



# Raise your trimming production to new heights with the triplex package that outperforms them all.

Now you can raise your trimming production to a new all-time high with the superior efficiencies and cutting performance of the all new Tri-King 1471.

**Faster, more precise control.**

Our exclusive foot-operated hydraulic lift with automatic reel shut off combined with aircraft-yoke-type steering delivers the fastest lift, turn and mow capability of any triplex in the industry. For greater overall production.

Plus, it tackles your most demanding trimming jobs, thanks to the hill-hugging ability of this 71" hydrostatic traction drive mower.

**Unequaled cutting performance.** Match cutting fre-

quency precisely to mowing conditions with variable speed control and a choice of 5- or 10-blade reels. And fixed or free-floating heads glide closely over land contours for that one-of-a-kind Jacobsen cut.

**Designed to trim operating costs, too.** The 1471's low-maintenance design includes a reliable 14-hp cast-iron Kohler Magnum engine with electronic ignition, and a ducted clean air system for extended operating life. Unlike competitive systems, its direct-drive traction pump eliminates annoying belt slippage and time-consuming adjustments and replacements. And interchangeable reel drive belts make replacement easy, without

troublesome jackshaft removal.

So, arrange a free demonstration with your Jacobsen distributor, today. And see for yourself how superior efficiencies and performance enable the 1471 to take the high ground in trimming production.

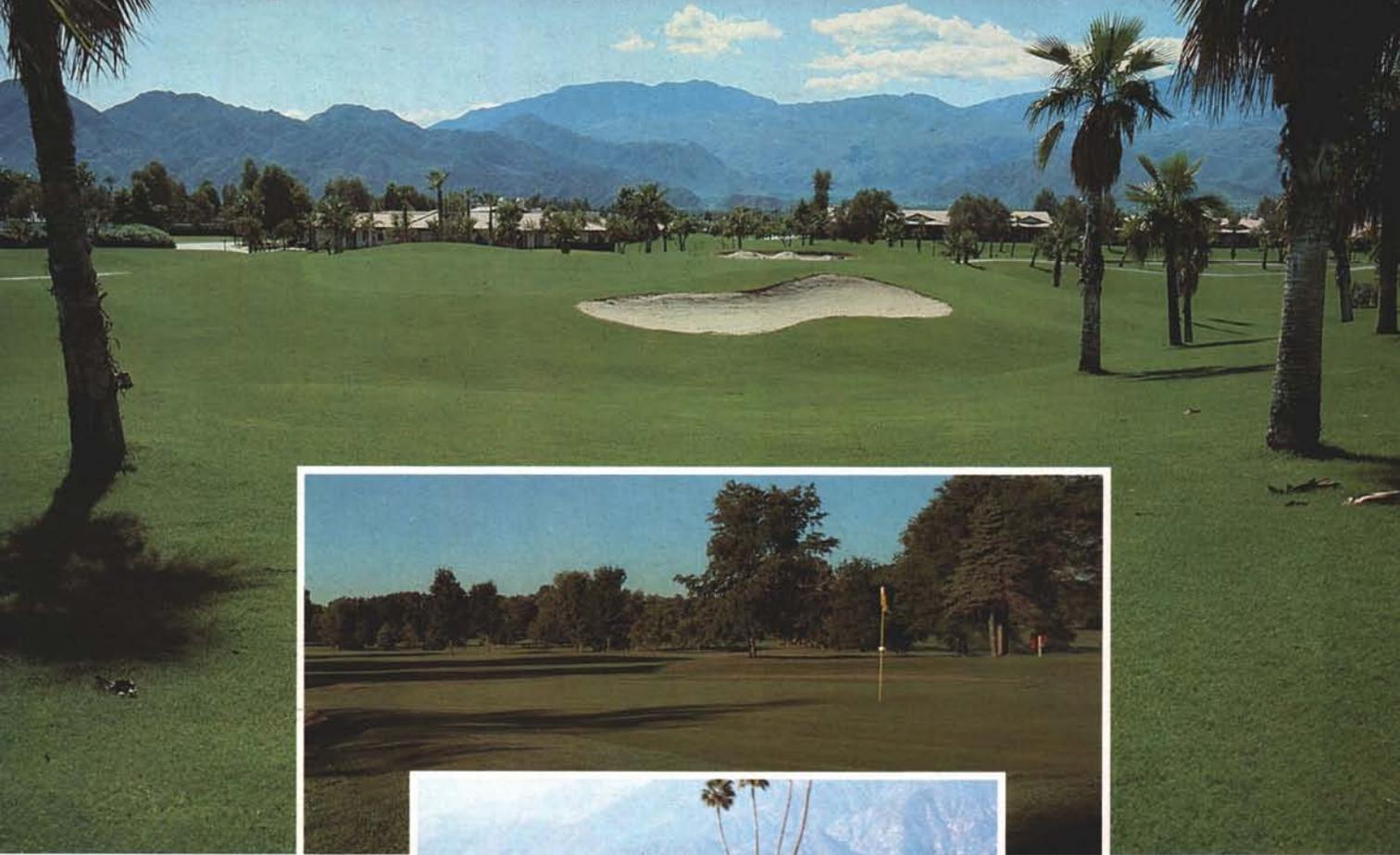
Attractive lease and finance plans available. Jacobsen Division of Textron Inc., Racine, WI 53403.

