



Officers

President **Thomas Benefield, CGCS**
BallenIsles CC of JDM
100 BallenIsles Circle
Palm Beach Gardens, FL 33418
(407) 622-0177

Vice President **Mark Jarrell, CGCS**
Palm Beach National GC
7500 St. Andrews Road
Lake Worth, FL 33467
(407) 965-0046

Secy/Treasurer **Paul Crawford**
Palm Beach Country Club
P.O. Box 997
Palm Beach, FL 33480
(407) 845-2395

Past President **Ray Hansen**
Del Aire CC
4645 White Cedar Lane
Delray Beach, FL 33445
(407) 495-0536

Directors

Big Bend **Buck Workman**
Valdosta CC
(912) 241-2003

Central Florida **Joe Ondo, CGCS**
Winter Pines Golf Club
(407) 671-1651

Everglades **Buddy Carmouche, CGCS**
Hole-in-the-Wall GC
(813) 261-0598

North Florida **Brigid Braun, CGCS**
Matanzas Woods CC
(904) 446-6332

Palm Beach **John Gallagher**
Boca Woods CC
(407) 483-4855

Ridge **Alan Puckett**
Lake Region Y&CC
(813) 324-4678

Seven Rivers **Tim Sever**
Sugar Mill Woods Country Club
(904) 382-2100

South Florida **Dale Kuehner, CGCS**
Colony West Country Club
(305) 721-5980

Sun Coast **Talbot Denny**
El Conquistador Country Club
(813) 775-9709

Treasure Coast **Scott Bell**
Bent Pine Golf Club
(407) 567-9422

West Coast **Greg Plotner**
Tampa Palms G&CC
(813) 972-3375

Staff

Secretary **Marie Roberts**
1760 NW Pine Lake Dr
Stuart, FL 34994
Phone: Days (407) 692-9349

CONTENTS



JULY/AUGUST
1992

PRESIDENT'S MESSAGE CHANGES IN FLORIDA GOLF COUNCIL 4
President Tom Benefield discusses recent leadership changes in the Florida Golf Council and the continued importance of that organization.

SPOTLIGHT TWO GOLF TOURNEYS IN NAPLES 6
The Poa Annuu Classic and the G.C. Horn Memorial Tournament were accompanied by educational sessions for turfgrass managers as the FGCSA was hosted by the Everglades chapter at the Naples Beach Club, May 16-18. A three-way tie for the lead in the Poa required a playoff.

COVER STORY TAMPA PALMS HAS MUCH MORE 12
Greg Plotner, CGCS, has an abundance of flora and fauna surrounding him each day in North Tampa. But managing water quality in this floodplain of the Hillsborough River requires skill and knowledge.

SPECIAL REPORT OVERVIEW OF GOLF AND THE ENVIRONMENT 22
James T. Snow, national director of the USGA Green Section, explains the situation the entire golf industry faces regarding the environment, environmentalists and potential government regulations.

HANDS ON NUTRITION FOR YOUR TURF 28
Steve Kuhn, superintendent at Doral Country Club, reviews the fertility programs in use by his South Florida colleagues. A wide variety of methods and materials are used by these turf managers, all of whom feel confident they are doing it right.

MORE FERTILIZATION PHINDING MORE FOR YOUR SOIL 34
IpH you need more nutrients from your fertilizer, getting the right pH balance in your soil is the key.

FOR THE BIRDS RON DODSON WANTS YOU 36
It started in New York, but the movement is going nationwide as more courses enlist in the Audubon Cooperative Sanctuary Program sponsored by the Audubon Society of New York State. Is your course among the next 1,000 to be certified?

GREEN SIDE UP JOEL SAYS SAYONARA 48
Joel Jackson is trading in his editor's green eye shade for a reporter's notebook as he says good-bye as helmsman of *The Florida Green*. Joel explains the wherefores and the whys in his final words as editor. The pleasure and the reward was ours, Joel.

