

POLFUS IMPLEMENT'S

Large Area Rotary

More than just a mowing machine!

Shown on John Deere 955 Tractor



- 50 or 60 inch Self-Leveling Deck
- Unitized Main Frame
- 2 Point Coupler (Quick Tach)
- Able to Mow up to 30° Above or Below Horizontal

- 72" - Mid Mount Deck
 - 50" - or 60" Wing Decks
- } Combines for 10 ft. or 11 ft. cut
- Unmatched Maneuverability
 - Excellent Serviceability
 - Operate Decks Simultaneously or Independently



- Unit Compatible with John Deere 855 & 955 Tractors
- Hydrostatic Drive
- Independent Live PTO
- Available with 4WD for Added Traction

For further details or a demonstration call: **Polfus Implement:**

New Richmond, WI • (Park Nursery) Stillwater, MN • Hastings, MN 612-439-6776 • 715-246-6565

MGCSA, 6 Minnesotans Cited by GCSAA For Scholarship, Research Support

The Minnesota Golf Course Superintendents' Association was one of 14 chapters providing financial support to GCSAA Scholarship & Research during the foundation's recently completed 1990-1991 fiscal year.

In addition to the chapter's donation of \$1,000, six residents of Minnesota were members of the Golden Tee Club, the grassroots support organization for GCSAA S&R.

"Chapter and individual member support are absolutely crucial to our ability to fund turfgrass research and to offer scholarship assistance to future golf course superintendents," said Stephen G. Cadenelli, CGCS, president of GCSAA. "We commend the Minnesota GCSA and its members for their high level of involvement and assistance."

The Minnesota GCSA earned a "group" membership in the

Golden Tee Club for its contribution. Cadenelli and fellow board members also noted with appreciation the following Minnesotans who held individual memberships in the Golden Tee Club:

Thomas C. Fischer, CGCS

Douglas R. Mahal, CGCS

Keith Scott, CGCS

Gary A. Shampeny

John Staver

John G. Szafranski

Golden Tee Club membership is open to individuals who contribute \$100 or more annually and corporations, clubs, chapters and other organizations that contribute \$1,000 or more annually to support GCSAA S&R. During the past fiscal year, contributions to the club totaled almost \$20,000.

EPA May Extend UST Insurance Deadline

The EPA has proposed a 14-month extension for Category IV underground storage tank owners/operators to prove financial responsibility.

The proposal, which was published in the August 14 *Federal Register*, would push back the federal deadline to December 31, 1992, for most golf operations with USTs. However, individual states will have the option of keeping the current October 26, 1991, deadline, or extending it to match federal requirements.

EPA is now accepting comments on the proposal, which was drafted under pressure from congressional representatives concerned about the financial stability of small businesses located in states without EPA-approved trust funds. Currently, 22 states have received EPA approval for UST trust funds; 12 more have submitted trust fund programs for approval.

Golf operations should be aware that, regardless of the financial assurance deadline, they are already responsible for cleanup costs, third-party liability and associated legal fees resulting from a leak or spill. GCSAA sponsors a low-cost UST insurance program that can assure your club or course will have the resources to survive such an incident. For details, call GCSAA's communications department at 913/832-4470.



Golf Car, Turf Utility Vehicle Report Released

The Center for Golf Course Management (CGCM), the marketing research division for the Golf Course Superintendents Association of America (GCSAA), has announced the release of its second 1991 marketing research report.

The *Golf Car and Turf Utility Vehicle Report* offers detailed information on golf cars and turf utility vehicles used by golf course superintendents.

The report presents statistics on the market share, typical lifespan and product ratings of golf cars, modified golf cars for maintenance tasks and light- and heavy-duty turf utility vehicles, cross-tabulated by manufacturers. In addition, capital expense data is presented for each product category.

This report also provides a section on course demographics including type of facility, number of holes and budget levels.