J-3-7

**JACOBSEN  
TEXTRON**

Jacobsen Division of Textron Inc.

© Jacobsen Division of Textron Inc. 1987



## WHY USE ANYTHING BUT THE BEST PERENNIAL RYEGRASS?

It may be a game to your customers, but to you it's serious business. Good looking turf means more customers, and more profits. That's why discriminating grounds managers look to Pennant perennial ryegrass. Whether it's a golf course, an athletic field or a turf track, Pennant performs like a true champion.

Across the country, Pennant's performance in turf trials speaks



for itself. Pennant has rated best over other varieties of perennial ryegrass, including overseeding dormant Bermuda grass, extreme heat-drought stress, resistance to sod web worm, red thread and brown patch disease and winter injury. Pennant was also found to maintain its excellent turf color and quality late into the season.

Take a look at Pennant ... you'll be impressed with its rich, moderately dark green color, its fine leaf blades and its improved mowing properties.

When your reputation counts on the turf you grow ... the obvious choice is Pennant.

**PENNANT**  
PERENNIAL RYEGRASS

*"The Trophy Turf"*



**E.F. Burlingham & Sons.**

P.O. Box 217 • Forest Grove, OR 97116  
(503) 357-2141 • Telex: 36-0274  
Cable: Burlingham

### STAFF

PUBLISHER **DENNE GOLDSTEIN**  
ASSOCIATE PUBLISHER **BRUCE SHANK**  
EDITOR **ANNE GOLDSTEIN**  
ASSOCIATE EDITOR **JAMES GREGORY**  
ADVERTISING DIRECTOR **JEFFREY JAMPOL**  
ADVERTISING SALES **RON VAN METER**  
PRODUCTION MANAGER **STACEY GOLDSTEIN**  
ART DIRECTOR **MARK KOPRCINA**  
CIRCULATION **DENISE ALLEN**  
ADVISORY BOARD **TOM COOK, WILLIAM DANIEL,  
ROBERT FRIETAS, VIC GIBEAULT,  
ROY GOSS, FRED GRAU, HENRY INDYK,  
WILLIAM KNOOP, EDMUND BIRCH**  
ADVERTISING AND EDITORIAL OFFICES  
P. O. BOX 156, ENCINO, CA 91426-0156 / 818-343-4334

### SUBSCRIPTION RATES

ONE YEAR \$18  
TWO YEARS \$30  
FOREIGN (ONE YEAR) \$40

**GTP** Gold Trade  
Publications, Inc.  
P.O. BOX 156, ENCINO, CA 91426  
(818) 343-4334

### OTHER GOLD TRADE PUBLICATIONS

LANDSCAPE & IRRIGATION,  
ARBOR AGE,  
IRRIGATION JOURNAL

### EXECUTIVE STAFF

PRESIDENT **DENNE GOLDSTEIN**  
VICE PRESIDENT **BRUCE F. SHANK**  
VICE PRESIDENT **ANNE GOLDSTEIN**  
VICE PRESIDENT **STACEY GOLDSTEIN**  
VICE PRESIDENT **RANDI GOLDSTEIN**  
VICE PRESIDENT **IRA GOLDSTEIN**  
MASCOT **JOJO**

### sportsTURF Magazine

is published twelve times a year by GTP, Inc.  
Material in this publication may not be  
reproduced or photocopied in any form without  
the written permission of the publisher.  
Copyright ©1987. Member of the Business  
Publications Audit of Circulation, Inc.



