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Koban® turf fungicide kills Pythium instantly—on contact.

Keep Koban on hand because, left untreated, Pythium can spread like wildfire.

Koban is the most effective Pythium control available. In over 20 years of use, there's never been a reported case of resistance. It's the brand more and more superintendents are using, because they know

they can trust it, completely.

Koban is available in two convenient formulations—30% wettable powder or 1.3% granular. You can spot apply the granular without interrupting play. And increase the effectiveness of your systemic preventive program by rotating in either formulation at low rates.

Call your Grace-Sierra distributor today. Or for more information call us toll-free at 1-800-492-8255.

And get a case or two of Koban right now. Keep it handy, just like you do a fire extinguisher.

Just in case...

GRACE SIERRA
Tournament Condition
Every Day.



SURF-SIDE WETTING AGENT

ARMEN SUNY

MARSHALL FEARING

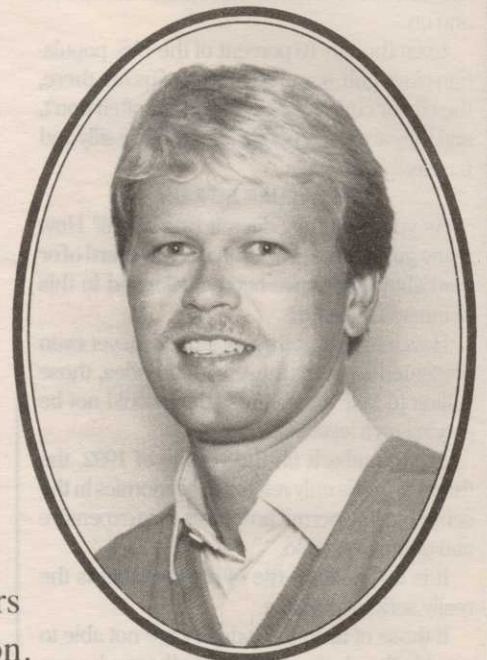


**TOURNAMENT
DIRECTOR**

CASTLE PINES GC

**HOME OF THE INTERNATIONAL
TOURNAMENT, CASTLE ROCK, CO.**

For the "International" we spray everything inside and outside the gallery ropes with Surf-Side #37 and Iron. Our fairway program during the summer is 3-oz Surf-Side/M and 1½-oz Iron/M applied every other week. We don't water-in the application. The Iron mixed with Surf-Side does wonders for the grass! Greens receive 1 qt./M Surf-Side to start season.



**GOLF COURSE
SUPERINTENDENT**

Back in 1986 we had lots of fairway areas that didn't take water well. Localized dry spots were a real problem due to thatchy turf and a clay-gravel soil. With 40 days over 90°F and winds coupled with 15 to 25% humidity the exposed sites dried out rapidly. A program of aeration plus Surf-Side has reduced this problem significantly. At Castle Pines hand watering isn't just hand watering any more . . . any remaining dry areas on fairways are hit with Surf-Side using a quick coupler and a 5-gal tank proportioner containing a premix of 1½ gals Surf-Side #37 to 3½ gals water. This gives us one quart Surf-Side to sixty gallons water applied as a drench. A repeat application usually isn't needed for up to 4 weeks. Our fairways are irrigated twice a week. When conditions warrant we also premix Surf-Side and Iron (with water) in a 50-gal tank and inject this into the irrigation system.

Fairways were originally seeded to Seaside and Astoria bent. Tees and greens to Penncross. We now overseed fairways with Penncross and SR 1020.

