

**NEW PRODUCTS** from page 98

humic acids and soil fungi, and its aerifying effect reduces turf compaction while promoting the growth of each individual grass plant.

Circle No. 213 on Reader Inquiry Card

**The G-20 turf and general utility tractor** from Jacobsen Turf Products features a broad power range, hydrostatic steering and diesel power. For



hauling equipment and supplies, Jacobsen has recently added the model 80 Trailer to its turf and grounds maintenance line.

Circle No. 214 on Reader Inquiry Card

**J.A. Cissel** now offers Ball Barrier netting specially designed for golf courses and practice ranges. It is lightweight,



according to the company. Cissel Ball Barrier is made in 6½- and 25-ft. widths.

Circle No. 215 on Reader Inquiry Card

**Olympic Tall Fescue from Turf-Seed, Inc.** is a turf-type fescue with a genetic background allowing for low fertilizer and water requirements. It has a dark green color and medium leaf texture, and was developed for good summer and low temperature color retention, good spring green up and good winter hardiness.

Circle No. 216 on Reader Inquiry Card

*Continues on page 103*

# Weather-matic Works

and works and works  
works and works and  
day after day  
week after week  
month after month  
year after year



Automatic landscape irrigation systems from Weather-matic are engineered and tested — and proved — to give years of trouble-free service. Costly callbacks for repairs and service seldom bother Weather-matic owners. And with the industry's finest selection of sprinkler heads and its most dependable valves and controllers, you can be sure to put exactly the right volume of water precisely where you want it, when you need it, without waste.

Insist on Weather-matic. Because it works.

**You can't beat the system**

**Weather**  **matic.**  
LAWN AND TURF IRRIGATION

Box 18205/Dallas, Texas 75218

214-278-6131

Circle No. 161 on Reader Inquiry Card



## The City That Works Works With Woods

There's a lot of grass to mow in the Windy City, and Chicago's Park District uses rugged Woods mowers to help them cover a lot of ground.

But Woods mowers aren't designed just for large areas. In fact, we make mowers that cut swaths from 3 1/2 feet all the way up to 20 feet. Plus, we offer more rearmount and undermount models than any other manufacturer of tractor-powered mowers. New tractors or old, domestic or imported, Woods has a mower to fit the tractor and the job.

Send for complete specifications on the dependable line of Woods mowers today.

*for 34 years the name to remember for quality and performance*



Division of Hesston Corporation  
Oregon, Illinois 61061

Circle No. 164 on Reader Inquiry Card

Ditch Witch's model 1420 steerable walk-along trencher is equipped with a 14 hp engine with a diesel option. Features include a hydraulically raised



and lowered digging boom, hydrostatic ground drive, mechanical digging chain drive, and all controls accessible from one position. The 1420 can trench depths up to five feet.

Circle No. 217 on Reader Inquiry Card

FMC's Agricultural Machinery Division has announced its 1982 line of Side-Winder farm and grounds maintenance equipment. The line includes lightweight utility sprayers with tank capacities of up to 30 gallons, flail mowers for precision grass cutting, and light-duty blades with scraper attachment for leveling gravel and moving dirt. The mainstay of the Side-Winder line is the wide selection of rotary cutters for grounds maintenance.

Circle No. 218 on Reader Inquiry Card

The Toro Co. has introduced the Groundmaster 62, a commercial turf maintenance unit combining a rotary cutting deck with a twin cylinder, 4-cycle gasoline engine. The deck is a 62-in. wide three bladed unit, offset



16-in. to the left side to facilitate mowing under low hanging limbs and to allow trimming. The flotation-type suspension allows the deck to move independently of the prime mower for minimal scalping.

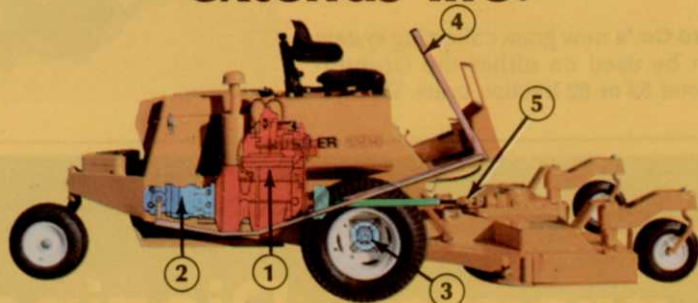
Circle No. 219 on Reader Inquiry Card

Continues on page 104



# to High Maintenance Costs.

## Simple dual-hydrostatic drive system cuts maintenance, extends life.

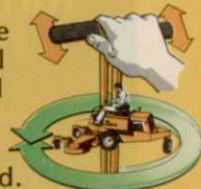


- 1. Engine.
- 2. Tandem hydrostatic pumps.
- 3. Drive wheel motor.
- 4. Twin levers (each controls one drive wheel).
- 5. PTO attachment drive.

