



Dacthal®

Start your Total Turf Care this year with Dacthal W-75 herbicide. Or use the convenient 5 percent granular form if you like.

Dacthal gets the jump on most annual grasses and broadleaf weeds. This preemergence herbicide prevents weeds as they germinate. Crabgrass and *Poa annua* don't have a chance. Yet, Dacthal is a truly selective herbicide that will not affect established grass. It's even safe for new grass when used according to label directions.

Just one application in early spring will control weeds for a full season. In the case of *Poa annua*, another application in late summer keeps this late germinating pest out of sight.

Don't worry about residue build-up either. Dacthal degrades in one season; it's not persistent in the soil.

Dacamine®

For those areas where broadleaf weeds are a problem, use Dacamine Turf herbicide to sustain your Total Turf Care. Postemergent Dacamine kills dandelion, plantain, poison ivy and most other broadleaf weeds.

FREE!

Get this Total Turf Care dial to help you solve many turf problems. Just a twist of the wrist helps you identify a problem and select a treatment. Send the coupon today for your Total Turf Care dial. Always remember to follow the label directions when using any chemical.

Get a full course of protection against weeds and disease.

Dacamine is a special form of 2,4-D, non-volatile, yet very effective. It combines the weed-killing power of an ester with the safety of an amine. So Dacamine stays put—kills the weeds you spray it on but won't vaporize and damage valuable plants nearby.

Dacamine is an oil soluble concentrate. This allows it to penetrate waxy leaves and move all the way to the roots—killing the whole plant.

Daconil 2787®

Total Turf Care includes broadspectrum disease control. Daconil 2787 is the one fungicide that solves most disease problems. Why use a group of fungicides to do what Daconil 2787 can do by itself?

Use Daconil 2787 to prevent or cure: Brown Patch, Copper Spot, Dollar Spot, Leaf Spot, Melting Out, Pink Snow Mold (in Washington and Oregon only) and more. Many leading golf courses use Daconil 2787 in their disease prevention program.

Daconil 2787 has performed well on over 25 grass species and varieties. Excellent turf tolerance allows you to use it even in hot, humid weather.

Just mix Daconil 2787 with water and spray. You don't need a surfactant. It's compatible with many commonly-used pesticides. Follow label directions for exact usage.

Daconate®

Round out your Total Turf Care with Daconate postemergence herbicide. Get those escape weeds that slipped by your preemerge. Daconate will effectively control crabgrass, chickweed, wood sorrel and other hard-to-kill weeds. It's economical, too.

Daconate is a ready-to-use arsonate liquid, pre-mixed with the right amount of surfactant for maximum coverage and control. Since it is an organic arsenic compound, it does not have the more toxic properties of inorganic arsenic compounds, such as calcium or lead arsenate. For best results, spray Daconate during warm weather when weeds are actively growing.

Be Diamond Sure!

Diamond St 300 Union	Chemicals D namrock Chemic Commerce Buil Ohio 44115	cal Company
Gentlemen: Total Turf C	Please send me. Care dials.	
Name		
Position		
Street or PC	Box	
City	State	Zip









Meet two hard-working turf-care specialists. Art Marston. And the F133.

Art knows a good five-gang mower when he sees it. He has to know because he's an independent businessman with Northwest Mower, Inc. in Seattle, Washington. So when he recommends the Jacobsen F133, you know he's done his homework. And, like the rest of us Jacobsen Distributors, his recommendation is backed by some pretty solid thinking.

To start with, this husky F133 mowing tractor cruises through those big, tough mowing areas at up to 6 mph. It cuts a wide, 11' swath. What this means is that one man and an F133 can mow 40 to 50 acres in a single 8-hour day.

Where? Schools. Parks. Cemeteries. Golf courses. Apartment complexes. Industrial sites. You name it.

Not only that, it always makes a smooth cut, even on slopes. Follow-up trimming with a hand mower is minimized because it can get into tight places for close mowing. Like around bushes, trees and buildings.

It's also got a lot of features that keep the guy happy who has to use it. Like a bucket seat, foot controlled hydrostatic drive, variable cutting frequencies, and the new, optional hydraulic system that lifts all the reels at once for transport. And, for getting into tighter cutting areas it can be quickly converted into a three-gang mower.

So talk to your Jacobsen Distributor about how to tackle those big mowing jobs. You can bet that his answers will match your questions.

Your Jacobsen Distributors.

