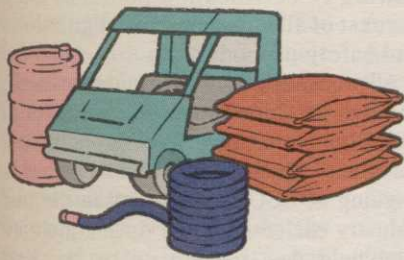


BRIEFS



WILLIAMS NEW IRRIGATOR SALES HEAD

RIVERSIDE, Calif. — Mark Williams has been named national sales manager at Irrigator Company, Inc., a Riverside-based manufacturer of soil moisture measurement and control systems. For the past three years, Williams has served as sales representative for the Southern California landscape market. Prior to that, he served as director of communications for the Irrigation Association.



Mark Williams

BENNETT HEADS UP CELPRIL MARKETING

Brad Bennett has been appointed CelPril's new marketing representative for the Southern United States. Bennett will serve as product coordinator for CelPril's new longer lived Rhizo-Kote XL Legume seed coating. Other responsibilities include working with vegetable seed and grass seed customers in the area of product support. Bennett was formerly with Pioneer Hi-Bred International. He will serve Texas, Oklahoma, Arkansas, Tennessee, North Carolina, South Carolina, Florida, Georgia, Mississippi, Alabama, Louisiana and Southern Missouri.



Brad Bennett

NEW MARKETING DIRECTOR AT E-Z-GO

AUGUSTA, Ga. — E-Z-GO Textron has named David L. Davis Jr. director of marketing. Davis was previously branch manager at E-Z-GO's Chicago facility. Davis joined E-Z-GO in 1985 as a sales representative for the Chicago branch. He was promoted to branch manager in 1986. Before coming to E-Z-GO, he was marketing manager for Public Risk Managers, Inc. in Atlanta.

SMITH JOINS HYUNDAI

SANTA ANA, Calif. — Barry Smith has been named Eastern Regional Sales Manager by Hyundai Golf Cars, U.S.A. Based in Atlanta, Ga., Smith is now responsible for overseeing Hyundai's Eastern regional sales division. In addition, he will coordinate Hyundai's manufacturing and distributor efforts to ensure that Hyundai fleets are promptly delivered and properly serviced. A graduate of Jones College in Jacksonville, Fla., Smith had spent the previous five years with Club Car.



Barry Smith

Mergers & Acquisitions

Watertronics, Commercial Pump Service join forces

Two manufacturers of packaged pump stations have joined forces in marketing their products and services.

Commercial Pump Service of Swanton, Ohio, and Watertronics Pumping Systems of Hartland, Wis., are integrating their sales, service and engineering capabilities. It will now be known as Watertronics-Commercial Pumping Systems.

The companies will continue to operate autonomously, integrating certain product lines and operations to better serve their customers.

This alliance creates a comprehensive line of pre-designed and custom-built pump stations and control systems available for golf courses, sports stadiums, turf growers and residential irrigation requirements, as well as a multitude of commercial, environmental and fire safety applications.

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Sandoz, O.M. Scott team up to develop Rizolex

Sandoz Agro, Inc. and the O.M. Scott & Sons Company have signed a limited time, exclusive agreement for the development and commercial introduction of tolclofos-methyl fungicide (Rizolex).

As a stand-alone product or in combination as a fungicide premix, Rizolex will utilize a new chemistry developed in North America by Sandoz Agro. This unique chemistry is designed to provide superior cost-effective brown patch and snow mold control for both cool and warm season turf applications.

Scotts and Sandoz have been screening tolclofos-methyl fungicide since the mid-1980s. The exclusive agreement between Sandoz and Scotts leverages Sandoz' strong basic position in control technology and Scotts' applied R&D and marketing strength.

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Deere, Marsh Design sign on with Golf Asia

By HAL PHILLIPS

SINGAPORE — Add John Deere Intercontinental the growing list of exhibitors scheduled to attend Golf Asia '93, the region's largest golf industry trade show, scheduled here for March 25-28, at the World Trade Center.