The exclusive HUSTLER dual-hydrostatic drive system has many benefits.

First, the simplicity of the system results in low daily maintenance requirements. Second, there are no expensive gears, chains, steering linkage, clutches, pulleys and drive sprockets to maintain. The HUSTLER design eliminates these high-wear components and their maintenance.

Twin levers give the operator total one-hand control of forward, reverse, turning, braking and speed.



Two hydrostatic pumps and two drive wheel motors are the heart of the HUSTLER drive system. The dual-hydrostatic pumps operate at half the pressure of single pump units, so pump life increases dramatically.

HUSTLER is the simplest, most cost-efficient and maintenance-free line of grounds maintenance tractors on the market. See your EXCEL HUSTLER distributor for the solution to high maintenance costs.

Call Toll Free 1-800-835-3260  
or write for FREE literature.  
EXCEL INDUSTRIES, INC.  
Box 727, Hesston, KS 67062

EXI-8-182



Circle No. 117 on Reader Inquiry Card



Call toll free 1-800-835-3260

**"Little Squirt" by Aquatrols Corp.** is a new irrigation unit which allows for the injection of liquid concentrates directly into the irrigation system. The unit has the capacity for a wide range of application rates from less than one-ppm to 46-ppm at a standard irrigation flow rate of 600 gpm.

Circle No. 220 on Reader Inquiry Card

**Toro Co.'s** new grass collecting system can be used on either the Groundmaster 52 or 62 traction units. The sys-



tem consists of a 16-in. diameter blower assembly attached to the deck's discharge port and operated by the deck's PTO drive system. The one piece polypropylene chute directs the clippings into a bag support assembly made of steel tubing construction with a polypropylene bottom.

Circle No. 221 on Reader Inquiry Card

**Ornalin from Mallinckrodt** is a contact fungicide created for the control of Botrytis, a fungal disease affecting a broad range of ornamental plants. According to the manufacturer, use of Ornalin does not inhibit rooting of cuttings taken from treated plants, or leave unsightly residues on foliage or blooms. The active ingredient is 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione.

Circle No. 222 on Reader Inquiry Card

**Bunton Co.** has expanded their product line with new commercial rotary mowers. The 48-in. model is designed for easy handling during transportation and is available in both turf and



lawn models, with a choice of six engines. The 61-in. model combines the advantages of Bunton tractors with the low cost of self-propelled. It features an optional riding attachment and six forward ground speeds.

Circle No. 223 on Reader Inquiry Card

**Jacobsen Division** of Textron has introduced its Model 80 utility trailer for hauling turf equipment and supplies. The Model 80 has an all-steel frame and bed, 2800-lb. carrying capacity and tilts to allow an operator to drive



equipment onto its 6-ft. by 10-ft. 9-in. bed. A 1200-lb. capacity winch with a two-way ratchet and a positive off position is also featured for loading and unloading equipment.

Circle No. 224 on Reader Inquiry Card

# prentox<sup>®</sup> Diazinon<sup>®</sup>

## Turf and Ornamental Care Products.



**NOW!**

A complete line of Diazinon<sup>®</sup> products—Emulsifiable Concentrates, Granules or Wettable Powder—with complete labeling for turf and ornamental insect control, available through more than 40 distributors nationwide. Call or write for the distributor nearest you.



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 Diazinon<sup>®</sup> Registered, Ciba-Geigy Corporation



Circle No. 146 on Reader Inquiry Card

## CLASSIFIEDS

**RATES:** 75 cents per word (minimum charge, \$20). Bold face words or words in all capital letters charged at \$1.00 per word. Boxed or display ads charged at \$60 per column inch (one inch minimum). Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add \$5 to total cost of ad. Send ad copy with payment to Dawn Anderson, WEEDS, TREES & TURF, 1 East First Street, Duluth, MN 55802.

