

## Handbook on IPM for turf released

Lewis publishers has released *Handbook of Integrated Pest Management for Turf and Ornamentals*.

With more than 40 recognized experts, the book details the rationale and benefits of employing an IPM plan, as well as providing technical information on each aspect of plan development.

This handbook integrates research work on pest problems with information on the practical implementation of the tools, and provides case studies of successful operations. Topics covered include the dynamics of the urban landscape, preparation for a healthy landscape, blemishes on the perfect landscape, integrated management of weeds, insects and disease, biological controls (current and those under development), and new generation chemical controls. Additional areas include special considerations for golf courses, and combining the pieces to develop an integrated pest management plan.

It is available for \$95 from Lewis Publishers, 2000 Corporate Blvd., NW, Boca Raton, Fla. 33431: 800-272-7737.

## Off the Record

# UGa data makes aerification decisions easier

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rates of up to 96 percent greater than the compacted control.

Precautions are advisable to avoid injury to existing roots from the vigorous action of the tines of these cultivation tools. From this information, it would appear timing of Verti-drain treatments on a cool-season turfgrass should be done in the early spring and mid-fall just prior to the times of maximum root growth. Warm-season cultivation timing is less critical, but two weeks after spring green-up would be ideal for the most vigorous



Patrick O'Brien

treatment. Summer Verti-drain treatments did reduce root density in the upper 12 inches on Bermudagrass, although Bermudagrass can still continue new root development at this time.

Turfgrass managers now have data from this University of Georgia study to help with aerification decisions on fine-textured soil sites with surface compaction.

A vigorous Verti-drain and core cultivation program can significantly improve turfgrass water use efficiency by enhancing water uptake from deeper soil zones.

## Tour of Duty

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### Tom Alex

reported.

**MADE-FOR-TV PREPARATIONS:** "This is our advertising," Alex said. "We want to make sure it's as pretty and playable as possible. We want it in some of the best conditions the LPGA will play on."

Since NBC will broadcast 3-1/2 hours of coverage, Alex expects "we'll have at least nine holes and cameras to worry about." In late January Alex had a walkthrough to discover where TV cameras would be set up. "We're going to be worried about TV angles — whether it be outside the course, or flowers. If a striping pattern is going toward a camera, we'll make sure it hits it right on."

### Dick Anderson

Bermudagrass was overseeded with ryegrass on tees and fairways and poa trivialis on greens. Poa trivialis is a hardy and fine-bladed grass plant that putts well. Also, the course has 11 miles of cart paths crews have to keep edged and 6-1/2 acres of landscape beds that must be edged and re-mulched.

After the event it takes four to six weeks "to get back to normal" agronomically, Anderson said. "We aerify the trampled areas and add fertilizer to get the grass growing vigorously again.

"But, the biggest thing is the Monday morning after. You come out to the course and no one is here. It's a big let-down. It's like putting on a circus, I guess," he said.

**MADE-FOR-TV PREPARATIONS:** Starting the first of the year, crews every two weeks treat the overseeded areas with chelated iron and liquid fertilizer for consistent color throughout the course.

Also six weeks out, they start burning in the fairway striping and begin rolling the greens every third day. On tournament week they double cut and roll daily.

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