

Convert to automatic



Irrigation without taking a bath.

Toro has just introduced a new system that lets you install automatic irrigation without digging up your turf. So that means you don't have to dig down into your pocket to afford the conversion.

Toro's new MPC™ concept uses hydro-mechanical operation to control the sprinklers. And that turns the tide of rising irrigation system costs by doing away with new trenches and the installation of control wires or tubing. An MPC system simply responds to controlled pressure signals transmitted through your existing piping.

With an MPC system golfers play right through installation. In fact, your own crews can do most of the work of converting your quick coupler system.



Automatic irrigation pays off. In healthier, heartier turf. Better greens. And knowing that every night the watering will be done exactly right. With nobody around to get wet.

If an MPC system sounds hard to believe, you haven't heard anything until you find out how little the cost will be for your course. Call our Golf Course Marketing Manager, John Skidgel, today. His 24-hour number is 714-359-0701. One thing's for sure. You won't get soaked.

The Toro Company, Irrigation Division, P.O. Box 489, Riverside, CA 92502. International Telex: 676-490.



IRRIGATION DIVISION

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How Roundup® helped Jim Siegfried renovate this fairway in days, without closing it for one minute



Take a good look at this good-looking fairway.

Last fall, Jim Siegfried found a way to clean it up, without tearing it up—at the height of his club's busy season. With Roundup® herbicide by Monsanto.

Jim is the Greens Superintendent at Losantiville Country Club, Cincinnati, where bermudagrass had become a serious problem on the 18th fairway. To control it, Jim applied Roundup once—while the weeds were still actively growing—right at the start of the Labor Day weekend.

"That's really 'prime time' here," Jim told us. "But after we applied Roundup, we kept the fairway in play the whole weekend, and after. The members played right over it, with no problem."

Since Roundup has no residual soil activity, and won't wash or leach out of treated areas to injure desirable plants, Jim simply took normal precautions against spray drift—and didn't worry about damaging desirable vegetation along the fairway.

Even better, he was able to re-seed right into the dying bermudagrass only 7 days after applying Roundup—without loss of playing time or inconvenience to the membership.

Reinfestation won't be a big problem for Jim, either. He knows that Roundup destroyed the rhizomes of the treated weeds, helping prevent their regrowth.

Jim thinks he'll use Roundup again this year—and apparently some club members hope so, too. "As soon as they saw how good this fairway looks, some of the members started asking when I'm going to do the same for #10, where we have some more bermuda. I'll probably tackle that with Roundup this fall."

If controlling many tough emergent weeds and grasses is a problem for you, see your local Monsanto representative or chemical dealer soon for your supply of Roundup.

Roundup. It worked for Jim Siegfried. It can work for you.

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There's never been a herbicide like this before.

ALWAYS READ AND FOLLOW THE LABEL DIRECTIONS FOR ROUNDUP.
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For more information, contact Monsanto Agricultural Products Company,
800 North Lindbergh Blvd., C3NF St. Louis, Mo. 63166 (314) 694-1000. RFOID

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GREEN INDUSTRY NEWS

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Cover: Straw is crimped into slopes to reduce erosion while newly sewn wheatgrass gets established.



VIEWPOINT

Bruce F. Shank, Editor

What are rising fuel prices doing to your balance sheet? I'd like to compile remarks from all Green Industries on the affect of fuel prices. Please take a moment and jot down your remarks on this pressing subject.

To what extent will rising fuel prices reduce projected profits? Will they cause a loss? Are you forced to lay off employees to meet expenses? Are you having to refinance loans? Where are you cutting back?

After I've received your remarks,

I'll take them to a number of financial advisors for solutions. In November or December, the advise of these financial experts will be published in the magazine.

It is important to deal with these problems on both an individual and industry-wide basis. Solutions for service businesses will differ from businesses selling products. But the overall impact to the Green Industry should be collected and recorded and made known to government officials.

So please participate in this survey by mailing your remarks to Business Survey, Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, OH 44102. The more responses, the better the impact and the more weight it will carry with officials.

Directory first ... on computer

After three years of index cards and tons of retyping, the Buyer's Guide is now stored in the memory of our computer. This will make corrections more certain and allows us to instantaneously obtain specific lists of manufacturers.

The directory is twice as large as last year as a result. We'll continue to improve and expand it to meet your needs. Phone numbers have been added to eliminate delays of mail information requests. Please use it to make buying decisions this fall. Let the manufacturers know you got their number from Weeds Trees & Turf.