John Deere Intercontinental — Deere & Company's marketing arm in Asia, Latin America and the Caribbean — has been a participant in Golf Asia since its inaugural exhibition in 1990.

"Deere and Company's growth in the Asian golf and turf maintenance market, particularly within this past year, has been truly phenomenal," said Roy Wilson, territory manager responsible for Deere's development of the Southeast Asian turf maintenance market. "Much of this success we can attribute to the fine support that the Golf Asia Exhibition receives from all sectors of the Asian golf and turf maintenance community."

Also on board is Graham Marsh Golf Design, whose namesake — one of Australia's most noted touring professionals — recently christened the first nine holes of Negri Sembilan's Staffield Country Resort in Malaysia.

"Participation in Golf Asia once again is one I look forward to very much, knowing the core of the golf course development industry in Southeast Asia will be represented," said Marsh.

While Golf Asia '93 is designed to be a one-stop shopping venue — with playing and maintenance equipment under roof — the roster of maintenance, design and management firms continues to expand. Excluding manufacturers of clubs, balls and attire, here is a sampling of those company's that will exhibit at Golf Asia:

Agricultural Tractors Spares Pte. Ltd. (E-Z-Go Textron); American Golf Centers Ltd. (golf facilities); Austin Hills Country Club, resort wing; Australasian Golf Masters Pty. Ltd. (course design); Bay Bronze Industries (course accessories); Beaver Sports Pte. (course accessories); Berleburger Schaumstoffwerk GMBH (outdoor rubber tile); Bowie Weyerhaeuser Silver-Fiber Mulch (hydroseeding/hydrosprigging); Ditch Witch International (trenchers); Emerald One Golf & Country

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Ground water at Fripp Island GC is naturally high in salt, which crippled many fertility programs.

Combating fertilizer inefficiency by addressing pH levels and high salinity

By FRED REHRMAN

When irrigation water is of poor quality due to either high pH or high salt content, nutrient availability problems can potentially result. Such is the case with many coastal courses in South Carolina.

Dr. Charles Peacock, associate professor in the Department of Crop Science at North Carolina State and chairman of the NCSU Turf Work Group, visited several coastal courses and believes the water being used

comes from aquifers of generally poor quality with high salt contents.

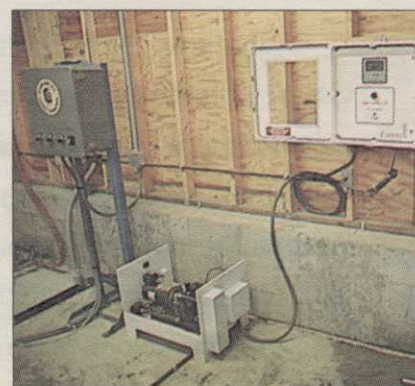
"The water used at Kiawah and Seabrook (both near Charleston) contains high levels of bicarbonates and carbonates that combine with high sodium levels to create soil pH problems," said Peacock, who added that pH is only part of the problem. "High sodium levels in irrigation water will displace calcium and magnesium in the soil, which are favorable for plant growth. Eventually, you start to develop nutritional problems."

Peacock said the excess of undesirable salts in the water create an osmotic stress within the plant that interferes with nutrient uptake at the point of absorption in the roots. If the salts are absorbed, then the plant has to deal with them internally.

South of Charleston, another course that perennially deals with these problems is Fripp Island Golf Course. Kevin Lashley, superintendent at Fripp Island, said well water and effluent used for irrigation is so high in salts that fertility programs have often been failures.

"With the water and soil pH so high, our fertility programs never really

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After treating irrigation water, soil analyses showed salts dissolved and pH levels lowered.

Ohio Turfgrass Conference headed back to Columbus in 1993

By TERRY BUCHEN, CGCS

COLUMBUS, Ohio—The Ohio Turfgrass Conference, this country's largest regional turfgrass conference and trade show, is moving back to Columbus on December 6-9, 1993. After a successful three-year run in Cincinnati, the Ohio Turfgrass Foundation signed a new 10-year contract to house the conference in the newly remodeled and enlarged Columbus Convention Center.