The Florida Green

Official Voice of the Florida Golf Course Superintendents Association
 Published six times a year: On the first of February, April, June, August, October and December

- editor/publisher emeritus** **Dan Jones, CGCS**
 Banyan GC
 West Palm Beach
- editor** **Joel D. Jackson, CGCS**
 Osprey Ridge G.C.
 Address Florida Green business to:
 6780 Tamarind Circle, Orlando, FL 32819
 (407) 351-3729
 (407) 363-4514 Fax
 (407) 824-2687 Work
- assistant editor** **Tom Benefield, CGCS**
 Ballen Isles CC of JDM
 100 Ballen Isles Circle
 Palm Beach Gardens, FL 33418
 (407)622-0177
- publications chairman** **Mark Jarrell, CGCS**
 Palm Beach National GC
 7500 St. Andrews Road
 Lake Worth, FL 33467
 (407) 965-0046

Janlark Communications

Janlark Communications, Inc., publishes The Florida Green on behalf of the Florida Golf Course Superintendents Association, which sets all policies.

- publisher** **Larry Kieffer**
managing editor **Philip Pettus**
contributing editor **Kit Bradshaw**

Resources

- photography** **Brian Everhart**
 536 Ave. A, NE
 Winter Haven, FL 33880
 (813) 293-2554
- color separations** **Dimension, Inc.**
 1507 West Cass St.
 Tampa, FL 33606
 (813) 251-0244
- production film** **Bartow Printing Company**
 495 East Summerlin St.
 Bartow, FL 33830
 (813) 533-4114
- printer** **Rinaldi Printing Co.**
 4514 Adamo Drive
 Tampa, FL 33605
 (813) 247-3921

COPYRIGHT NOTICE: Copyright 1992, Florida Golf Course Superintendents Association. All rights reserved. May not be reproduced in whole or in part without written permission of the publisher. EXCEPTION: Official publications of all golf course superintendent associations affiliated with the Golf Course Superintendents Association of America are welcome to use any material contained herein provided they give credit and copyright notice.

SUBSCRIPTIONS: \$20 for six issues. Contact the FGCSA office.

ADVERTISING: For rates and information, contact Janlark Communications, Inc.

EDITORIAL: All inquiries should be directed to the editor, Joel Jackson, CGCS. Unsolicited manuscripts and photographs cannot be returned.



208-B South Bartow Ave.
 P.O. Box 336, Auburndale, FL 33823
 813-967-1385 Fax 813-967-4553

Advertiser Index

A. Duda & Sons	8	Liquid Ag Systems, Inc.	43
AFEC Fertilizer & Chem	10	Milorganite	21
Almar Chemical Co.	18	Nucrane Corp.	C3
AmerAquatic Inc.	18	Nutri-Turf, Inc.	43
Aquatrols Corp. of America	15	Regal Chemical Co.	15
Arbor Tree & Landscape	19	Rhone Poulenc	17
Central Florida Turf	14	South Florida Grassing	19
Chemical Containers, Inc.	14	Southern Mill Creek Products ...	41
Delray Stake & Shaving	26	Spread-Rite, Inc.	45
E.R. Jahna Industries	33	Standard Sand & Silica	39
Environmental Waterway Management	8	Stoller Chemical Co of Florida ..	35
Florida Nurseryman	29	Sunniland Turf Products	33
Florida Silica Sand	26	Terra International, Inc.	45
Golf Ventures	31	Terracare Products, Inc.	11
Harrell's, Inc.	7	TMI Turf Merchants	25,47
Hunter Industries	23	Tom Burrows Turfgrass Svc	45
ICI Professional Products	Insert	Turf-Tec International	19
Lebanon Chemical Co.	2	Valent USA	9
Lesco, Inc.	1, Back cover	Vigoro Industries	5
		Woodbury Chemical Co.	27
		Zaun Equipment Co.	45

Welcome!

The following companies are advertising in *The Florida Green* for the first time:

- Florida Nurseryman Trade Show 29
 Lebanon Chemical Co. 2
 Regal Chemical Co. 15
 Southern Mill Creek Products 41
 Vigoro Industries 5

TURFGRASS QUIZ

OMASCARO



Problem:
 Turf severely burned.

Location:
 Golf green.

Clue:
 Grass injured in streaks.

