

A fertilizer should be as unique as the golf course it nurtures. That's why



LESCO manufactures a complete line of top-quality sulfur-coated fertilizers in three distinct

particle sizes. Elite. Mini. Standard.

LESCO Mini-Particle Fertilizer

Formulated for use on turf maintained at one-half inch or higher, the LESCO mini fertilizers provide three times as many particles per given area as the standard LESCO products. The mini particle size offers a uniform distribution pattern that provides even feeding and consistent greening.



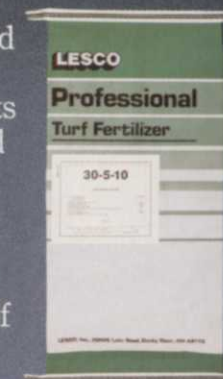
LESCO Elite Fertilizer

Providing 11 times more particles per given area than standard LESCO fertilizers, the Elite products are formulated for use on turf maintained at a height of less than one-half inch. To enhance plant response and provide a more complete and balanced fertilization, iron and manganese are bonded to every sulfur-coated particle. Both the primary and the micronutrients are uniformly distributed to the plant because every sulfur-coated particle also contains iron and manganese. And with LESCO Elite fertilizers, the chance of mower pickup is virtually eliminated.



LESCO Standard-Particle Fertilizer

Best suited for use on turf mowed above one inch, the LESCO line of standard products offers all the efficiencies and benefits of quality sulfur-coated fertilizers. Controlled nutrient release for up to 90 days provides consistent feeding and steady greening. Use of LESCO sulfur-coated fertilizers reduces the risk of burn and decreases the loss of nitrogen through leaching and volatilization.



Not all fertilizers are created equal. Choose the particle size that's right for your course and talk to your LESCO sales representative about the wide variety of analyses available for quick shipment and forklift delivery from our Sebring, Florida production facility. And ask, too, about the new greens-grade soil amendments and fertilizer/control product combinations.



LESCO has a fertilizer for your Florida golf course. Contact your sales representative or call (800) 825-3726 today.



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

**Not all
fertilizers
are created
equal.**

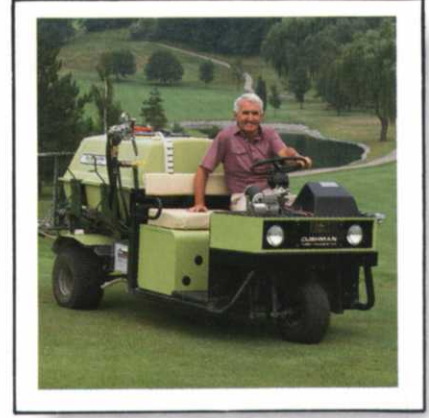




**Gregg Grenert and the
Cushman Custom Applicator™**
Samoset Golf Resort
Camden, Maine



**Gary Dalton and the
Cushman Quick Aerator**
San Diego Country Club
San Diego, California



**Jim Wyllie, CGCS, and the
Cushman Broyhill Sprayer**
Bayview Golf & Country Club Ltd.
Thornhill, Ontario



**Joe Hahn, CGCS, and the
Vicon Spreader**
Oak Hill Country Club
Rochester, New York



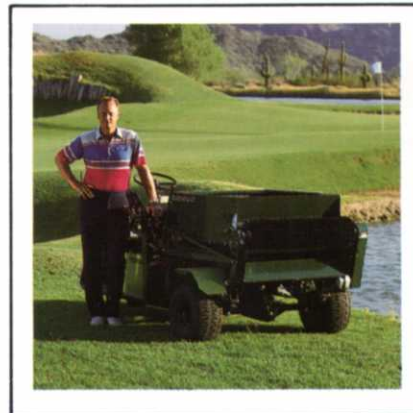
**Dean Baker and the
Cushman Core Harvester™**
Glen Abbey Golf Club
Oakville, Ontario



**Charles Gardner, CGCS, and the
Cushman Carrier Set**
Oyster Harbors Golf Club
Osterville, Massachusetts



**Doug Petersan and the
Cushman Dump Bed**
Prairie Dunes Country Club
Hutchinson, Kansas



**Prentis Knotts and the
Cushman Top Dresser**
Red Mountain Ranch Country Club
Mesa, Arizona



**Coming Soon. Cushman GA60
Large Area Aerator**
The first in a new generation of
5th wheel accessories.

We've developed some strong attachments for the Cushman® Turf-Truckster.™

And so will you.

