



Goosegrass



Crabgrass

copy return the coupon,
 or call our toll-free
 number. And start sav-
 ing some wear and
 tear on your herbicide
 applicator.

Send me the following Management
 Guide(s): Cool Season, Warm
 Season, Nursery
 and Landscape.

Mail To:
 DowElanco, P.O.
 Box 3064, Cedar Rapids,
 IA 52406. Or call:
 1-800-729-3693 ext. 2492.



Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone (____) _____

The chemistry is right.™

*Trademark of DowElanco. ©1992 DowElanco 03

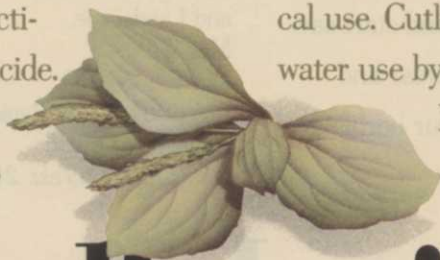
for people interested in



Nothing controls weeds in turfgrass better than turfgrass itself. That's because thick, healthy turfgrass doesn't give weeds any room to grow.

from insects and disease, you'll need less insecticide and fungicide. All of which means Cutless

can reduce your overall chemical use. Cutless also reduces water use by up to 30 percent. Makes turfgrass more drought-



Why live with a few less weeds to live with a few less chemicals

So, if you make your turfgrass thicker and healthier, you won't need as much herbicide.

One good way to do it is by adding Cutless* turf growth regulator to your maintenance program. Cutless makes turf thicker and more competitive by slowing its growth while encouraging more tillers and stolons. It also inhibits weed growth. This results in a gradual crowding out of weeds.



And because your turf is thicker, healthier turf will be more resistant to damage



tolerant. Reduces mowing by about a third. Cuts clippings by about two thirds. And makes



greens faster and fairways more playable.

Plus, Cutless can help you gradually convert *Poa*

80 percent *Poa* on his fairways to 90 percent bentgrass over a five-year period.

There are many things you can do to grow thicker, healthier

Why more weeds in order chemicals?

annua to more desirable turf-grass species. It helped one golf course superintendent go from

turf. They're explained in our 44-page book, The Turf Manager's Guide To Responsible Pest Management. It'll also show you better

ways to control insects and turf diseases. For a free copy return the coupon, or call our toll-free number. Because a thick blanket of turf doesn't need a thick blanket of chemicals.



Thicker turf crowds out weeds, reducing the need for herbicide.

Send me the following Management Guide(s):

- Cool Season,
 Warm Season,
 Nursery and Landscape.

Mail To: DowElanco, P.O. Box 3064, Cedar Rapids, IA 52406. Or call 1-800-729-3693 ext. 2492.

Name

Company

Address

City State Zip

Phone ()



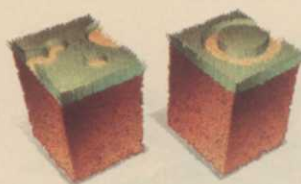
The chemistry is right.™

*Trademark of DowElanco. ©1992 DowElanco 03



We're talking about a control program that's very hard on fungus, yet very easy on your turfgrass. Some things you can do to reduce turf stress, use

less fungicide and still get an excellent level of control.



Rubigan controls all five patch diseases, making diagnosis less critical.

It starts with cultural practices. Like replanting disease-prone areas with resistant

cultivars. Careful watering. Providing adequate fertilizer. And removing thatch. They'll make your turf less susceptible to disease, which means you can use less

Just imagine. A a stranglehold on fungus



fungicide to protect it.

Knowing when to use a fungicide is important, too. By watching for conditions in which turf diseases thrive (weather patterns and soil temperature



fewer applications.

And, of course, it helps to choose your fungicide carefully.

Fungus attacks plants from within. The results can be devastating.

Gentle, long-lasting Rubigan* fungicide is a very

Pest Management. It also contains complete "how to" information on tactics you can use to control weeds and insects more responsibly. For a free copy just return the coupon below, or call our toll-free tele-

kind, gentler way to get

S. provide some very reliable signs), you can put down fungicide with perfect timing, and make

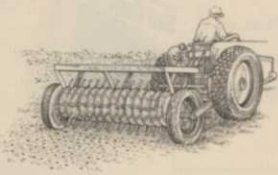
good choice. It controls 14 diseases, including dollar spot, necrotic ring spot and summer patch. It's very easy on your turf. And it lasts longer than other fungicides, which

phone number. And learn some very nice alternatives to applying a lot of fungicide.



