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Sprinkler Irrigation Supply Co. A division of A.J. Miller Inc.  
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It's not just  
the W.I.N.  
you use,  
it's how you  
say the name  
**par ex**



All water insoluble nitrogen (W.I.N.) fertilizers are not alike. Some are activated by soil bacteria. Others by temperature. But IBDU (31-0-0) and PAR EX fertilizer mixes with IBDU are activated very slowly by soil moisture. Nitrogen is released at a controlled, even rate that can't be hurried by high temperatures or excessive moisture.

It's important on high maintenance turfgrass to control the level of nitrogen feeding. Excessive bursts of nitrogen can be a greater problem than a nitrogen deficiency.

Custom formulated to exacting specifications of the professional turfgrass manager, IBDU and PAR EX fertilizer mixes with IBDU provide a controlled level of nitrogen nutrition that stimulates root growth, shoot density, rich green color and improves overall plant hardiness.

Let water insoluble IBDU (31-0-0) and PAR EX fertilizer mixes with IBDU perform for your turf. After all, performance is the name of the game.



## SUPPLIERS

Paarlberg Chemicals Co. South Holland	312/474-3086
Turf Products Ltd. West Chicago	312/668-5537
Olsen Distributing Co. Barrington	312/381-9333
Turf Management Supply Co. Rockton	815/624-7578
Swift Rep. - Kenneth L. Quandt 352 Marion Ct. - Wheeling, IL 60090	312/541-8492

### RULES: BALL ACCIDENTALLY MOVED

New golfers frequently move the ball accidentally. Here are some rules regarding this occurrence.

If your ball falls off the tee and you don't continue to swing at it, you need not count a stroke. Merely tee it again and start over. (Note: You may tee the ball only for your first shot on a hole.)

You need not count a stroke if you move your ball accidentally while marking it on the green or while measuring to see which ball is farthest from the hole. Replace it before continuing play.

Otherwise, you must count a stroke if you, your partner, your caddies or your equipment accidentally move your ball after you've made your first shot on a hole. Replace it before continuing play.

If your ball moves after you have taken your stance and soled your club, count one stroke and play from where it finished moving.

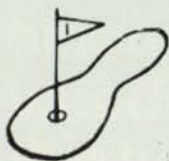
A ball is considered to have moved only if it finally comes to rest in another place.

(The complete Rules of Golf booklet is available for 50 cents from the United States Golf Association, Far Hills, NJ 07931.)

### THE WORLD'S BEST 3

The three top-selling novels in publishing history were written by women, and all were first attempts. Valley of the Dolls, by Jacqueline Susann. Peyton Place, by Grace Metalious. Gone With The Wind, by Margaret Mitchell.

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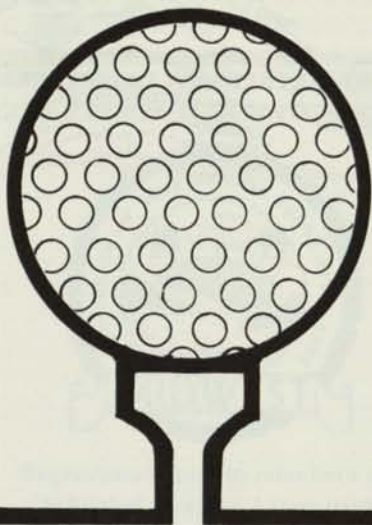
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# Get Effective, Economical Snow Mold Control with TERSAN® 1991 and TERSAN® SP



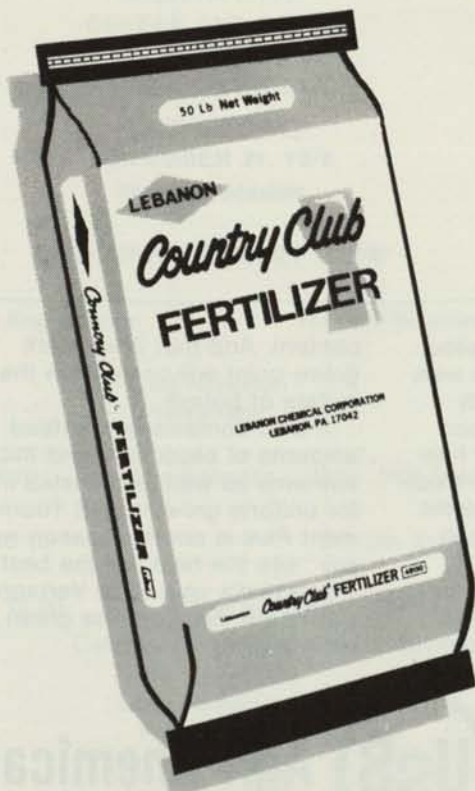
Spray TERSAN® 1991 and TERSAN® SP in the fall for snow mold control. TERSAN® 1991 controls pink snow mold while TERSAN® SP controls gray snow mold. They cost less than granules and offer both systemic and contact control.

