



WE'RE INTRODUCING IMAGE[®]
FOR A LOT OF REASONS,

Until now, controlling purple nutsedge in turf was a tall order. No matter what you did to eliminate it, the problem kept popping up.

That's why American Cyanamid developed new IMAGE[®] herbicide. It's the first post-emergent product that controls purple

nutsedge in warm-season grasses. Even when temperatures are at seasonal highs.

IMAGE is also effective against other tough-to-stop weeds. That includes wild garlic and wild onion.

What's more, you can use IMAGE herbicide on all warm-season turf species

BUT ONE STANDS OUT.

(except Bahiagrass) and all soil types— with no volatilization. And it's compatible with fertilizer as well as other herbicides for tank mixing.

So ask for new IMAGE. The only herbicide for turf that stands up to purple nutsedge.



Always read and follow label directions carefully.

IMAGE[®]
herbicide



LESCO SELLS IT.

Only new IMAGE[®] herbicide effectively controls purple nutsedge in warm-season grasses. And LESCO sells IMAGE. To order or to learn more about this important new herbicide, call (800) 321-5325. We'll send you a free, fact-filled brochure. Or contact your LESCO sales representative.



Lesco, Inc., 20005 Lake Road, Rocky River, Ohio 44116 (216) 333-9250

The Florida Green

The Official Bulletin of the Florida Golf Course Superintendents Association

Florida Green Phone: Days - (305) 793-2497

Officers and Directors for Florida G.C.S.A.

REED LeFEBVRE **President**

*Plant City Golf & Country Club
3102 Coronet Rd., Plant City, FL 33566 • (813) 752-1524*

TOM BURROWS, C.G.C.S. **Past President**

*Turtle Creek Club
Club Circle Dr., Tequesta, FL 33458 • (305) 746-8911*

RICHARD C. BLAKE, C.G.C.S. **Vice President**

*Quail Ridge Country Club
3715 Golf Road, Boynton Beach, FL 33436 • (305) 737-2889*

JOEL JACKSON **Secretary-Treasurer**

*Lake Buena Vista Club
6780 Tamarind Circle, Orlando FL • (305) 828-3664*



Golf Correcting Water Usage Image



1st Place 1985

DAVID LOTTES **South Florida**
Rolling Hills Golf Resort (305) 475-0400

MARK HENDERSON **Palm Beach**
Mayacoo Lakes Country Club (305) 793-1706

KEVIN DOWNING, C.G.C.S. **Treasure Coast**
Mariner Sands Country Club (305) 283-7500

JOE ONDO **Central Florida**
Winter Pines Golf Club (305) 671-1651

DAVID MOTTE, C.G.C.S. **Everglades**
Wildcat Run Country Club (813) 765-0750

ROBBIE ROBBINS **North Florida**
Gainesville Golf & Country Club (904) 375-3037

WILLIAM SMITH, C.G.C.S. **Gulf Coast**
Killearn Country Club (904) 893-2412

CECIL JOHNSTON **West Coast**
Feather Sound Country Club (813) 576-9353

GARY SMITHER **Sun Coast**
Tournament Players Club at Prestancia (813) 923-3104

DAN JONES, C.G.C.S. **Florida Green Editor**
*Banyan Golf Club
9059 Ranch Rd., West Palm Beach, FL 33411 • (305) 793-0069*

DICK LONG **Printer**
*Printing Services, Inc.
3249 N.W. 38th St., Miami, FL 33142 • (305) 633-2571*

TABLE OF CONTENTS

President's Message	8
North Florida Divots	10
The World of Golf	16
Palm Beach Trade Winds	22
New Labor Law	24
What Pests Cost Floridians — Biological Pest Control Opportunities	26
The Gator Growls	38
Preventive Maintenance — Another Freedom to Enjoy	40
Jupiter Hills: Site of U.S. Amateur Championship	58
New Era of Ag Microbiology	61
Disciplinary System for Golf Course Maintenance Crews	64
Letters to the Editor	68

ABOUT OUR COVER

Jupiter Hills Club is located on the lower east coast of Florida and is the site of the 1987 Amateur Championship. Dick Herr is the golf course manager. See story on page 58.

