

ing the Rubigan program to prevent germination. On the rest of the course, we make a fall application of Barricade sparged on fertilizer around November 1st. I have eliminated the Spring preemergent application because the turf just didn't seem to be responding as well coming out of winter.

Now, instead of coring the turf stressed by much winter play, we spike two ways with a 6 inch deep spiker and fertilize to promote a healthy turf. The open coring holes in the spring were providing too many opportunities for weed invasion. We have a lot of localized wear areas caused by our walking golfers. We fertilize these areas monthly with high Potassium formulations to keep the turf roots healthy.

Like many of my peers, yellow nutsedge has been my biggest headache. One application of Basagran at 2 Quarts/Acre is usually sufficient unless it is a really thick patch. In that case, we re-treat at the prescribed interval. On some of our heavily infested ditch banks, we use a

tank mix of Image (1 Qt/A) and MSMA (1 Qt/A).

We spot treat goosegrass plants located through the green with Sencor. If we find unacceptable populations of goosegrass on the greens or tees, they are treated with Illoxan.

*Joe Ondo, CGCS  
Winter Pines G.C.  
Winter Park, Fla.*

## Managing Weeds in Different Turf Types, Ornamental Grasses

We have two distinctly different golf courses here at Bonnet Creek which gives us different challenges in weed control. One element they share along with the clubhouse grounds is an extensive use of ornamental grasses like cordgrass and Gulf Muhly. Weed seeds sprout along the bed borders and in the grass clumps themselves. We use a tank mix of Basagran

and Pre-M or Round Up along the bed edges and we spray over the top with light rates of Southern Formula Trimec for broadleaf weeds.

The target golf concept on the Eagle Pines course means that there are large areas of bare ground or pine straw that offer potential breeding ground for weeds. A regular preemergent program is necessary to keep the weed populations down. We use Gallery and Snapshot in these areas as well as the sparse "natural" tee slopes that are planted in Gulf Muhly.

Part of the design concept of Eagle Pines was to use different grasses for textural contrasts. Delmar St. Augustine was used around all the bunker complexes in the fairways and around the greens. The St. Augustine requires different chemicals than the neighboring bermudagrass. Great care must be taken not to overspray one or the other turf types with the other's chemical. This can prove to be labor intensive. When we get bermudagrass invading the St. Augustine, there is not too much available that will take it out safely.



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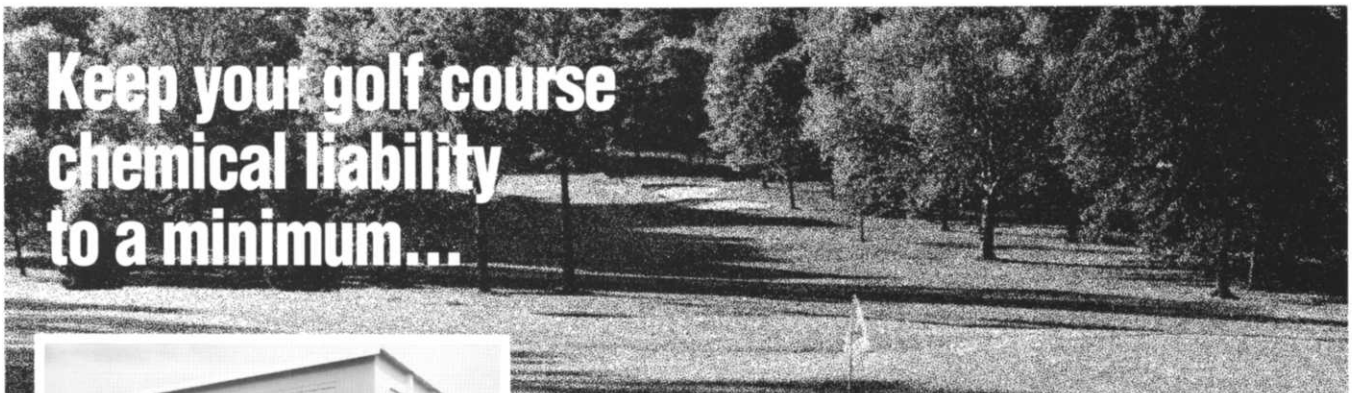
Weed encroachment in native grass plantings can be controlled with over-the-top spraying when necessary.

On the Osprey Ridge course, our biggest problem is crabgrass patches in the roughs, slopes, and bunker faces. The invasion by the weeds seems to follow animal and insect burrowing that creates bare ground situations. We spot treat with Sencor.

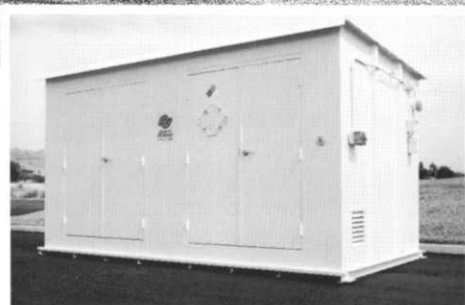
We apply a preemergent to our greens and tees slopes to eliminate germination by scattered overseeding. We have used Barricade in the past. This year we are trying Surflan. We treated all 36 fairways with Surflan because we overseeded our roughs for the first time since we opened. In previous years we Kerbed a few problem fairways that had *Poa annua*.

We have a large Confederate Jasmine bed on a steep slope behind the clubhouse. Weed encroachment was unmanageable until we started spraying over the top with Ornamec at 2.5 ounce per gallon.

Scott Welder  
Bonnet Creek G.C.  
Lake Buena Vista, Fla.



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