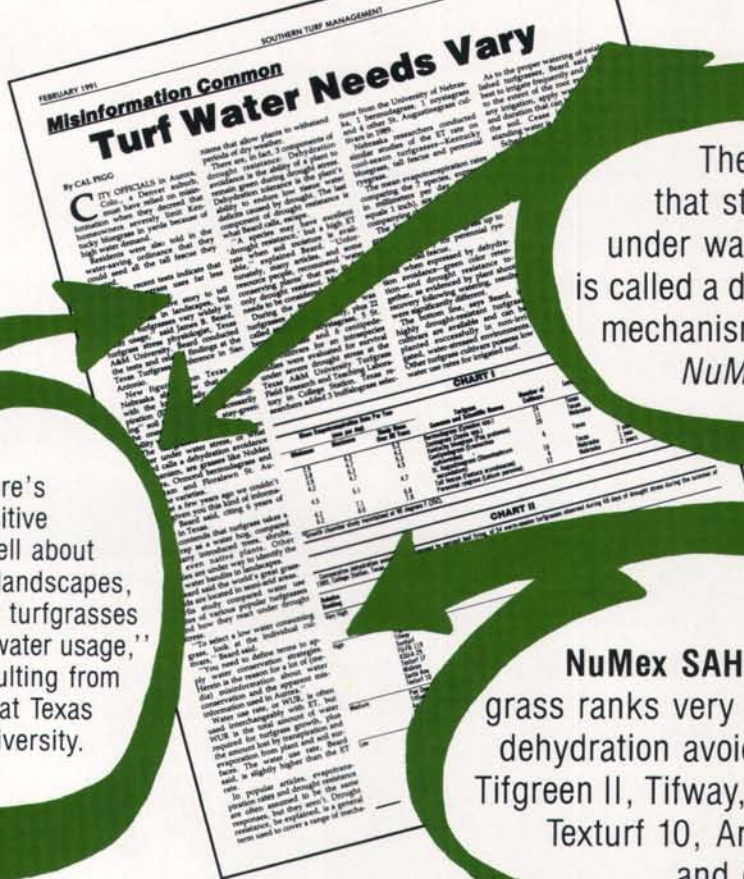


# REQUIRED READING



The turfgrasses that stay green better under water stress, or what is called a dehydration avoidance mechanism, are grasses like *NuMex Sahara*...

"There's a positive story to tell about turfgrass in landscapes, but (specific) turfgrasses vary widely in water usage," a quote resulting from research at Texas A&M University.

**NuMex SAHARA** bermudagrass ranks very high in comparative dehydration avoidance—Better than Tifgreen II, Tifway, Midiron, Santa Ana, Texturf 10, Arizona Common, and others.

# SMART SEEDING

## SAHARA

**NUMEX TURF-TYPE BERMUDAGRASS**

- Easy to Establish
- Lush Green Carpet
- Uses Less Water
- Wear Tolerant

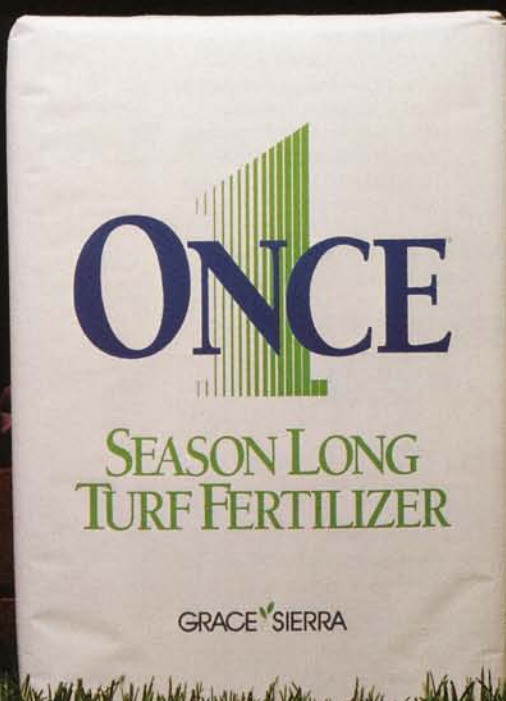
**AVAILABLE NOW!**



PVP U.S. Plant Variety Protection #8800010

For further information contact: **fm** FARMERS MARKETING CORPORATION  
 P.O. Box 60578 • Phoenix, Arizona 85082-0578 • (602) 437-4058 • 1-800-8-SAHARA (872-4272) • FAX: (602) 437-0245

# To Save Reapplication Costs Apply Just



ONCE™ eliminates labor and other costs of fertilizer re-applications because you apply it only once per season.