**BOX NUMBER REPLIES:** Mail Box number replies to: WEEDS, TREES & TURF, Classified Ad Department, 120 W. 2nd St., Duluth, MN 55802. Please include box number in address.

### HELP WANTED

**HELP WANTED: MANAGER** for Landscape Maintenance Department of Central Texas firm. Must have sound background in hiring, training, and supervising maintenance personnel. Salary, Company Vehicle. Send resume to WTT Box 282. 3/82

**IRRIGATION SUPERVISOR** for established Connecticut irrigation contractor. Previous experience in installation and supervision of irrigation crews essential. Excellent opportunity to join a rapidly expanding company. Excellent salary and future for qualified person. Send complete resume and salary history to Mark Sosnowitz, Sprinklescape, P.O. Box 175, Glenville Station, Greenwich, CT 06830. (203) 869-4149. 3/82

**LANDSCAPE MAINTENANCE DIVISION SUPERVISOR:** Career opportunity with a growing Wisconsin landscape contractor. Must have 3 to 5 years supervisory experience, sales experience, and a good horticultural background. Benefits. Starting salary negotiable. Send complete resume and references to: David J. Frank Landscape Contracting, Inc., N120 W21350 Freiestadt Road, Germantown, WI 53022, or call (414) 255-4888. 3/82

"Leading commercial flail mower manufacturer has job openings for direct factory Territory Managers. Travel for Sales and Service with demonstration promotion of our equipment is required. Salary, profit sharing, car and travel expenses. Relocation may be necessary." Send resume to WTT Box 288. 5/82

**SALESMAN** For complete line to golf course and professional landscape trade in Chicago and northwest Indiana. Experience required. Huber Ranch Sod Nursery, Schneider, IN 46376 (219) 552-0552. 3/82

**SALESMAN/ESTIMATOR.** Our expanding company is offering an outstanding career opportunity, with an ongoing professional training program. Excellent company growth potential. Must be knowledgeable in all phases of tree, shrub, and lawn care. Must also have knowledge of insects and diseases connected with the industry. Send resume and references to Horace E. Winger, B.D. Wilhelm Co., 8200 East Harvard, Denver, Colorado 80231. Telephone: 1 (303) 755-7432. 3/82

Landscape Supervisors—minimum of one year experience in Landscape Management of either the installation/maintenance phase of the Landscape Industry. Applicant should be qualified in training subordinates, scheduling/executing job assignments, the management and mechanical ability to operate large and small equipment and a desire to grow personally and financially. Send resume and salary history to Bregenzer's, Inc., 7865 Nesbitt Ferry Road, Atlanta, GA 30360. 1-(404) 394-5730. 3/82

Pest control operator, Certified in State of Florida for Lawn and Ornamental pest control. Must have experience in insect and weed control. \$15,000 yr. Send resume to: P.O. Box 10828, Tampa, FL 33679. 3/82

Asplundh and hi-Ranger forestry bucket trucks, Asplundh wood chippers, Vermeer stump grinder 2460A. Excellent Condition! Log splitters. Mirk, Incorporated, (216) 669-3567. Residence, (216) 669-3562. 7629 Chippewa Road, Orrville, OH 44667. 4/82

**GOLF COURSE MANAGER**—Winner Country Club, Winner, SD seeks individual to assist in all phases of golf operation. Responsibilities include all building and grounds maintenance on a rapidly growing 9 hole grass green course with complete underground irrigation and modern maintenance equipment. Salary is negotiable. Send resume to Winner Country Club, Box 141, Winner, SD 57580. 3/82

### FOR SALE

#### Used Spray Units For Sale

1,250-gallon stainless steel tanks. Mechanical agitation. FMC 20 gallon/minute pump. Hanney electric reel. Ford F600 and Chevy C60's — '76's, '77's, '78's and '79's.

Call (502) 241-7341. T.F.