DANIEL ZELAZEK
Cover Photography

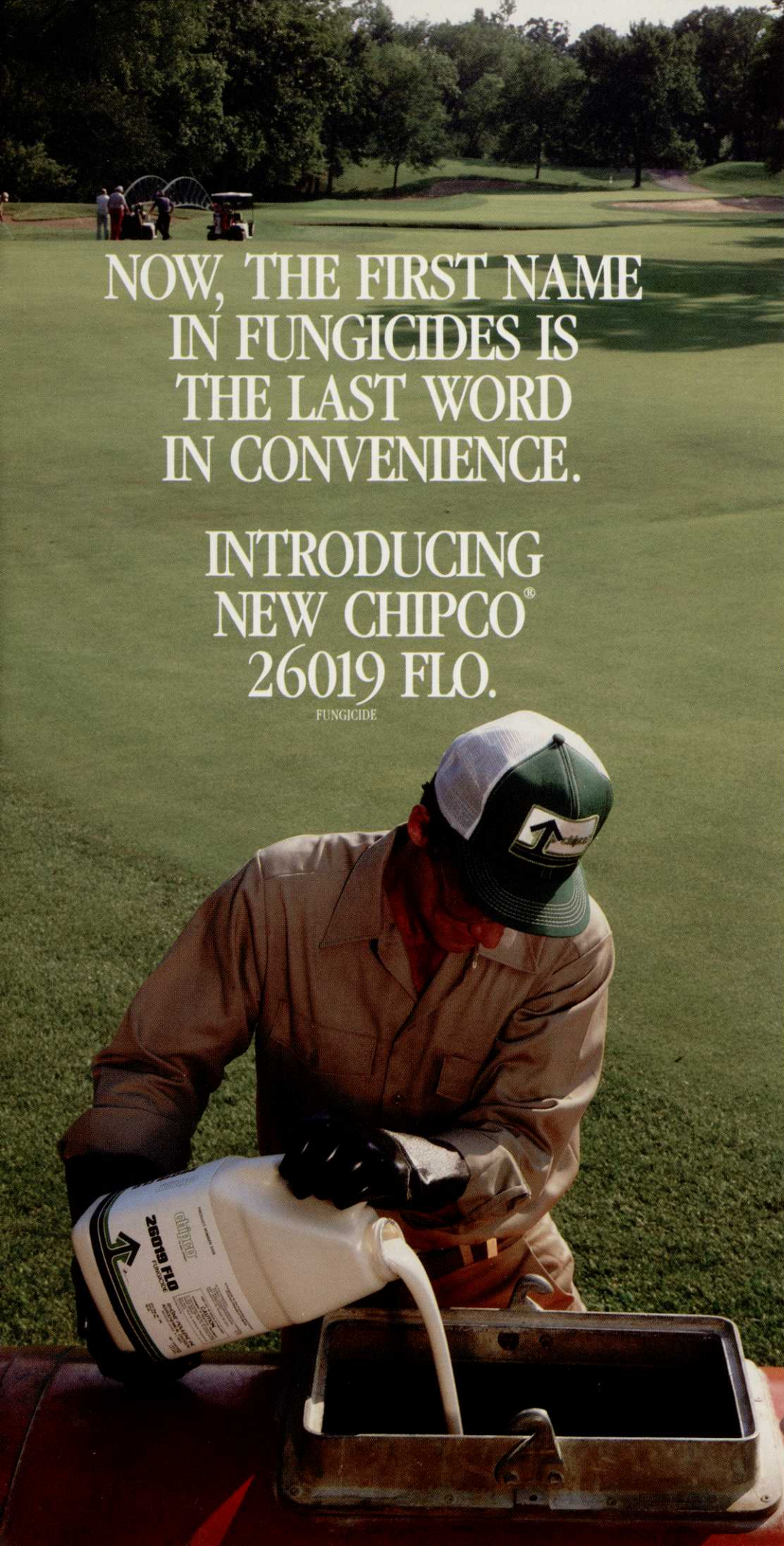
For reprints or other photographic needs, call Daniel at (305) 746-2123.



Florida Green Reporters

South Florida (305) 563-2229	George Jones
Palm Beach (305) 482-1005	Mike Bailey
Treasure Coast (305) 231-6885	Jim Callaghan
Central Florida ... (305) 828-3663	Joel Jackson
North Florida (904) 384-8038	Donald Kooyer, C.G.C.S.
West Coast (813) 867-2111	Charlie Miller
Everglades (813) 768-0892	Norman Carmouche
Sun Coast (813) 792-2943	Jim Svabek
Gulf Coast (904) 932-4222	Charles Brasington

NOTICE: All correspondence concerning business matters, circulation, editorial and advertising should be addressed to the Editor, P.O. Box 5958, Lake Worth, Fla. 33466. Opinions expressed by writers in by-lined editorials are not necessarily those of this publication. "The Florida Green" is published quarterly: January, April, July, October. Closing date for advertising and copy is 45 days prior to publication. Not copyrighted. Please credit the author and "The Florida Green." All advertising and circulation matters should be addressed to Irene Jones, Assistant to the Editor, at the above address or telephone (305) 793-2497.