So don't wait for the snow to fall. Spray TERSAN® 1991 and TERSAN® SP between October 15 and November 15 this year.

*For more information contact:*

A. Duane Hobbs  
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293 Maureen Drive  
Wheeling, IL 60091  
312-537-1320

**DU PONT** TURF PRODUCTS



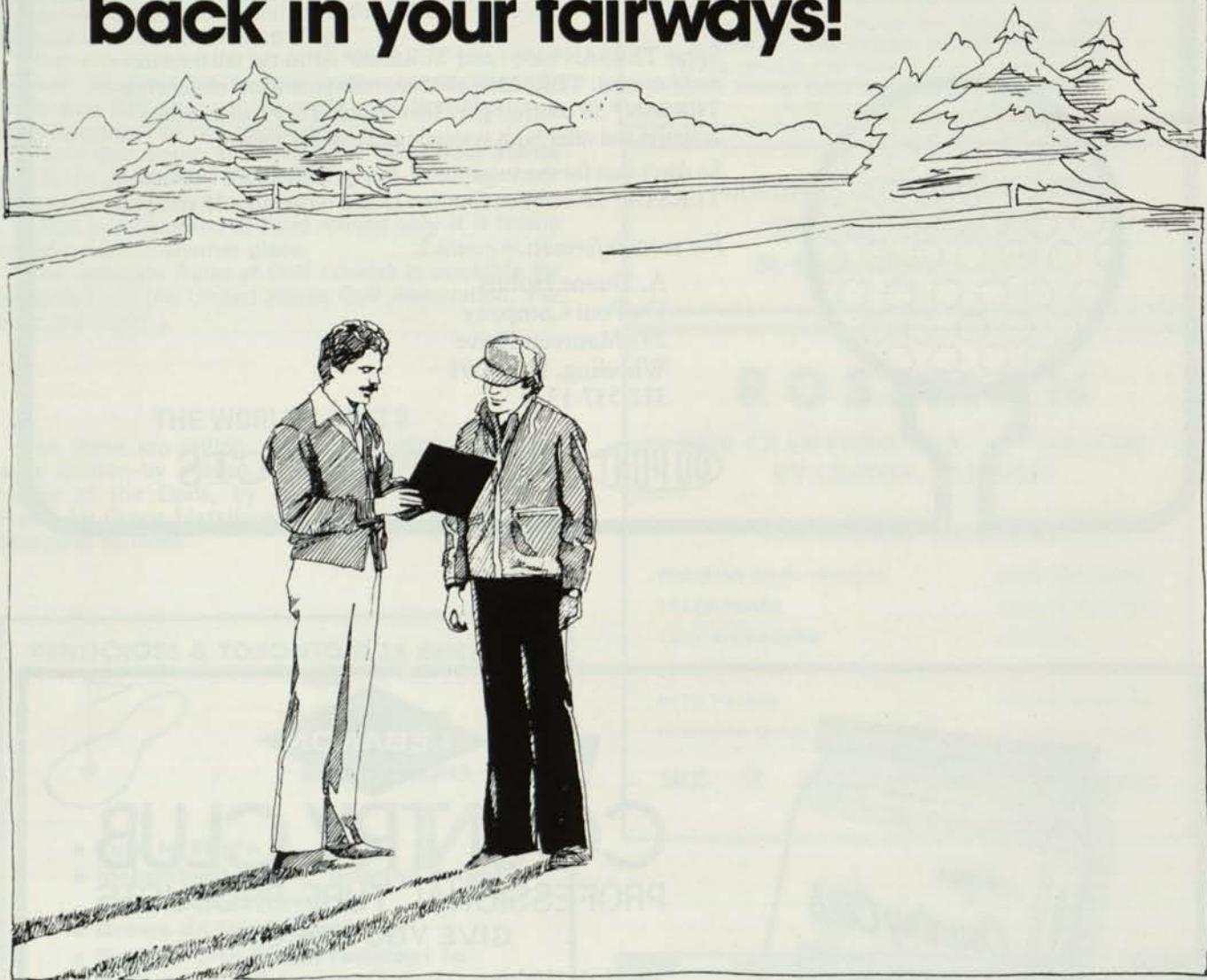
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- ★ Full Weight (High Density) for easy, fast, full width spread.
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For More Information, Contact:

Frank Ross  
(312) 323-8633

# USS Tournament Plus 19-5-9... We'll help put the green back in your fairways!



A product for all reasons.