Beautiful, unique nursery in affluent part of Austin, Texas. Thriving business offers retail store, landscape design, installation, maintenance, and floral service. Well known holiday design service and long established Christmas store. Store opened in 1976. Loyal clientele. Write WTT Box 289. 3/82

For Sale—Tree Service, Mid-Hudson Valley, New York State. Bucket, Chipper, sprayer, dump truck, accounts, other accessory tools. Established over 35 Years. \$50,000. Write Bartles Tree Service, Box 384, Rhinebeck, N.Y. 12572. 3/82

**NEW and USED:** Prentice Loaders; Morbark Chippers; Hydro Ax Brush Axes/Feller Bunchers; Timberjack Skidders/Forwarders. For **SALES, PARTS, SERVICE** call or write Lyons Equipment Co., Little Valley, NY 14755 (716) 938-9175. 3/82

**100,000 R.R. TIES.** Available at all times in various stages of processing. Offered for sale in the ground, stacked or in strictly graded bundles—picked up or delivered to accommodate particular customer's needs. We specialize in large quantity orders. Call the Professionals—America's largest tie processor—United Railroad Suppliers, 1 (800) 247-7908; In Iowa 1 (800) 542-7959. 4/82

**FOR SALE 1980 FINN BANTAM 800 HYDRO-SEEDER** on trailer. Electric reel—200 feet hose—discharge platform and stand. Excellent condition. Call Garry Struyk (402) 592-2233 or (712) 328-3909. 4/82

**Used Spray Trucks**—Chevy, 700-gallon tanks. Automatic hose reels, mechanical agitation. Call Ron Wilson (513) 845-0517. 3/82

Vermeer TS-44 Tree Spade on Cat 955 Crawler. Also Vermeer TS-44 Truck Mount Spade (less truck). Finn 1200 gal. skid mount Hydroseeder. Melroe 632 Bobcat. MF 1130 Farm tractor cab, 130 h.p. 43' drop deck trailer with ramps. (312) 438-5101. 4/82

Completely overhauled and dielectrically insulated 45' Sky-Workers—For Sale and Rent. 90 day guarantee on sales. Call Aerial Lift, Inc., Milford, Conn. (203) 878-0694. TF

**SKYWORKER AERIAL BUCKETS:** Sales, Parts and Service. New and used units available to 65 feet. New and Used brush chippers, Hydro Ax's, used stumpers, sprayers and digger derricks also available. Call or write P.C. GOULD SALES COMPANY, Plains Road, Essex, Conn. 06426. (203) 767-1636. 3/82

**FOR SALE:** Ryan Sod Cutter—\$1,350. 5 gang Roseman mower—\$1,350.00. 5 in. irrigation pipe —\$1.00 per foot. Complete sod business, with sod & equipment. (414) 326-5267. 3/82

Colorado Rocky Mountain Tree Spraying Business located in a growing city of the Colorado Rocky Mountain's front range area. Call (303) 353-8825.

**HAHN FLEX-A-MATIC 140 INCH REEL MOWERS.** Total 3—1 new still in crate—2 used in good shape. \$18,000 takes all plus additional parts. (516) 293-9393. 4/82

**1979 FINN SUPER HYDRO-SEEDER** w/elec. hose reel, 200' hose, remote valve, white paint, & diesel w/500 hrs. Selling with tandem chev., with triaxle gooseneck trlr., or without either. **1979 FINN BANTAM MULCHER** w/trailer, asphalt system, & 50' ext. hose. Very low hours. **1979 HARLEY 8' LANDSCAPE RAKE** w/scarifier. All 3 items like new. Asking 70% of new price or offer. (612) 420-5158. 3/82

**MISCELLANEOUS**

**DIESEL HI-RANGER TOWERS**—48-100 Feet working heights. Daily, weekly, monthly rentals with or without operator. **MATLOCK LEASING**, Pottstown, PA (215) 326-7711. 12/82

**LANDSCAPE DESIGN KIT**, 37 rubber symbol stamps, ink pad, \$38.50 postpaid. California add \$2.16 tax. Stamps kit brochures available. **American Stamp Co.**, Box 741, Dept. WT, Reseda, California 91335. Phone (213) 881-2808. TF

**NEW BALL BARRIER NETTING:** Made of Olefin fibers. 6½ feet and 25 feet high. Strong and tough. Will not rust. Easy to handle. For Driving Ranges and Golf Courses. Keep golf balls from straying off-course. **J.A. Cissel Co., Inc.**, Dept. JK, P.O. Box 339, Farmingdale, N.J. 07727. (800) 631-2234. 3/82