No wonder golf course superintendents have grown attached to their Cushman Turf-Trucksters. Nothing even comes close to fulfilling as many functions with such beautiful results. It's state-of-the-art turf maintenance machinery in a class by itself.

A superior system.

More than a dozen attachments and implements can be interchanged with a minimum amount of sweat, turning a Turf-Truckster into an entire fleet of turf maintenance vehicles. You can spray, aerate fence-to-fence, pick up cores, haul, dump, fertilize, spread, seed and top dress. And you can do them all with greater precision because of our unique ground speed governor control.

With the addition of our exclusive 540 PTO option with heavy-duty hitch, you can also turn your Turf-Truckster into a



rotary cutter, flail cutter, shredder, grinder, sweeper/collector, roller, or fine-cut reel mower. Dollar for dollar, function for function, nothing is as versatile or economical over more years of heavy use.

Now with 3 engine options.

In addition to the time-tested Cushman 222 air-cooled engine,

the Turf-Truckster is also

available in liquid-cooled gas and diesel engines. The Cushman 327 gas and Kubota 950 diesel models now provide a range of options to fill all of your specific needs.

The Cushman Turf-Truckster is simply your best turf maintenance vehicle investment. Ask a superintendent who owns one. Better yet, call the Cushman dealer nearest you for a free demonstration, or call toll free 1-800-228-4444 for more information today.

CUSHMAN®

BUILT TO LAST

You're on a mission that could decide the fate of your golf course. A mission against your toughest weeds: goosegrass, crabgrass, sandbur and many other broadleaf weeds.

That's why you need a pre-emergence herbicide as powerful as Surflan. It puts an end to weeds before they start.

It's a challenge a lot of other herbicides run away from. But not Surflan. It stays put and waits. Three weeks if need be, without water. Then it won't wash out, even in heavy

rainfall. And once activated, it forms a solid control zone that lasts up to 20 weeks.

So be in control this year. Take Surflan to the far reaches of your golf course and end the threat of problem weeds. See your Elanco distributor. Or call toll-free: **1-800-352-6776**.

Elanco Products Company
A Division of Eli Lilly and Company
Lilly Corporate Center
Dept. E-455, Indianapolis, IN 46285, U.S.A.
Surflan® — (oryzalin, Elanco)



Surflan®
Its 20-week mission:
seek out problem weeds
and prevent their germination.

**The Central Florida Chapter
of the
Golf Course Superintendents
Association thanks all our sponsors
for a successful event.
It could never be possible without
your very loyal support.**

Diamond Sponsors

Ag Resources/Ciba Geigy
AmerAquatic, Inc.
Andy's Plant Aids, Inc.
Aquatic Systems, Inc.
Ball-Zell Sales
Bay Hill Club
Boynton Pump and Irrigation Supply
Carter Burlingham
Central Florida Turf, Inc.
Club Car
Daytona International Speedway
DeBra Turf
Dow-Elanco
Florida Environmental Consultants
Florida Irrigation Supply
Florida Turfgrass Association
Florida Waterway Management, Inc.
Fore Golf, Inc.
Gold Tee Construction
Golf Ventures, Inc.
Harrell's Inc.
Industries, Inc.
Kaiser/Estech

Kissimmee Electro, Inc.
Lesco, Inc.
Lewis Equipment, Inc.
Liquid Ag, Inc.
Lykes Agri Sales, Inc.
Lyle, Inc.
Mobay Corporation
Neff Machinery, Inc.
Nematode Controllers, Inc.
North Florida P.G.A.
Northrup King Medalist Turf
Nutri-Turf, Inc.
Palmer Course Design
Pennington Seeds, Inc.
Rain Bird Golf
Reliable Peat, Inc.
Rhone-Poulenc Ag. Co.
South Florida Turf Products
Southern Screen and Embroidery
Shern Turf Nurseries
Sunbelt Seeds, Inc.
Sunniland Corporation
Terra International
TNT Golf Cars