A Short Course On Preventing Dollar Spot.

Leading universities recommend the following cultural practices to protect your turf from dollar spot. Eliminate excess thatch. Provide proper aeration. Increase nitrogen. Remove dew and water deeply and infrequently in the early morning (taking steps to keep your turf dry reduces the risk of dollar spot).



means you don't have to apply it as often.

For brown patch, you can use Broadway* fungicide. Its two modes of action provide excellent brown patch control. It also controls a dozen other turf diseases. It's easy on your turf. And its long-lasting action means fewer applications.

Of course, there's a lot more to fungus control than what we could fit in this ad. You'll find it in our 44-page book, The Turf Manager's Guide To Responsible

Rubigan and Broadway last longer than other fungicides, so you don't have to apply them as often.

Send me the following Management Guide(s):
 Cool Season,
 Warm Season,
 Nursery and Landscape.
Mail To: DowElanco, P.O. Box 3064, Cedar Rapids, IA 52406. Or call 1-800-729-3693 ext. 2492.



Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Phone (____) _____

The chemistry is right.™

*Trademark of DowElanco. ©1992 DowElanco 03



What you're looking at is a way to go an entire season on a single herbicide application—a control zone in the top inch of soil that keeps weeds from

one application gives you up to eight full months of control. If you like what Surflan does, but prefer a granular form, you can use XL* herbicide. It



our 40-page book, The Nursery And Landscape Guide To Responsible Pest Management. It also contains information on better ways to con-



Actually, the mo this picture is contai

germinating all season long. It can greatly reduce your use of post-emergence herbicides and hand-weeding in your ornamentals.

contains the same active ingredient as Surflan. Apply it in the spring, and you'll get a full season of broad-spectrum grassy weed

How To Make Your First Roundup Your Last Roundup.

Here's a way to make your first application of Roundup herbicide last all season. Mix 3 oz. of Surflan per 1000 square feet with ¾ oz. of Roundup per gallon of water and apply when weeds are less than 6" tall. Roundup will knock the weeds down, and Surflan will keep them from coming back for the rest of the season.



We have three different pre-emergence herbicides that make this possible. All of them are very gentle on your plants. And they bind tightly to soil particles, which makes them very resistant to leaching.

control. And for woody ornamentals, you can use Snapshot* herbicide. It controls both grassy and broadleaf weeds. A single application lasts up to eight months. And it's available as a sprayable or in a granular form.



Our preemergence herbicides set up a gentle control zone that keeps weeds from germinating all season.

If you're looking for grassy weed control, you can use Surflan* preemergence herbicide. Surflan is, in fact, so gentle that you can spray it directly over the top of delicate ornamentals. Yet

We can show you lots of ways to control weeds more safely and effectively. They're explained in





Control insects and diseases.

For a free copy mail the coupon, or call our toll-free number.

Because you don't need a lot of herbicide to get beautiful results.

Send me the following Management Guide(s): Cool Season, Warm Season, Nursery and Landscape.
Mail To: DowElanco, P.O. Box 3064, Cedar Rapids, IA 52406. Or call: 1-800-729-3693 ext. 2492.



Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Phone (____) _____

The chemistry is right.™

*Trademark of DowElanco. ©1992 DowElanco 03

st beautiful thing about ned in the top 1" of soil.



 DowElanco

You might think using less insecticide means you'll have to put up with more insects. But that's not necessarily the case. Because *how* you use your insecticide is as important as *how much* you use. With

the right tactics, you can use a lot less and still get excellent results.

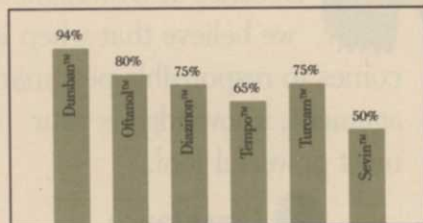
Here's a good example. By mixing insecticide with insecticidal soap, you can reduce the amount of insecticide you need on your

ornamentals by about fifty percent. Insecticidal soap controls most soft-bodied insects and mites. By adding insecticide, you'll also take care of tougher insects, like scales and worms. University studies



A few ways to balance with your love for the env





Studies show that Dursban delivers better chinch bug control at lower rates than other insecticides.

suggest you may get better control than you get with insecticide alone.

