# CHOOSE YOUR WEAR ON!

- 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
- CRUSADIE 563 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





# 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:

Mainstay 2G Crusade 5G Granular Insecticides.

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

Mainstay 2G insecticide



### Officers

President Paul Crawford

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

Vice President Scott Bell, CGCS

Bent Pine GC 6001 Clubhouse Drive Vero Beach, FL 32967 (407) 567-9422

Secretary/Treasurer Greg Plotner, CGCS

Tampa Palms G&CC 5811 Tampa Palms Blvd, Tampa, FL 33647 (813) 972-3375

Past President Mark Jarrell, CGCS

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

#### Directors

Big Bend Mike Osley

Hilaman Park Municpal GC (904) 891-3936

Central Florida Joe Ondo, CGCS

Winter Pines Golf Club (407) 671-1651

Everglades Mike Mongoven

Fort Myers CC

(813) 278-7261

North Florida Brigid Braun, CGCS

Matanzas Woods GC (904) 446-6332

Palm Beach Chip Fowkes

Emerald Dunes GC (407) 684-4653

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 Jim Miller Waterford CC

(813) 485-6568

Treasure Coast Jay Gratton

Windsor GC (407) 388-9820

West Coast Chip Lewison

Dunedin CC (813) 733-1202

### Staff

Secretary Marie Roberts

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

# CONTENTS



SPRING 1994

AUDUBON PROGRAM PUBLIC INVOLVEMENT IS TOUGH CATEGORY .... 12 In the first of a seven-part series to help superintendents participating in the Audubon Cooperative Sanctuary Program for golf courses, "public involvement" is de-mystified. Shelley Foy, of the USGA Green Section's Florida Office, will coordinate the series.

**TECH REPORT: UST BLUES** THEY DIDN'T TEACH THIS IN TURF SCHOOL! 48 Scott Bell reports that one way *not* to have fun is to remediate a site contaminated by a leaking underground storage tank.

Ed Mattson, who began working on a golf course at age 9, has been honored for 78 years of contributions to the game by the North Florida GCSA. Hugh Bebout, the FGCSA's 'Papa Bear' is the final 1993 President's Award winner to be profiled. Tom Benefield recalls the 1994 GCSAA Show in words and photos.

# 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

PO Box 1783 Hobe Sound, FL 33455 (407) 546-8033

assistant editor Joel D. Jackson, CGCS

Osprey Ridge G.C. Address Florida Green business to: 6780 Tamarind Circle, Orlando, FL 32819 (407) 351-3729

(407) 824-2687 Work

business manager Paul Crawford
Palm Beach Country Club

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

publications chairman Scott Bell, CGCS

Bent Pine GC 6001 Clubhouse Drive Vero Beach, FL 32967 (407) 567-9422

COPYRIGHT NOTICE: Copyright 1994, Florida Golf Course Superintendents Association. All rights reserved. May not be reproduced in whole or in part without written permission of the FGCSA. 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, CGCS

ACSP: Shelley Foy, Peter Leuzinger, Jean Mackay

Transition Package: Coordinator and photographer, Tom Benefield, CGCS; Greg Plotner, CGCS; Lou Conzelman, CGCS; Troy Smith; Tom Alex; Steve Wright, CGCS; Tom Cowan, CGCS; Joel Jackson, CGCS; Marshall Edgren, CGCS.

Underground Storage Tanks: Scott Bell.

Research Report: Monica Elliott, Ph.D.; Marcus Prevatte

Presidents' Awards: Joel Jackson, CGCS

GCSAA Show: Tom Benefield, CGCS

Columnists: Scott Wahlin, CGCS; Mark Jarrell, CGCS; Joel Jackson, CGCS

File Photos: Janlark Communications, Inc.

## Production

The Florida Green is published with the assistance of Janlark Communications, Inc. Publication Manager ...... Larry Kieffer Associate Editor ...... Ken Cooke Separations ....... Positive Images, Bartow Printer ........ Rinaldi Printing Co., Tampa

JANLARK COMMUNICATIONS, INC.