**COLLECTIONS A PROBLEM?** Try our inexpensive, do it yourself kit FREE. Satisfaction Guaranteed! For details write: Collection, 5 Tuscan Court, Huntington Station, NY 11746. 4/82

**TREE STAMPS: TREELINE'S** crafted rubber stamps combine quality of hand drawn trees and people with speed and convenience of stamps. Write for free catalog. **TREELINE**, 2 Greenwood Rd., Natick, MA 01760, Dept. D. 3/82

**USED EQUIPMENT**

**USED GOLF CARS FOR SALE**—All makes and models, 3 & 4 wheel, electric or gas. If we don't have your choice in stock we can get it. Transportation available. **Mid-Atlantic Equipment Corp.**, Collegetown, PA. Call Now! (215) 489-1400. TF

**BUCKET TRUCKS, SPRAYERS, MIST** Blowers, Chippers, Log Splitters, Stump Grinders. Largest selection of reconditioned arborist equipment in the Northeast. Call or write with your needs. **ESSCO**, 584 WEST HOFFMAN AVENUE, LINDENHURST, N.Y. 11757. (516) 226-5115. 3/82

**HI-RANGER BUCKET TRUCKS**, 54' and 51', Flatbed and chip box mits - Merrill brush chipper. **Allied Enterprises, Inc.**, W. 204 N. 11509 Goldendale Rd., Germantown, WI 53022, (414) 255-6161 anytime. TF

**HG10** (1000 gal) Hydroseeder mounted on 1968 F600 Ford. Reconditioned in our shop now. Getting ready to paint your color. Truck & machine are field ready when you pick up. Total price \$9,500. **Frederick, Maryland** (301) 473-5160. 4/82

**SPYDER** Forklift and Trailer, 200 hours, excellent condition, \$12,500, or cash plus sod. 285 Kubota with loader, 700 hours, \$5,800. (317) 873-5231, **Zionsville, Indiana**. 2/82

**EQUIPMENT FOR SALE**—Spray truck, flat-bed truck which dumps, Case tractor, dual axle flat-bed trailer, International Skyworker Aerial-bucket, stumpgrinder, chipper, Meyers field-sprayer. Equipment in good running condition with repairs and maintenance given top priority. Call (616) 241-0567. 3/82

**Spyder Forklift**—200 hours. Used one season, Excellent condition. Best offer. **Makielski Turf Farm**, 6550 Wheaton Rd., Jackson, Michigan 49201 (517) 536-8120. 3/82

**Rogers Sweeper** model 730HL, 5 cu. ft. Cap., Hopper raises 8½ ft. high, sweep 60 inches wide, runs off tractor hyd. system. Like new—\$3,500.00 **Ryan Sod cutter**—18 inch w/auto cut off newly rebuilt—\$1,500.00. Phone (317) 298-9645. **Green Aire Associates, Inc.**, P.O. Box 34157, Indianapolis, IN 46234. 4/82

1976 Toro P.T.O. 66" Rake-O-Vac, \$6,000. **Dedoes** greens aerator, \$1,000. Want to buy or trade for **Jacobsen 548 seeder** and **Jacobsen P.T.O. blower**. Contact **Philip Mills** (301) 722-6601, MD.

**HI-RANGERS AERIAL BASKETS** 65', 57', and 53'. Skyworkers aerial baskets 65', 50', 40'. **Vermeer** stump cutter 1560.6. **Vermeer** tree spade 66, TS 44. **Asplundh** bucket and brush chippers. **Bean sprayer**, 9 ton trailer. **Parkway Tree Service**, 12026 W. Cherry, Wauwatosa, Wisc. 53226. (414) 257-1555. TF

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STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

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**RATES:** 75 cents per word (minimum charge, \$20). Bold face words or words in all capital letters charged at \$1.00 per word. Boxed or display ads charged at \$60 per column inch (one inch minimum). For ads using blind, box number, add \$5 to total cost of ad.

