

-Bill Bird Oklahoma City, Okla.







April 1st. We had absolutely no poa annua in our fairways until almost the first of December. We were a little late this year-around April 10th-but we're clean so far."

As in the North, the lawn care industry in the South needs a preemergence product that fits their treatment cycles. The longer residual and improved goosegrass control of XL gives lawn care companies improved weed control for their customers. An XL

application in February yields effective control of both spring and summer weeds.

If a sprayable formulation is preferrable to a granular application, lawn care companies can use Surflan® flowable formulation (for bermudagrass only). Surflan can be applied in the spring for crabgrass and goosegrass control or in the fall for poa annua control. Surflan is available in quarts and gallons from Elanco.



Controlling turf diseases

Preventative maintenance is not only an issue when dealing with annual grass and weed control. The same concept holds true when dealing with turf disease control. Preventative measures for dealing with diseases of the turf allow the turf manager to control the turf pathogens before they reach the visible symptom state, when control measures become more costly, not to mention the fact that the damage is already evident, unsightly and detrimental to the health of the overall stand of turf.

But preventative characteristics are not the only important aspect when choosing a turf fungicide. Spectrum of control is also an important issue. Does the fungicide control the major turf pathogens such as dollarspot and brown patch? Furthermore, does the fungicide remain effective throughout the vulnerable period of the turfgrass?

These are the primary concerns of both golf course superintendents and lawn care companies. If a fungicide



'I can apply Rubigan closer to my overseeding dates and not affect the seedlings.'

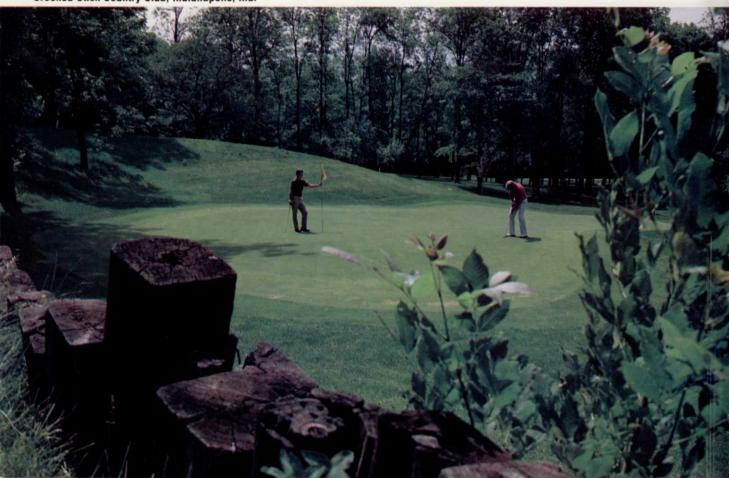
> —Jim Ellison Orlando, Fla.

meets these qualifications, the turf manager should use it. One such fungicide meets these qualifications and also helps manage the populations of annual bluegrasses, a problem weed in both cool-season turf and winter overseeded turf in the south.

Rubigan® 50W is a locally systemic fungicide offering effective control of dollarspot, Fusarium blight, stripe smut, pink and gray snow mold, and is active on large brown patch—activity that can be enhanced with a Daconil 2787 tankmix. In four years of field use, users report excellent control of dollarspot. For only 10 to 14 cents per 1,000 square feet per day of control, Rubigan offers economical control of dollarspot, even resistant dollarspot. Rubigan's multisites of inhibition also help reduce the worry of pathogens developing resistance to Rubigan treatments.

An extra benefit of *Rubigan* to coolseason turfgrass managers is the gradual reduction of poa annua, reduction that

Crooked Stick Country Club, Indianapolis, Ind.





'On most greens, we've had 100 percent control.'

—Stan Wreyford Mansfield, Tex.

can only be achieved with cumulative rates of two to three ounces per 1,000 square feet and proper management practices. With *Rubigan*, turf managers can maintain disease-free poa or gradually reduce it. It's their choice.

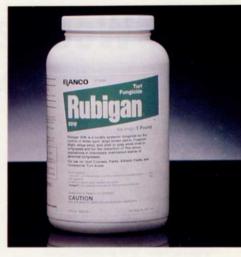
Rubigan is safe on all commonlygrown turf species when used at recommended rates. Furthermore, application rates are considerably less than conventional fungicides, requiring less storage and handling.

In southern turf species, Rubigan provides fungicidal control and season-long elimination of annual bluegrass. No deactivation of Rubigan with activated charcoal is required before overseeding as is the case with preemergence herbicides, offering considerably greater seed germination safety.

Stan Wreyford of Walnut Creek
Country Club in Mansfield, Tex., has
nothing but compliments for the makers
of Rubigan. "It does one fine job," he
says. "We went in with Rubigan last year
for the first time. Our overseeded greens
had at least 50 percent poa annua. We've
had at least 95 percent control, and on
most of the greens it's 100 percent.

"We've had a lot of positive comments, mostly on the greens' appearance. The golfers are also saying that they're putting better now, too. Even though that's mostly psychological, if that's what they believe, they're the ones that count."

Rubigan's activity on poa annua in northern cool-season turf is also being realized by golf course superintendents. Joe Norris of Jamestown Park Golf



Course, Jamestown, N.Y., agrees. "I've never been loaded with poa annua, but *Rubigan* has gotten rid of what I had," he says. "It seems to be working real well. I plan to keep on using it."

And Jimmy Ellison of Bay Hill Country Club, Orlando, Fla. has special uses for *Rubigan*.

"It works well with our program because we're a golf resort," Ellison says. "I can break up the rates—a little bit now, a little bit later—and still get effective control on my greens. I can also apply it closer to my overseeding dates and not affect the seedlings."

