How to get better turf.
With Turf Care products from Diamond Shamrock.

As a golf superintendent, commercial or lawn care specialist, nurseryman or sod grower, you want the most healthy and most beautiful turf and ornamentals your expertise and experience can deliver. You believe in your cultural program for one reason only. It works.

And that's why Diamond Shamrock quality Turf Care products should be a basic part of your total program. Each is proven effective. Formulated for superior performance in the control of diseases and weeds on a variety of grasses and ornamentals.

So it's no wonder that more and more turf professionals are turning to the Diamond Shamrock line of Turf Care products. Only the best can give you better turf season after season.

Daconil 2787®. The product of choice among turf specialists. A time-tested broad spectrum fungicide that provides unsurpassed control of 9 diseases in turf including dollar spot, brown patch and Helminthosporium, 7 diseases in conifers plus commonly occurring diseases on 29 ornamentals.

You can apply Daconil 2787 flowable fungicide at recommended rates on many grass species and varieties and be assured of excellent turf tolerance even during hot, humid weather. And in 15 years of continuous use, resistance has never been documented.

With proven residual effectiveness plus a built-in surfactant, Daconil 2787 is economical to use in a full season program.

And Daconil 2787 is easy to handle because it flows so smoothly and disperses so quickly.

For golf greens, tees, fairways and ornamental turf-grasses as well as certain ornamentals, you can't buy better disease control than Daconil 2787. (Also available in wettable powder formulation.)

Dacamine® 360D. A new formulation for greater killing action than ordinary 2,4-D. Dacamine 360D postemergence herbicide is a highly effective formulation of 2,4-D that provides broad spectrum control on more than 70 tough perennials, especially dandelions.

Dacamine 360D is an oil soluble formulation which penetrates weed leaves and translocates to the root system of the weed, killing the plant where it lives. Virtually eliminating the possibility of regrowth.

What's more, Dacamine 360D is non-volatile so it won't vaporize even in hot weather. Once applied, there is no risk of injury to nearby ornamentals due to vapor action.

Plus, it's compatible with nitrogen solutions and that can save you time and money too.

So if you want superior killing action without volatility to stop over 70 broadleaf weeds once and for all, get Dacamine 360D.
MCPP + 2,4-D Amine (1 Plus 1).
A new product for excellent weed kill that's economical and convenient.

Designed in a packaged mix, this new combination of MCPP and 2,4-D phenoxy acids is formulated for use on turf and golf course fairways.

MCPP + 2,4-D Amine (1 Plus 1) delivers effective control of hard-to-kill and common broadleaf weeds with better economy than the other leading postemergence herbicide.

It's ideal for early season weed control on established turf because it provides first rate killing power with gentleness to most tender grasses. And it can be applied around trees without risk of root injury.

MCPP-K-4. Early control of tough viney weeds.
A postemergence phenoxy herbicide that provides first rate, early control of hard-to-kill viney weeds that 2,4-D formulations can miss.

MCPP-K-4 is especially effective against clover, chickweed and plantain which makes it an excellent herbicide for both lawns and golf courses.

What's more, MCPP-K-4 is gentle on tender grass.

For dependable results, make it MCPP-K-4.

Amine 4D. A selective postemergence herbicide.
This phenoxy formulation combines effectiveness and economy for control of broadleaf weeds in lawns, golf courses and other areas.

And because Amine 4D is low in volatility, it can be applied where susceptible plants are nearby.

Amine 4D is a useful weapon in your war against broadleaf weeds.

Daconate® 6 and Bueno® 6 postemergent herbicides.
Proven performers against tough weeds such as nutsedge, chickweed, wood sorrel and a variety of grassy weeds.

Both are liquid, ready-to-use broad spectrum herbicides that are formulated with surfactants for uniform wetting. (Bueno 6 is sold only in western states for use on turf.)

Get the right tools for your cultural program.
For first rate disease and weed control, your Diamond Shamrock distributor has the proven products that get the job done.

Order now from our full line of Turf Care products. There's no better way to get healthier, more beautiful turf.

Diamond Shamrock
Agricultural Chemicals Division
Diamond Shamrock Corporation
1100 Superior Avenue
Cleveland, Ohio 44114

Always follow label directions carefully when using turf chemicals.
 EVENTS

The current issue of WEEDS TREES & TURF carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 757 Third Ave., New York, NY 10017.


Turfgrass Disease Minicourse, Blacksburg, VA, Dec. 15-17. Contact Thomas Fermanian, 1707 Orchard St., Blacksburg, VA, 24061, 703/823-7555.