Two more CGCM marketing research reports will be released later. They are:

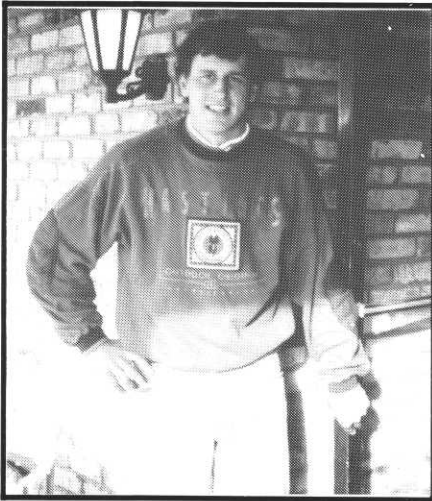
- The *Mower and Maintenance Equipment Report*
- The *Buying Habits of Golf Course Superintendents Report*

The *Mower and Maintenance Equipment Report* will provide manufacturers and suppliers with information and statistical summaries, broken down by manufacturer. The report will feature data on product inventories, market share and superintendents' ratings of specific products' performance, reliability, service and support. The report also features sections on demographics, capital expenditures and more.

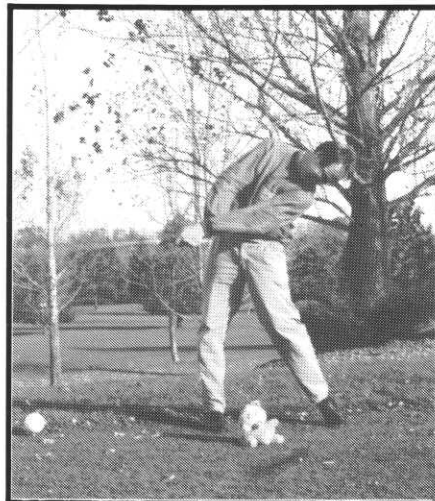
The *Buying Habits* report will feature summarized information from three specialized CGCM reports (*Golf Car/Turf Utility Vehicle*, *Mower/Maintenance Equipment* and the previously released *Pesticide and Fertilizer Usage*) and a section devoted to maintenance trends in the golf course management industry.

The *Golf Car and Turf Utility Vehicle Report*, as well as the *Mower and Maintenance Report*, are priced at \$1,500 each. The *Buying Habits of Golf Course Superintendents Report* will be released in late October at a price of \$185. The *Pesticide and Fertilizer Usage Report* is available for \$2,500.

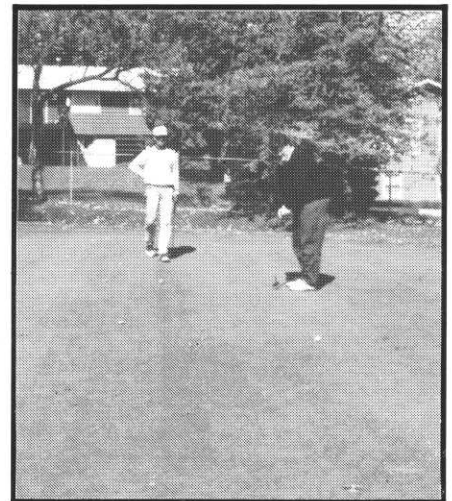
MGCSA Outing at Hastings Was Most Enjoyable



HOST SUPERINTENDENT Tom Feriancek of Hastings, CC.



GETTING a little help from Garfield is Jim Gardner, Rochester CC.



