259-6222

VISIT US AT:  www.rdoequipment.com
Member of MGCSA
First-ever national survey reflects positively on golf courses

Results of the first comprehensive national survey of golf course management practices in the United States indicate golf facilities can be maintained in a manner that is compatible with the environment. These findings were released recently at the Golf Course Superintendents Association of America (GCSAA) International Golf Course Conference and Show in Dallas, February 11-17.

"More so than the results, the most important news is a process is in place to examine the performance of golf courses," said GCSAA President Tommy Witt, CGCS. "The debate about golf's impact on the environment has been clouded by a lack of complete and nationally-aggregated data that has led proponents of pro-golf and anti-golf factions to make assertions that have not necessarily been supported by fact. As we conduct this annual survey, we will be collecting data that will be used to assist golf courses in their operations."

Perhaps the most revealing finding was the importance of golf facility green spaces for protecting and managing various types of wildlife habitat. Approximately 63 percent of survey respondents indicated their golf courses managed specifically for wildlife. In addition, facilities owned or controlled an average of 100.3 acres of wildlife habitat. The most common forms of habitat are freshwater bodies (found on 78.8 percent of golf courses), deciduous woodlands (67.9 percent), wetlands (51.9 percent) and streams/rivers (48.9 percent).

Median golf course irrigation water use is 78 acres or 70 percent of managed turf areas. The national irrigation median is the equivalent of 13.5 inches applied to irrigated areas per year.

85.4 percent of golf courses have at least one certified pesticide applicator, with an average of two certified applicators per golf course. It should be noted that some states do not require certification for golf courses, while other states require certification for restricted use pesticides which golf courses typically do not use.

The survey was conducted under the auspices of the Golf and Environment Initiative - a consortium of more than 20 golf associations and environmental organizations that have been examining the game's relationship with the environment since 1995. As a member of the Initiative, GCSAA voluntarily surveyed its members as part of a collaborative effort to build a national database of environmental data for golf courses.

"This is an important step in collecting objective data that both the golf industry and the environmental community can use to evaluate environmental conditions on golf courses," said Paul Parker, executive vice president of The Center for Resource Management. The Center is a non profit organization which manages and facilitates the Golf and Environment Initiative.

Witt expressed his pleasure with the results of the survey because they validate a significant body of research that has been conducted by numerous agencies during the last two decades.

"There has been some very positive research on golf course management practices conducted by public and private organizations...the body of data tells us golf courses can be managed in a manner that is compatible with the environment."
Scholarship Scramble Set for June 18
At Dacotah Ridge Golf Club

Here is a Hole-by-Hole Description of the Course

By MIKE NELSON
Superintendent, Dacotah Ridge CC

The following is a hole-by-hole description of Dacotah Ridge Golf Club. I hope many of you can make it out to the Scholarship Scramble on Monday, June 18. Being out here on the prairie the wind usually plays a factor so be sure to bring your punch shots and bump and run game just in case. the course is designed by Rees Jones and he has done a wonderful job out here. It is a challenging yet fun course to play.

Hole 1, Par 4, 342 yards
This hole is a dogleg left, the right side of the landing area is generous and slopes up to contain the tee shot, so try to play away from the fairway bunker and Wabasha Creek on the left. A bunker protects the left side of the green as well, so use the open entrance at the right front of the green.

Hole 2, Par 4, 422 yards
Slight dogleg right with Wabasha Creek directly in front of the tee areas, but doesn’t really come into play. The series of fairway bunkers protecting the right side of the landing area do, however, so favor the left side. A large bunker on the right protects the green, but an open, generous approach allows shots to be bounced onto the green.

Hole 3, Par 5, 541 yards
A spectacular view greets you at the tee of this long par five. Play down the right side of this hole to avoid the large deep bunkers on the left. The greenside bunker is also something to be avoided. Use the slope on the right side to reach the approach to the green.

Hole 4, Par 3, 165 yards
A downhill par three that has water left and a large bunker right. The challenge continues once on the green because of the distinct tier between front and rear hole locations.

Hole 5, Par 4, 371 yards
The fifth hole is a dogleg right and a true risk reward hole. Bite off as much as you dare, otherwise use the fairway area on the left to go around the lake. The bunkers to the right of the dogleg and the green present themselves as hazards but will save you from a worse fate.

Hole 6, Par 5, 519 yards
Stay to the left of the fairway bunker at the first landing area. After an uphill tee shot the rest of the hole plays distinctly downhill. Staying to the left and short on the approach to the green is the safest route. Shots hit long or right of the green will find the large bunker that surrounds it.

Hole 7, Par 3, 170 yards
The Wabasha Creek runs down the left side of this hole and a pin location on the left side of the green will mean flirting with the hazard if you want to shoot for the flag in hopes of a birdie. The approach is open to the right front section of the green. Shots hit long will find the greenside bunker.

Hole 8, Par 4, 386 yards
There is a swale off the left of the fairway from tee to green that is hazard. Favor the right side of the fairway all the way to the green. A subtle green surface that is protected by a large bunker front left. Avoid going long or left as the green surrounds drop off dramatically to the hazard.

Hole 9, Par 4, 404 yards

(Continued on Page 13)