This improves manpower forecasting and frees your time for other projects. Plus, you get consistent, superior turf and ornamental growth with no “feast or famine” effects of other fertilizers.

ONCE was developed using our OSMOCOTE® resin coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously—every day—for a full season.

Because release is based *only* on temperature—not water, pH, or bacteria as with other fertilizers—nutrient availability matches turf and plant growth needs.

ONCE is available now in a variety of analyses and 8-9 and 5-6 month longevities. There is also a formula specifically for ornamentals.

Contact your Grace-Sierra turf/landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**

### STAFF

PUBLISHER **MARK ADAMS**  
ASSOCIATE PUBLISHER/EXECUTIVE EDITOR  
**BRUCE F. SHANK**  
SENIOR EDITOR **JAMES GREGORY**  
MANAGING EDITOR **MATTHEW TRULIO**  
ASSOCIATE EDITOR **MICHELLE D. STERBAKOV**  
DIRECTOR SALES/MARKETING **ANDREW BROZEK**  
ART DIRECTOR **SUE NOBLE**  
PRODUCTION **PAM RITCHIE**  
CIRCULATION DIRECTOR **DENISE ALLEN**  
FULFILLMENT **SUE LAGOMARSINO, IRINE PRASTIO**  
ADVISORY BOARD **ED BIRCH, TOM COOK,**  
**WILLIAM DANIEL, VIC GIBEALT,**  
**DON HOGAN, HENRY INDYK,**  
**WILLIAM KNOOP, JOHN LIBURDI,**  
**MIKE SCHILLER.**

### ADVERTISING AND EDITORIAL OFFICES

P.O. BOX 8420, VAN NUYS, CA 91409 / 818-781-8300

### SUBSCRIPTION RATES

ONE YEAR \$30  
TWO YEARS \$45  
FOREIGN (ONE YEAR) \$50



**AN ADAMS PUBLISHING CO.**  
6913 VALJEAN, VAN NUYS, CA 91406  
(818) 781-8300, FAX (818) 781-8517

### OTHER GOLD TRADE PUBLICATIONS

LANDSCAPE & IRRIGATION  
ARBOR AGE  
IRRIGATION JOURNAL  
LANDSCAPE DESIGN



**Golf & sportsTURF Magazine**  
(ISSN 1049-0000)

is published monthly by Gold Trade Publications, Inc. Material in this publication may not be reproduced or photocopied in any form without the written permission of the publisher. Copyright © 1991. Member of the Business

Publications Audit of Circulation, Inc.

SECOND CLASS POSTAGE PAID at Van Nuys, CA

Postmaster: Please send change of address to  
Golf & sportsTURF, P.O. Box 8420, Van Nuys, CA 91409.

VOLUME SEVEN, NUMBER FIVE

MAY 1991

## MAIN EVENTS

### 8 OSPREY COVE: UPSCALE PUBLIC GOLF IN FLIGHT

McCumber Golf designed and built this upscale public course in St. Marys, GA using principles of both economy and quality. Mike Beebe, project architect for Osprey Cove, outlines some of the cost-saving design techniques and Superintendent Burr Johnson offers details on golf course maintenance.

### 14 BENTGRASS SOUTHERN STYLE

Creeping bentgrasses have expanded their range of popularity into warm, humid regions of the nation. Golfers, especially winter residents, prefer its putting surface. More superintendents are learning how to manage this specialty turf on the edge of its adaptation. Meanwhile turf breeders are achieving higher levels of heat and drought tolerance with their newer varieties.

### 22 TIGER FIELD EARNS ITS STRIPES

Working with horticulture students and members of the baseball team, Ray Cipperly has built a baseball program and an award-winning diamond at Middlesex County Vocational-Technical High School in East Brunswick, NJ. This inspiring team effort earned the Baseball Diamond of the Year Award in the high school/park category. See for yourself, this high school field rivals most minor league and some major league diamonds.