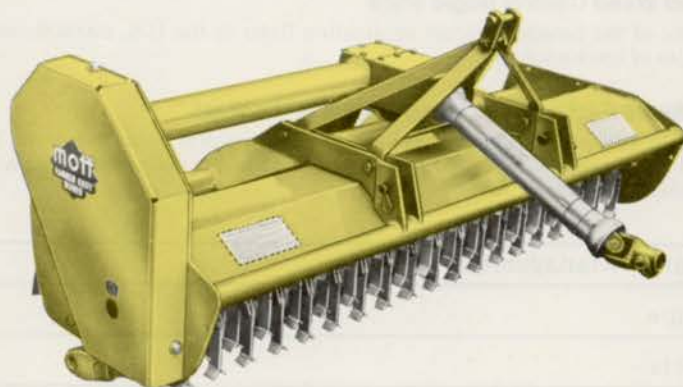
Computer operator Eileen Dring and I produce the first WTT computerized buyer's guide.

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Flail type mowers have a reputation for being safer than rotaries, and MOTT® is the ORIGINAL FLAIL SAFE MOWING SYSTEM. Designed for performance first, MOTT is the world leader in flails.

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Healthy Turf Next Spring Starts With IBDU® This Fall

Sure, there's more to maintaining quality, disease-free turfgrass than a couple of fertilizer applications. But turfgrass scientists across the country are reporting that a fall application of IBDU (31-0-0) can produce turfgrass with better root development and less disease problems.

Dormant turfgrass plants continue to produce rhizomes and roots, even though vertical growth has stopped. During this time nitrogen should be made available to the turfgrass plant as carbohydrates are naturally accumulating. Thus, scientists say, the optimum timing for nitrogen applications is during the fall and early winter months.

IBDU (31-0-0) is ideally suited for dormant nitrogen fertilization. Because of its slow release characteris-

tics based on hydrolysis, IBDU releases nitrogen later in the fall and earlier in the spring promoting better rhizome and root growth. A fall fertilizer program using IBDU should produce healthier more vigorous turfgrass plants and reduce the severity of several turfgrass diseases.

Remember. Healthy turf next spring starts with IBDU this fall.

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GREEN INDUSTRY NEWS

Nurserymen discuss national issues in Atlanta

Small business consideration, national marketing impact, and participation in national reforestation and beautification programs were among the topics discussed during the joint American Association of Nurserymen and Southern Nurserymen's Association meeting in Atlanta in August.

More than 2,500 nurserymen participated in the educational and business sessions as well as the trade show. Exhibitors overflowed into hallways and extra exhibit space at the Atlanta Civic Center.

Milton Stewart, chief counsel for Advocacy at the Small Business Administration and John Lewis, president of the National Small Business Association, were featured speakers on the topic "Identifying the Enemy — Government Regulation."

Lewis told delegates small businessmen must unite to stop the trend toward oligarchy in the U.S. He said Congress and the White House need to be convinced that

there are major differences between small businesses and giant business. Form regulations and taxation levels discriminate against the small business which constitutes 98 percent of the businesses and 59 percent of the jobs in the U.S. Lewis urged two-tiering of corporate income taxes and the investment tax credit.

Stewart said one nursery in Indiana had to fill out 105 separate forms last year to meet government regulations. Stewart urged businesses below \$2 million in service to participate in SBA programs.

LEGISLATION

Weed-Eater loses case of trimmer patents

A federal judge has declared invalid the patents held by Weed-Eater, Inc., a Houston-based firm which manufactures nylon-line lawn trimmers.

The decision ended more than four years of legal action that involved charges by Weed-Eater against the Toro Co. of Minneapolis, K&S Industries Inc., Fort Worth, Texas, and Allied Industries of Garden City, Kansas.

Weed-Eater contended that the other companies had usurped its patents for the rotary head lawn trimmers, famous for their safe fishing line cutting edge. The other lawn trimmer companies claimed in turn that Weed-Eater had obtained the patents from the U.S. Patent Office by fraud.

U.S. District Court Judge George Templar, ruling on the case on July 27, stated that the patents obtained by Weed-Eater do not cover new developments but information that was known already in the business.

Templar, who heard the case for more than a month and a half, concluded that the improvements Weed-Eater made on the lawn trimmers were not sufficiently unique from several earlier trimmers to warrant a patent.

COMPANIES

Toro buys Barefoot; into lawn care service

The Toro Co. has purchased Barefoot Grass Lawn Service, Inc., a five-year-old, Columbus, Ohio-based company, for an undisclosed amount of cash.

Barefoot Grass started as a subsidiary of O.M. Scott & Sons, but since 1975 it has operated independently. Sales this year are expected to be approximately \$3 million.

"We believe the lawn care service business is a logical diversification for our traditional lawn and turf equipment business," says Toro chairman David T. McLaughlin. "We are convinced that the company has both the systems and products to emerge as a leader in the fast-growing lawn care service industry."



Professor Dennis Ryan of the State University of New York at Farmingdale instructs an employee of a National Arborist Association firm during a pilot field training program in Ohio. The three-day program will be offered four times a year and covers all arborist basics such as pruning, climbing, knots and classroom instruction.

