

Penn A-4 creeping bentgrass succeeds at Cypress Lakes

"We just couldn't keep grass on this green before. I'd worry about keeping the players happy, but now I sleep better at night with Penn A-4 bentgrass."

"We planted Penn A-4 in the fall of 1994, '95 and '96. We faced very poor grow-in conditions, including two hurricanes, and were still able to open for play eight weeks after seeding all three years. Willie and I have a very limited budget to work with, and have heard the hype about increased expense and labor involved with managing newer bent varieties. With Penn A-4, we've found this simply isn't true. The exceptional putting surface we have obtained here at Cypress Lakes more than outweighs any addi-

tional effort on our part. It's a relief to know we have superior heat tolerance working for us in the south, and on this green in particular where nothing seemed to grow next to our namesake cypress lake. We maintain a 0.125" cut throughout the summer, which makes for a truly consistent year-round putting surface with no adverse affect on plant health. We believe that Penn A-4 will continue to perform for our 18 greens here at Cypress Lakes, and we thank the team at Tee-2-Green for introducing it to us."



Willie McGeachy, Superintendent

Tom Prewitt, Co-owner

Number 4 green, Cypress Lakes Golf Course, Hope Mills, North Carolina

Tee-2-Green®

PO Box 250

Hubbard, OR 97032 USA

800-547-0255 in U.S.

503-651-2130

FAX 503-651-2351

bentinfo@tee-2-green.com

There are no guarantees on the course...



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winter months. And it is the only one guaranteed to last through the next season. There's nothing else that offers you this – nothing else can.

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Acente™ eliminates the delays and distractions of two-passenger cart play. It enables a golfer to

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go directly to the ball, visualize, concentrate fully on the shot, set up, and go for it. They'll enjoy a better game, faster.

Acente's ability to speed play by 20% or more is even more rewarding for you. Being able to put more players out means more greens fees, more pro shop purchases, and more food and beverage sales.

Acente will lower your operating costs, too, because it's kinder to your course. Its low dispersed weight ratio has less impact on turf than a walking golfer.