"We really enjoyed our three years in Cincinnati, but our attendance should grow even more having the conference located in the middle of our state," stated Ed Eaton,

chairman of the show and convention committee. "With over 4000 attendees, more than 300 exhibitors, and 32 speakers, the focal point is to have a different educational theme each year," Eaton noted.

"During our 26th Annual Conference in 1992, we initiated a job fair, hooking up prospective employers and job seekers to go through the interview process. We also continued our Silent Auction with over 30 companies donating a vast variety of items to further raise monies for the turfgrass industry," Eaton further explained.

John Street, executive secretary of the

OTF and Fred Bosh, chairman of the program committee, have done a great job in that department. The education workshops, in addition to the split and general session conference, have been extremely successful and they have only scratched the surface of the many future topics to be discussed.

The pesticide license training, testing, and re-certification has been well attended during conference week. Each educational speaker gives out a code word made up of letters and numbers at the "end" of each talk to maintain credibility while ac-

quiring re-certification points to keep abreast of all new pesticide regulations and safety procedures.

All proceeds go toward grants, research, and scholarships under the auspices of The Ohio State University Agronomy Department. Much of the research that is ongoing at OSU is shown off to the turf industry each September during their annual field day, headed up by Dr. Karl Danneberger.

For further information about any of the OTF activities please contact Phyllis Selby at 614-292-2601 or at OSU please contact Dr. Danneberger at 614-292-8491.



Golf Asia '93

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Club (resort developer); Farmers Marketing Corp. (turf); Forma Design Inc. (course design/planning); Gary Player Design Company; Gemas Golf Resorts (developer); Golfoto Inc. (course design); Golfplan-Ron Fream (course design); Golfscapes Asia (course design); Graham/Panks International (course design); Greenputt Corp. (course accessories); Guthrie Batam Resorts (developers).

Hardie Irrigation Pty. Ltd.; Hon Leong Corp. (Deere & Yamaha); Irrigation Hawaii (design); J. Michael Poellot Golf Design Group Inc.; Kato International Design Inc. (course design); Klages Carter Vail & Partners (course design); Kukup Golf Resort Management; L&M Fairway Pte. Ltd. (course construction); Nelson & Wright Golf Course Architects; New Zealand Tourism Board (developers); Nicklaus Design; OSV Engineering (golf cars/vehicles); Pacific Coast Design (design software); Pacific Golf (course construction); Palm Resort (developers); Palmer Course Design; Paradise Bay Golf Resorts (developers); Parks Supplies Co. Ltd. (rubber paver); Peter Dalkeith Scott & Partners (course design); Private Clubs International (management, design, developers); PT Intan Fajar (developers); Pulai Spring Resorts (developers); Rainbird Southeast Asia (irrigation); Raja and Associates (engineers, financiers); Resort Poresia Japan (course management); Richardson Nagy Martin (course design); Robbins & Associates Ltd. (course design, construction, management); Robert Trent Jones II International (course design).

Samwoh Engineering Pte. Ltd. (turf equipment); Sanders Hydraseeding Malaysia; Southern Turf Nurseries; Starhill Golf Resorts (developers); Techno Leisure Co. Ltd. (range equipment); The Scotts Company (fertilizer, pesticides, seed); Toro International Irrigation; Tractors Singapore Ltd. (turf maintenance equipment); Transworld Turf Inc. (course shaping, turf); Turf Feeding Systems Inc. (fertilizer, irrigation); Yuasa Shoji Pte. Ltd. (range equipment).

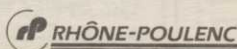


A TURF'S-EYE VIEW OF

What's really frightening about this vision is that every year your turf is seeing more of them. And it's this increased traffic that's making even your hardiest varieties more vulnerable to disease damage.

That's where CHIPCO® brand 26019 fungicide comes in. With its unsurpassed

control of Helminthosporium Leaf Spot and Melting Out, Dollar Spot, Brown Patch, Fusarium Blight and Red Thread, CHIPCO® 26019 is simply the best investment you can make to ensure the quality and play-ability of all your turfgrasses. It even protects against



Rhone-Poulenc Ag Company, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. For additional product information, please call