

- Labeled for use on golf courses and sod farms only
 Proven effective on thousands of courses and in numerous university trials
 Apply at 60 to 80 lbs. per acre for insect control
- Concentrated 5% granular formulation

RUSADE Granular Insecticide

- For use on all turfgrass areas
- 4 to 6 week residual control
- Apply at 100 to 200 lbs. per acre to control insects
- Distributes evenly through standard rotary spreaders
- Larger particle size makes calibration easier

as ol er acre to control insects standard rotary spreaders calibration easier



Mainstay[™] 2G Joins the Ranks! New formulation to help win the Battle of the Bugs!

Superintendents now have a choice about what to use to control mole crickets, grubs, chinchbugs, and other important turfgrass pests: LESCO Mainstay 2G and Crusade 5G Granular Insecticides. Both provide excellent control of soiland surface-feeding insects. Both have the active ingredient fonofos, a proven performer on thousands of warmseason courses and in numerous university trials. And both come in an easy-to-spread granule formulation that demonstrates superior efficacy from tee to green.



Your Choice

Crusade at 60-80 lbs./acre or Mainstay at 100-200 lbs./acre

Both provide four to six weeks residual control, making them among the most cost-effective insecticides on the market today. Ask your LESCO Sales Representative about your new choice in insect control:

<u>Mainstay 2G</u> or <u>Crusade 5G Granular</u> <u>Insecticides.</u>

Call: (800) 321-5325 (In Cleveland, 333-9250)





Officers

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

Vice President Paul Crawford Palm Beach Country Club P.O. Box 997 Palm Beach, FL 33480 (407) 845-2395

Secretary/Treasurer Scott Bell Bent Pine GC 6001 Clubhouse Drive Vero Beach, FL 32967 (407) 567-9422

> Past President Thomas Benefield, CGCS Ballen1sles CC of JDM 100 Ballen1sles Circle Palm Beach Gardens, FL 33418 (407) 622-0177

Directors

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

Central Florida Joe Ondo, CGCS

Winter Pines Golf Club (407) 671-1651 Everglades Prentiss Knotts, CGCS

Eagle Creek CC (813) 775-0090

North Florida Brigid Braun, CGCS Matanzas Woods GC (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 Jeff Hayden Gainesville G&CC (904) 376-8174

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

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

Treasure Coast Jay Gratton Windsor GC (407) 388-9820

> West Coast Greg Plotner, CGCS Tampa Palms G&CC (813) 972-3375

Staff

Secretary Marie Roberts 1760 NW Pine Lake Dr Stuart, FL 34994 Phone: Days (407) 692-9349 (800) 732-6053 (Florida WATS)



The Florida Green

Official Voice of the Florida Golf Course Superintendents Association

Published four times a year: On the fifteenth of January, April, July, and October

editor/publisher emeritus Dan Jones, CGCS Banyan GC

West Palm Beach

editor Tom Benefield, CGCS Ballenisles CC of JDM

100 BallenIsles Circle Palm Beach Gardens, FL 33418 (407) 625-5737 Address Florida Green business to: P.O. Box 1783 Hobe Sound FL 33455

assistant editor Joel D. Jackson, CGCS

Osprey Ridge G.C. (407) 351-3729 (407) 363-4514 Fax (407) 824-2687 Work

publications chairman Paul Crawford

Palm Beach Country Club P.O. Box 997 Palm Beach, FL 33480 (407) 845-2395

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 four issues. Contact the FGCSA office.

ADVERTISING: For rates and information, contact the FGCSA office at 800-732-6053

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

Contributors to this issue

Cover Photographer: Dan Zelazek

Cover Story Writer: Joel Jackson

Cover Story Photographer: Dan Zelazek

Research Report: Monica Elliott, Marcus Prevatte. Graphics, Philip Pettus.

Hands On: Writer & photographer, Prentiss C. Knotts; contributors:

Hands On Part II: Writer & photographic contributor, Steve McGinnis.

Afterwords contributors: Larry Coffman, Tom Benefield, Joel Jackson.

Design and layout: Philip Pettus, Janlark Communications Inc.

Production

The Florida Green is published with the assistance of Janlark Communications, Inc.