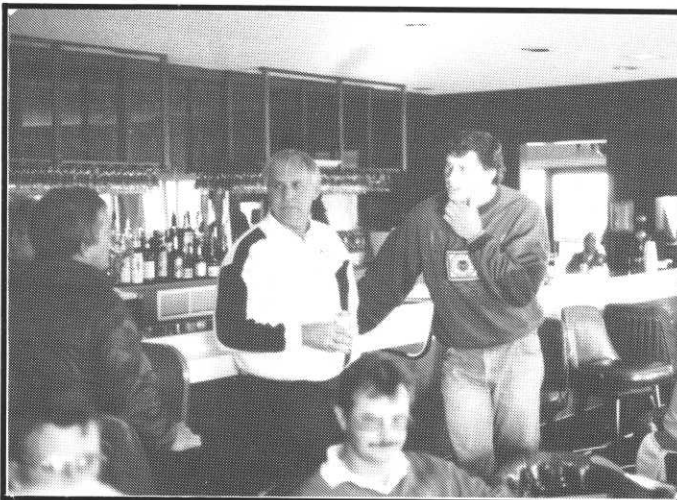
SHOWING his putting stroke to Randy Nelson, Willingers GC, is Butch Greeninger, MTI.



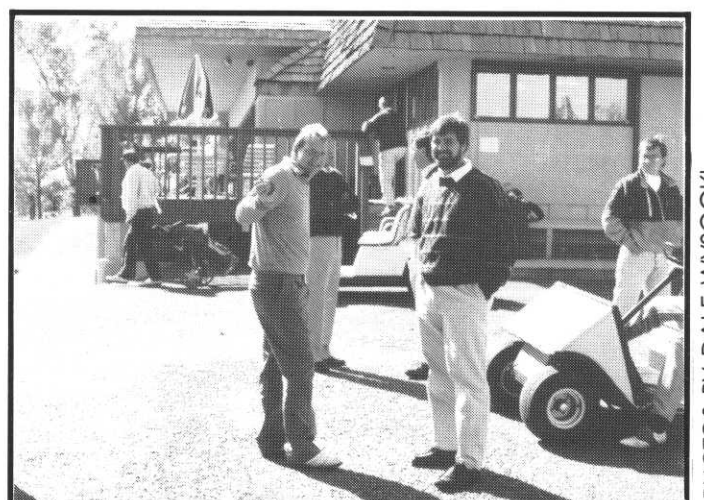
FRIENDLY FOURSOME—From left are Butch Greeninger, MTI; Scott Bjorge, Owatonna CC; Randy Nelson, Willingers GC; Bruce Spiers, RW Golf Cars.



BLASTING out of trouble is Dale Wysocki, Faribault G&CC.



LISTENING to Jim Lindblad, left, Wayzata CC, are Tom Feriancek, right, Hastings CC, and Bill Johnson, center, Edina CC.



CHATTING are Paul Mayes, left, Links at Northfork, and Dan Miller, North Star Turf.

GCSAA Dedicates Its New Headquarters

A vision of meeting the future challenges of golf course management unified the crowd gathered to dedicate the Golf Course Superintendents Association of America's new international headquarters.

GCSAA members, golf industry VIPs and local dignitaries arrived in force on September 7, to celebrate the formal dedication of the association's new state-of-the-art facility in Lawrence, Kan. The two-day celebration also commemorated GCSAA's 65th anniversary.

GCSAA President Stephen G. Cadenelli, CGCS, presided over the formal ceremony and officially gave the new headquarters building to its members, saying that the new structure embodies where the association has been, what it stands for now and where it is headed.

"This building is a symbol," Cadenelli said. "It is more than brick, mortar and steel. It is a symbol of how far this organization has come in a relatively short—but also long—period of

time. More importantly, it is a symbol of the profession. We have truly become a leading profession throughout the world of golf."

Cadenelli added that the entire association owed a debt of gratitude to all of the past presidents who helped bring GCSAA to where it is today.

Rep. Jim Slattery, a U.S. congressman from Kansas' 2nd District, also attended the dedication and addressed the crowd. Slattery, familiar with environmental matters, said the association should be proud of its new building and of its accomplishments in the environmental arena.

"This is truly a spectacular building," Slattery said. "I'm absolutely convinced that those who succeed you will be able to take pride in your vision and creativity."

In closing his keynote remarks, Cadenelli pointed to GCSAA's future: "This building represents our (GCSAA's) willingness to meet the future head on. The future of golf course management is challenging. The regulations with which we must comply, the concerns over the environment are critical. I am convinced that golf course superintendents will be able to meet those challenges.