If you're looking down yellow or off color fairways, take a walk on them with your local USS Vertagreen distributor as soon as possible. He'll show you how USS Tournament Plus 19-5-9 can be the answer to your problems. This great product, developed especially for fairways, will release 48% of its nitrogen content in a sustained, uniform manner because of the urea-formaldehyde

content. And that deep, dark green color will come from the sulfate of potash.

It also contains guaranteed amounts of secondary and micro-nutrients as well as chelated iron for uniform growth. USS Tournament Plus is another reason we say "see the best, for the best" — and that's your local Vertagreen distributor. He'll put the green back in your fairways.



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# 26th Annual Midwest Turf Clinic

## Theme The Age of Change

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MIDWEST ASSOCIATION OF  
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Registration open to members and  
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EVENING BANQUET  
WEDNESDAY  
NOVEMBER 29, 1978  
Morning Session

### MEDINAH COUNTRY CLUB

8:30 Registration ..... Howard Baerwald

Carl Hopphan  
Moderator

9:00 - 9:30 Opening Remarks Pres. Bob Breen

9:30 - 10:15 Dr. Jim Watson

10:15 - 12:00 Panel on Green Maintenance

Carl Grassl - Moderator  
Carl Landgrebe  
Doug Spaulding  
Pete Sinnott  
Fred Opperman  
Pete Leuzinger

12:00 - 1:30

Lunch

WEDNESDAY  
NOVEMBER 29, 1978  
Afternoon Session

Don Hoffman  
Moderator

1:30 - 2:00	C.P.R. Kevin Mellott Woodridge Lisle
2:00 - 2:20	Richard Nugent
2:20 - 2:40	Ed Fischer Rip-Rap Around Lakes
2:40 - 3:00	John LeBedeves Weeds in Lakes
3:00 - 3:20	Steve Belzner Aerator in Lakes
3:20 - 3:45	Dr. Jim Watson
3:45 - 4:30	Dr. Al Turgeon Research Update
4:30	Cocktails Banquet

THURSDAY  
NOVEMBER 30, 1978  
Morning Session

Dudley Smith  
Moderator

9:30 - 11:00	Ateanius Beetle Dr. Randell Dr. H. Niemczyk
11:00 - 11:15	Robert Moore Wetting Agents and Winter Damage
11:15 - 12:00	Panel on Winter Injury Paul Voykin - Moderator John Berarducci Bruce Williams Peter Voykin Bruce Sering Walter Fuchs, Jr.