Please See Page 40

LESCO Golf Course Accessories

LESCO has a line of quality golf course accessories including the new **LESCO BUNKER RAKE** and **BALL WASHER**. Our new Bunker Rake has a contoured, 16-inch replaceable head constructed of molded, high-impact plastic. The fiberglass handle measures 48 inches and has a five-inch cushioned grip.

The **LESCO Ball Washer** has a durable Cyclocac[®] body and agitator with a tight-fitting, high-impact top cover. It includes corrosion-resistant tee towel clips for added convenience.

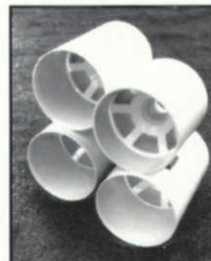
LESCO now has a complete line of accessories for tee-to-green use. We have markers for tees, cart paths, out-of-bounds, distance and special events. Our new aluminum and zinc tournament quality cups are painted for long wear and are a perfect match for our standard and tapered flagpoles.

We also have plain, numbered and custom flags, tee towels, rakes, ropes, stakes, the finest quality hardwood maple bench on the market, AND MUCH MORE.

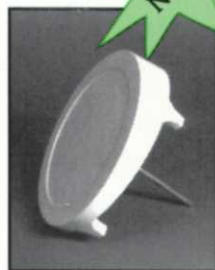
MAKE LESCO YOUR GOLF COURSE ACCESSORIES SOURCE . . . CHECK OUR CATALOG FOR THE COMPLETE LINE, CONTACT YOUR LESCO Golf Course Sales Representative, or call 800-321-5325. In Cleveland call 333-9250.



Bunker Rake



Cups



Tee Marker



Information Signs



Golf Ball Washer and Tee Towels

LESCO — Tournament Quality Golf Course Accessories

LESCO

ESTABLISHED 1962

20005 Lake Road
Rocky River, Ohio 44116

Fertilizers, Seed, Control
Products, Equipment, Parts

800-321-5325
In Cleveland call 333-9250

WHEN IT COMES TO EVEN NUTRIENT DISTRIBUTION, CONSISTENT RESULTS AND PREDICTABLE GROWTH WITH EACH AND EVERY APPLICATION, BLENDS JUST CAN'T EQUAL THE PERFORMANCE OF HOMOGENEOUS GREENS GRADES FERTILIZERS. ■ IN FACT, USING A BLENDED PRODUCT ON YOUR GREENS IS KIND OF LIKE USING A ROTARY MOWER WALL-TO-WALL. IT'S JUST NOT THE MOST EFFICIENT TOOL FOR THE JOB. ■ THAT BEING SAID, WE'D LIKE TO BUILD A CASE FOR OUR LINE OF GREENS GRADES. BECAUSE DESPITE WHAT YOU MIGHT HAVE HEARD, THERE IS A DIFFERENCE. ■ FOR STARTERS WE'VE GOT FIVE PREMIUM FORMULATIONS. COUNTRY CLUB® 18-4-10, 18-3-12, 18-0-18, 8-4-24 AND 10-18-18. ALL ARE IDEAL FOR GREENS, BUT ALSO A SOUND VALUE FOR FAIRWAY APPLICATIONS. ■ AND OUR DISTRIBUTION NETWORK IS LARGER. SO YOU CAN BUY JUST WHAT YOU NEED, WHEN YOU NEED IT. ALL FOR ABOUT THE SAME PRICE AS WHAT YOU'D PAY FOR BLENDS. ■ SO WHY NOT CALL YOUR LOCAL LEBANON DISTRIBUTOR OR 1-800-233-0628 FOR MORE INFORMATION. BECAUSE WHEN IT COMES TO GREENS GRADES, THERE'S NO MATCH FOR COUNTRY CLUB.



UNFORTUNATELY, BLENDS JUST CAN'T MATCH OUR GREENS GRADES.



Update on the Florida Golf Council



Tom Benefield, CGCSA
FGCSA President

There is significant news to report today. The last two months have been extremely eventful on several fronts. I will be sharing them with you for the next few moments.

First, there is the news on the Florida Golf Council. Effective June 1, 1992, Bobby Brantley will not be serving the Florida Golf Council as its executive director in Tallahassee. He has resigned to pursue business opportunities in Colorado.

He will be back in Florida in November and has told the council he would like to continue representing their interest in the state capitol upon his return.