"This building is a dedication and commitment to excellence."

GCSAA Mourns the Passing Of Its Last Charter Member

Chester Mendenhall, a past president and the last of the Golf Course Superintendents Association of America's (GCSAA) founding fathers, died September 25 at a hospital in the Kansas City area at age 96.

Mendenhall died 18 days after helping to dedicate GCSAA's new headquarters building and observe its 65th anniversary in ceremonies in Lawrence, Kan., where GCSAA is based.

Taking part in GCSAA's building dedication and anniversary proceedings September 7 "meant everything to Chet," said his wife, Sue. "Chet said many times after GCSAA invited him to participate, 'I've got to stay well.'"

During the ceremony, Mendenhall delighted the crowd with recollections from GCSAA's past. He also cut the ceremonial ribbon, officially dedicating the new building.

An enthusiastic advocate of the association and the profession, he helped GCSAA develop into more than a regional organization by moving its annual conference and trade show to the West Coast in 1949. Previously, the event had been confined to the Midwest and East.

"GCSAA was a big part of Chet Mendenhall's life," said GCSAA Executive Director John M. Schilling. "Not only did he help found the organization and serve it diligently over the years, he also personally recruited many members. To

Chet, GCSAA and the profession represented a cause. Unassuming though he was, Chet worked fervently for the organization virtually until his last breath. We shall miss him, but he will live on in our hearts and in the history of GCSAA."

Mendenhall entered "greenkeeping" in 1920 at Sims Park, Wichita, Kan., and became a charter member of what is now GCSAA on March 1, 1927. He became superintendent at Wichita Country Club in 1928 and moved to Mission Hills (Kan.) Country Club in 1934, where he stayed for 31 years. He spent the next 10 years designing golf courses in Kansas and Missouri.

Mendenhall served as a director of GCSAA from 1940 to 1946. He was elected vice president in 1947 and served as president in 1948. He received GCSAA's Distinguished Service Award in 1986 and the United States Golf Association's (USGA) Green Section Award in 1990.



Study Will Aid Environmental Researchers

A new study on pesticides and fertilizer use will help guide scientists reviewing the environmental impact of golf course management.

The study, which documents chemicals typically used to control weeds, insects and diseases on America's courses, is being provided to the United States Golf Association's (USGA) Environmental Research Committee, thanks to funding from the GCSAA Scholarship & Research, Inc., a non-profit science and education foundation.

"This survey and subsequent report continues GCSAA's commitment to working closely with the USGA in turfgrass and environmental research," said Stephen G. Cadenelli, CGCS, president of the board of trustees of GCSAA Scholarship & Research. "The information from this report will assist researchers who are carrying out work funded by the USGA by providing them accurate data as to which materials are being used on America's courses.

"Obviously, we share the USGA's commitment to sound environmental management of our nation's golf courses and are pleased to assist them in any way possible," he said.

The 1991 Season—

(Continued from Page 10)

intimidate the pols, and scientific facts are of little concern. They deal in fear of the unknown and threaten law-givers with fear of being unseated. Golf courses of America are, *or should be*, prime examples of positive pesticide use, without distorting the population balance among 'harmless' bugs or beasts.

The Audubon Cooperative Sanctuary program has attracted a great deal of positive comment from both public and private golf operations in this initial year of operation. It is a first step in removing some of the unintended secrecy about golf course operations. This program does require an accountable performance of some projects, but if it didn't, it would mean nothing to anyone. It provides *living* proof that good golf course operations do not interfere with the natural scheme of things. It also provides a means of communicating with golfers and neighbors and politicians that golf courses exert a positive effect in their environment.

It will also be to the advantage of golf course superintendents to tell anyone, whether they are deeply interested or not, about the special environmental research being funded by the USGA. It is a Straight-Arrow evaluation of what happens to fertilizer and pesticides after they are applied and have done what they were supposed to do. They don't just disappear, so what *does* happen to them? The nationwide study is being conducted by outstanding researchers at a number of cooperating universities. Talk it up to show people that golf is a responsible member of a community.