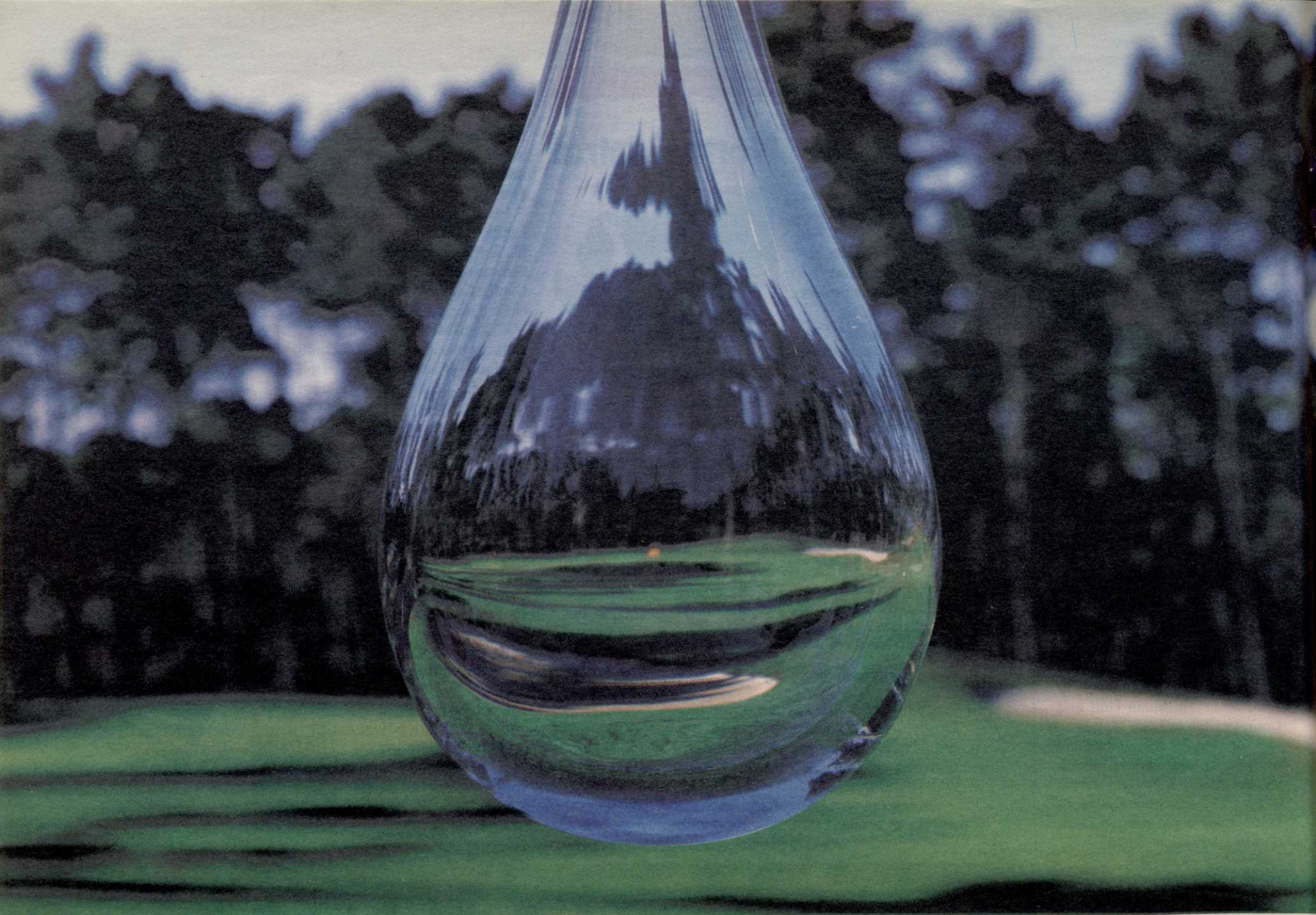


SURF-SIDE DOESN'T BURN, DISCOLOR, OR ROOT PRUNE

ZAP! DEFOAMER

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BLEND 37



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soluble fertilizers. Now, Peters is the standard of excellence for turf and landscape managers, too.

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WATER SOLUBLE FERTILIZERS

GOLF COURSE NEWS

THE NEWSPAPER FOR THE GOLF COURSE INDUSTRY

A UNITED PUBLICATION
VOLUME 3, NUMBER 2
FEBRUARY 1992

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Saluting water solutions

For Gaiety Ranch, its own effluent plant turned the trick; for Ocean Reef, it was ocean water. 17

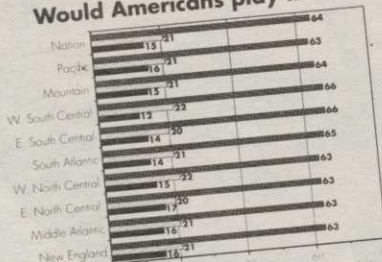
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Would Americans play more?



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TO: HALE IRWIN, PRES.
HALE IRWIN GOLF SERVICES, INC.
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Pages 41-48

Flood devastates Texas courses

By Peter Blais

Jack and Melissa Fletcher stood along the banks of the Brazos River Christmas Eve watching the rain-swollen waters rise at the rate of an inch per hour and drown their nine-hole course.

