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A GUIDE TO LANDSCAPE MANAGEMENT



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New Team spreads very easily. The clay carrier makes equipment calibration simpler

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Put down new Team™ this spring.

Or put up with crabgrass and goosegrass this summer.

A GUIDE TO LANDSCAPE MANAGEMENT CONTENTS

The science of landscape management today is more of planning ahead than reacting to problems. Products that prevent weed problems with predictable control have replaced emergencies. When curative products are required, the problem is often less serious when preventative measures were originally taken than if they were not. Advances in preventative products, such as preemergence herbicides, have improved the predictability of results landscape managers depend on. These advances include longer length of control, control of a wider range of target pests or weeds, and products designed to fit the needs of various regions of the country depending on climactic conditions.

Preemergence herbicides and combinations of preemergence herbicides with fertilizers and other compounds provide labor savings and more precise control, allowing landscape managers to more fully utilize their time and resource allocations.

With this new technology, the landscape manager must establish new standards by which to compare products. Cost per package is no longer a sufficient comparison. Lower rates per acre, longer length of control, broader spectrum of control, and greater effectiveness and residual must be figured into the equation.

New compounds are more effective in smaller quantities, reflecting a concern for the environment and resulting in significant savings to the landscape manager in storage, shipping and application. These compounds provide the landscape manager and golf course superintendent with products that fit their management needs. They are also more controllable and dependable, and help satisfy the public's concerns regarding the environment. These are the products of the future.

Jerry Roche
Editor



Weed prevention in cool-season grasses

In cool-season weed control, an ounce of prevention is truly worth a pound of cure.

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Weed prevention in warm-season grasses

Southern turf managers no longer need to adapt cool-season weed controls to their warm-season turf.

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Controlling turf diseases

Preventative characteristics and spectrum of control are of utmost importance.

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Weed and disease control for ornamentals

How to preserve the intended impact of the landscape design with preemergence herbicides.

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Keeping landscapes picture perfect

Controlling unsightly and costly aquatic weeds that upset nature's balance.

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Weed prevention in cool-season grasses

Each year, unwanted grass and broadleaf weeds are a multimillion dollar problem. They rob beauty from lawns, golf courses and landscaped areas; steal water, nutrients and profits; and squander millions of dollars in labor as workers try to remove them.

But in weed control, an ounce of prevention truly is worth a pound of cure. That's why more and more professionals are using preemergence herbicide programs to control weed problems before they get started.

Turf management practices differ according to the turfgrass manager's needs. Length and spectrum of control are two of the most important variables turfgrass managers must decide upon when choosing a preemergence herbicide. For the turf manager who wants control of specific problem weeds such as crabgrass in the spring, or poa annua in the fall, the full season preemergence herbicide may not be necessary. Control of the target species



'If you time it right, it'll work fine. Timing is the key.'

—Joe Norris
Jamestown, N.Y.

is the concern. A herbicide that offers this control with a predictable length of residual control in the soil would be the best value to him and less costly than the full season control products. The predictable length of control also allows him to control the target weeds and still utilize cultural practices such as

Moila Country Club, St. Joseph, Mo.



reseeding or overseeding without concerns for germination of the desirable grass seeds.

The eight- to ten-week control with a single application of *Balan*® offers excellent crabgrass and poa annua control with maximum overseeding safety. This predictable length of control offers the turf manager flexibility to utilize the cultural practices he needs to maintain the best growing environment.

Balan is available in a granular formulation from Elanco or sprayable formulations and fertilizer combinations from formulators. "I use *Balan* on all our tees, and we have 27 of them with 18 more opening soon," says Ed Benoit of Shadow Lake Country Club, Penfield, N.Y. "We're getting good results. I keep using the Elanco products, so they've got to be working. We have by far the most beautiful public course around, and Elanco products are helping to keep us beautiful."

On the other hand, some turf managers need a longer length of control. Golf course superintendents desiring crabgrass and goosegrass control, and lawn care operators who apply preemergence herbicides early in the season on their first rounds need a product with a longer residual. Cool season turf managers now have a



product that fits this need in a new product from Elanco, called *Team*™. *Team* offers a longer residual with effective crabgrass and goosegrass control at an affordable price.

"I just started using *Team* this year, and it looks like it's doing a pretty good job," says Joe Norris of Jamestown Park

Golf Course, Jamestown, N.Y. "If you time it right, it'll work fine. Timing is the key."

Team is now available on an easy-to-spread clay particle from Elanco. *Team* sprayable and *Team* in combination with granular fertilizers will be available in early 1986 through selected formulators.

Liquid-applied weed control on home lawns



Weed prevention in warm-season grasses

For years, southern turf managers have had to take products developed for northern turf and adapt them to their situation. Today, a number of products have been introduced specifically for warm-season turf maintenance.

The southern turf season is considerably longer than its northern counterpart. Management programs for both warm-season turf and winter overseeded turf are necessary. Preemergence herbicides, such as *Balan*, have long played an important role in both programs.

Southern turf managers typically apply preemergence herbicides in February or early March for crabgrass, barnyardgrass, and foxtail control. In June, they re-apply for goosegrass control. Finally, annual bluegrass is a threat from October through December.

In addition to length of control, preemergence herbicides vary in their effectiveness on target weeds. *Balan* has shown consistent effectiveness against



'My fairways and tees are just as clean as can be.'

—Harold Neal
Tulsa, Okla.

crabgrass and poa annua.

"This is the fifth year we've used two applications of *Balan* a year," notes Harold Neal of Tulsa Country Club, Tulsa, Okla. "My fairways and tees are just as clean as can be. We don't use any postemergence products at all, we've had such good success with *Balan*. And, we've also been using *XL*TM on problem goosegrass areas and get great control."

To meet the need for highly effective crabgrass and goosegrass control with one application, Elanco recently introduced *XL*. *XL* offers a longer residual and allows turf managers to control crabgrass and goosegrass with only one application timed premerge in the early spring.

Neal reports "great control" of problem goosegrass areas using *XL*, as does Bill Bird of The Greens Country Club, Oklahoma City, Okla.

"We have no weeds whatsoever," Bird says. "We used it last year under an experimental label, applying it around

Bay Hill Country Club, Orlando, Fla.