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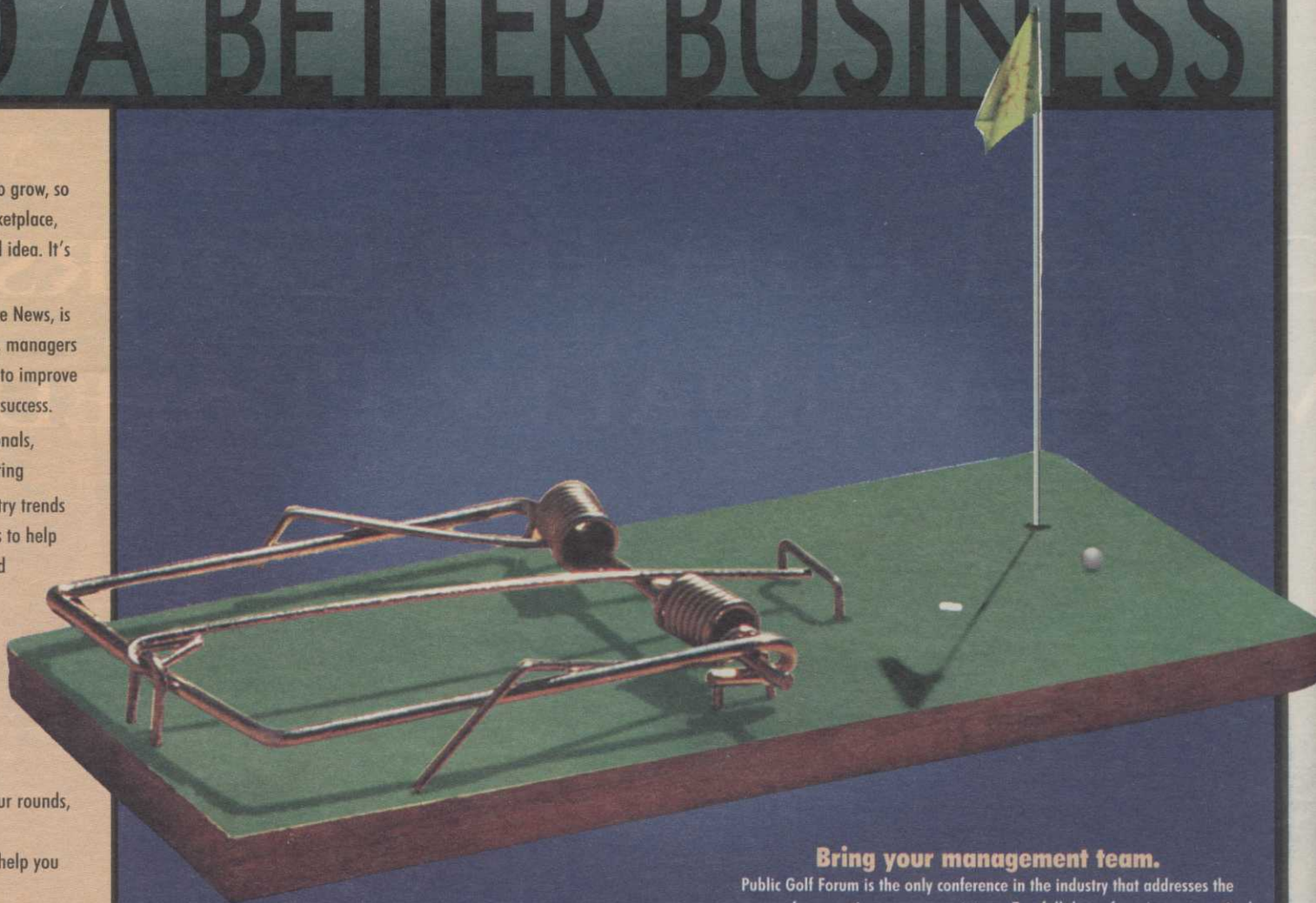
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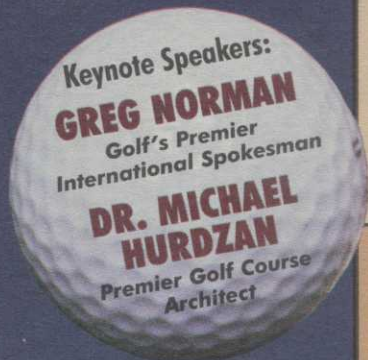
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3 Educational Tracks		MANAGEMENT/MARKETING	DEVELOPMENT	MAINTENANCE
OCTOBER 26	9:00 - 9:50 AM	KEYNOTE PRESENTATION Public Golf Design: Cut Costs, Build Profits—Dr. Michael Hurdzan		
	10:00 - 10:50 AM	Business Factors Changing The Face of Public Golf Management	Renovation: Putting New Life Into The Old Track	Poa Annuua Control: The Solution Is Here!
	11:00 AM - 2:00 PM	LUNCH & EXHIBITS		
	2:00 - 2:50 PM	Developing New Markets: Resurrecting a 9-Holer in a Resort Marketplace	Pitch-and Putt as a First Step Into Regulation Course Development	Country Club-type Fertility On A Public Course Budget
	3:00 - 3:50 PM	Owner Focus: What Do Top Management Companies Look For in a Public Access Course	New Developments: The Advantages of The Totally Organic Course	Widow's Walk: The First Results/The Proof's In the Pudding
	4:00 - 4:50 PM	PGA of America's Career Links Program: Golf Pros As Golf Course Managers	Access For All: The Barrier-Free Design Concept	Pros and Cons of "Going For the Top"
OCTOBER 27	5:00 - 7:00 PM	RECEPTION AND EXHIBITS		
	9:00 - 9:50 AM	KEYNOTE PRESENTATION Tomorrow's Player Starts at Today's Public Venues—Greg Norman		
	10:00 - 11:30 AM	GENERAL SESSION The First Tee Roundtable		
	11:30 AM - 2:00 PM	LUNCH & EXHIBITS		
	2:00 - 2:50 PM	Leasing vs. Buying: What's Best For You?	Permitting Made Easy: A Step-By-Step Guide	Team vs. Zone Approach to Maintenance Crews
3:00 - 3:50 PM	How A Municipality Should Select A Management Firm	Built For Speed: Pace of Play Begins On The Architect's Drawing Board	"Put-A-Pencil-To-It" Savings for Superintendents	



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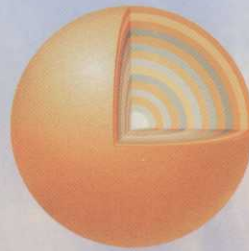
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Terra’s GoldCote nutrients are released based on soil temperature. As turf root activity and nutrient requirements increase with soil temperature – the release of nutrients from Terra’s new fertilizers with GoldCote also increases. Your turf has what it needs – when it needs it.