SECOND CLASS POSTAGE PAID at Van Nuys, CA  
(ISSN 0890-0167)

Postmaster: Please send change of address form 3579 to  
sportsTURF magazine, P. O. Box 156,  
Encino, CA 91426-0156.

VOLUME THREE, NUMBER NINE

SEPTEMBER 1987

## MAIN EVENTS

### 14 RYEGRASS: THE CHOICE TURF FOR WINTER SPORTS

Improved varieties of perennial ryegrass combined with the tremendous increase in the use of dormant sports turf during the winter have made overseeding in the South as important as irrigation, fertilizing and aerifying. Sports turf managers from Fort Lauderdale, FL, to Palm Desert, CA, reveal their overseeding methods. They provide important tips on achieving high germination rates in the fall and encouraging the warm-season grasses to return in the spring. University turf researchers and turfgrass breeders report some of their latest discoveries. More sports turf managers have been able to justify overseeding where dormant warm-season turf is used heavily during the winter.

### 26 THE LIVING SOIL — ABSORBING SHOCK THE NATURAL WAY

Two experienced turf specialists state why they feel sports turf managers need to pay more attention to the organisms living in the soil. The Lawn Institute's Eliot Roberts and The National Sports Turf Council's Fred Grau build a case for including clay and humus in sports turf root zones. They also describe how maintenance practices can encourage organisms living within the soil to keep it soft and resilient for both the health of the turf and the athletes playing on it. This story is a look below the surface for a better understanding of how soil impacts turf management.

## LINE-UP

- 8 FROM THE PUBLISHER
- 10 THE FRONT OFFICE
- 10 EVENTS
- 38 CHALKBOARD
- 42 ROOKIES
- 50 SCOREBOARD

**COVER:** Overseeded peninsula green at Innisbrook Golf and Country Club, in Tarpon Springs, FL. The fairways are not overseeded.

**Tell these guys to keep off the grass  
and somebody's going to be teed off.**



Naturally, you want to keep the course open as much as possible. But there are those times when you have to close sections of the course to reseed or overseed.

Now there's a way to cut your down time. Reseed or overseed with Nutri-Kote® Plus Apron® coated seeds.

Nutri-Kote Plus Apron coated seeds control Pythium and other seedling

diseases. Turf establishment is faster, especially for bermudagrass, bentgrass, turf-type fescues and perennial ryegrass. There's more lush green leaf growth. Better root development. And seeds that stay where you want them at planting.

For economy you can't beat Nutri-Kote Plus Apron. Applications are easier to monitor. It attracts moisture during germination. Fertilizer and fungicide use is more efficient. And quicker establishment means less down time and loss of revenue.

When it's time to reseed or overseed, depend on Nutri-Kote Plus Apron coated seeds for fast, reliable, economical stands. Then the only thing golfers will have to tee off on is the ball.



NONCOATED RYEGRASS



NUTRI-KOTE PLUS APRON  
COATED RYEGRASS

NUTRI-KOTE is a registered trademark of CelPril Industries, Inc. APRON is a registered trademark of CIBA-GEIGY.

**NUTRI-KOTE® PLUS APRON®**  
*You'll always look like a pro.* 

Seed Coatings by CelPril Industries, Inc.  
251 Oak Street, Manteca, CA 95336, 209-823-1738



There's nothing like a steep slope to give you a new slant on front mower performance.

Especially when you compare a John Deere front mower to the leading competition.

So what makes a John Deere front mower climb better? A combination of two things.

Sure a lot of front mowers have what they call a traction assist device. But only John Deere has a true differential lock for positive pulling power.

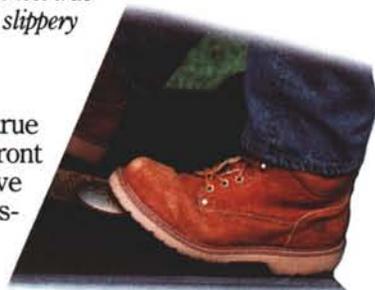
*Only John Deere gives you a true locking differential for positive two-wheel traction assist in slippery conditions.*

It's also true that some front mowers have weight transfer control.

But once again only John Deere puts the control at your fingertips. So you can hydraulically dial in more traction on the go.

And since a John Deere lets you engage both these features at the same time, our front mowers give you the most efficient pulling power in the business.