I feel that this is a very appropriate move on his part and also to our benefit as well. During the summer and fall months there is no need to fund a lobbyist. The legislature is not in and we could more wisely spend our money during this period.

I still feel as strongly today as I did yesterday that Mr. Brantley is the man for us. His little hiatus from Florida will do much to give this servant of ours a needed rest and when he returns he will be ready and able once again to defend our industry for us. In the interim, President Jack Mathis will be serving in the role of executive director for the council.

At the board meeting of the Florida Golf Council in June we got another shock. Mr. Ray Finch resigned as chairman of the board effective immediately. It was the wisdom and foresight of Mr. Finch which created the Florida Golf Council. He has been our most ardent supporter and much is owed to this man who was willing to put his money where his convictions were.

The good news here is that Mr. Finch has stated he will continue to do whatever he can to see that the Florida Golf Council remains the productive force it has become.

It is only proper to note that the council in its first two years of operation has won some major victories for the golf industry and it has become evident that this association must be kept strong.

There have been discussions about the next chairman should be. There are several candidates at this time but no one has

been selected or has accepted. This is a very demanding job. The next chairman should be able to communicate effectively within the membership and also relate well to the media and our industry's critics.

One of the major stumbling blocks with the Florida Golf Council is funding. There is talk on the FGC board to merge the council with another association. The FGCSA has been mentioned in this regard, as have the Florida Turfgrass Association, the National Golf Foundation, the Golf Course Owners of America and others.

It really does not matter as to what association the council is merged with as long it is on the state level. All of the above mentioned associations would serve as excellent avenues for the council to operate from. The important thing is to keep the Florida Golf Council a viable entity to represent all golf industry interests.

The Florida Golf Council has become well-known in state political circles. We have gained the respect and attention of the lawmakers and regulators. To move in any direction other than forward with our agenda could be disastrous for the industry. We must make all efforts to ensure this association continues to grow and prosper, to do otherwise would be neglecting our duty to our industry.

The make-up of the new board should be similar to the present one in that all major support groups would be involved. All decisions on the direction and activities of the council would be handled through this board. This is going to occur whether we are the base support or some other entity is.

We have talked for many years of what we need. We have been given this opportunity by Mr. Finch through his visionary efforts. It is time to do what should be done. We have come too far to give up this fight. Our future and our industry's future is in our hands. Let's not rest it while we hold it, but massage and knead and mold it into something that people many years from now can say was a job well done.

This will not be an easy task, but then anything easy to do is never worth much.

Apply Par Ex, with our exclusive IBDU® controlled-release nitrogen formula, and watch it go directly to work where it's most effective. In the root zone. Once there, it continually feeds your turf with the vital nutrients needed to keep it greener and healthier longer.

And because our IBDU controlled-release nitrogen is not triggered by temperature and

bacteria during warm weather months, the potential for growth surge and nitrate leaching is practically non-existent. Even in regions of the country where the soil is sandy.

With Par Ex, you get the best of all worlds. Greater protection against nitrate leaching. Reduced growth surge, which means fewer clippings, less disposal concerns and lower labor

cost. And, most important, extended greening of your turf throughout the year.

Find out how well Par Ex gets to the root of the matter, call us at 1-800-521-2829.

par ex
THE EX STANDS FOR EXCELLENCE

PAR EX GETS TO THE ROOT OF THE MATTER AND NO DEEPER. ALL YEAR 'ROUND.





Tied after regulation play, Joe Ondo(left), Mark Henderson(center) and Glenn Klauk(right), warm up for the sudden death playoff in the Poa Classic.

Photo by Joel Jackson

Rest, relaxation and reorganization in Naples

Everglades chapter hosts FGCSA for Horn Memorial, Poa Annuia Classic tournaments

Kicking back for a weekend at a beach-side resort is a novel way of conducting business and undergoing training, but that's what the Everglades Chapter invites the members of the FGCSA to do every spring. This year was no exception and the FGCSA members converged on the Naples Beach Club this past May 16-18.

On Saturday morning the FGCSA Officers and Board of Directors met to discuss the needs, goals, and challenges facing the association, and determine appropriate courses of action. Pro-active environmental strategies, turfgrass research project funding, professional education programs, and public and political awareness issues commanded the most attention.