Green Section Greens

An inordinate amount of ink has been sloshed around this year about some imagined or contrived controversy about well-established procedures which have proven to be successful for over 30 years. *CONTROVERSY!* is a media cliché used to grab attention by creating doubt or fear, not unlike the words used by Anti groups. The Green Section is making use of Dr. Norm Hummel's expertise in soil laboratory technique to ensure that the physical tests on putting green mixtures are consistent with the procedures established early on and that their results are reproducible.

Anytime a single green building procedure is adopted on a national basis, some local problems arise. That leads to a lot of nickel and dime nit-picking by people who ought to know better, thus confusing the issue and distorting the purpose of this construction technique. Personalities, prejudices and pettiness get in the

LESCO

Has it! Everything you need for professional turf management.

- Fertilizers •Control Products •Seed
- Irrigation •Equipment •Replacement Parts •Golf Course Accessories •Safety Products
- Service Brochures • Low Voltage Lighting

(800) 321-5325

Your Growth Partner

LESCO, Inc., 20005 Lake Rd., Rocky River, Ohio 44116

way of performance. And who suffers? The golf course superintendent trying to do the best for his organization, who has learned that hip pocket soil mixes are hazardous to his employment longevity but is being misled by egotists or corner-cutters riding on short-term performance.

Green Section greens are real and they perform according to the construction procedures used. Maintenance is easy when one learns their characteristics. They are easily overwatered because they accept water easily. You might be surprised at the low water *requirement* when the perched water table is managed properly. And that, Virginia, is the reason we harp on having a sharp textural change just below the growing medium and feel that an intermediate sand layer is necessary between it and the gravel drainage bed below.

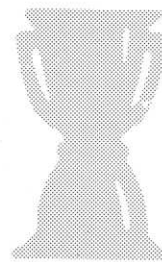
Green Speed

When the putts don't fall and approach shots don't hold, what's the matter? According to some competitors in the Senior Open at Oakland Hills, the greens became "crispy and faster" during the gorgeous weather they enjoyed during the Thursday - Sunday rounds. To answer that complaint, we measured the greens in the afternoon as well as in the morning. At 6:30 a.m., Stimpmeter readings were 10.5 feet and at 5:30 (or so) in the afternoon they were 9.5 feet, except near the holes where the distance was 10.0 feet. So when your speed demons ask for more Stimp distance, ask them to play in mid-morning, not late afternoon.

To get the green, go for the Gold.

Gold Cup quality for great-looking turf.

COUNTRY CLUB



- Homogenous Granulation
- High Methylene Ureas (W.I.N.)
- Great N-P-K Ratios
- Agronomically Correct
- Contact Your Local Lebanon Distributor

Lebanon

TURF PRODUCTS

1-800-233-0628

BETTER TURF CARE FROM THE GROUND UP

FERTILIZERS? WILBUR-ELLIS!

WITH OUR EXCEPTIONALLY WIDE SELECTION, WE'LL HELP
YOU WITH THE BEST FERTILIZER FOR YOUR SITUATION
...AT A VERY COMPETITIVE PRICE.

NUTRALENE Fertilizers - See the Difference

15-0-30)
) Greens Grades) with Nutralene
20-0-20)