## LINE-UP

6 FRONT OFFICE

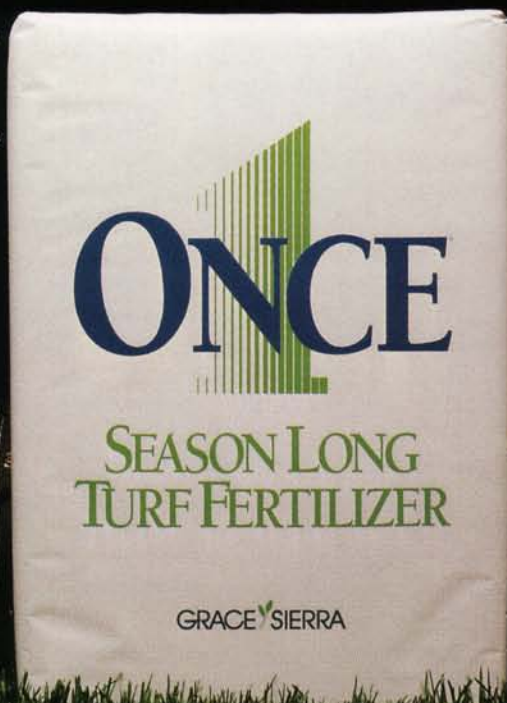
6 EVENTS

30 ROOKIES

34 SCOREBOARD

**COVER:** Jeff Markow, superintendent of The Vintage Club in Indian Wells, CA on PennLinks green. Photo copyright: Larry Kassell.

# For Consistent Superior Growth Apply Just



ONCE™ gives you consistent, superior turf color and growth because it feeds continuously—all season.

ONCE eliminates the “feast or famine” effects of conventional fertilizers. This insures uniform, superior growth—with even mowing cuts. And minimal nutrient pollution.

ONCE was developed using our OSMOCOTE® resin coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously—every day—for a full season.

Because release is based *only* on temperature—not water, pH, or bacteria as with other fertilizers—nutrient availability matches turf and plant growth needs.

ONCE is available in a variety of analyses and 8-9 and 5-6 month longevities.

ONCE. Contact your Grace-Sierra turf/landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**

# THE FRONT OFFICE

OPINION PAGE

## CHAPTERS INVIGORATE STMA



Last year was a crucial year for the Sports Turf Managers Association. A lot of industry people were worried about the state and future of STMA, including me. However, a much appreciated push from local chapters is bringing new life to this extremely necessary organization.

One of my biggest complaints about STMA was its lack of encouragement and support of local chapter formation. Chapters are often the backbone of industry organizations. They can get a national association through rough periods and vastly expand the range of services available to members. They bring local relevance to athletic field problems and solutions, represent the national cause on a "home town" basis, and are the eyes and ears of the organization. In the case of STMA, the chapters assist in organizing regional institutes, recruit new members, and address local problems with the assistance of the Extension Service and universities.

The Miami chapter broke the ice for STMA in 1989. Ed Birch with the Broward County (FL) School District and Tom Mascaro from Turf-Tec worked with STMA and the local Extension Service to launch a well-attended series of monthly educational meetings. Shortly thereafter, Chicago organized a chapter with the help of Ken Mrock from the Chicago Bears, Greg Petry of the Waukegan (IL) Park District, and Mike Schiller with Arthur Clesen, Inc.

In the past few months, chapters have been formed in Colorado and South Carolina. Tom Lujan at Mile High Stadium in Denver is president of the Colorado Chapter and Joe Wilson with the City of Greenville, SC is president of the South Carolina Chapter. Both new chapters have workshops or institutes scheduled for this summer.

Currently, chapters in Arizona, Iowa, and Maryland are going through the formation process. Harold Gentry with the City of Mesa is the president of the Arizona group. Gary Peterson with Iowa Cooperative Extension Service in Newton is the executive director of that group. Raymond Flood with the University of Maryland is the point man for the Maryland Chapter.

With a little encouragement, chapters could be formed in Ohio, Oregon, Washington, Michigan, New England, Texas, Missouri, Kansas, Minnesota, and California. For that matter, just about any major metropolitan area needs a local sports turf managers organization. All it takes is five or ten dedicated people to form one. It doesn't have to be formal or complicated. The Florida Chapter started out by meeting in a restaurant for lunch. Now the Extension Service provides a room every month.

STMA began as a few groundskeepers getting together in Harry Gill's room at the Purdue Student Union during the Midwest Turf Conference. The people gathered in his room decided that the sports turf industry needed its own association. You can do the same thing in your own home town.

Chapters are like children. They keep parents alert and active...on their toes, so to speak. That's what chapters seem to be doing for STMA. Now, it's up to STMA to nurture and guide them.

*Bruce F. Shank*

# EVENTS

CALENDAR

## JUNE

**9-12** Annual Convention of the National Association of Collegiate Directors of Athletics, San Diego Marriott, San Diego, CA. Contact: NACDA, P.O. Box 16428, Cleveland, OH 44116, (216) 892-4000.