Later that day, pens, pads, and briefcases were replaced by putters, score cards



Photo by Joel Jackson

Mickey Lovett of CIBA-Geigy outlines innovative, cooperative rebate program between CIBA-Geigy and FGCSA members to the Board of Directors.



The grass is
always greener on
the *Harrell's*
side of the fence.



Harrell's. The Fertilizer Standard of Excellence.

For years we've been mixing, analyzing and constantly improving our fertilizers to give you the nutrients you need and the spreadability you demand. Plus we "triple screen" our green and tee mixes for true putting and smooth driving quality. You won't find a finer fertilizer!

Great Service, Too!

Relax. With Harrell's your fertilizer arrives on time. Every time. It's always in perfect condition, too. So whether you choose 50-pound plastic bags (we unload 'em for you), or our ready-to-use bulk trailer, there's no mess or hassle. Great service comes in a Harrell's bag.

Finally, a Prescription Fertilizer Made Just For Your Greens.

Golf greens need nutrients specific to their area—that's why we custom blend every order. Our four professional formulators, (with 153 total years experience in turfbuilding), blend every pound of your Harrell's turf grass fertilizer to your exact specifications, to give you the greenest greens ever. We know fertilizer—and we know golf courses.

Ask The 500 Florida Golf Courses Now Using Harrell's.

Go ahead. Call your associates using Harrell's fertilizer. They'll tell you about their green, lush turf. They'll talk about great spreadability. And they'll tell you how much easier life is with Harrell's custom blends.

Keep your owners, members, greens committee and everybody else on your side of the fence happy. Call for Harrell's Fertilizer today.

1-800-282-8007



DUDA SOD



Come visit our booth at
FNATS (#771-775) and
FTGA (#621-623)

CertiTurf
 THE QUALITY GRASS

Tifway 419

Floritam

Bitter Blue

FX-10



Zellwood 904-383-6111	Cocoa 407-636-3966	Ft. Pierce 407-461-0962
Oviedo 407-365-2189	Ft. Lonesome 813-633-1447	LaBelle 813-675-0545

DUDA
 A. Duda & Sons, Inc.

1-800-FOR-DUDA

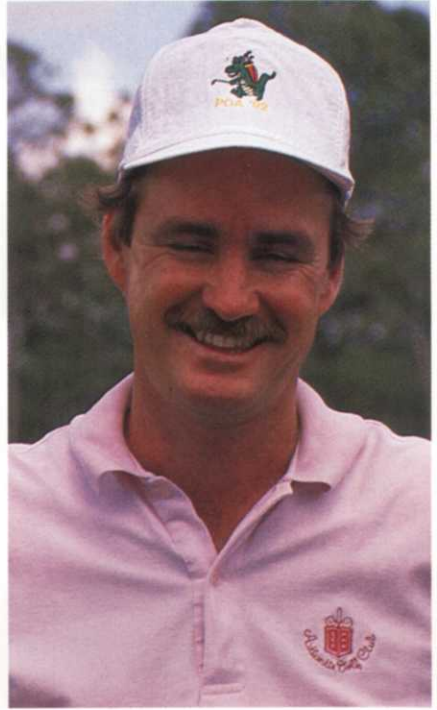
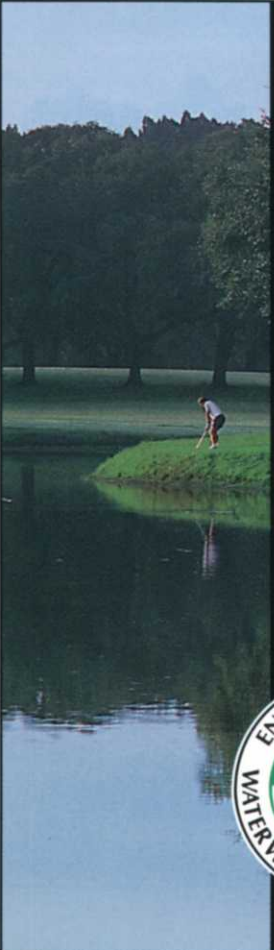


Photo by Joel Jackson

Poa champion

Mark Henderson, superintendent of the Atlantis G. C. in West Palm Beach, pars two playoff holes to defeat his fellow competitors.



