SWITCH HITTER

Shade or sun, Glade's a beauty that grows both ways. When trees and structures throw shadows on your plans, it's time to call in Glade to swing with the hot times and up to 60% shade. Excellent dark green color, fine texture and better disease resistance make Glade a big hit with crowds in recreation areas, or simply covering home and commercial grounds. Switch to Glade for consistently high scores in sun or shade. At your local wholesale seed distributor.

Glade KENTUCKY BLUEGRASS

U.S. Plant Patent 3151
License in Canada No. 2133

Circle No. 123 on Reader Inquiry Card
Daconil 2787. It's the groundwork for a more playable course.
For more and more superintendents that's the case. Because they know effective disease control is the best way to achieve a better looking, more playable course. And that's why Daconil 2787 fungicide is the basis of their fungicide spray program.

**Number one on tees and greens.**

Daconil 2787 is the product of choice on America's tees and greens.

The reason... Daconil 2787 works. It consistently delivers unsurpassed control of 9 turf diseases including dollar spot (and benomyl-resistant dollar spot), Helminthosporium (leafspot and melting out), red thread and large brown patch.

Fact is, Daconil 2787 is the broadest spectrum contact fungicide on the market today.

What's more, in 15 years of continuous use, there has never been a documented case of resistance. Even on courses where it was applied at weekly intervals for many years.

**Outstanding on fairways.**

Make Daconil 2787 the groundwork of your program for fairways too. It will deliver the same unequalled disease control it does on tees and greens.

And you need first rate protection on fairways. Because diseases are mobile and can easily spread from fairways to tees and greens. Especially dollar spot, brown patch and leafspot.

You can control these three major diseases on a wide variety of grasses all season long with Daconil 2787 without having to worry about burning fairway turf even in the hottest weather.

**Easy and economical to use.**

The flowable formulation of Daconil 2787 allows for fast, easy handling because it flows readily and disperses quickly. So there's no clogging of spray equipment.

And since Daconil 2787 has a built-in surfactant, you're assured of superior sticking power, extended coverage on the crown and sheath of grass blades and excellent fungicide retention even after heavy rains or watering.

All of which adds up to proven residual control when used at recommended rates.

When you consider everything Daconil 2787 has to offer, it's no wonder more and more superintendents are making it the basis of their disease control program. On tees, greens, fairways and even ornamentals.

With a full and regular schedule of Daconil 2787, your turf will be healthier and more vigorous to better withstand traffic and play. And it makes for easier weed control too.

Groundwork like that adds up to a more playable course. And in your business, that's the name of the game.
Miloorganite is a distinctive product. It is a natural all-organic fertilizer. It is easy to apply, without danger of burning, and watering-in is never necessary. Miloorganite never deteriorates or hardens during storage. Miloorganite contains natural organic nitrogen, phosphorus, iron and all secondary and minor elements needed by grass. All are released gradually and surely to insure uniform color and growth.

The natural organic fertilizer... Use in any season... Ideal for Lawns, Parks, Cemeteries and Athletic Fields

Fertilize regularly each year — with Miloorganite. Miloorganite cannot burn the turf since it is not salty and Miloorganized turf requires less water than other fertilizers.

Mix grass seed with Miloorganite... The best way to insure even distribution of seed on new turf areas and when reseeding a poor lawn. Miloorganite gets the young grass off to a fast start and hastens establishment of a dense, uniform grass cover. Miloorganite is also ideal for trees, shrubs, and flowers.

Miloorganite’s true value proved by analysis and response! Miloorganite is the greatest bargain in fertilizer today. It is loaded with dollar value materials completely lacking in other fertilizers sold for turf and ornamentals.

Miloorganite does not burn and is almost impossible to over-apply. Do not use on edible crops.

MILWAUKEE METROPOLITAN
SEWERAGE DISTRICT
735 N. WATER ST., MILWAUKEE, WI 53202
Circle No. 130 on Reader Inquiry Card

Ditch Witch is introducing the model 200 Earth Auger horizontal boring unit to free bore or push casing of lengths of 250 feet and diameters of 6- to 20-inches. The drive system is powered by a 30PF power unit.

Circle No. 178 on Reader Inquiry Card

Jacobsen now has a hydraulically driven mower that cuts turf vertically to control and remove thatch, reduce compaction and aerate the soil. The mower interchanges with the company’s hydraulic mowing tractors such as the HF-15.

Circle No. 179 on Reader Inquiry Card

Vandermolen Corp. has introduced its new WINDMILL 8-11 Wheeled Blower, powered by a 2 cycle Kawasaki engine with electronic ignition. The 41 lb. blower generates a high pressure air blast of 225 mph. Its lightweight and pneumatic rubber tires are designed for easy maneuverability on steep slopes and uneven surfaces.

Circle No. 180 on Reader Inquiry Card
You just can't buy a better rotary mower.

It's been proven time and again, day after day, acre after acre. You just can't buy a better cutting rotary mower. For a very convincing demonstration, call your Jacobsen Distributor.

Jacobsen Division of Textron Inc.

Jacobsen: You just can't buy any better.
Four men to do.