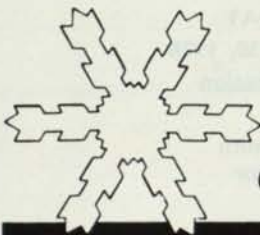
### 1978 EDUCATIONAL COMMITTEE

Ed Fischer  
Roger LaRochelle  
Dudley Smith  
Ted Mochel  
Doug Spaulding

**M.A.G.C.S. PROGRAM PARTICIPANTS**

- Howard Baerwald . . . . . La Grange Country Club
- Steve Belzner . . . . . Rodale Resources, Inc.
- John Berarducci . . . . . Skokie Country Club
- Ed Fischer . . . . . Butler National Golf Club
- Walter Fuchs, Jr. . . . . Turf Products, Ltd.
- Carl Grassl . . . . . Park Ridge Country Club
- Don Hoffman . . . . . Timber Trails Golf Club
- Carl Hoppman . . . . . Aurora Country Club
- Carl Langrebe . . . . . Hinsdale Golf Club
- John Lebedves . . . . . Turf Products, Ltd.
- Pete Leuzinger . . . . . St. Charles Country Club
- Robert Moore . . . . . Aquatrols Corp. of America
- Kevin Mellott Paramedic Fireman, Woodridge-Lisle
- Dr. H. Niemczyk . . . . . Ohio State University
- Richard Nugent . . . . . Killian & Nugent
- Fred Opperman . . . . . Glen Oak Country Club
- Dr. R. Randell . . . . . University of Illinois
- Bruce Sering . . . . . Glen View Club
- Pete Sinnott . . . . . Sand Creek Club
- Doug Spaulding . . . . . Woodmar Country Club
- Dudley Smith . . . . . Silver Lake Country Club
- Dr. Al Turgeon . . . . . University of Illinois
- Paul Voykin . . . . . Briarwood Country Club
- Peter Voykin . . . . . Idlewild Country Club
- Dr. James Watson . . . . . Toro Manufacturing
- Bruce Williams . . . . . Bob O'Link Country Club

*Snow time  
is no time  
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**start winter disease control NOW  
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Cold weather and snow cover before the ground is frozen are ideal conditions for Snow Mold. Apply Acti-dione Thiram late fall before the first snow cover and during winter thaws to fight fungi. See us today for help in winter disease control.



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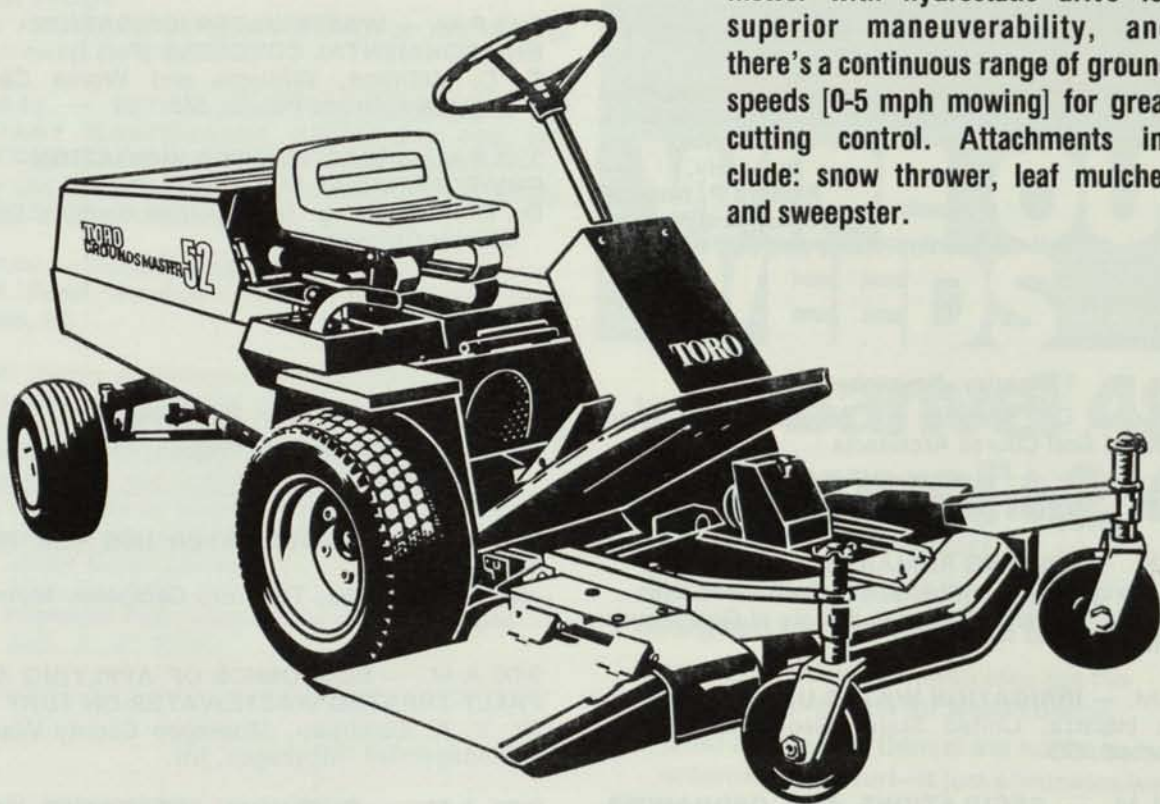
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Dear Ray:

Enclosed is information on a seminar on the use of wastewater for turfgrass irrigation.

A new national priority on the conservation of our water resources has resulted from problems recently experienced in this country.