Environmental Waterway Management... "Preserving Your Liquid Assets"

Water, water, everywhere...it's the number one visual and recreational amenity at golf courses, apartment complexes, corporate parks, state parks, cities, and developments throughout FLORIDA—and Environmental Waterway Management's "Aqua-Technicians" and Biologists are specialists in keeping your waterways clean, healthy, and attractive!

Environmental Waterway Management can provide you with ALGAE & Aquatic Weed CONTROL, Floating Fountains, Lake Aeration, Wetland Planting, Fish Stocking and Much More.



For a FREE site analysis, contact
Environmental Waterway Management

East Coast Branch Office 5000 Oakes Road, Building H Fort Lauderdale, FL 33314 (305) 581-2994	Southwest Florida Branch Office 2147 Porter Lake Drive Suite C Sarasota, FL 34240 (813) 371-8081
Central Florida Branch Office 4075 L.B. McLeod Road Suite C Orlando, FL 32811 (407) 843-7887	West Coast Branch Office 12918 Dupont Circle Tampa, FL 33626 (813) 854-1113

North Florida Branch Office
 Serving the Jacksonville Area
 1-800-832-Lake

and golf bags as the annual G.C. Horn Memorial Tournament held at the Beach Club golf course earned much-needed dollars for the FTGA Endowment Fund bearing Dr. Horn's name.

The two-man scramble event has become the traditional way we honor the man who pioneered the so highly-successful turfgrass industry in our state. Many of us were educated formally and informally by "Granny Horn" at the University Of Florida or in numerous turf seminars throughout the years.

Sunday morning, those seeking GCSAA continuing education credits for certification and/or Florida DACS Restricted Pesticide License credits, attended a two-part program.

Part 1: Pesticide Waste and Mixing/Loading Site Management by Steven Dwinell of the Florida DER. **Part 2:** Government Regulations and the Superintendent by John Hinkle of the Employers Association of Florida. Two topics that are so timely and time consuming for today's turf manager.

Monday arrived and the 1992 Poa Annua Classic was contested at the Fla-

ORTHENE® will keep unwanted pests off your turf.

Trying to control a broad range of tough turf pests like mole crickets, fire ants, fleas, chinch bugs and the worm complex is no day at the beach. That's why you should use ORTHENE.®

ORTHENE kills both on contact and with long-lasting systemic action, and

can be applied to lawns, ornamentals, shrubs, even trees. You can also combine ORTHENE with many miticides and fungicides for more effective pest and disease control with just one application.

ORTHENE is waterproof within 24 hours, and its chemical structure allows it to break down quickly, eliminating the threat of harmful buildup in the soil.