**24-25** Annual Turfgrass Summerfest, Washington State University Puyallup Research and Extension Center, Puyallup, WA. Contact: Northwest Turfgrass Association, P.O. Box 1367, Olympia, WA 98507, (206) 754-0825.

**27** Field Day, Cornell University, Ithaca, NY. Contact: New York State Turfgrass Association, P.O. Box 612, Latham, NY 12110, (800) 873-8873.

## JULY

**28-30** International Power Equipment Expo, Outdoor Power Equipment Institute, Kentucky Fair and Exposition Center, Louisville, KY. Contact: Expo '91, (800) 558-8767 or (502) 473-1992.

**29** Turfgrass Field Day, South Farm, University of Missouri, Columbia, MO. Contact: Missouri Valley Turfgrass Association, 344 Hearnes Center, University of Missouri, Columbia, MO 65211, (314) 882-4087.

**31** Griffin Field Day, Georgia Golf Course Superintendents Association, Georgia Experiment Station, Griffin, GA. Contact: Karen White, GGCSA, P.O. Box 683, Watkinsonville, GA 30677, (404) 769-4076.

**31-2** American Sod Producers Association Summer Conference and Field Day, Red Lion Inn-Lloyd Center, Portland, OR. Contact: ASPA, 1855-A Hicks Road, Rolling Meadows, IL 60008, (708) 705-9898.

## AUGUST

**5-6** Summer Meeting, Georgia Golf Course Superintendents Association, Lake Lanier Islands Hotel and Golf Club, Lake Lanier Islands, GA. Contact: Karen White, GGCSA, P.O. Box 683 Watkinsonville, GA 30677, (404) 769-4076.

Send announcements on your events two months in advance to editor, *Golf & SportsTURF*, P.O. Box 8420, Van Nuys, CA 91409. Fax: (818) 781-8517.

# For Rapid Turf Recovery Apply Just



ONCE™ promotes rapid turf recovery because it makes nutrients available continuously — *every day* — in amounts needed by turf.

This speeds turf recovery and promotes better stress and disease resistance. Plus, you get more consistent mowing cuts (no flushes) and superior turf color and density.

ONCE was developed using our OSMOCOTE® resin

coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously — *every day* — for a full season.

Because release is based *only* on temperature — not water, pH, or bacteria as with other fertilizers — nutrient availability matches turf and plant growth needs.

ONCE is available in two longevities (8-9 month,

and 5-6 month for northern climates) and a variety of analyses. There is also a Potassium-specific formula for highly stressed areas.

Contact your Grace-Sierra turf and landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**

---

*There is a big demand for high-quality public golf, partly because we live in a transient society.*

---

**B**y the year 2000, almost 33 million people will be swinging clubs on courses around the country, according to the National Golf Foundation. More than 4,000 new courses—resort, private, and public—will be needed to meet this demand. And while it will always be important for most courses to closely watch maintenance costs, controlling these costs will be imperative for public courses that hope to combine high-quality conditions with affordable daily fees. That chore rests both with golf course architects who design these courses and the superintendents who maintain them.

Such courses are more than just wishful thinking—they already exist and their numbers are growing. Osprey Cove, an 18-hole 6,800-yard par 72 public course situated around a 900-acre residential community in St. Marys, GA, is the perfect example of how a golf course architect and superintendent can team up to keep course conditions high and daily fees relatively low. Green fees for this first-rate course are \$16 during the week and \$21 on the weekends. Yearly memberships may also be purchased by

home and property owners in the community.

Osprey Cove was designed and built by McCumber Golf, a golf course design, construction, and management firm headquartered in Orange Park, FL. Of course, the name which first springs to mind when you think of McCumber Golf is Mark McCumber, PGA tour pro and president of Mark McCumber Associates, the company's course design division. However, the firm, which has built or designed more than 40 courses, is run by older brother Mark, who serves as CEO.

"The four brothers [Gary, Tim, Jim, and Mark] grew up playing golf on a Donald Ross-designed public course in Jacksonville, FL," says Cheryl Robertson, director of communications for McCumber Golf. "They are terrific examples of how a career can be determined by the elements of one's youth. Mark became the professional, but Jim, a low handicap golfer, encouraged Mark to pursue the tour, even though he was very involved in the brothers' business. Any one of the McCumber brothers will quickly agree that the exposure to golf at

## Osprey Cove: *Upscale Public Golf In Flight*

*By Matthew Trulio*