Weeds Trees & Turf FREE INFORMATION

Want free information on products and services advertised and featured in this issue? Use this card. Circle the numbers on which you want information and mail today.

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121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
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My question or comment to the editor is . . .

Weeds Trees and Turf is glad to answer your questions or publish your comments on any green industry topic. Questions will be answered by industry experts in the Vegetation Management or Proscape columns. Comments will appear in the Letters or Viewpoint columns.

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B

Barefoot Grass, unlike many others in that industry, uses granular instead of liquid products for lawn care. The company currently operates in 12 U.S. metropolitan areas with primary emphasis in Ohio.

McLaughlin says that the acquisition is an investment opportunity, and is expected to have no significant impact on earnings over the next two years.

Strategies for marketing and promotions have not been decided at this point.

WEEDS

Plant specialists discuss problem weeds

About 240 aquatic weed scientists from throughout the world attended speeches which concerned major aquatic weed problems and research being conducted on them at the 19th annual meeting of the Aquatic Plant Management Society.

Much of the discussion at the meeting, held in Chattanooga, Tenn., June 15-18, focused on the Eurasian watermilfoil and hydrilla, two threatening weeds.

The first paper was given by Arnett C. Mace, director of the Aquatic Weed Research Center at the University of Florida, Gainesville. His topic was: "The Aquatic Weed Research Center: Objectives and Approach," in which he stressed university involvement with aquatic weeds.

The second paper was "The Tentative Water Resources of the Tennessee Valley," given by Dr. Ralph Brooks, assistant director of aquatic resources at the Tennessee Valley Authority.

A large group of people from other countries contributed to the international session with talks from England, Canada, the Sudan, Australia, Mexico, and others.

All the foreign members attended a scientific field tour, hosted by the TVA after the three-day meeting. The two-day tour of TVA lakes and facilities included stops at Nickajack, Guntersville, and Wheeler Reservoirs.

"We looked at some control technologies, such as various chemical treatments and some of the screened barrier tests which are in other places of the country," said Leon Bates, TVA biologist. "It gave the foreign members a good opportunity to see some of the weed problems in this part of the south and to discuss mutual aquatic weed problems."

Landscape Contractor News

Three ALCA programs set for November

A seminar for landscape contractors on personnel and organization development has been scheduled for November 5-7 at the Riviera Hotel in Palm Springs, Calif.

The Associated Landscape Contractors of America and the California Landscape Contractors Association are sponsoring the seminar, entitled "How to get more profit and productivity from your people through effective communications." A nationally-recognized expert in the field, Jim Hooker of Jim Hooker & Co. in Chicago, will conduct the three-day event.

On November 5-9, the ALCA Landscape Maintenance Symposium will be held at the Red Carpet Hotel in Milwaukee. The meeting will feature a dual program — one for owners, executives, and managers, and a concurrent, separate program for mechanics and shop managers.

"The Development of the Design/Build Landscaping Firm" will be the overall theme for the 1979 ALCA Design/Build Symposium held on November 28-30 at the Kansas City, Mo., Marriott Hotel. The program will cover a variety of topics and include informal discussions.

Complete information and registration materials for the 1979 seminar and symposiums are available from: ALCA, 1750 Old Meadow Road, McLean, VA 22102.

Plants expert cited for superior teaching

Edward R. Hasselkus, horticulture and landscape architecture professor at the University of Wisconsin-Madison, recently received the 1979 L.C. Chadwick Award of the American Association of Nurserymen at its convention in Atlanta, Ga.

Hasselkus currently serves as extension horticulturist in landscape plants, and teaches and conducts research in landscape plant evaluation. He is a member of the UW Arboretum Committee, and also curator of the Longnecker Horticultural Gardens.

The award recognizes outstanding horticulture instructors who have shown superior performance in teaching, guiding, and motivating their students.

Pallet program nets \$2,000 for 1984 Olympics

The landscape industry in Southern California is helping Los Angeles Mayor Tom Bradley in his drive to bring the 1984 Olympics to this city.

A sod grower in Camarillo, Pacific Green Corp., a subsidiary of Pacific Sod Farms, delivers rolled-up sod to landscape sites on wooden pallets, which are usually left behind at the landscape site when the job is completed.

To get the Pallets back, Pacific Green Corp. offered to contribute a dollar to the Organizing Committee for the 1984 Olympics for each one returned to eight different collection points.

More than 2,000 pallets have been returned so far, and on July 13, Pacific's president, Richard Rogers presented a \$2,000 check to Mayor Bradley.

Arboretum develops hardy landscape plants

The 31-year-old Los Angeles County Arboretum in Arcadia has introduced more than 85 different varieties of plants to the Southern California community.

The hundred-acre plant paradise, with recreations of plant environments from five different continents, conducts research studies and displays plants from all over the world. In addition, it works to protect and preserve endangered species, and introduces plants suitable to the Southern California climate.