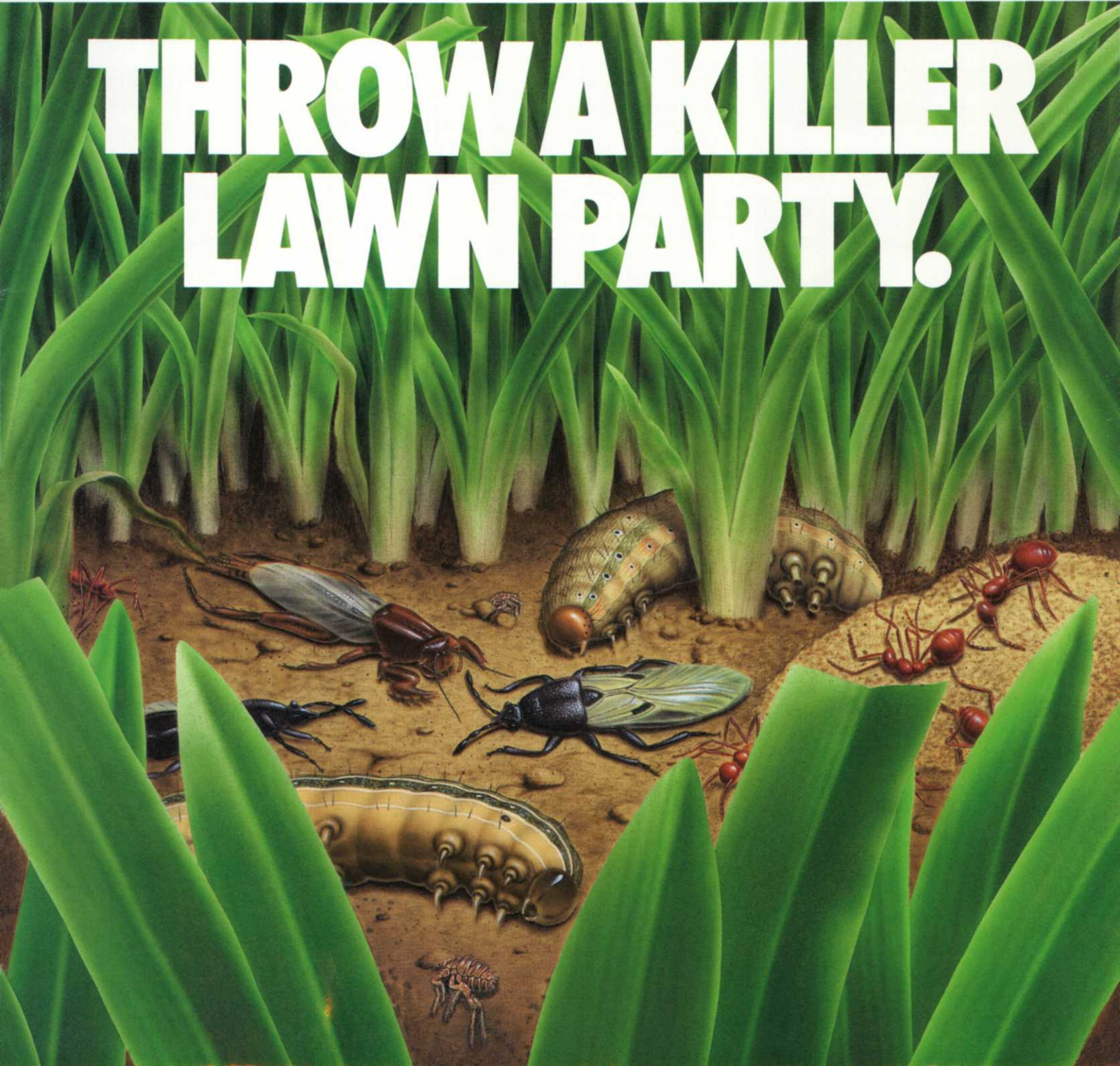
Throw a party your toughest turf pests will never recover from, with ORTHENE Turf, Tree and Ornamental Spray.

ORTHENE® Turf, Tree & Ornamental Spray

For safety, always read and follow label directions. © 1992 Valent U.S.A. Corp. All rights reserved. ORTHENE is a registered trademark of Chevron Chemical Co.



THROW A KILLER LAWN PARTY.



mingo Island Golf Club. Offering individual as well as chapter team competition, this year's tournament was spared from the rainouts that had come to mar the event the past several years.

This year also saw a rare playoff for the individual low gross champion. After regulation play, Glenn Klauk, Mark Henderson, and Joe Ondo were tied with 73s. Glen and Joe made long par-saving putts on the first playoff hole to tie Mark's tap in par putt and force a second hole. Unable to duplicate that feat again on the next hole, Glenn and Joe relinquished the title to Mark as he once again tapped in for the winning par. The Palm Beach Chapter continued its dominance by repeating as Team Champions.

As always it was nice to spend some time with family, friends, and peers in a relaxed atmosphere that allowed us to share personal and professional experiences, sunshine, sea breezes, and sun-downs.

International Turfgrass Research Conference will convene in 1993 in Palm Beach at Breakers

The world's leading researchers in the turfgrass industry will be coming together at the seventh International Turfgrass Research Conference, July 18-24, 1993 at the Breakers Resort in Palm Beach.

They'll be sharing the latest in turfgrass environmental, chemical, biological, management and breeding developments.

This will be the first conference held in the United States in 20 years; past conferences have been held every four years in such locations as Canada, Germany, France, Great Britain and Japan.