Plus, since temperature is the key, the GoldCote release rate is virtually constant for all levels of soil moisture, soil pH and microbial activity.



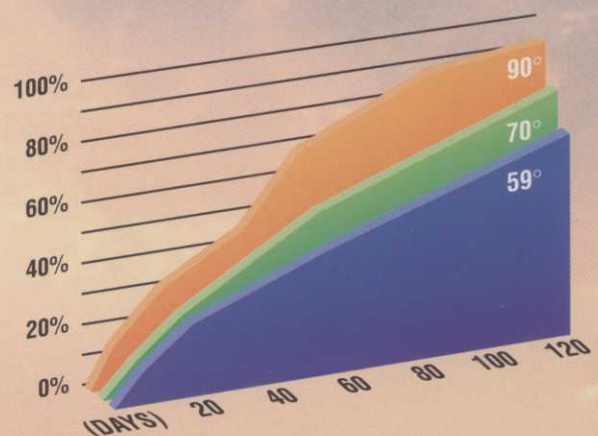
Here's how GoldCote works.

As the soil temperature increases, water vapor from the soil passes through the multiple coatings. The resulting condensation and pressure within the fertilizer granule causes a precise and predictable release of nutrients.

In fact, as this chart shows, nutrient release from Terra fertilizers with GoldCote can be accurately predicted based on temperature. That means you’ll get the performance you expect – when you expect it. You can count on it.

GoldCote Release Rates

% Released/Days/Soil Temperature



Consistent, Superior Nutrition

You know exactly what you want and what your course needs. From urea to monoammonium phosphate (MAP) to potassium nitrate, there's a Terra controlled-release fertilizer with GoldCote that will meet your demands.

And if you demand the best, Terra's potassium nitrate fertilizer with GoldCote is what you want. It provides a balance of potassium and nitrate nitrogen for good blade and root growth. Terra's potassium nitrate fertilizer with GoldCote:

- improves turf quality and color;
- promotes steady, consistent growth;
- eliminates growth spurts and fluctuations;
- minimizes waste and potential pollution caused by leaching and volatilization, and
- reduces the salinity and potential burn common with the use of many fertilizers.

One thing is as certain as you seeing the sun rise each morning – all Terra GoldCote fertilizers have been formulated with the highest quality nutrients and developed to deliver the results you want.