With the continued growth of population in certain areas near Chicago, the continued unregulated use of a limited ground water supply may not be allowed much longer. Should restrictions be placed on golf courses, what will be our alternatives be?

To address this problem, the American Society of Golf Course Architects, the National Golf Foundation and the United States Golf Association have sponsored a two day seminar at the Arlington Park Hilton Hotel on Monday, November 13th and Tuesday, November 14th. Registration fee will be \$50.00.

Some of the outstanding authorities in our area, as well as National Authorities will be attending and making presentations.

This is a good opportunity for our Midwest members to gain further insight into this area of water use.

Sincerely,

**Richard P. Nugent  
Killian and Nugent**

**Golf Course Architects and Site Planners**

**Monday, November 13**

Chairman - Alexander M. Radko, United States Golf Association Green Section

2:00 P.M. — **EFFECTS OF EFFLUENT HEAVY METALS ON BERMUDAGRASS AND ST. AUGUSTINEGRASS**

Dr. Albert E. Dudeck, University of Florida, Gainesville, FL

2:30 P.M. — **RECLAMATION OF WASTEWATER BY MEANS OF A SOILS-TURF FILTER**

Dr. Ian Pepper, University of Arizona, Tucson, AZ

3:00 P.M. — **BREAK**

3:15 P.M. — **WASTEWATER IRRIGATION - ENVIRONMENTAL CONCERNS [Part I]**

T. C. Williams, Williams and Works Consulting Engineers, Grand Rapids, MI

3:45 P.M. — **WASTEWATER IRRIGATION - ENVIRONMENTAL CONCERNS [Part II]**

Dr. Cecil Lue-Hing, Metropolitan Sanitary District of Greater Chicago, IL

**Monday, November 13**

Chairman - Dr. Marvin H. Ferguson, American Society of Golf Course Architects

8:00 A.M. — **REGISTRATION**

9:15 A.M. — **OPENING REMARKS**

John D. Laupheimer, United States Golf Association  
E. Lawrence Packard, American Society of Golf Course Architects

9:30 A.M. — **IRRIGATION WATER USES**

Warren Hofstra, United States Geological Survey, Lakewood, CO

10:00 A.M. — **REGULATIONS AND ORDINANCES GOVERNING WASTES ON RECREATIONAL LAND**

Stephen Poloncaik, U.S. Environmental Protection Agency, Chicago, IL

10:30 A.M. — **DESIGN FOR WASTEWATER SYSTEMS**

Dr. W. J. Bauer, Bauer Consulting Engineers, Chicago, IL

11:00 A.M. — **BREAK**

11:15 A.M. — **DESIGN OF SOIL-PLANT MONITORING PROCEDURE FOR LAND TREATMENT SYSTEMS**

Dr. Dennis Keeney, University of Wisconsin

11:45 A.M. — **USE OF WASTEWATER FOR FIRE PROTECTION OF FORESTS AND TURF**

Dr. Victor B. Youngner, University of California - Riverside

12:15 P.M. — **CHICAGO CASE STUDY**

William Rust, Schaeffer & Roland, Inc., Chicago, IL

1:00 P.M. — **LUNCHEON**

**Tuesday, November 14**

Chairman - Dr. James R. Watson, The Toro Company, Minneapolis, Minnesota

8:30 A.M. — **WASTEWATER USE FOR RECREATIONAL TURF**

James W. Adams, The Toro Company, Minneapolis, MN

9:00 A.M. — **ECONOMICS OF APPLYING MUNICIPALLY TREATED WASTEWATER ON TURF**

Dr. Y. A. Demirjian, Muskegon County Wastewater Management, Muskegon, MI

9:30 A.M. — **CHEMICAL PROPERTIES OF SOILS AND HOW INDUSTRIAL WASTES AFFECT THEM**

Dr. Boyd Ellis, Michigan State University, East Lansing, MI

10:00 A.M. — **USE OF COMPOSTED SLUDGE FOR COMMERCIAL SOD PRODUCTION**

Dr. Jack Murray, U.S. Department of Agriculture ARS, Beltsville, MD

10:30 A.M. — **BREAK**

10:45 A.M. — **PROCESSED SLUDGE FOR RECREATIONAL TURFGRASS USE**

Charles G. Wilson, Milwaukee Sewerage Commission, Oak Creek, WI

11:15 A.M. — **A GOLF COURSE SUPERINTENDENT'S EXPERIENCES WITH WASTEWATER IRRIGATION**

Robert Sanders, Skyline Country Club, Tucson, AZ  
Theodore W. Woehrle, Oakland Hills Country Club, Birmingham, MI