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

# **Advertiser Index**

A. Duda & Sons 79	Nucrane Corp
AgrEvo69	Nutri-Turf, Inc
AgriGro 55	
Agro-Tech 2000 66	Otterbine-Barebo Inc 34
Almar Chemical Co 85	Otterbine-Barebo Inc 54
AmerAquatic Inc	D . D . C
Aquatrols Corp 59	Partac Peat Corp 67
Arbor Care 67	Precision Laboratories 85
Arbor Tree & Landscape 9	Precision Laboratories 77
Atlantic FEC Fertilizer 15	
Addition 150 refunder 15	Rhone Poulenc 49
Paymton Pump 60	Rohm And Haas Co 4
Boynton Pump 69	Roots, Inc
0 1 01 1 1 27	RSI Holdings Insert
Cedar Chemical	
Central Florida Turf 29	Safety Storage Inc 63
Chemical Containers, Inc 9	South Florida Grassing 29
	South Florida Turf Prod 85
DowElanco 43	Southern Corp. Prom 35
DuCor International 30	Specialty Tree Surgeons 79
	Spread-Rite, Inc
E.R. Jahna Industries 15	Standard Sand & Silica 9
Env. Waterway Mgt 33	
	Subaqueous Services Inc., 44
Florida Silica Sand 22	Sullivan Electric & Pump. 59
	Sunniland Turf Products . 77
Golf Agronomics Supply . 33	
Golf Ventures 81	Terra International, Inc 34
	Tifton Physical Lab 26
Harrell's, Inc11	TMI Turf Merchants 73
Haverland Blackrock 75	Tom Burrows Turf Svc 79
Hendrix & Dail 47	Toro Dealers Of Fla Insert
Hoechst-Roussel 39	
Hunter Industries 31	United Hort. Supply 17
	المسادر وتسجيع بندر كبارا
ISK Biotech Corp 87	Valent USA 65
correction corp minimin or	Van Waters & Rogers 27
Lesco, Inc	Vigoro Industries 61
Liquid Ag Systems, Inc 23	15010 madotiles 01
	Zeneca Insert, 57, 7
Lofts Seed, Inc 51	Zeneca insert, 5/, /

You didn't read it in the sports section. But Fore fungicide recently wowed course superintendents in 17 states.

Put to the test, Fore showed it was one of the hardest-hitting broad-spectrum fungicides in commercial turf care today. And probably the most economical.

## Beats more diseases for the money.

On tees, greens, and fairways, Fore proved it was more than a match for 14 major diseases. Including such well known names as Brown patch, Dollar spot, and Helminthosporium melting-out.

And as superintendents in 17 states discovered, a treatment of Fore costs far less than the leading competitive fungicides.

# No resistance after 25 years.

A multi-site enzyme inhibitor, Fore has been defeating turf diseases for over 25 years. And in all that time, not one of those diseases has mustered even the least resistance.

#### Holler Fore! Even for Pythium.

Spray a reduced rate mixture of Fore and Subdue (or Banol) – and you can also gain improved control of Pythium blight.

So if you're looking for a proven broad-spectrum fungicide to strengthen your program this year – holler Fore! And duck some of the high cost of turf care at the same time.



<sup>\*</sup>For information on trials and warranty, write: Rohm and Haas, c/o Bob Gordon, Independence Mall West, Philadelphia, PA 19105
\*\*Limited warranty: Fore fungicide is guaranteed to control labeled turf diseases or your purchase price will be refunded.

Carefully monitored trials\* in these 17 states showed Fore controlled 14 major turf diseases.