NOW, THE FIRST NAME
IN FUNGICIDES IS
THE LAST WORD
IN CONVENIENCE.

INTRODUCING
NEW CHIPCO®
26019 FLO.

FUNGICIDE

The easy way to stop major
turf diseases for up to
four full weeks.

Thousands of golf course superintendents have discovered one important fact. You just can't beat Chipco 26019 fungicide for controlling turf diseases.

And now you can get all the advantages of Chipco 26019 wettable powder in a convenient flowable formulation. New Chipco 26019 FLO.

Like the wettable powder, new Chipco 26019 FLO offers unsurpassed protection against major turf diseases, including Helminthosporium Leaf Spot and Melting Out, Dollar Spot, Brown Patch, Fusarium Blight, Red Thread, Fusarium Patch, plus Gray and Pink Snow Molds.

Chipco 26019 FLO also delivers the same long-lasting residual control. In fact, both Chipco 26019 formulations protect your turf for up to 28 days.

With Chipco 26019, you also get the added benefits of convenience, no phytotoxicity, pesticide compatibility, low toxicity and no corrosiveness.

Wettable Powder or new FLO, it's easy to see why Chipco 26019 is the Number 1 name in turf disease control.

Rhone-Poulenc Inc., CHIPCO
Department, P.O. Box 125,
Monmouth Junction, NJ 08852.



CHIPCO®
26019
FUNGICIDE

Please read label carefully and use only as directed. CHIPCO® is a registered trademark of Rhone-Poulenc Inc.

President's Message



There are many demands on our time and money. Getting the most of both takes serious thought and research. We, in the golfing industry, are well aware of the increasing amounts of time and particularly money, that it takes to run a golf course.

A large part of our increasing cost is in the chemicals that we must use to give our members and the golfing public, the beautiful golf courses they want and expect.

Ten years ago we could treat a golf course for nematodes at a cost of from \$25 to \$50 an acre. Today to *try* to get the same control the cost runs up to \$300 an acre. A large portion of our most effective chemicals have been taken off the market, some rightfully so, some not.

The chemicals we have available to us now are not as effective as what we had in the past, and they can cost up to ten times as much.

WHAT ARE THE ANSWERS?

We don't have the answers right now, but we are working hard to find them.

The University of Florida, with what little funding can be scraped up, is working on research to answer some of these questions.

WHAT CAN BE DONE?

The nine chapters of The Florida Golf Course Superintendents Association have raised nearly \$50,000 to go towards this research, that is how important we think it is.

How important do you the club member, or club official think this research is? Do you like the idea of your dues, or your clubs expenses skyrocketing as they have been? We all have to share the burden of this.

WHAT CAN YOU DO?

You can support your superintendent in our efforts to raise funds for *The Florida Turfgrass Research Foundation*. Individual donations are crucial to this research effort, without individual participation in this effort, it will fall flat.

Some of the golf clubs, who would appear to have the most to gain from this research effort, have been the most reluctant to support it.

Money given to *The Florida Turfgrass Research Association* or an endowment fund in the foundation, is tax free.

Consider this. We have to control mole crickets. We spray our course with a product that costs approximately \$7 per pound and we use 1-2 pounds per acre. This product will give us control for 2-3 days depending upon whether it rains or not. We treat 60 acres at a cost of from \$400 to \$800 depending on which rate we use. And the next week we start over again.

With the research we are trying to get done, it is realistic to say that this cost can be cut dramatically.

If each club would donate an amount equal to, or more than, what they spend on ONE SPRAY APPLICATION, it will go a long way towards our research goals. And by doing so it will not only save the clubs money, it will also provide a much safer and desirable way to control insects.

Please take time to seriously consider your commitment to a cleaner environment and support our research efforts.

Look to Chipco for full-course
protection against disease,
insects and weeds.

When it comes to turf care, you look for products from companies you can count on, year in and year out. That's why more golf course superintendents look to Chipco professional turf products than any other brand.

Over the past 30 years, Chipco has developed outstanding turf products such as Chip Cal many superintendents will remember for its outstanding control of poa annua. More recently we introduced Chipco® Ronstar® preemergence herbicide, Chipco 26019 fungicide and Chipco Mocap® nematocide- insecticide.

But we're not standing still. Just last year, we ushered in a new era in pythium prevention with our new Chipco Aliette® fungicide—the first of a new generation of advanced chemistry to carry the Chipco name.

Naturally, products like these are only as good as the company that stands behind them. And nobody offers you more technical support than Chipco with our field force exclusive to turf and ornamentals.

In 1987, Chipco will introduce new formulations of three Chipco products. But we're not stopping. Exciting new products soon to earn the Chipco name are in various stages of development.