Tresca Industries
Turf Merchants, Inc.
Van, Waters and Rogers Inc.
Walt Disney World
Wesco Turf
Wheeler Fertilizer

Gold Sponsors

Alaqua Country Club
BASF
Buckner, Inc.
Douglas Fertilizer and Chemicals Inc.
DuCor Chemicals
Fore-Par Inc.
Gator Pumping Modules
Hector Turf
Home and Commercial Irrigation
Howard Fertilizer
PGA Tour
O.M. Scott and Sons
Trail Saw and Mower
Valent U.S.A. Corporation



Officers

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

Vice President Thomas Benefield, CGCS
Ballen Isles CC of JDM
10600 Ave of PGA
Palm Beach Gardens, FL 33418
(407) 622-0177

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

Past President Joel Jackson, CGCS
Isleworth Country Club
Address FGCSA business to:
6780 Tamarind Circle
Orlando, FL 32819
(407) 363-4514

Directors

Ridge Buck Buckner
Orange Tree Golf Club
(407) 352-0330

Everglades Lou Conzelmann, CGCS
Fiddlesticks
(813) 768-2332

West Coast Frank Cook
Bardmoor Country Club
(813) 392-1234

Palm Beach Paul Crawford
Palm Beach Country Club
(407) 845-2395

Big Bend Robert Giehis
Killearn G&CC
(904) 893-2412

South Florida Bill Jeffrey, CGCS
Indian Creek Country Club
(305) 866-7224

Sun Coast Larry Livingston, CGCS
Gator Creek Golf Club
(813) 922-0833

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

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

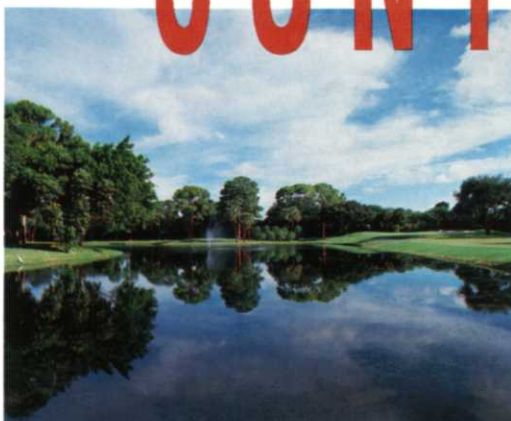
North Florida Eddie Sripes, CGCS
Oak Bridge Club at Sawgrass
(904) 285-5552

Staff

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

CONTENTS

FALL 1990



NEWS ROUNDUP INAUGURAL FLORIDA GOLF SUMMIT SET 13

The Florida Golf Council, a newly formed trade association, has called for a three-day meeting in Orlando Oct. 11-13 to discuss industry/government relations.

COVER STORY HE GETS THE JOB DONE 20

After only four years in Florida, Ray Hansen is president of the largest statewide superintendent association in the country.

FGCSA SPOTLIGHT AWARDS AND ELECTIONS 22

Kevin Downing received the Distinguished Service Award and four of the five inaugural recipients of the President's Award for Lifetime Achievement attended the Crowfoot banquet to pick up their hardware.

RESEARCH RESEARCH FOR THE 90s 30

Golf course superintendents are going to have to turn corners of their golf courses into laboratories if they want to get the data they need.

ARCHITECTS, ETC. GET THE DETAILS RIGHT 36

Jan Beljan has parlayed a GCSAA college scholarship and experience as an assistant superintendent into a top job with one of the world's foremost golf architects.

SUPPLY SIDE GOOD IDEA ISN'T ENOUGH 44

Going into business for yourself is a lot tougher than you might think... even if you have the right product at the right time.

AFTERWORDS ENFORCE THE CODE 54

The Code of Ethics must be clear and unambiguous... and enforced, says Mark Jarrell, FGCSA secretary/treasurer.

GREEN SIDE UP COOPERATIVE STUDY A BIG STEP 56

Now that he has turned over the President's Message to his successor, Editor Joel Jackson begins his regular column.