The introduction of the Sand Pro further reduced the labor needed on golf courses and other large turf areas. In the mid seventies, Toro's Turf Pro 84, a hydraulically driven reel mower equipped with grass catchers, was introduced for the specialized tasks of maintaining tees, approaches and collars, along with other formal and semi-formal landscaped areas.

During the '70s, Toro engineers strove to design the ultimate in large tractor operated fairway mowing equipment. And in 1978, the company unveiled its largest, most highly engineered piece of turf equipment—the HTM-175. Using hydraulics in a design that was completely new to the Toro product line, the HTM-175 combined the attributes of a premier mowing machine with the ultimate in labor-saving equipment.

Also in the 1970's, Toro developed the first in its line of highly mobile, out-front rotaries, the Groundsmaster-72. Powered by a water-cooled engine, the GM-72 proved to be a highly maneuverable, rapid transport, piece of equipment that worked particularly well on golf course roughs and other similar grounds.

No review of Toro's involvement in the turf management industry for the past 20 years would be complete without reference to the company's contributions in automatic turf irrigation. The company entered the commercial and golf course irrigation business in 1962 with the acquisition of Riverside, CA-based Moist O'Matic. Moist O'Matic was headed by Ed Hunter, an inventor who is today credited with first successfully using high grade plastics in irrigation equipment. With the earliest installations of Hunter's (and Toro's) plastic sprinkler heads, it became apparent that selected plastics offered a number of advantages over traditional brass heads. Plastic heads were not subject to rust or corrosion and, in Toro's case, because of their gear-driven design, they provided a more uniform, more precise water cover thereby conserving water. In addition, they were
WE REACH THE PEOPLE
YOU NEED TO REACH!

Place a recruitment ad in any of these HARCOURT BRACE JOVANOVICH PUBLICATIONS - and you know your ad dollar is wisely spent.

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Don't forget that classified advertising works just as effectively in locating employees as it does if you are looking for a position, have a line, machinery or a business to sell, are seeking representatives or wish to buy a specific item. Let it go to work for you!

HBJ PUBLICATIONS - COUNT ON US TO REACH THOSE WHO COUNT!

Harcourt Brace Jovanovich Publications
One East First Street
Duluth, Minnesota 55802

Call Dawn Anderson at 218-727-8511
known clientele of Lofts/Maryland are the White House, Arlington National Cemetery, and the Robert F. Kennedy Stadium, home of the Washington Redskins.

A more recent venture of Lofts and Southern Turf Nurseries is Sunbelt Seeds, Inc. at Tucker, Ga., formed specifically to better serve the Southern recreational turf overseeding market. Overseeding is an expanding portion of the turf industry, extending the winter golf and recreational season throughout the South.

Today, the Bound Brook office serves as corporate headquarters, from which the second generation of the Lofts family, Peter and Jon, manage the far-flung operations of the company. Although large inventories of seed are maintained at strategic locations throughout the country, the New Jersey location alone includes 100,000 sq. ft. of storage space and blending facilities. A fleet of company owned trucks guarantees rapid delivery to customers. A unique delivery system in this industry.

As a most fortuitous circumstance, Lofts Seed is located in the proximity of the world-famous New Jersey Agricultural Experiment Station at New Brunswick and works in close conjunction with Rutgers University. It is here that the most intensive search for new varieties is led by Dr. C. Reed Funk. According to John Morrissey, Lofts' Vice President with this company over 30 years, Dr. Funk "can almost develop varieties on demand''.

Special sod-mixing facilities are also located at Bound Brook. As an ardent supporter of the Interagency Certification procedure, all Lofts sod blends are packed under the direct supervision of the New Jersey Department of Agriculture's Division of Plant Industry. Lofts' proprietary varieties are carefully blended in separate, isolated areas to assure all seed is free from contamination.

Sod production is an expanding business, and the certification process is a cooperative one, including the seed companies, the Extension Service and the Department of Agriculture. Lofts has been one of the pioneers in the efforts to improve the sod business.

At Lofts' Martinsville, New Jersey Research Facilities, Rich Hurley, Vice President and Director of Agronomy and Research oversees an extensive, continuous research program. As the only commercial research facilities in this part of the country, it is where experimental varieties are evaluated for performance. Over 2,000 test plots enable Lofts' agronomists to conduct in-depth test programs for color, disease resistance, density, uniformity, heat and drought tolerance, effects of fertilization and shade performance. Greenhouses and shadehouses permit testing under a wide variety of controlled conditions. Varieties passing stringent tests at the New Jersey location are then evaluated under university supervision for climatic variations.

Continues on page 80

...It also cuts time, costs and covers its tracks.

Brouwer Hydraulic Lift mowers let you raise mowers with a touch of a lever—saves time in tight corners and when transporting. (Also available with standard lift).

The “all season” simple design, low maintenance mower makes a perfect cut even in wet grass because of PTO Drive.

For all grass maintenance, the Brouwer 5 gang PTO mower is a good cut above the competition.