24-4-12) Granular

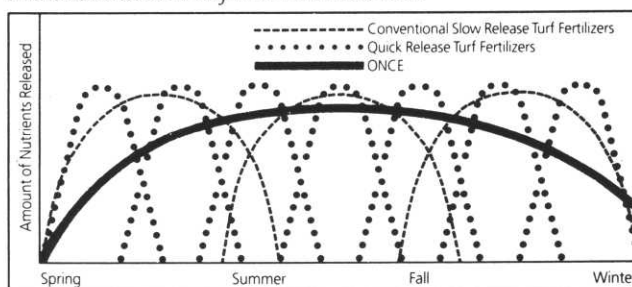
	NUTRALENE [®] (40-0-0)	NITROFORM [®] (38-0-0)	IBDU (31-0-0)	SCU (32-0-0) to (38-0-0)	UREA (46-0-0)
Release Characteristics	12-16 wks	12-16 mos	12-16 wks	Varies	1-4 wks
Hydrolysis Releasable	■		■	■	■
Microbial Releasable	■	■			
Not dependent on coating or particle size for release	■	■			■
Nonburning	■	■	■	**	
Low Salt	■	■	■	■	
Minimal Leaching	■	■	■	■	
Minimal Volatilization	■	■	■	■	

ONCE Season Long - N, P, and K

Temperature Release - Not Affected by
Water or Microbial Action (5-6 months)

Nutrients Released As Turf And Plants Need Them

24-6-11 5-6 months
25-0-18 5-6 months
35-0-6 5-6 months
0-0-47 5-6 months
15-12-13 5-6 months



Wilbur-Ellis Custom Fertilizers

18-3-12) Homogenous Greens Grades
18-5-9)

And a full line of blended and liquid fertilizers

Wilbur-Ellis

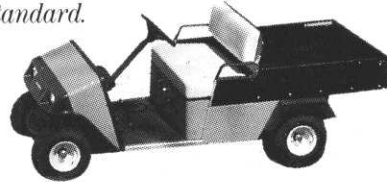
FOR MORE INFORMATION, CALL
LARRY THORNTON
1-800-642-2736 or 612/723-0151



Until now, most utility trucks have been better known for carrying repair bills than materials. Our new line of four utility trucks—built Jacobsen tough from end to end—changes all that.

For example, the 2315 has a durable 23.5 hp liquid-cooled diesel, 5-speed transmission with reverse and heavy-duty automotive-type clutch, creating a new standard of dependability.

The 2315 packs a 1,500 lb payload. Unlike other utility trucks, it comes complete with heavy-duty hydraulic dump box, removable side panels and tailgate, implement PTO, lights, full hydraulics and complete instrumentation—standard.



Our rugged line also includes the 20 hp gas model 2015 and the 1,000 lb payload, gas powered 810 Express and electric 610 Express. For maximum versatility and productivity, the 2315 and 2015 can be out-

fitted with sprayer, top-dresser, aerator and spreader attachments. If you already have attachments, our universal mounting kit lets you use them on either truck.

To see them in action, ask your Jacobsen distributor for a demonstration today.

**JACOBSEN
TEXTRON**

Jacobsen Division of Textron, Inc.

THE SHARPEST THINKING ON TURF.

**BUILT BECAUSE OTHER
UTILITY TRUCKS JUST DON'T
GO FAR ENOUGH.**

J-15-0



3080 Centerville Road
St. Paul, MN 55117

NORTH STAR TURF, INC.

"We Initiate Satisfaction"

(612) 484-8411
(800) 592-9513

TURF SUPPLY COMPANY

2797 EAGANDALE BLVD. EAGAN, MN 55121

Suppliers of Fertilizers, Seed
and Chemicals to the
Turf Industry

STANDARD

PAR AIDE

Turf Management
Products

Reveal Test Kits

Enviro Caster

NK Medalist

GRACE/SIERRA

Precision Labs

MOBAY

CLEARY

NAIAD

Aquatrols

NOR-AM

Lebanon/COUNTRY CLUB

DuPont

Par Ex/Woodace

FERMENTA

SUSTANE

RHONE-POULENC

Plant Marvel

DowElanco

Milorganite

UNIROYAL

SANDOZ

CIBA-GEIGY

CONTEC

EXPEDITE

SPRING VALLEY

(612) 454-3106

TURF SUPPLY COMPANY

2797 Eagandale Blvd

Eagan, MN 55121

The Most Complete Source of Turf Management
Products for your Course

The Programs for "92" are Here

Early Pay Early Order Early Take Late Pay ??Confused??