Knowing exactly when to apply insecticide helps, too. For example, adult black turfgrass aetinius are

cide gives you so much control at such a low rate. It's available in water-soluble packets. And it can be bio-monitored, which can reduce the likelihood of over-exposure.

Now, we realize you probably

Once your hate for insects ironment.

first present at the same time the black locust tree blooms. Make your insecticide application then, and you'll get the most efficient, effective control.

Your insecticide it-

have some questions. That's why we created The Turf Manager's Guide To Responsible Pest Manage-

ment. It's 44 pages packed with

information on the latest tech-

niques for

controlling

insects,

weeds and

turf diseases.

For a free copy,

just return

the coupon, or call our toll-free telephone number.

Because when you apply a little knowledge, you don't need to apply as much insecticide.

Send me the following Management Guide(s):

- Cool Season, Warm Season, Nursery and Landscape.

Mail To: DowElanco, P.O. Box 3064, Cedar Rapids, IA 52406. Or call: 1-800-729-3693 ext. 2492.

Name _____

Company _____

Address _____

City _____ State _____

Zip _____ Phone (____) _____

The chemistry is right.™

Dursban is available in liquid, dry flowable, granular and fertilizer formulations. *Trademark of DowElanco. ©1992 DowElanco. 03



Why Adults Should Spend Time Catching Bugs.

If you want better results from the insecticide you use, insect traps can help. They allow you to find out when certain pest insects are present and time your insecticide applications accordingly. Insect traps are inexpensive, easy to use, and they'll help you get greater control using less insecticide.



self can also make a difference.

After all, different insecticides work at different rates. Which is why Dursban* insecticide could be your best choice.

Just one pound active ingredient per acre controls chinch bugs, billbugs, sod webworms and a host of other insects. No other insecti-



What you've read on the preceding pages only begins to outline a responsible pest management program.


You'll find a lot more in our guides to responsible pest management (see

coupon on previous page), and in the literature listed below.

If you have questions on our products, call one of our technical specialists at 1-800-352-6776. We'll be happy to help you out.



Because at DowElanco, we believe that when it comes to responsible pest management, knowledge is your most powerful tool.

 **DowElanco**
The chemistry is right.™

*Trademark of DowElanco. ©1992 DowElanco

If we've piqued your interest, keep reading.

The literature below is some of the best information you can get on responsible pest management. Check your state university or write the publisher to find out where it's available.

Johnson, W.T. and H.H. Lyon. 1988. Insects That Feed on Trees and Shrubs. 2nd Ed. Cornell University Press, Ithaca, NY. 556 pp.

Tashiro, H. 1987. Turfgrass Insects of the United States and Canada. Cornell University Press, Ithaca, NY. 391 pp.

Niemczyk, H.D. 1981. Destructive Turf Insects. HDN Books, Wooster, OH. 48 pp.

Decker, H.F. and J.M. Decker, 1988. Lawn Care: A Handbook for Professionals. Prentice-Hall, Inc. 270 pp.

Pirone, P.P. 1978. Diseases and Pests of Ornamental Plants. 5th Ed. John Wiley & Sons, Inc. 565 pp.

Ware, G.W. 1988. Complete Guide to Pest Control With and Without Chemicals. Thomson Publications, Fresno, CA. 304 pp.

Beard, J.B. 1982. Turf Management for Golf Courses. Macmillan Publishing Co. 642 pp.

Turgeon, A.J. 1985. Turfgrass Management. Prentice Hall, Inc. 416 pp.

Smiley, R.W. 1983. Compendium of Turfgrass Diseases. American Phytopathology Society, St. Paul, MN. 102 pp.

Sadof, C.S. 1990. Ornamental Insects: Recommendations for Managing Insects on Shade Trees and Shrubs. Purdue University Coop. Ext. Ser. Pub. E-41. 48 pp.

Ascerno, M.E. 1991. Insect Phenology and Integrated Pest Management. J. Arboriculture, 17: 13-15.

Orton, D.A. 1989. Coincide: The Orton System of Pest Management. Plantsmens Publications, Flossmoor, IL. 189 pp.

Metcalf, R.L. and Luckmann. 1975. Introduction to Insect Pest Management. John Wiley and Sons. 587 pp.

Smith, E.M. 1991. 1991 Chemical Weed Control in Commercial Nursery & Landscape Plantings. Ohio Coop. Ext. Serv. Pub. No. MM-297. 20 pp.

Price, R.P. 1986. Nursery and Landscape Weed Control Manual. Thomson Publications, Fresno, CA. 264 pp.