Scientific Guide To Pest Control Operations

by Dr. L.C. Truman
Dr. G.W. Bennett and Dr. W.L. Butts

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The SCIENTIFIC GUIDE TO PEST CONTROL OPERATIONS is written for owners, supervisors, servicemen, salesmen, students, persons preparing for state certification under the EPA/state programs for commercial pesticide applicators, and people interested in structural pest control. The SCIENTIFIC GUIDE TO PEST CONTROL OPERATIONS is available now. Contact: Book Sales, Harcourt Brace Jovanovich Publications, One East First Street, Duluth, MN 55802, Domestic: $23.00* (hardcover) Foreign: $28.00* (hardcover)

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WTT 12

North Carolina Nurserymen's Short Course and Trade Show, Pinehurst Hotel, Pinehurst, NC, January 3-5. Contact William Wilder, NCAN, RT. 2, Box 397, Knightdale, NC 27545.

Maryland Turfgrass '82, Baltimore Convention Center, Jan. 4-6. Contact Dr. Thomas Turner, Department of Agronomy, University of Maryland, College Park, MD 20742, 301/454-3716.

Winter Turfgrass Course, Cook College/Rutgers University, New Brunswick, NJ, Jan. 4-Mar. 12. Contact Edward Lipman, Cook College, P.O. Box 231, New Brunswick, NJ 08903, 201/934-9465.

Mississippi Nurserymen's Association Annual Membership Meeting and Seminar, Metro-Ramada Inn, Jackson, MS, Jan. 10-12. Contact Walter E. Davis, P.O. Box 242, Poplarville, MS, 601/795-4526.

53rd Annual Ohio Florist Short Course, Ohio Center-Hyatt Regency Hotel, Columbus, OH, Jan. 10-13. Contact Harry Tayama, Ohio Florists' Association, Columbus, OH 43210.


Mid-Atlantic Nurserymen's Trade Show, Baltimore Convention Center, Baltimore, MD, Jan. 18-20. Contact Mid-Atlantic Nurserymen's Trade Show, Perry Hall, MD 21128, 301/256-6474.


Twentieth Nebraska Turfgrass Conference and Trade Show, Holiday Inn, Omaha, NE, Jan. 19-21. Contact Robert C. Shearman, Turfgrass Specialist, 377 Plant Science Complex, University of Nebraska, Lincoln, NE 68583, 402/472-2550.


Massachusetts Horticultural Congress, Dunfey's Hyannis Hotel, Hyannis, MA, Jan. 20-22. Contact Deborah Fanning, Massachusetts Horticultural Congress, 715 Boylston Street, Boston, MA 02116, 617/266-6800.
Even if you don't own a John Deere tractor, you can still have John Deere behind you.

John Deere offers a full line of quality-built implements to fit nearly any make of small diesel tractor with a Category 1 3-point hitch. For example, there are four mowers: a grooming mower for smooth, even cuts; a rotary cutter for rough terrain; a flail mower for trashy conditions; and a sickle-bar mower for roadsides and hayfields.

For landscaping, John Deere has hitch-mounted implements including a rotary tiller, a box scraper, a rear blade and a post-hole digger. Of course, we also have a full line of hitch-mounted farm implements. So even if your tractor isn't green, you can make it do more when you put John Deere behind it.

For more information about John Deere Category 1 3-point hitch implements power-matched to small diesel tractors, see your John Deere dealer or send for a free leaflet.

To find out how John Deere implements can increase the versatility of your small diesel tractor with a Category 1 3-point hitch, send for a free descriptive folder. Mail this coupon to John Deere, Dept. B147, Moline, IL 61265.

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It's DUOSAN® — a scientifically formulated combination of a systemic and a contact fungicide. The combination creates a synergistic effect achieving better results than if the two were used independently. And it takes less to do the job.

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DUOSAN is labeled for most major spring and summer turf diseases except Pythium and results in good color and overall excellence of turf. Why not give your turf—and yourself—the advantages of this unique development. Get mean about Green with DUOSAN.

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SYNERGISTIC EFFECT OF DUOSAN ON DISEASES ON BENTGRASSES AND BERMUDAGRASSES

SUMMARY OF DATA FROM 6 EXPERIMENTS INVOLVING COMBINATIONS OF 4 ORGANISMS — Dollarspot, Brown Patch and Leafspots (Curvularia and Helminthosporium)

TALK TO THE GREEN GROUP AT
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THAT'S BETTER THAN TWO!
NURSERY

NMC fund drive way ahead of schedule

In the first month of fiscal 1982, the Nursery Marketing Council (NMC) has received 45% of the total amount contributed all of the past year. According to NMC Steering Committee Chairman Gordon Bailey, Bailey Nurseries, St. Paul, NM, income for fiscal 1981 (ended June 30) was $227,379, while income for July, 1981 was close to $125,000.