Martin Marietta plant, Orlando, Fla.

Weed and disease control for ornamentals

The one single most important responsibility of the landscape manager is preserving the intended impact of the landscape design. Each plant has its place and purpose. Rising labor costs have made hand work previously necessary for proper design preservation and weed control impractical. The choice becomes one of fewer plant beds or replacing labor with preemergence ornamental herbicides.

Labor-saving tricks used by nurserymen for years are now spreading into landscape maintenance. Season-long control of grassy and broadleaf weeds in more than 150 species of ornamentals is possible with *Surflan* and *Treflan*®.

Surflan is a sprayable formulation that is safe to apply over the top of ornamentals. Treflan is a granular formulation offering the most economical control of annual grass and broadleaf weeds in ornamentals. Considerable labor savings result from the use of these preemergence herbicides in ornamentals.

"I use Surflan and Treflan in our flower beds," notes Joe Volk of Alliance Country Club, Alliance, Ohio. "We have no weeds in our beds, so I know that they're working. Their efficiency has saved us a lot of time and money."

Weed control may preserve the landscape design, but disease control preserves the sensitive plants sometimes used in landscape architecture. One of the most devastating diseases of ornamentals is powdery mildew. Dust wettable powder fungicide formulations are an unsightly solution to powdery

'We have no weeds in our beds, so I know Surflan and Treflan are working.'

> —Joe Volk Alliance, Ohio



Commercial landscape in a warm-weather locale







mildew control in that the cure is almost worse than the disease.

Locally systemic fungicides, such as Rubigan EC, are rapidly absorbed and utilized by ornamentals to prevent and control powdery mildew. Rubigan's long residual activity eliminates the need for weekly fungicide applications common

with many fungicides. Without damage to ornamentals and roses by powdery mildew, they remain as beautiful as they are popular.



New ways to keep your landscape picture perfect

Aquatic weeds are not only unsightly, costly and upsetting to nature's balance, they have been extremely difficult to control—until Sonar®* came along. Sonar is a completely new kind of aquatic weed control product. It's the first one that controls hydrilla and other problem weeds without affecting water quality or wildlife.

Unlike previously available products, Sonar carries no label restrictions against fishing, swimming, or drinking treated water, which allows this herbicide to be used without interrupting water use. It has no detrimental effects on fish, game birds, insects or other organisms such as plankton, and it is not harmful to nearby trees and shrubs that are not growing in the water.

In lakes and reservoirs across the United States, *Sonar* has demonstrated its effectiveness on a variety of aquatic weeds while, with proper application design, often leaving desirable populations of native plants. One application has lasted from one to two years, showing *Sonar* to be an economical method of long-lasting weed control.

In an extensive evaluation program



Before-and-after photos of what Sonar can do for lakes and ponds





under an experimental use permit, Sonar has reduced hydrilla despite an increasing infestation of this plant elsewhere. In Florida, Sonar has been proven in testing to be extremely effective on hydrilla. One treatment with this product removed hydrilla from areas which had been choked with this persistent weed for more than five years.

Even with its wide spectrum, Sonar can be used selectively, removing unwanted exotic plant species while leaving desired populations of native species, depending on timing, rate of application, and other management factors.

Besides hydrilla, Sonar controls a wide range of submersed and emersed plants and shoreline grasses. This includes members of the families of watermilfoil, pondweed, duckweed, waterlily, paragrass and reed canary grass. Sonar does not control algae.

Sonar works by causing a bleaching or chlorosis at the terminal bud or growing points of the plants. With growth checked by Sonar, the target plants slowly deteriorate without any shock to the water environment.

Sonar is available in both liquid and pellet forms to fit any available application equipment. Because of its concentrated formulation, applicators report they can treat large areas quickly, covering 100 acres or more per day with an airboat, even more with aerial application.

*EPA registration of Sonar is pending. Check with your Elanco representative to determine when Sonar becomes registered for sale and use in the U.S. Rubigan is the best value for dollar spot, and it effectively controls fusarium blight, snow mold, stripe smut and is active on large brown patch when used with a Daconil 2787® tank mix.

Four years of field use show excellent control of dollar spot—even resistant dollar spot, at only 10-14 cents per 1,000 square feet per day of control.

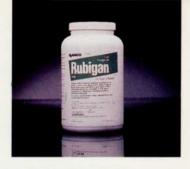
For gradual reduction of *Poa annua* use cumulative rates of 2-3 oz./1,000 square feet

and proper management practices. With Rubigan, you can maintain disease-free *Poa* or gradually reduce it.

For more information, call your distributor or write:

Elanco Products Company A Division of Eli Lilly and Company Dept. E-455, Indianapolis, IN 46285, U.S.A.

Rubigan®—(fenarimol, Elanco Products Company)
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And you get more for your dollar.



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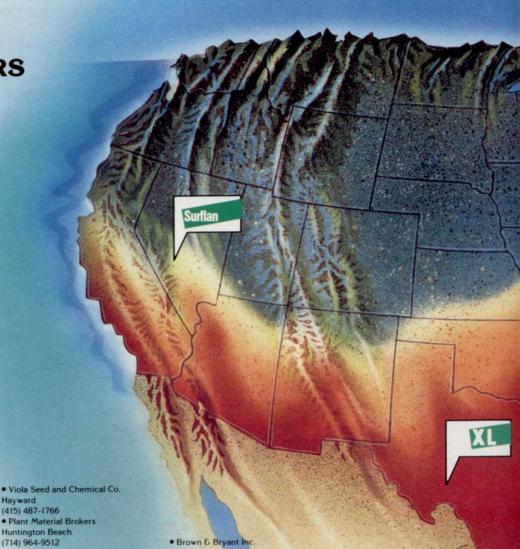
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