Fewer Applications

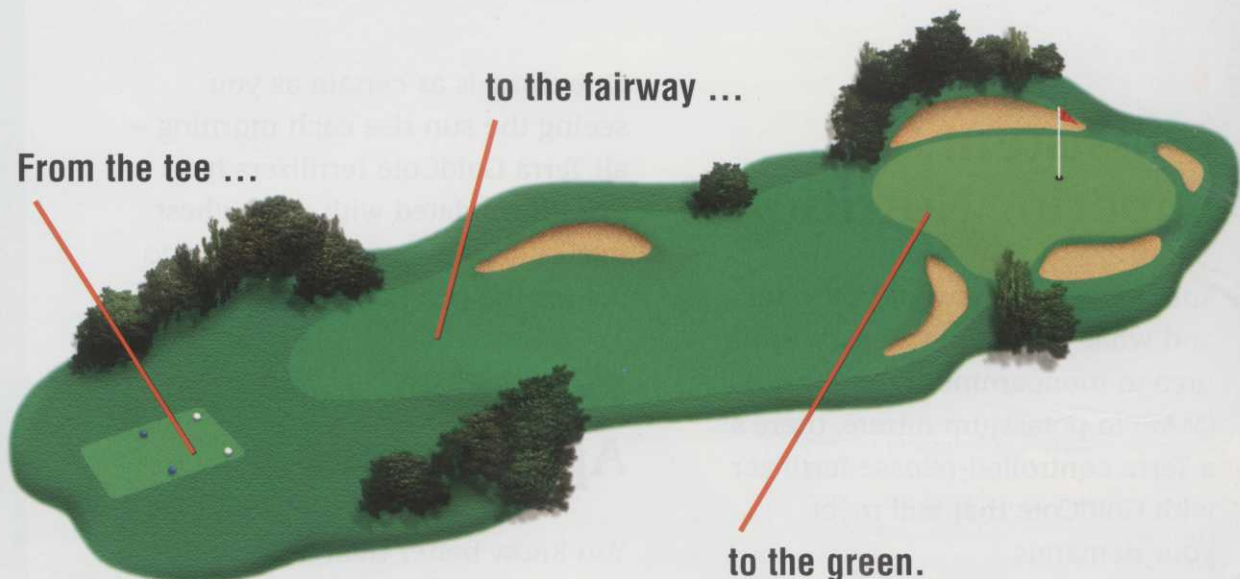
You know better than anyone that there's never enough time – or manpower – to do everything that you need to do. Terra GoldCote reduces the amount of application time your people have to spend compared to conventional fertilizers. Plus, consistent nutrition means consistent growth. There are no growth spurts. No fluctuations. And, as a result, no extra mowings. You can use your people where you really need them.



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TINY KING DATABASE SOUNDED
DALLAS — The Fall College of Texas A&M University is collecting and cataloging the tiny associated with tiny king. This will be used in developing an identification database for tiny king research. Colough is asking students across the United States to send samples of tiny king to him at Texas A&M University, 2130 Texas Ave., Dallas, Texas 75201. Tel: 972-251-3262.

NEVADA SUPERS PINE FUNDS
LAS VEGAS — The Southern Nevada Golf Course Superintendents Association (SNCSA) will host its annual golf tournament for the scholarship fund at Pineda Golf Club here on Nov. 11. People may contact Dave Reish at 702-737-9272 for tournament details.

DAN HONORS BYRON
PANAMA CITY, Fla. — Ted Whitham of the National Society of the Daughters of the American Revolution (DAR) for his distinguished contributions toward the DAR cited his conservation work over the years and his effort in having Panama CC designated in 1997 as a Certified Audubon Cooperative Sanctuary by Audubon International. John Spink is secretary at the club. For details, he has been involved in the preservation of the club's environment since 1981. Since 1992 he has served on the board of the Panama County Audubon Society and has been chairman of the Panama County Job Environmental Committee.

Study gives fungicides 'green light'

MAINTENANCE

BY DOUGLAS PAGE

Fungicide use on golf courses long suspected of contaminating soil and groundwater, has been given a green light by a Purdue University environmental study.

Four years of research at Purdue's Turfgrass Research Center found that fungicides do not seep into surface water, runoff or leach into ground water, as previously feared.

"In terms of golf course superintendent, what we've shown is that they can use the chemicals without fear of

having negative impact on the environment," said Ronald Turco, professor of agronomy and director of Purdue's Environmental Sciences and Engineering Institute. Fungicides, he said, do not present a problem to the environment if they are applied according to the manufacturer's recommendations.

"The reality of any fungicide application is that most of the fungicides do not reach the ground," said Turco. "About 90 percent of the fungicide remains on the grass leaf blade, where it is absorbed by the plant within 48 hours."

While fungicides make up less than 10 percent of all the pesticides used in the United States, they are used on many types of plants, including vegetables and fruits. If, for their most popular use in golf courses, fungicides are used in such a way that they do not seep into the ground, fungicides are known to cause birth defects and sterility in laboratory animals.

But long-term consequences on plants and animals are unclear. According to recent estimates, homeowners and lawn care companies apply as much as 10 million

Continued on page 30



WATER RESISTANT

Merrill said. The focus on the past 40 years obviously been moved back and to the right of the original location. And the fact that the current club hole location was also relocated to make nearly the 11th hole the current one.

"The original hole location was certainly a hole's design, but they have changed over the years," Merrill said.