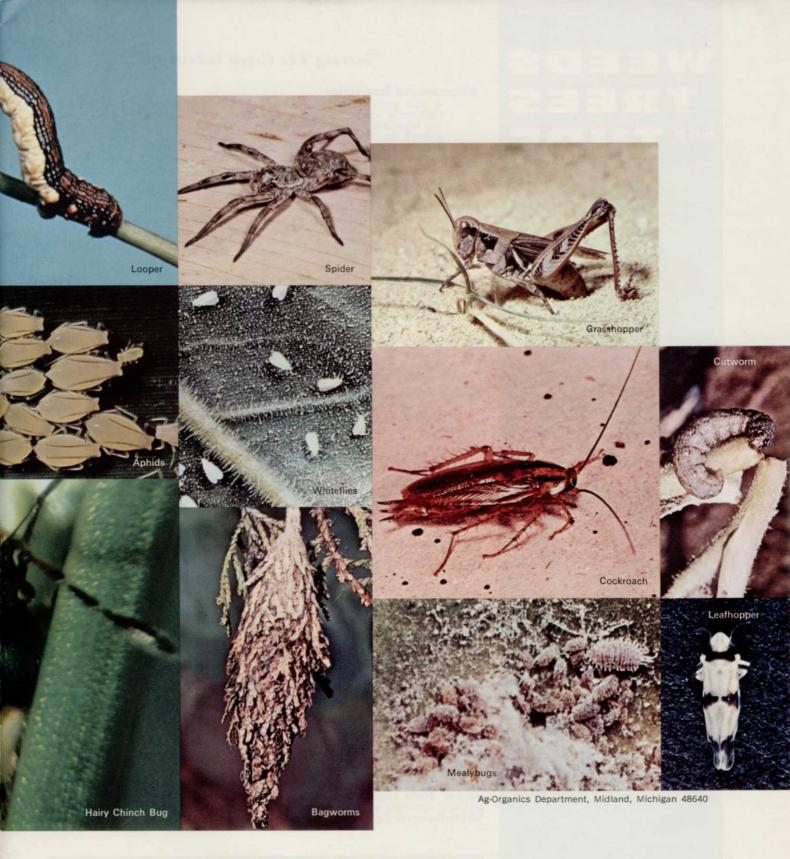
Before we sell it, we buy it.

For the name of the distributor near you write: Jacobsen Turf Directory, 1721 Packard Avenue, Racine, Wisconsin 53403



1973 will be a bad year for bugs.

Bad for bugs of turf and ornamental plants. And bad for household and structural bugs. Because Dow has a pair of insecticides that will make their lives miserable. There's Zectran* insecticide, a general use biodegradable insect killer that works on almost all major foliage-feeding insect pests—even the hard-to-kill kinds. Use Zectran on over 600 different flowers, ground covers, trees, shrubs and turf. And then there's Dursban* insecticide. Its effectiveness, economy, non-phytotoxicity and biodegradability make it the choice of professional turf men for golf greens, turf farms, home and



industrial lawns—or wherever grass and ornamentals are grown. It's especially effective to control the hairy chinch bug and sod webworm. Dursban insecticide is also preferred by PCO's for controlling household and structural pests—especially resistant roaches that laugh at other sprays. Please remember to read and observe all precautions on the product label. Bugs, get ready for 1973!



WEEDS TREES and TURF

Volume 12, No. 5

May, 1973

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"Serving The Green Industry"

Alligatorweed Eradication
A two part article on how a positive control program is saving California waterways from this destructive weed. Part I is about the identification of the problem. Authors are Wesley G. Hill and Robert G. Donley, deputy agricultural commissioner and agricultural inspector, respectively, weed and vertebrate pests, Los Angeles county. Part II is on the methods of control used. Author is William R. Clark, deputy agricultural commissioner, weed and vetebrate pests, Tulane County, Calif.
Aquatic weed control is a science that requires an accurate analysis of the problem before a solution is found. Dr. Robert M. Stern of Great Lakes Biochemical Co., Inc. discusses the steps needed in solving an aquatic weed and algae problem.
A Growing Business In Aquatic Weed Control Control Services, Inc. of Iowa have made a growing business in the area of aquatic weed control. Here's a chance to expand the services of your business, too.
18 Greens In The Air Unique describes the construction of this golf course. If you're plagued with water problems and flooding, consider the features of elevating greens.
Aquatic weed control is big business in Louisiana. William Thompson tells how a program is developed and implemented to keep weed destruction to a minimum.
West Coast Golf Course Development Here's the latest scoop on what's happening in golf on the west coast. Buddie A. Johnson, facility development consultant for the National Golf Foundation discusses the trends, construction and other aspects of this growing business.
Weed Wall For Aquatics
Florida Hyacinth Problem — Once Over Lightly
Treat Specific Problems For Better Algae Control A quick course in algae and other aquatic weeds and how to control them by Dr. William G. Patterson of the 3M Company.
Clever Deep Root Feeder Drills and Fills
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The Cover

You can be sure to see a crowd whenever the subject turns to aquatic weed control. Here members of the Hyacinth Control Society gather around airboats, spraying equipment and other aquatic machinery on display at the USDA Research Laboratory at Fort Lauderdale, Florida.