"It died a slow death," recalled Jack, who helps daughter Melissa manage Valley Lodge Golf Club in Simonton, Texas, 30 miles west of Houston. "It was a very helpless feeling."

Valley Lodge was one of many courses suffering major damage from the heavy rains that deluged eastern Texas in late December and

Continued on page 26



Retreating flood waters left behind massive debris throughout Ridgewood Country Club in Waco, Texas. Photo courtesy of Mandel Brockinton including the 10th fairway.

Strategic plan critical challenge to club managers' association

By Peter Blais

Jack Sullivan found his bride and a career on the golf course.

The new Club Managers Association of America president was a high school teacher in Fairfield, Iowa, when he met wife, Darcy. Darcy's house bordered the fifth tee at Fairfield Golf & Country Club.

The two played a lot of golf together and Jack eventually got a part-time job as the club's assistant manager. He quickly became the club's assistant manager and his career was off and running.

That career has taken him to The Whiconda Club in Des Moines, Iowa, Nakoma Golf Club in Madison, Wis., and his present employer, Grosse Pointe Yacht Club in Grosse Pointe Woods, Mich.

"This is the first time I've been at a club without a golf course," said Sullivan, who came aboard Grosse Pointe in 1987. "Basically, I've traded in the golf course for a harbor. Where I used to worry about green speeds, weather conditions affecting the course and helping the superintendent deal with turf diseases, now I worry about water levels, how

weather conditions affect the fleet and helping the harbor master plan boating activities.

"I grew up in the golf business as a manager and I closely follow the golf industry. I'm still a golfer, although my game has suffered from not having a course out the back door. My handicap used to be in single digits. Now it's up around 18."

"As CMAA president, I represent the entire club industry. Two-thirds of our members manage country clubs with golf courses. As the association goes through our strategic planning process over the next 18 months, what we do will be strongly dictated by the golf industry."

Completing that strategic plan will be Sullivan's primary goal during his

Continued on page 68



Jack Sullivan

Wetlands manual in midst of flux

From staff reports

The long-awaited revision of the Federal Manual for Identifying and Delineating Jurisdictional Wetlands remains on hold and developers have been told to disregard the 1989 manual in favor of the 1987 version.

Mike Kelly, vice president of Williamsburg Environmental Group in Williamsburg, Va., said a revised manual probably will not be completed for another six to 12 months.

"The reason is that environmentalists are up in arms over Bush's wetlands plan," Kelly said. "Hysteria has caused pressure to re-evaluate changes."

Meanwhile, he said, a bill in Congress, introduced by Louisiana Rep. Jimmy Hayes and co-sponsored by more than 145 congressmen, is "moving slowly through the process." Hayes' bill would revamp the whole Clean Water Action Section 404 program and override regulations instituted by government agencies.

The Environmental Protection Agency, Army Corps of Engineers and U.S. Soil Conservation Service — which

Continued on page 13

Stricter pesticide laws in the making

By Peter Blais

A growing number of communities are proposing laws restricting pesticides since last summer's U.S. Supreme Court ruling that federal law cannot stop local governments from regulat-

ing their use.

The result could be thousands of unscientific, contradictory regulations making it harder for golf course superintendents and others in the turf industry to do their job, according to those supporting

recently proposed legislation allowing federal law to preempt local ordinances.

"We are pushing for uniform pesticide laws imposed by federal and state governments based on good science."

Continued on page 19

The most important people in the golf course industry make our front page every month.



People like Hale Irwin. Three time U.S. Open Champion (most recently 1990)

and member of the 1991 U.S. Ryder Cup Team, Hale is president of Hale Irwin Golf Services, Inc. The company, based in St. Louis, Missouri, provides a full range of golf course design and development programs including operations business planning, financing, construction budgeting and management, design, architecture, marketing and promotion.

Irwin calls *Golf Course News*

"informative" with "excellent coverage of controversial issues, as well as timely coverage of all the golf industry news from A to Z."

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GOLF COURSE NEWS

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On a golf course a bad score should be the only thing that stinks.

Foul odors, algae and sludge in golf course ponds are enough to ruin anyone's game. The results of poor water management can be unsightly, smelly and costly.

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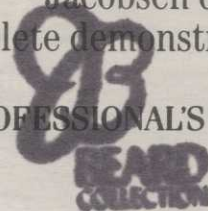
Tough under pressure, Tri-Kings are built to last. For example, our carbon steel blades and self-adjusting tapered roller bearings on the reels deliver extended life, with reduced maintenance. And



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