NE KS IN OK MO NC NOW **AVAILABLE** IN WET FLOWABLE TURF & ORNAMENTAL FUNGICIDE GUARANTEED TO TEE OFF ON MAJOR TURF DISEASES OR YOUR MONEY BACK\*\*

Read and follow all label directions. Fore is a registered trademark of Rohm and Haas Company. Subdue is a registered trademark of Ciba Geigy, Banol is a registered trademark of Nor-Am.

©1992 Rohm and Haas Company.

received a lot of comments on my last column in the *Florida Green*. I must say, it was great to hear from you.

Many were concerned how others would interpret my comments.

Keeping the 'big picture' in focus

Let me ask you something: If you were in charge of hiring the superintendent at a club, how many do you think you would seriously consider out of those 75 applicants for the job?

I was involved in the hiring process at a club and narrowed the choices down to eight candidates for the

board to consider.

Ironically, only a small percentage of the criteria for selection involved the candidate's ability to grow grass.

I tell many people that "growing grass is the easiest part of my job." I will not go through the litany — we have all seen the list of duties we must perform.

I think the one duty that we often overlook is the ability to communicate with our members and with the board. As a friend says, "We are in the people

business."

If you cannot effectively communicate with your members and your greens chairman, you will be in that long line of 75 candidates seeking to fill one vacancy.

Have you ever had a friend leave his job and go to another club where you think he has found the perfect fit? Why do we say the "fit" is perfect?

Is it because of his ability to grow grass or is it his ability to straighten out the members and re-educate them?

Is this ability to communicate innate, or is it something we learn as we go

along... or is it both?

I know of a superintendent who went into a club that nobody wanted to work for because the club never put money back into the golf course, didn't pay decent salaries and generally had all the other qualities that turn professional superintendents off.

Two years later, the club is spending all kinds of money to fix up the course, is paying the superintendent an attractive salary. The job is one of the best in town.

Did this just happen? How many of those 75 candidates are staying current with all the latest environmental information? How many are taking seminars and keeping themselves on top of the latest science and technology in agronomy? How many have taken courses in personnel management or budgeting and fiscal management?

If you were to lay out an educational program for superintendents, do you think we should start emphasizing communication more?

Some of you complained that my last column did not offer any solutions to the problems I raised. I realize that defining the problem is only the first step but it *is* the first step. At least we are thinking and talking about the issues.

If you are talking about our problems among yourselves, *communicating* your ideas to the board through your external vice president, together we will come up with much better solutions than I could have dreamed up by myself.

Nobody anointed me with special wisdom when you elected me to this office; but you did give me a special vantage point that brings the "big picture" more sharply into focus.

And from where I stand, growing grass is the easiest part of my job... and yours.



Caul Crawford

Paul Crawford President, FGCSA



# WE'RE DEVELOPING A GREAT LINE OF PRODUCTS.

CAPTAN Turf and Ornamental Fungicide Proven control of more than 15 major plant diseases in a variety of fruit, turf and ornamentals.

CRUSADE® 5G Insecticide Superior efficacy against a broad spectrum of economically draining pests on golf course and sod farm turf.

DEVRINOL® Ornamental Herbicide Dependable, season-long control of grass and broadleaf weeds in newly planted and established turf and ornamentals.

*EPTAM® Herbicide* Preemerge control of problem grass and broadleaf weeds in flowers and ornamentals.

 $FUSILADE^*$  Turf and Ornamental Herbicide Fastacting, postemergence control of perennial and annual grasses in ornamentals, nurseries, and landscaping.

REWARD® Aquatic and Non-Crop Herbicide Non-selective, highly active weed control in aquatic and non-crop areas.

SCIMITAR® Insecticide Fast insect control at low rates in turf and ornamentals.

**ZENECA** Professional Products

Delivering the Promise

erhaps one of the most relished times of the year for GCSAA members is the GCSAA Show & Conference.

It's a time to learn the newest and best

A change
for all seasons
— the right
reasons

turf information and to network with many friends... a time to recharge the batteries, so to speak, and take back to their clubs fresh ideas to old problems.