So when it's time to order your turf care products, remember Chipco, the company with the ongoing commitment to helping you care for your course.

Rhone-Poulenc Inc., CHIPCO Department,
P.O. Box 125, Monmouth Junction, NJ 08852.



CHIPCO®

Please read labels carefully and use only as directed.
Chipco Mocap 5G is not yet available for sale.

CHIPCO® RONSTAR® MOCAP® and ALIETTE® are registered trademarks of Rhone-Poulenc Inc.

DIVOTS

By Donald E. Kooyer, C.G.C.S.
Willow Lakes Golf Club



GCSAA Leader in Education

A certified Golf Course Superintendent has many responsibilities that have to be filled. It is one of those responsibilities that I would like to bring to light in this article.

Today's mail, as usual, consisted of invoices and purchase orders which have to be signed and sent up to Carol, our office manager. She needs these as soon as possible in order to keep my budget in line. I hope that all superintendents let their office personnel know how much they appreciate their help in this important area of golf course management.

But...getting back to my mail...near the end of the stack there is a letter from our Golf Course Superintendent's Association of America's headquarters in Lawrence, Kansas. It reads, "Dear Mr. Kooyer, we are writing in regards to a request from Mr. Robbie Robbins, the superintendent at Gainesville Golf and Country Club. We would appreciate it if you could find the time to make a visitation to Mr. Robbins golf club. There will be another superintendent accompanying you from your area."

I was so intrigued by this letter of invitation from my peers and from the GCSAA that the ringing of my desk phone was ignored until I did not think anyone would be on the other end by the time I picked up the receiver. I finally answered, "Good morning, Willow Lakes Maintenance, may I help you?"

"Don, this is Tom Prescott from Timaquana Country Club. Have you received a letter from our national golf course superintendent's association?"

"Yes, but I am only about halfway through reading it, have you read your letter yet?"

"Yes, and it asks if we can set a time to go over to Robbie's club for a certification visit. Can you make it?"

"I am sure I can, Tom. I will call Robbie and let him know that we can come over and I will call you right back Tom; I think we should go over as soon as possible, don't you? I think we should schedule this visit for Robbie right away."

"Tuesday is a good day for me here at Timaquana. How about you?"

"Tuesday would be fine as far as I am concerned. I will check my calendar and let you know for sure when I call you back. Talk to you later, Tom, and thanks for calling."

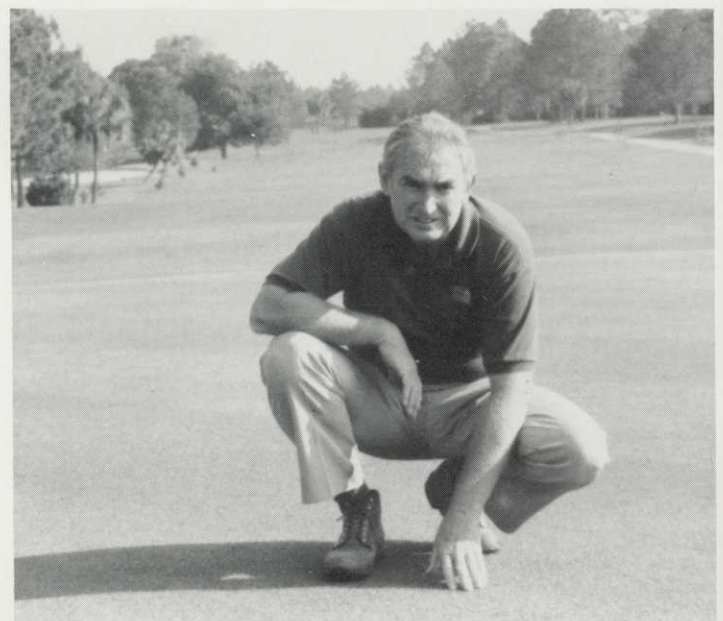
After hanging up I think to myself, it certainly feels good to be involved in helping another professional in my field. I finish reading the GCSAA letter and realize how good it feels to have the opportunity afforded to me to conduct the visitation portion of the certification program. As I start wondering how to start the visitation, the ever present phone rings again. I catch it on the first ring this time, "Willow Lakes Golf Club, may I help you?"

"Don, this is Chris, How are things on the course this morning?"

"Pretty good, Chris. Had a little vandalism last night, the men are taking care of it. Can I help you?"

"We are having a shotgun start this weekend at about 7:15 am. I thought I had better let you know."

(continued on page 12)



Not only root development, but a true putting surface is one of Robbie's concerns. Robbie told me years ago, "Don, maintain excellent greens."