"We expect an expanded international radio advertising program for NMC this coming year," said Bailey. "We intend to add more weekends and more weekdays to our advertising schedule—as support funds permit. We are looking at additions to the program, too, in the form of specifically-targeted advertising to narrowly defined markets—such as home-builders."

Bailey noted that major wholesale growers and suppliers are adding a voluntary NMC contribution to their invoices amounting to one-fourth of one percent. When their retailing customers include that amount in their payment, the grower or supplier matches the contribution and sends the total to NMC.

EQUIPMENT

OPEI Working On Shredder Standard

The Outdoor Power Equipment Institute has initiated a voluntary standards development program for shredder grinders. This program is virtually completed. The final proposed standard will be submitted shortly to the American National Standards Institute's Board of Standards Review. Final approval is expected soon.

An OPEI safety seal program for shredders will be initiated next year after the ANSI approval has been obtained.

Bannigan Named E-Z Go Vice President

Ed Bannigan has been named vice president of sales of E-Z Go, Augusta, GA. Bannigan had previously been western regional manager of the company. He began his career with E-Z Go in May of 1978 as Branch manager.

Continues on page 57
Advanced Drainage Systems is offering its corrugated plastic drainage tubing in a choice of two synthetic wrap materials for protecting subsurface drains against the most challenging siltation problems. ADS Drain Guard, a 100% nylon envelope is an ultraporous filter that restrains and stabilizes problems solids such as fine sand and silts.

Finn Corp.'s T80 tank features a low profile tank design for ground level loading and a hydraulic powered, variable speed paddle agitator. The hydraulic seeder can be trailered to a site with ease and stability. It is a viable option to higher priced chassis-mounted units.

Wyo-Ben's Envirogel is manufactured from bentonite clay and is processed for use in reducing the seepage of fluids through porous soils. According to Wyo-Ben, bentonite can absorb five times its weight of water and expand to 12-16 times its dry volume.

The model 10 Turf-Truk is the latest addition to the line of Hester Ag-Truk three-wheeled ranch machines. The model 10, manufactured by Horizon Services Company, features a two-passenger bench seat, electric start G300 Honda industrial engine, 3 ft. by 4 ft. cargo box and a load carrying capacity of 1200 lbs.

Custom Products' all-weather, steel Cozy Cabs are now available for the brand new John Deere compact utility tractor. The Custom 300 cabs are ROPS-tested to meet OSHA requirements and feature all-steel construction, tinted safety glass, sliding rear window and vinyl padded interior.
GOOD WAYS TO IMPROVE YOUR QUALITY, PRODUCTION, SERVICE AND PROFIT WITH BROUWER!

1. NEW BROUWER HITCH-HIKER

Another Brouwer innovation in material handling
- Simple, safe operation
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2. BROUWER ECONOMY HARVESTER

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Top Turf men around the world use Brouwer Harvesters to assure top profit.

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FEATURING HYDRAULIC LIFT

WRITE FOR FREE BROCHURES.

Brouwer PTO Mowers for economy, reliability and cutting the toughest grass.
- Easy to transport
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- Simple "no-wheel and gear" PTO Drive
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Introducing the new six-wheel drive, self-leveling mower for rough, rugged, hilly terrain!

Consistently faced with the really tough slope mowing jobs? Are culverts, ditches, roadside berms and hilly terrain where your work takes you?

The answer is the new 27.5 hp, diesel-driven HUSTLER 602 D, the six-wheel drive tractor specifically designed and developed for bunkers, hilly roadsides, berms and rough terrain. Six individually-powered drive wheels deliver unmatched traction capabilities in all conditions. The 602 D's exclusive self-leveling feature automatically levels operator station and engine platform on slopes. Cab/engine platform leveling may also be manually controlled up to 27° right or left.

Another HUSTLER exclusive feature is the dual-hydrostatic drive system powering both sets of drive wheels independently. Twin steering levers control direction speed, turning and braking, giving you infinite maneuverability with simple, one-hand control.

Equip this rugged machine with HUSTLER attachments and you have four-season versatility. A 72" heavy-duty rotary deck, 60" flail mower, 60" two-stage snow thrower, 72" dozer blade, 72" rotary broom, cab enclosure kit and more are available with the 602 D.

Call toll free 1-800-835-3260, or write for the name of your HUSTLER distributor and free literature.