J. D. Glass, Los Alamos Golf Club, Los Alamos, NM

12:30 P.M. — **LUNCHEON**



Tuesday, November 14

Chairman - Dr. A. J. Turgeon, University of Illinois,  
Urbana, IL

**1:30 P.M. — TURF PLOT IRRIGATION USING WASTEWATER**

Richard P. Nugent, American Society of Golf Course Architects, Palatine, IL

**2:00 P.M. — INDUSTRIAL PREPARATIONS ANTICIPATING WASTEWATER IRRIGATION**

John Brewer, Johns-Manville, Fresno, CA

**2:30 P.M. — IMPLICATIONS OF THE AMERICAN SOCIETY OF GOLF COURSE ARCHITECTS WHITE PAPER STUDY**

Philip A. Wogan, American Society of Golf Course Architects, Beverly, MA

**3:00 P.M. — ESTIMATING THE FEASIBILITY OF SANITARY WASTEWATER EFFLUENTS FOR RECREATIONAL AREA IRRIGATION PROJECTS**

David Gill, American Society of Golf Course Architects, St. Charles, IL

**3:30 P.M. — CLOSING REMARKS**

Don A. Rossi, National Golf Foundation, North Palm Beach, FL

All golf course superintendents are invited to attend. The registration fee for the conference is \$50.00 which includes two lunches and a copy of the conference proceedings. The proceedings will be mailed as soon as possible after the conference to all attendees. Those interested in attending the conference should make reservations by contacting:

USGA Green Section  
P. O. Box 1237  
Highland Park, New Jersey  
Attn: A. M. Radko

### HORTICULTURAL HEARSAY

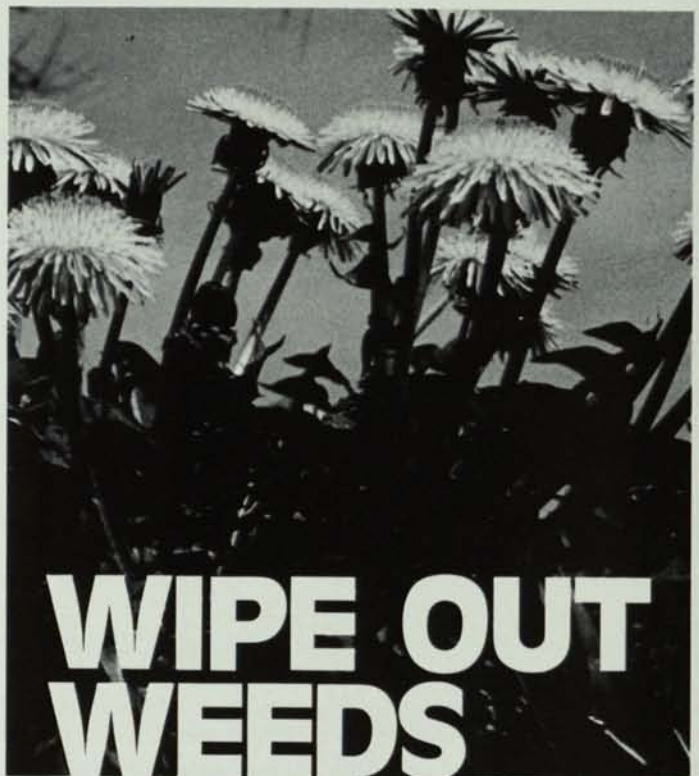
On the average, an inch of rain deposits one ton of nitrogen from the air onto every acre.

That comes out to 45.45 pounds of Nitrogen per 1000 square feet.

This not only explains why grass greens up so well after a rain but also why controlling the turf disease fusarium blight is so difficult.

### WRAP YOUNG TREES TO PREVENT WINTER INJURY

To protect newly planted trees from winter injury caused by sunscald, wrap them in burlap, forty-pound kraft paper or in any tough crepe-type, asphalt-impregnated paper. Wrap the paper or burlap around the tree from the lower branches to the ground. Remove wrap next year in early April.



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### The broadleaf weed 'specialists' designed for professional turf programs.

Here's why BANVEL® herbicides are the professionals' choice for weed control:

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