Publication manager Larry Kieffer

Managing editor Philip Pettus



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

Advertiser Index

A. Duda & Sons23	Miles Inc
AFEC Fertilizer & Chem22	Milorganite53
Almar Chemical Co62	
AmerAquatic Inc	Nor-Am Chemical Co Insert
Aquatrols Corp. of America	Nucrane CorpC3
Arbor Tree & Landscape51	Nutri-Turf, Inc35
Central Florida Turf	Partac Peat Corp29
Chemical Containers, Inc	PermaLock Inc63
Dolgar Stake & Shaving 51	Rhone Poulenc4
Delray Stake & Shaving51 DowElanco45	Rhone Poulenc59
DowElanco	Ringer Corp27
E.R. Jahna Industries18	Safety Storage Inc54
	South Florida Grassing10
Floratine Products Group55	Southern Mill Creek Products 25
Florida Silica Sand	Spread-Rite, Inc
	Standard Sand & Silica45
Golf Agronomics Supply23	Subaqueous Services Inc
Golf Ventures	Sunniland Turf Products
	Terra International, Inc62
Harrell's, Inc	Tifton Physical Lab
Haz-Stor	TMI Turf Merchants41
Hoechst-Roussel Agri Vet Co61	Tom Burrows Turfgrass Svc14
Hunter Industries15	Toro Dealers of Florida Insert
Lebanon Chemical Co48	Valent USA13
Lesco, Inc 1	Vigoro Industries7
Lesco, IncC2	Woodbury Chemical Co
Lesco, IncC4	
Liquid Ag Systems, Inc	Zeneca9
Lofts Seed, Inc21	ZenecaInsert

Welcome!

The Florida Green welcomes the following new advertisers

DowElanco45	PermaLock Inc63
Floratine Products Group55	Safety Storage Inc54
Haz-Stor	Subaqueous Services Inc
Partac Peat Corp29	Zeneca9, Insert

To place an ad or to receive advertising information, phone (407) 692-9349 (daytime) or (800) 732-6053 (Florida WATS)



PYTHIUM. YOU CAN'T HEAR IT. YOU CAN'T SE

There's one sure way to turn your tournamentcondition tees, greens and fairways into so many acres of rough: ignore Pythium blight. Because, as sure as the sun sets in the west, Pythium will strike. Unless you've protected your turf with the best Pythium prevention on the course

today: CHIPCO* ALIETTE* brand fosetyl Al fungicide. CHIPCO* ALIETTE* doesn't just cover turf, it actually gets inside each blade of grassincluding the roots-to deliver powerful systemic protection other fungicides just can't match. And it stays on the job for up to 21 days with

RHÔNE-POULENC

C1992 Rhone-Poulenc Ag Company, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. For additional information, please



E IT. AND YOU DEFINITELY CAN'T IGNORE IT.

each application. You can even use CHIPCO* ALIETTE* to control Pythium and Phytophthora on your high-value ornamentals. Now, how's that for convenience and flexibility? Remember, as temperature and humidity rise, so does Chip



the likelihood of Pythium tarnishing your hard-earned reputation. This year, strike first with the proven performance of CHIPCO* ALIETTE* brand fungicide.

Available in an easy-handling, Chipco Aliette WDG low-dust formulation.

call: 1-800-334-9745. As with any crop protection chemical, always read and follow instructions on the label.CHIPCO and ALIETTE are registered trademarks of Rhone-Poulenc.

PRESIDENT'S MESSAGE

As I sit down to write this President's message, my staff is out cleaning up the debris from the "killer storm" that ripped across the country March 12-13.

My golf course is a mess and looks as bad

No free rides out there as it did after Hurricane Andrew, whose eye passed 70 miles south of here. We'll be cleaning up all week, but I feel extremely fortunate (again) when others so near suffered so much worse — Dan Jones, our Editor Emeritus from Banyan Golf Club, is only two miles from here and he has over 300 trees down and other serious damage from a tornado spawned by the storm. The thermometer is dropping,

and by tomorrow night we could reach the first freezing temperatures we've had in South Florida in over three years — a fitting finish to a strange and difficult golfing season.

For some superintendents, it may also mark the finish of their employment. Rumors and speculations are circulating about superintendents who may soon lose their jobs because of member unhappiness with course conditions this unusual and unpredictable winter season.

I received a call myself just this morning from the green committee chairman of a nearby club asking for help in finding a new superintendent.

It is unfortunate, unfair and ironic, that we are often the victims of our own professional expertise — our members have come to expect outstanding conditions at all times, believing us capable of circumventing even the powerful force of Mother Nature.

Our jobs have gotten tougher and more demanding year after year, and, other than ourselves, who can we count on to help us meet these challenges and remain among the employed?

The answer? Each other. Your fellow superintendents and other professionals who belong to the various golf and turf-related associations — The Florida GCSA, FTGA, GCSAA, and USGA.

I've thought a lot about our professional associations since the GCSAA convention, and the message the membership was sending to the GCSAA Board and staff. Where would we be without these organizations?

Would we still be wearing overalls, working out of a barn, and jealously guarding our trade secrets for our personal job security? Would golf course maintenance have advanced to the high level it is today, without these professional associations pointing the way, providing education, funding research, and forging bonds of friendship and cooperation that last a lifetime?

It is hard for me to imagine a career in turf management without these associations. It is hard for me to imagine superintendents who fail to see the benefits of belonging to these associations.

The leadership of these organizations may move in directions that many members do not support, as demonstrated by the defeat of the GCSAA bylaw proposals, but this does not negate the overall positive contributions of the association. Neither does it negate the fact that everyone owes something to the profession that sustains him.