The Florida Green

Official Voice of the Florida Golf Course Superintendents Association
Published six times a year beginning in 1991: On the 15th of January,
March, May, July, September and November.

editor Joel D. Jackson, CGCS
Isleworth CC, Windermere
Address Florida Green business to:
6780 Tamarind Circle, Orlando, FL 32819
(407) 363-4514

**publications chairman/
assistant editor** Tom Benefield, CGCS
Ballen Isles CC of JDM
10600 Ave of PGA
Palm Beach Gardens, FL 33418
(407) 622-0177

Janlark Communications

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

publisher/executive editor Larry Kieffer
copy editor Janetta Kieffer
architecture editor Brad Klein
research editor Darcy Meeker
editorial consultant Dan Jones, CGCS

Resources

photography Brian Everhart
536 Ave. A, NE
Winter Haven, FL 33880
(813) 293-2554

layout and graphics earthbase, inc.
4630 S. Kirkman
Orlando, FL 32811
(407) 872-1880

color separations Dimension, Inc.
1507 West Case St.
Tampa, FL 33606
(813) 251-0244

printer Phoenix Press, Inc.
11222 Astronaut Blvd.
Orlando, FL 32821
(407) 859-9499

COPYRIGHT NOTICE: Copyright 1990, Janlark Communications, Inc. 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.

EXTRA COPIES/POSTERS: Copies of this issue and some back issues and unfolded copies of the poster are available from Janlark Communications. Magazines are \$5 each plus shipping, posters are \$15 each, 2/\$25. Supplies are limited.

SUBSCRIPTIONS: If you would like to receive a copy of each issue, please contact the FGCSA office for price and policies.

ADVERTISING: For rates and information, contact Janlark Communications, Inc. January 1991 issue closes Dec. 1.

EDITORIAL: Opinion columns and letters to the editor should be directed to the superintendent-editor, Joel Jackson, CGCS. News releases and all other inquiries should be directed to Janlark Communications. Unsolicited manuscripts and photographs cannot be returned.

POSTMASTER: Address correction requested. Please send all address corrections to Florida Golf Course Superintendents Association, 1760 NW Pine Lake Drive, Stuart, FL 34994.

JANLARK
COMMUNICATIONS, INC.

1206 Kimberle Court, Auburndale, FL 33823
813-967-1385 Fax 813-965-1734

Advertiser Index

AmerAquatic 16 Please See us in Booth 604	Lantana Peat 24 Please See us in Booth 651
Aquatic Systems 34 Please See us in Booth 531	Lesco Covers, 1 Please See us in Islands G-J
Atlantic FEC 12	Liquid Ag 29 Please See us in Booth 302-304
Central Fla Turf 21 Please See us in Booth 635	Mike Young Designs 23
Chemical Containers 16 Please See us in Booth 631	Milliken Blazon 27 Please See us in Booth 912
Club Car 17 Please See us in Island P	Mobay 10 Please See us in Booth 519-521
Central Florida GCSA 5	Nor-Am Insert Please See us in Booth 836
Cushman 2, 40 Please See us in Island B	Nutri Turf 33 Please See us in Booth 752
Delray Stake 38	Par Aide 51 Please See us in Booth 629
DNA Enterprises 46 Please See us in Booth 933	Pike Creek Turf 52 Please See us in Booth 443
Douglas Products 48 Please See us in Booth 422	Proseed 42
Dow Elanco 4, 18 Please See us in Booth 418-420	Regal Chemicals 25 Please See us in Booth 739
Duda Sod 51 Please See us in Booth 534-536	South Florida Grassing 28
Es-Tech 35 Please See us in Booth 233	Southern Concrete & Paving . 12 Please See us in Booth 941-943
Excel Industries 14 Please See us in Booth 840-844	Spread Rite 55
Fla Waterway Mgt 21 Please See us in Booth 232	Standard Sand & Silica 48 Please See us in Booth 243
Florida Silica Sand 49	Sunniland 36 Please See us in Booth 334-336
Golf Ventures 43 Please See us in Island N	Terra International 55 Please See us in Booth 952
Haverland Blackrock 53	Tom Burrows Turfgrass Svc .. 55
Hector Turf Insert Please See us in Island D	Trans Resources 47
International Seeds 45 Please See us in Booth 218-220	Valent 39, Ins back cover Please See us in Booth 306
Jahna Industries 52	Wesco Turf 34 Please See us in Island D
Lake Doctors 38	Woodbury Chemicals 8 Please See us in Booth 211-213
	Zaun 48 Please See us in Island D

Welcome (back)!