BROUWER
Brouwer Turf Equipment Limited, Woodbine Ave., Keswick, Ontario, Canada L4P 3E9 Tel: (416) 476-4311

Circle No. 108 on Reader Inquiry Card

78 WEEDS TREES & TURF/APRIL 1982
Hudson Porta-Pak™ Ultra-Low Volume Sprayers use less pesticide, need less time...to treat areas more completely and effectively!

Perfected after years of development and field-testing worldwide, this Hudson compact ULV Sprayer offers advantages found in no other product of its type.

1.6 oz. per acre! over a range of 40 ft. (12.2 m) vertically and 50 ft. (15 m) horizontally. This large single-pass coverage provides real savings in pesticide and labor. And more important, the Hudson ULV Sprayer provides more effective insect abatement and plant disease control.

A better application method than foggers or mist-blowers, the sprayer disperses micron-size droplets in a high velocity air stream thus assuring better contact of flies, mosquitoes and other flying insects as well as uniform coverage of crops, plants and trees. It is especially recommended and efficient for control of pests in public areas such as parks and campgrounds. And, the Hudson ULV Sprayer is ideal for mosquito larviciding and adulticiding.

The Hudson Porta-Pak ULV Sprayer offers significant user convenience and comfort, with a contoured backrest padded with foam and a large, comfortable discharge hose handle. The sprayer is extremely well suited for government and public insect and plant disease control projects of all types. And, as are all Hudson Professional Products, this sprayer is engineered and designed for long, trouble-free service.

For more information about our Porta-Pak ULV Sprayer, portable 3, 5 or 10-gpm Porta-Power® Spray Pumps, or power or hand compression sprayers, simply fill out and mail the coupon below. Find out today how the Hudson Porta-Pak Ultra-Low Volume Sprayer can do a more effective job and save pesticide and time in your applications.

H. D. Hudson Manufacturing Company
Professional Products Division
2500 North Church Street
Rockford IL 61103

□ Please send me complete information and specifications about the Hudson Porta-Pak™ Ultra-Low Volume Sprayer. And send me information about:
□ Porta-Power Spray Pumps □ Power Sprayers □ Compression Sprayers

[Form fields for name, title, organization, address, city, state, zip]
less expensive and easier to repair than brass heads.

Toro's superiority in irrigation equipment over other brands is now proven out by the sheer number of top golf courses throughout the United States and the world that use it. Today, Toro irrigates 62 of the top-ranked 100 U.S. courses.

The large expansion of golf courses was reduced dramatically during the late 1970's with the oil embargo and subsequently rising energy prices, according to Watson.

Since that time, the challenge of energy conservation has been on the minds of turf managers as well as equipment manufacturers, he said. Toro's diesel GM-72 and its new GM-62, in addition to its diesel power Parkmaster and HTM-175, are aimed at helping improve fuel efficiency. Toro irrigation systems, because of their flexibility, are also helping meet the energy challenge.

And, Toro has already begun studying what could emerge as the biggest challenge to date: water conservation. A fresh water shortage, which could be crucial to hundreds of turf managers, could result in dramatic changes in the way turf is managed. Toro, as it has in the past will continue listening to the needs of turf managers—and take their research and design cues from what they hear.

Selmer Loft (left) and Dr. C. Reed Funk, turfgrass breeder for the New Jersey Agriculture Research Station.

Selmer Loft (left) and Dr. C. Reed Funk, turfgrass breeder for the New Jersey Agriculture Research Station.

and sensitivities. Promising varieties are then subjected to yield evaluations. These trials, conducted at research facilities on the West Coast, are required to determine a variety's ability to produce seed in sufficient quantities to warrant commercial release.

As a result of extensive research programs the turf industry has realized tremendous growth, particularly in the introduction of improved, proprietary varieties. For instance, during the mid 60's, Manhattan was the household word when it came to ryegrasses. Since that time Lofts alone has introduced Yorktown, Yorktown II and Diplomat fine-leafed perennial ryegrasses. Soon two "new generation" perennial ryegrasses will be introduced—Palmer and Prelude.

In the area of tall fescues, only recently have the new fine-leafed varieties become available with the introduction of Rebel and Clemfine.

Lofts market can be broken into two distinct segments:
1. the retail market such as mass merchandisers, garden centers, hardware stores where they sell not only seed, but a complete line of turf care products to the homeowner.
2. the professional or trade market which includes the landscape architect, nurseryman, grounds maintenance person, automated lawn care specialist, sod producer and golf course superintendent.

Golf courses alone represent a large portion of Lofts business and the company principals boast of the use of Lofts varieties on many prestigious courses where major tournaments are played, such as Pinehurst Country Club, Augusta National, and two of Arnold Palmer's courses—Bay Hill in Florida and LaTrobe in Pennsylvania.

Despite the growth and change in the turf industry which has taken place over the last 20 years, Lofts continues to be one of the few remaining family-owned and operated enterprises. A visit to Lofts' Bound Brook location would find employees who have been with the company over 30 years. And, a customer can call and speak directly to either of the principals, Peter or Jon. In these complex days of multinationals, conglomerates, wholly-owned subsidiaries and the like, it is comforting to know that personal contact and pride in quality products are still alive and well at Lofts Seed.

WTT