As we move forward with our professional association programs we need everyone to get involved. There are no free rides out there. If you're not a member of the FGCSA and FTGA then you should join today. Your support will help our industry to reach new heights and explore new directions for tomorrow's golf courses. Do your duty and call 1-800-732-6053 and 1-800-882-6721.

For more information, the future is in your hands.



Mark Jarrell, CGCS President FGCSA

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



At the mercy of Mother Nature

• The biggest injustice is yet to unfold •

Editorial License



Tom Benefield, CGCS Editor

Anyone who has seen recent newscasts can attest to the horrendous weather which has assaulted our nation. "The Mother of all Storms," as one television station called it, rolled through our state with such fury and devastation that it brought back memories of the wrath of Hurricane Andrew. It will surely be remembered for a long time to come.

I think "the storm of the century" is a fitting end to an already disastrous winter season here in Florida, especially if you were trying to grow turfgrass. It began with the gruesome, depressing days of cloudiness and rain in December which continued into January. This fomented disease and thin turf around all sections of the Sunshine state.

Regardless of what you tried to do, the climatic conditions proved once again that you are at the mercy of Mother Nature. People raised cutting heights, sprayed greens two times per week with fungicide, spiked, top dressed and anything else you can think of to improve on a desperate situation, yet nothing seemed to help.

None of the superintendents I talked to expected to have summer rainstorms, humidity and overcasts skies in the middle of December.

The big problem is that these conditions are perfectly acceptable in the middle of July when all of the golfers are back up north. But when the summer conditions occur while they are down here, and they get exposed to what these conditions do to the turf, then that's a whole different ballgame.

They have come to expect certain conditions during the winter when they are visiting here and any deviation from those conditions is difficult for them to understand.

And from the uproar which was created by mother nature, we find tremendous blame being laid at the feet of the golf course superintendent. Fine, upstanding individuals who just in November were doing a "great" job are now labeled and tagged as benign imbeciles incapable of the simplest tasks. This is an unfair and false accusation but nonetheless accurately reflects the sentiments of members.

The biggest injustice is yet to unfold. This will be the wide dismissal of superintendents this spring. I have no doubt that many of our members will be looking for new employment in a few months. Not because of their incompetence but because of the fickle nature of this business and the "oneupmanship" mentality of the members at the clubs they work for.

At a local superintendents' meeting in March, the talk was all about the weather and the havoc it has created for golf courses. Only two people in the room said they had good greens, all the rest lamented the poor conditions of theirs and the same story was repeated by one after another. The conversation went on for hours with a sharing of ideas and information that might help someone in their situation.

It was heartwarming to experience the camaraderie of the people in the room and I left with a sense of pride to be a member of this association and in better spirits then when I had arrived.

The reason I felt better was I had heard for weeks from my golfers how much better the greens on all of the golf courses around us were. Well, it seems that all of the other superintendents were hearing the same things from their members and that their golf courses were the worst in the area. It seems that the truth of the matter lies somewhere between the two extremes.

From a member's perspective, the notion that "the grass is always greener on the other side of the fence" was a tool they could use to flail away at their superintendent because conditions were not what they "used to be" for this time of year.

REWARD HERBICIDE LIGHTNIC FAST

When weeds take you by storm, strike fast with REWARD[®] herbicide.

In a flash, new REWARD fries tough aquatic weeds — both emersed and submersed. It also blazes through broadleaves and grasses in non-crop areas, including industrial right-of-ways, golf courses and landscaping. And like lightning, REWARD stays around just long enough to take care of the job.

New REWARD herbicide for lightning-fast weed control. For both aquatic *and* non-crop use. Who says lightning never strikes twice?

For more information on REWARD herbicide, call ICI Product Information at 1-800-759-2500.

Always read and follow label directions. REWARD* is a trademark of an ICI Group Company A business unit of ZENECA Inc. © 1993. ZENECA Inc



Professional Products

EWARD

Delivering the Promise

While you're away from work, some of the darndest things can happen.



• They make hasty judgments as to why the program isn't working like it should. • I have thought of this situation in light of how I relate to my children. I find myself having higher expectations of my children and requiring more of them than I do of my nephews.

I have a greater sense of pride and set higher standards for their activity and school work. I think members of our clubs view us in a similar light.

They have intense pride in their local clubs and, like me with my children, they have high expectations of the golf course. When these standards aren't reached, they have a difficult time understanding why, and at times they make hasty judgments as to why the program isn't working like it should.

And this leads us to where we are today. With the exception of the "Storm of the Century," the weather has been getting a little better each day. Who knows — with the right weather conditions and given enough time to get the golf courses back to the conditions desired, some of the superintendents who are "on the bubble" may be able to keep their jobs and their lives in place. Let's hope so.

Until next time, may God bless and keep you safe.