The following companies are advertising in The Florida Green for the first time. . . or, in some cases, have returned to our pages after an absence of a year or more.

Central Florida GCSA 5	Pike Creek Turf 52
Excel Industries 14	Terra International 55
Nor-Am Insert	

WANTED



Dick Campbell



Russ Mitchell



Tom Gaines



Bill Lund



Steve de Mello

OUT OF COMPETITIONS HAIR!

These professionals are guilty of:

- Great Service
- Best Pricing
- Maintaining 4 Service Locations
- Top Products
- Expert Knowledge
- 25 Plus Years of Florida Turf Tradition
- Industry Support

BUT YOU CAN FIND THEM AT:

Dick Campbell, North and Central Florida — (407) 422-2337 Ext. 862 Pager, (407) 247-1727 Mobile

Russ Mitchell, Southeast Florida — (407) 835-5283 Pager, (407) 346-7078 Mobile

Tom Gaines, Dade and Broward Counties — (305) 397-4372 Pager, (800) 432-3411

Bill Lund, Southwest Florida — (813) 883-1724 Pager, (800) 282-2719

Steve de Mello, Tampa Area North — (813) 883-1684 Pager, (800) 282-2719

Woodbury
A TURF TRADITION



After only four short years in Florida, I find myself writing your President's Message. The reason I am in this position so soon is because when I came to Florida, I made the effort to get involved.

Let's all get involved

Four years ago, the state budget was one half the amount that it is today. We have gone from a part-time secretary to a full-time executive secretary.

Thanks to the efforts of Kevin Downing and the FGCSA Research Committee, we have constructed a half-acre research green at the IFAS center in Fort Lauderdale worth \$80,00 and hired Marcus Prevatte as research technician to assist in the necessary daily operations. Already the USGA has given IFAS money to fund two research projects on this green.

Our newsletter, the Green Sheet, has vastly improved thanks to the efforts of Mike Bailey. The Florida Green, winner of many awards, has just gone through a smooth transition from Dan Jones to Larry Kieffer.

Mark Jarrell, chairman of our public relations committee, continues to spread our word to the golfing public each month with his timely articles in Golfweek.



Ray Hansen

Walt McMahon and his committee have expanded our education programs and has done a great job. If you haven't been to one, you are missing out.

We have increased our members from 425 in 1985 to 685 today, thanks to Tom Benefield's work on the membership committee.

With all the good things that we are accomplishing, it concerns me that fewer than half of the golf course superintendents in Florida are members of this association.

I don't know how in this day and age anyone can keep up with what's going on in our industry without continuous education. The new SARA III laws alone are enough to boggle one's mind and it's only going to become more complicated. Water usage is going to come under close scrutiny in the future with more people moving to Florida.

I urge each reader to encourage any superintendent he knows who is not a member of the FGCSA to become one. Invite the non-member to a local chapter meeting to see for himself or herself what we have to offer.

The more superintendents we have who are informed, the healthier it is for all. Let's all get involved.

Nematode and mole cricket protection that elevates your turf.

Mobay raises the standards for turf by burying the pests.

For *nematodes*, there's NEMACUR® Turf and Ornamental Nematicide. It has a 20-year history of preventing yellow grass by controlling more kinds of *nematodes* than any product on the market. To top it off, it lasts longer, eliminating costly multiple applications.

For *mole crickets*, there's OFTANOL® insecticide. It kills *mole crickets* so fast, they don't have a chance to crawl to the surface. Better yet, treatments cost about 30% less per square foot than the closest competitor.

Treat your tees, greens, and fairways with NEMACUR and OFTANOL. Nothing works better. Nothing works more economically.

For more information, contact your Mobay distributor or Mobay sales representative. They can help you take your turf to new heights.

Nemacur Oftanol

Mole crickets can burrow up to 20 feet per night, feeding on grass roots and leaving mounds of soil on the surface. Prevent them with OFTANOL.

To identify nematode damage, look for wilted turf with a stunted root system. Then, treat with NEMACUR. In the interim, you can mask the damage with frequent, light watering and increased fertilization.