Power that adapts to a lot of everyday



*Standard equipment on the F930 and F935 (optional on the F910, F912, and F915), John Deere's exclusive hydraulic weight transfer valve lets you shift the weight of the deck to the drive wheels for added traction on the go.*



# John Deere's view of front mower performance is slightly different from the view held by the competition.



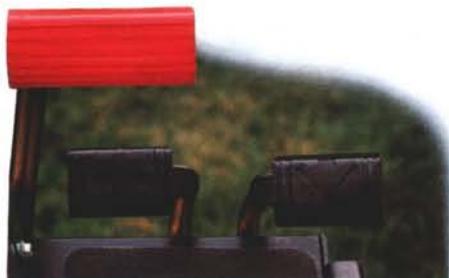
jobs, too. Like mowing in wet conditions.  
Or pulling straight along sidehills.

And because king of the hill isn't the only  
game in town, a John  
Deere front mower  
comes with a lot of  
exclusive features a  
flatlander will appreci-  
ate, too.

Take our power  
steering for example.  
No other front mower  
gives you two turn  
lock-to-lock steering  
with such ease. Such  
control in tight areas.

*Two turn lock-to-lock  
power steering gives John  
Deere front mowers  
highly responsive control  
for excellent maneuver-  
ability in tight areas.*

*Two pedal speed and  
direction control helps  
reduce fatigue. Pro-  
vides steadier, less  
jerky speed control on  
rough ground com-  
pared to heel and toe,  
single pedal units.*



Or compare our straight forward two-  
pedal speed and direction control to some of  
the backward controls you've been behind.

The more you compare, the more you'll see  
that when it comes to front mower performance,  
we're doing more than spinning our wheels.  
Ask your dealer for a demonstration soon.

**Nothing Runs  
Like a Deere®**



1837-1987  
**150**

# FROM THE PUBLISHER



**W**ith this issue of *sportsTURF* we begin our third year. As I look back it's hard to believe that two years have gone by so quickly. It wasn't easy, but both Bruce and I felt we had an idea whose time had come.

The turf and landscape markets generate 25 billion dollars annually into the economy of this country. Although everybody is still trying to figure out what portion of this is comprised of the sports and institutional markets, it is safe to say that it is at least one third of the \$25 billion. That's one enormous market. Yet, until *sportsTURF* magazine appeared, no one publication devoted itself exclusively to this market. It was a gutsy move on our part, but we had the courage of our convictions. In this short span of just two years, time

has proven that we were on the right track. To be sure, the broad-based publications then and now are still trying to convince the advertisers that they cover this area in their editorials—but the truth is, this segment of the market is large enough to support a publication of its own. This is the niche *sportsTURF* is filling.

When we started publishing *sportsTURF* we knew that we would be charting new waters. We knew there would be some who would take pot shots at us. They were heavy guns and could have blown us out of the water, but our little boat was able to zig and zag with enough speed that it was hard for them to zero in on us. It is interesting to note how many advertisers are now creating ads for the sports and institutional turf market.

As we travel throughout the country and talk with many of you, we are delighted that we have been able to impact the market as well as we do. It means that we are hitting the target. We are recognized because we have our finger on the pulse of the industry. Not only can we relate to you, we report the happenings in the field, the new innovations, we report what you are doing in the field. You deserve all the credit.

I don't mean to sound like we have achieved our objectives. We have merely established a beachhead, and we still have a long way to go. Professional grounds managers, be they on sports complexes, golf courses or parks and recreational areas, do a herculean job with limited resources—more importantly, with little recognition from their higher-ups. Yet the challenge they undertook is one they willingly face, not just because of the money, but the desire, the ego and the sense of pride. It has to be very gratifying to know that your golf course has been chosen to be on national TV, and you work your butt off to make sure your course is not only in the best playable condition but that it shows off well. All managers of sports turf, especially those of major league football and baseball fields, know that each week, as their fields are televised, they are under scrutiny. Pressure job—you bet it is!

But you too, are traveling new roads. You too are going where no one went before. New techniques and new technology, combined with your creative ability, have put sports turf in the forefront. I like to feel that we at *sportsTURF* have helped give the proper recognition to you who toil and agonize to get those acres and acres of turf in good condition and keep it there.

There is a saying, 'We've come a long way, baby.' Lest we forget, we still have a long way to go.