The GCSAA puts on a truly progressive conference which sets new attendance levels each year.

An aspect of the annual

event is the GCSAA Golf Tournament.

From around the world aspiring golf enthusiasts spend good money to participate and showcase their golfing expertise. It is a well-attended and well-run event which offers not only golf but also a social program and atmosphere that is appealing to the golfing superintendent.

As my friend Ned said, however, "If what you say is true, why are so many of our members wanting a change?"

You see Ned and I go way back and he is the type of person to tell you what's really on his mind. And after you take into account that Ned has played in the last 10 GCSAA tournaments with varying degrees of success, you have to lend some credence to what he's got to say.

"So what's wrong with the tournament?" I ask Ned.

In his deep, Georgian drawl he answered, "It's at the wrong time of the

year. It should be held in the summer or early fall."

He went on to explain his reasoning. The winter time is a very "iffy" proposition for having decent weather. The conditions, weatherwise, are normally fairly miserable... especially this year in Dallas.

"I mean, why do we have to play the tournament at the worst time of the year?" He asked. "We have great golf courses all over the country which we can play most any time of the year other than winter. We are unfairly limiting our course selections because of the way we do our planning and scheduling."

"Whoa there partner," I said to Ned.
"I'll grant you that it is held at the wrong time of the year as far as weather is concerned. Is there anything else?" I asked.

"Yes, as a matter of fact, there is." he replied.

"As far as selecting the best golfer of our association, we also have missed the boat," he continued, offering a lengthy dissertation on the reality of golfing and practicing golf during the months preceding the tournament.

"None of this time period is a period when a superintendent can practice and hone his skills to his best level for competition. Only during the summer and fall months are superintendents actually playing decent golf."

By this time Ned was really starting to open up.

"However, I think the entire tournament format should be changed," he said.

"Well pray tell, Ned, what should we change it to?" I asked.

## **Editorial License**



Tom Benefield, CGCS Editor



# ARBOR TREE & LANDSCAPE

Co., Inc.

What to look for in a tree company

- 15 years working on golf courses
- Certified Arborist staff
- The same faces, year after year
- Million dollars in truck and equipment
- Able to work around rain days
- Talk to a person not a machine
- Right tool for the right job

Service • Communication • Care
WPF 407-965-2198 So FL 1-800-932-7267



# WEED/SWEEP KIIIS Weeds without spraying ...

The new Weed/Sweep is a must for every golf course. You achieve precision control of weeds by using new dripless chemical wiping technology. The system can be easily mounted on an ATV or pulled behind a golf cart or small tractor. **FREE** brochure by mail or ask for a demo at your course. Don't put it off – Call today.

- No bulky water tanks needed
- Precision placement on unwanted growth – no overspray
- Comes complete with pump, feed lines, filters
- Lightweight aluminum frame and mounting brackets

CHEMICAL CONTAINERS, INC.

800-346-7867

PO. BOX 1307 Lake Wales, FL 33859 • (813) 638-1407 • Fax (813) 638-8132

# GO AHEAD! Take Your Best Shot.

We've been setting the standards for Commercial and Industrial sand for 47 years. Choose from 80 different grades including the finest:

- Greens Mix Sand White Trap Sand
  - Choker Sand
  - Dry, Sterilized Top Dressing Sand
    - USGA Peagravel

All our sands meet USGA Requirements



For the best product and customer service, call one of our three Florida locations today.

Post Office Box 35 Hwy. 17 & 92 North Davenport, FL 33837 Phone (813) 422-1171 FAX (813) 422-8610 JACKSONVILLE BRANCH 600 East 8th Street Jacksonville, FI 32206 (904) 355-0516 FAX (904) 355-2022 MIAMI BRANCH 4101 N.W. 70th Avenue Miami, FL 33166 Dade (305) 593-1430 Broward (305) 524-5322 This was just what Ned had been waiting on as he charged straight ahead with his new ideas on the tournament format.