*Please Call your Turf Supply Representative
or
the office at (612) 454-3106*

We will take the confusion out of it for you

Good Fertilizer Doesn't Cost It PAYS!!!
(612) 454-3106

GCSAA Show—

(Continued from Page 7)

The Trade Show will be held in conjunction with the 63rd International Golf Course Conference, hosted annually by the Golf Course Superintendents Association of America (GCSAA).

The GCSAA Trade Show is the largest event in the golf course industry. Companies from around the world will preview the latest products available for the management of golf courses. Millions of dollars worth of turf and irrigation equipment, geotextiles, seed, turf chemicals, drainage systems and all types of turf maintenance supplies will be featured.

The trade show, ranked by *Tradeshow Week* as one of the 120 largest shows in the United States, will be open 9 a.m. - 5 p.m. on Saturday and Sunday, February 15-16, and 9 a.m. - 1 p.m. on Monday, February 17. Friday, February 14, is designated Distributor Day, a preview that allows exhibitors a special opportunity to expand distributor/dealer relations.

MEMBERSHIP REPORT

NEW MEMBERS—OCTOBER 10, 1991

Thomas Flood	Hudson Country Club	Class	C
Brian Cleveland	Wedgewood Valley C.C.		D
John Groskoph	Wedgewood Valley C.C.		D
Daniel Murphy	Wedgewood Valley C.C.		BII
Richard Wirth	Wedgewood Valley C.C.		D
Dennis Petersen	Izaty's Golf & Yacht Club		BII
Robert Schmidt	Maple Bluff Country Club		C

RECLASSIFICATION—OCTOBER 7, 1991

David Kohlbray	Northland Country Club	BII to B
----------------	------------------------	----------

Mike Olson, Membership Chairman

The 1991 Conference and Show in Las Vegas, Nev., drew more than 16,400 people, including more than 1,400 international visitors representing 46 countries outside the U.S. A record 591 exhibitors

showcased their products and services during the three-day show.

The 1993 Conference and Show will be held January 23-30, at the Anaheim Convention Center.

par ex

The Ex Stands For Excellence

Why the EX STANDS FOR EXCELLENCE in professional turf care.



- Par Ex is the only professional fertilizer line containing IBDU, undisputedly the finest slow release Nitrogen source in the world.
- IBDU gives you the highest level of WIN, or Water Insoluble Nitrogen.
- IBDU delivers all of its Nitrogen in a single growing season.
- The Nitrogen release rate of IBDU is generally affected by only two factors: soil moisture and granule size.
- Slower release makes Par Ex products perfect for your Fall Fertilization program.
- Fewer applications are required, labor costs are cut.
- The salt index of IBDU is the lowest of all commonly used fertilizer materials.
- IBDU fights nitrate pollution because very little Nitrogen is lost through leaching or volatilization.
- Choose from over 60 different product formulations.

TURF SUPPLY CO.
2797 Eagandale Blvd.
Eagan, MN 55121
Tel: 612-454-3106
Fax: 612-454-7884

ED LONG
Territory Manager
Tel: 913-897-5604

PRECISION TURF AND CHEMICALS
3145 Sycamore Lane
Plymouth, MN 55441
Tel: 612-559-5293

par ex

The Ex Stands For Excellence

MTI IRRIGATION WOULD LIKE TO

THANK OUR CUSTOMERS

FOR YOUR BUSINESS AND

LOOK FORWARD TO SERVING

YOU IN THE UPCOMING YEAR!



14900 Twenty-first Avenue North • Plymouth, Minnesota 55441
(612) 475 - 2200 - 1 • 800 • 362 • 3665

DISTRIBUTING CO.



FRIDLEY

8041 RANCHERS ROAD
FRIDLEY, MN 55432
612-785-2430

BURNSVILLE

1103 RIVERWOOD DRIVE
BURNSVILLE, MN 55337
612-890-3720

FARGO

4310 MAIN AVE
FARGO, ND 58104
701-281-0775
1-800-782-1031