## USED EQUIPMENT

Tree Service Central NJ \$60,000 yr. net profit, excellent reputation. 1969 Vermeer 66" Tree spade. 1968 Hi Ranger 57' Forestry Bucket. 1973 Chevy Dump. 1968 Ford Cabover w/Prentiss loader. Asplundh 16" Chipper. Vermeer #10 Stumper. Pettibone 2217 Backhoe. 1954 Reo w/Winch A Frame. Package or separately (201) 462-4015 or (201) 544-0590. 3/82

Kershaw Klearway 10-5 \$26,000, Bombardier Track Brush Cutter \$20,250. J.D. 440-A skidder, \$7,500. 1979 665A Stump cutter \$7,500. 1973 F600 with 55' skyworker \$11,200. 1980 Ford 6600 R.O.W. equipped \$15,100. 5222 Hamilton Road, Columbus, GA 31904 (404) 323-0428. 3/82

## BUSINESS OPPORTUNITIES

**WANT TO BUY OR SELL** a golf course? Exclusively golf course transactions and appraisals. Ask for our catalog. McKay Golf and Country Club Properties, 15553 N. East Street, Lansing, Michigan 48906. Phone (517) 484-7726. TF

## POSITION WANTED

**PGA Golf Professional** with excellent promotional, teaching and merchandising experience **wishes to lease or purchase golf course.** Write WTT Box 434. 3/82

## WANTED

**WANTED** Used Reel Grinder and P.T.O. driven grass sweeper in good condition in Midwest area. (815) 469-9421. 3/82

**Wanted**—Used Straw Blower in good working order. 128 N. Shore Dr., Lake Villa, Illinois 60046 (312) 356-1177. 3/82

**WANTED TO BUY: USED ASPLUNDH BRUSH CHIPPERS.** CALL (607) 692-4712. 3/82

**"Wanted Mowers" Woods or Servis 15' Rotary. Woods 5 or 6' Side Mount. Call: (412) 793-4665 or (412) 793-3870 between 8:00 and 4:00 weekdays.** 4/82

**Wanted to buy, good used bucket trucks.** Write WTT Box 287. 3/82

**Wanted:** Used Stainless Steel Combines, that aerates, rolls, sprays liquid, and used Tractors and Trailers, as formerly used by Lawn-A-Mat dealers. Write: Conestoga Golf & Country Club, Conestogo, Ontario. N0B 1N0 or call 1 (519) 664-2234. 4/82



## RESEARCH UNDERWAY—

### California Polytechnic Institute, Pomona

Studies with Zoysia cultivars in the southwest involving establishment, adaptation and water use, and iron efficiency.

### University of Florida, Ft. Lauderdale

Evaluation of turf-type bermudagrasses for sod web-worm resistance.

### Iowa State University

The mode of action of leafspot development related to light and herbicide effects on leaf physiology.

### Michigan State University

Development of procedures to enable the prediction of plant disease occurrence.

### Texas A&M University

Water management relating to stress and drought.

## SPECIAL GRANTS (One time)

### Michigan State University Library

For continued support toward book acquisition and microfiche facilities for O. J. Noer Memorial Turfgrass Library.



## Heavy-duty features, lightweight price.

Hoffco WT-14H: A Tri-Kut™ steel-bladed weed trimmer/cutter, a monofilament grass trimmer/edger. Strong 13.8cc engine. Patented drive shaft system. Shoulder strap/hip pad and grass/dust shield included.

**TOUGH ON THE JOB.  
EASY ON YOU.**



Hoffco, Inc. • Dept. WTT-382 • 358 N.W. F St. • Richmond, IN 47374

Circle No. 123 on Reader Inquiry Card

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*Hopkins*

## NEW REVENGE™

cost effective control of  
Johnsongrass, Bermuda, other grasses

- 1. Quick brownout.** Kills entire plant — roots and all — ends re-growth problems.
- 2. Economical, easy to use.** Free-flowing. Completely water soluble, forms a true solution.
- 3. Up to 98% control** of rhizome johnsongrass into the next season—even where foliar materials alone fail to give good control.

**REVENGE** is a highly effective, low-cost herbicide for control of established annual and perennial grasses. It combines contact action with systemic action that moves chemicals through foliage *and roots*. Short soil residual permits replanting within a few months.

**REVENGE** used at 15 pounds per 100 gallons of water, along with 2 quarts of Hopkins' Neptune® or Agicide® Activator, gives fast, effective control of troublesome perennial grasses such as quack-grass, bermudagrass, johnsongrass and cattails. Don't just get mad at grass problems — get **REVENGE**.

For nearest distributor, contact:



**Hopkins**  
agricultural chemical co.

BOX 7532 • MADISON, WISCONSIN 53707  
U.S.A.

## NEW PRODUCTS

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