The heart of his proposal is to run competitions around the country in chapter or local events. The next step was to take local winners — both teams and individuals—to regional events for qualifying to the nationals. The regionals would send (x) number of teams as well as (x) number of individual players based on a percentage of the number of total participants.

"The beauty of this format also," says Ned, "is that it does not present a major financial burden to individual members as does the tournament we play now. The people who do not move up to the next level of competition will have participated in their GCSAA-sponsored tournament without having incurred a huge expense.

"This would stimulate more involvement by the members: too many people are shut out of the process the way is presently stands."

I thought to myself a minute.

"Hmmm, ole Ned might be on to something here. What he says sure makes a lot sense."

I can remember wanting to participate every year myself, but due to time and financial constraints, I have been able to do so only twice. The format and schedule Ned is talking about would definitely allow people like myself to be a part of this event.

The complement of courses available for the tournament, from the first round to the championship, would be tenfold the number now used... or more. The format and qualifying rounds would bring out the best in our member golfers. By the time of the championship, we would have participants who exemplify the best golfers our profession has available: the cream will have been allowed to rise to the top.

The local and regional tournaments could also double as excellent public relations events by generating funds for local charities, addressing local needs and helping the communities. The possibility of success for this type of tournament is tremendous.

From speaking with Ned and other members of the GCSAA — both local and in other states — I know support is out there for this type of event... an event that can spank some life and excitement into an otherwise dismal affair.

Too many of the rank and file feel shut out of this the premier golfing event of their organization. Many of the participants in this event are looking for something different, something progressive and innovative.

Many say it is time for new blood on the tournament committee with fresh ideas. Many say it is time for a "can-do" attitude from the board, tournament committee and, most of all, staff to find a way to do the things the membership wants.

The time has come for a change.

Let's hope the GCSAA officers and directors can understand the need, the desires of their members and the potential for success on several fronts. For it is only through this type of foresight that the association can progress on all fronts.

Until next "May God Bless one and all".

# Paul Harvey report draws strong response

#### Reporter Paul Harvey:

Two years ago you and I talked about the pesticides which were poisoning so many birds that our golf courses faced a silent spring.

I received some indignant responses from greenskeepers and their association and from pesticide manufacturers. They were adamant in their insistence that the stuff they were spraying on fairways and greens were not toxic.

It was and it still is!

Today the Golf Course Superintendent's Association of America is holding its annual meeting in Dallas. And a study commissioned by that organization of superintendents is reporting that not only are golf course pesticides killing the birds, but they're killing golf course superintendents also.

Golf course superintendents have a higher incidence of cancer.

The association has to know that this is going to open the door to lawsuits by

golf course workers against their employers for exposing themselves to cancer causing chemicals. A statistical mortality study found among golf course superintendents: more lung cancer, more brain cancer, more cancers of the large intestine and the prostate, especially however, lung cancer.

Doctor Burton Kross, University of Iowa, one of the researchers on this project, recommends further studies and recommends, meanwhile, that golf course workers minimize, however possible, their exposure to pesticides.

There's a moral here which demands to be underscored, "We and the beautiful wild things live in harmony together or we perish together."

> Lord, Sullivan & Yoder Radio News Transcript Columbus, Ohio WTVN 610 AM 2/9/94 11:30 a.m.

February 10, 1994

Mr. Paul Harvey 333 North Michigan Avenue Chicago, Illinois 60601

#### Dear Mr. Harvey:

Last evening I received a telephone call from my brother-in-law, a farmer in western Iowa. He heard your radio report this week describing our mortality study of golf course superintendents. He asked me how did our study determine that pesticides were killing birds and humans on golf courses. I knew something was wrong, so I obtained a transcript of your commentary.

Your commentary is inaccurate and misleading with respect to our study. Our study did not collect any data about pesticides and birds. Moreover, as clearly stated in our press release (copy

Continued on Page 79