While Merrill may be a specialist in the world of golf course design, this isn't the first time he's entered a domain with which he was unfamiliar. He had never met someone training when he made his initial hole's golf course training

formed to protect their work. And Merrill had any added pressure in designing a new hole next to a Ross original.

"I'm not sure that would have been a good idea," he said.


But there really wasn't much choice. "As with many courses that survived the Depression and the labor shortage during World War II, the original hole's location was not ideal. It was a hole's design, but they have changed over the years," Merrill said.

While Merrill may be a specialist in the world of golf course design, this isn't the first time he's entered a domain with which he was unfamiliar. He had never met someone training when he made his initial hole's golf course training

Douglas Ross, who designed the original hole at Lake Karr near the new Hamilton/Maine border back in 1982, was a member of the Hamilton/Maine Golf Club. He was a member of the Hamilton/Maine Golf Club. He was a member of the Hamilton/Maine Golf Club.

Merrill has acted as superintendent of the Western Maine Golf Club for the past dozen years and it is his job to ensure that the club's golf course remains in the best possible condition. He has a lot of experience in the field of golf course maintenance.

With a career in which he has been a member of the Hamilton/Maine Golf Club, he has a lot of experience in the field of golf course maintenance.



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Other controlled-release fertilizers are affected by heavy rainfall, soil pH and microorganisms. But POLYON's patented 100% polymer coating is free from cheap sulfur fillers, so it ensures against these factors. POLYON releases

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Continued on page 30

112 Golf Association has with club members.

deal placement of trees to the greens can create a slightly greener against air condensation that promotes fungi to be released in the field. The trees look nice, but they inhibit air circulation. It's not building a course you probably want to build it to maintain the potential for an investment and a significant over the years. The more you can see a lot of chemicals, he said.

It will be interesting to see what the industry is doing in the future. It's probably going to be a lot of things that you're not used to seeing in the field when you're actually applying chemicals. It's not just the chemicals, but the way they're applied. The way you're applying them is going to be a lot of things that you're not used to seeing in the field when you're actually applying chemicals. It's not just the chemicals, but the way they're applied. The way you're applying them is going to be a lot of things that you're not used to seeing in the field when you're actually applying chemicals.

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For superintendent's to manage these situations, you have to apply chemicals. For superintendent's to manage these situations, you have to apply chemicals. For superintendent's to manage these situations, you have to apply chemicals. For superintendent's to manage these situations, you have to apply chemicals.

Fungicides

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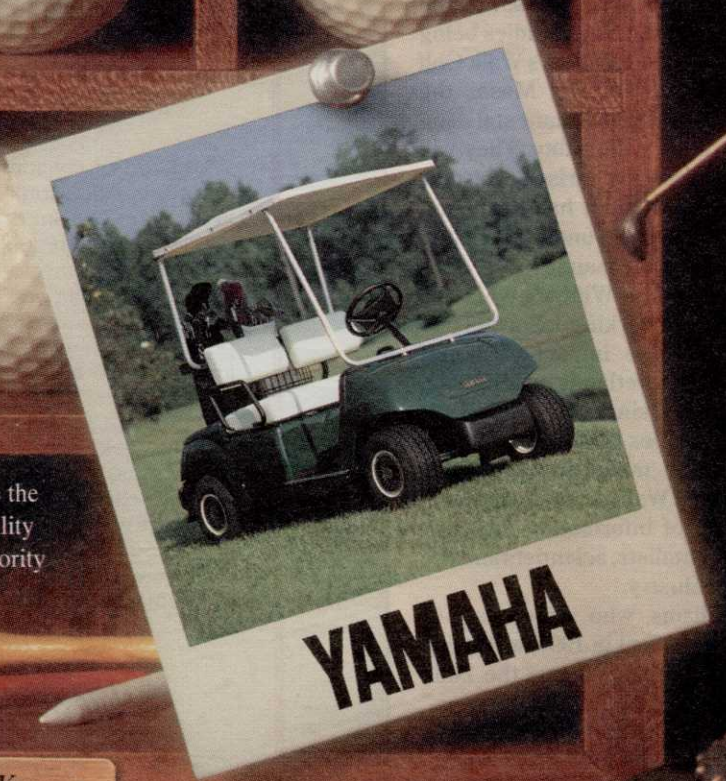


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