WEEDS TREES and TURF is published monthly by The Harvest Publishing Company, subsidiary of Harcourt Brace Jovanovich, Inc. Executive, editorial headquarters: 9800 Detroit Ave., Cleveland, Ohio 44102.

Single Copy Price: \$1.00 for current and all back issues. Foreign \$1.50.

Subscription Rates: WEEDS TREES AND TURF is mailed free, within the U.S. and possessions and Canada, to qualified persons engaged in the vegetation care industry and related fields in controlled circulation categories. Non-qualified subscriptions in the U.S. and Canada are \$10.00 per year; other countries, \$12.00 per year. Controlled circulation postage paid at Fostoria, Ohio 44830.

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Member
American Business Press
Business Publications Audit





"Is your superintendent getting the course ready for a spring tournament?"

> "No, Jim always keeps it looking this good."



How does he do it? He starts with the Du Pont Tersan® 1-2-3 Disease Control Program and stays with it.

The first step is the application of Tersan LSR turf fungicide on tees, fairways and greens in early spring. Tersan LSR stops Leaf Spot problems caused by overwintering spores of Helminthosporium spp. before the melting or fading-out stage. It also protects against Rust and Large Brown Patch before they have a chance to damage your turf.

This first step, along with your other sound turf management practices, can put your spring playing surface into shape that's fit for a tournament. And the second and third steps of the Tersan 1-2-3 Program will help keep your turf that way because this program controls all major turf diseases on all common turf grasses all season long.

The Tersan 1-2-3 Program offers disease control that's complete, effective and economical. Disease control that surprises new members, keeps old ones satisfied—and lets the superintendent be more appreciated.

For complete details and a supply of TERSAN turf fungicides, contact your golf course supplier.

With any chemical, follow labeling instructions and warnings carefully.



TERSAN 1-2-3 DISEASE CONTROL PROGRAM



0217® Brand Fylking Kentucky bluegrass mixes beautifully with other varieties. Its color and texture blend invisibly to create a velvet surface. Fylking tillering is superior (32 times as great as some prominent grasses at high nitrogen levels) produces thick, cushiony turf. Its aggressive rhizome root system crowds out weeds. More drought, traffic and disease resistant, Fylking can be cut low as 3/4 inch (even 1/2 inch). Low and slow-growing, less mowing and watering are necessary. Green earlier in spring and stays green longer into fall, 0217® Brand Fylking Kentucky bluegrass is the name to remember. Order it from your local wholesale seed or sod distributor.

Another fine product of Jacklin Seed Company Division of The Vaughan-Jacklin Corporation

Editorial Minutemen Of The Environment

The American citizen has been given more voice in the way you conduct business than ever before. The silent majority has been replaced by a more active citizen involvement, particularly in the area of environmental management. Recently passed environmental legislation delegates an increasing burden of law enforcement to every citizen right down to your mother-in-law.

Clever congressmen thinking of environmentally concerned constituents have passed at least three laws which give the voter more leash in bringing to justice alleged violators. These laws, the Clean Air Act, the Federal Water Pollution Control Act, and the Noise Control Act, make virtually every individual, customer and client a policeman in insuring your conformance to the law's standards.

Furthermore, this action is being backed by a strong public relations push from the Environmental Protection Agency, administrator of the laws. In a recently published booklet, "Don't Leave It All To The Experts," EPA tells citizens how to become more effective officers of the environment. It details such things as how to become informed, to sue or not to sue, knowledge of the law, picking targets, lobbying, finding funds, public hearings, and a section on mass communications. The end result is designed to create more active citizen participation.

This citizens action cookbook should be required reading by every Green Industry reader. (Order from Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. for 55 cents.) Indeed, many of its principles have direct application to Green Industry organizations. We have previously cited many of these points. Now the facts must speak for themselves. Any organization or business whose interests are not in line with these laws is standing on the centerline of a highway during rush hour. The odds for a collision are almost a certainty.

Additionally, you as a businessman are no longer immune to persons who are not your clients—if you ever were. In the area of noise control, a resident in the neighborhood where you have a job can bring grievance against you—and make it stick—if the noise you create is in violation of the standards.

The laws have essentially made everyone responsible for the mistakes of everyone else. The partial shift in enforcement responsibility from the government to the citizen has made each of us our neighbor's keeper in every sense of the word. Thus, we would urge businesses and organizations to adopt standardized operating procedures that are well within the limits of the law.