Possibly 1,000 international turfgrass industry leaders and scientists will attend the event, sponsored by the International Turfgrass Society.

The conference will showcase presen-

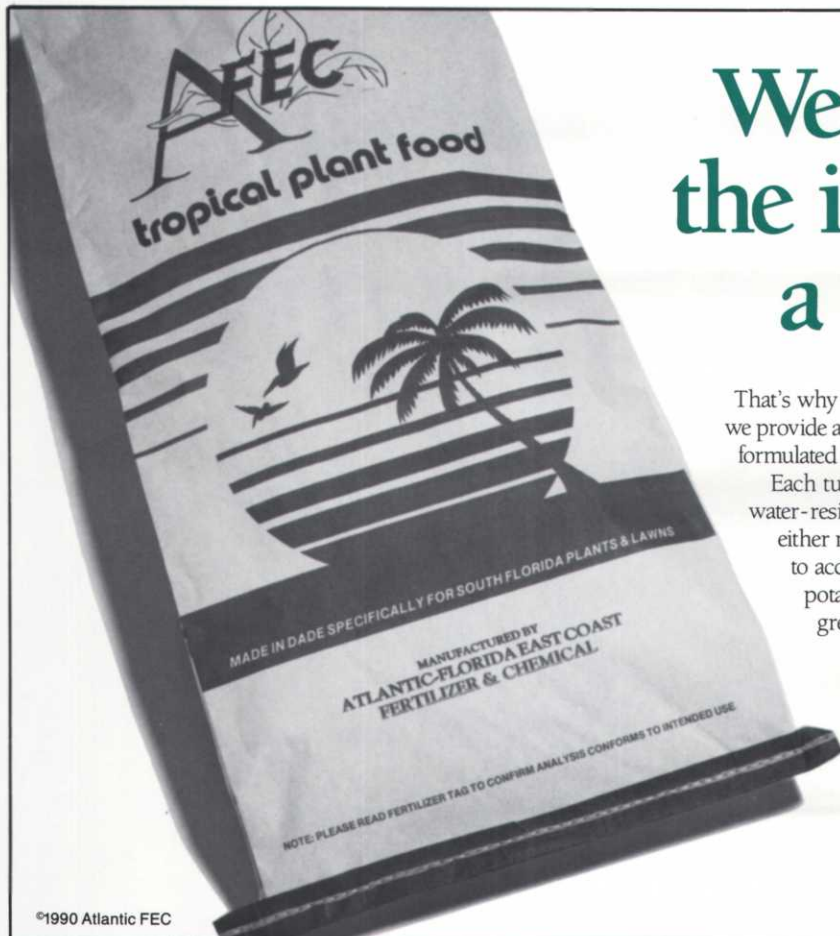
tations from more than 200 participants and feature symposia and plenary sessions on selected, far-ranging topics. Session titles include *Water Conservation*, *The Environmental Fate of Pesticides*, *Breeding of New Varieties of Turf*, *Pest Management* and *Soil Fertility*.

ITRC offers complete registration packages to all members. Local turfgrass professionals are encouraged to attend the event.

The ITRC will also be offering 7-10 day-length, pre- and post-conference tours of the nation's southeastern and west coast turf industry.

Additionally, tours of several of Florida's local turf industry sites are being offered for those who are interested, including the newest environmental research facility: Envirotron.

Jointly funded by the Florida Turfgrass Association and the State of Florida, the Envirotron is currently under construction and located at the University of Florida campus.



We understand the importance of a good mix.

That's why it's important that you get to know Atlantic FEC. Because we provide a variety of specialty mixes and related products specifically formulated for the South Florida turfgrass industry.

Each turfgrass mix is delivered by Spyder equipped trucks in water-resistant paper or plastic bags. Bulk material is available in either normal size Killebrews or "small door" (24") Killebrews to accommodate your turf spreader. Drop trailers, sulfur coated potash, and new Micro Prill Greenskote, a quality putting green blend, also available.

Call us toll free at 1-800-432-3413 or visit us at 18375 S.W. 260th Street in Homestead to find out how you can benefit from quality mix from the Atlantic FEC turfgrass professionals.

Atlantic FEC
Better Mixes Since 1923.