



SHOW HIM THE VERY BEST WAY TO CONTROL COSTS.

and up to a full 28 days on fairways.

It lets you cut your spray schedule back.

And for every treatment you eliminate, you save up to \$10 per acre in fuel and labor alone.

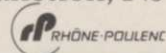
In short, CHIPCO 26019 is not just effective. It's cost-effective.

THE BEST DISEASE CONTROL FOR GREENS, TEES AND FAIRWAYS.

On your fine turf, where quality is everything, and on your fairways, where cost really comes into play, don't compromise. Cover the course with CHIPCO 26019, the cornerstone of your spray program.

Ask for it and other fine products in the CHIPCO Turf Care Line at your local dealer.

Rhône-Poulenc Inc., Agrochemical Division, Monmouth Junction, NJ 08852.



CHIPCO® 26019
EVERYTHING'S UNDER CONTROL.

Please read the label and use only as directed.



in. cutting depth. All internal parts are metal, and the motor is a 1/3 hp double-insulated with 115 Vac 60 Hz operation.

Circle No. 175 on Reader Inquiry Card

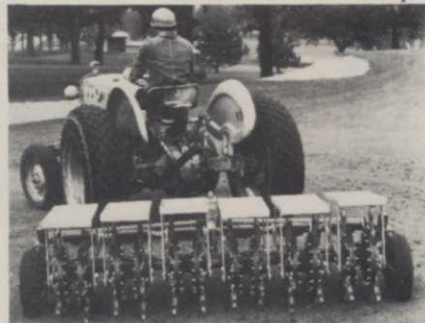
Aerates level or rolling areas

Two large-area aerators from Ryan Equipment Co. can aerate six-foot swaths at speeds up to ten mph. The Renovaire is designed for rolling or undulating turf areas and carries six



pairs of independently mounted tine wheels. Coring, slicing and open spoon tines are available. The Tracaire has 12

tine wheels fixed in a horizontal position for use on level turf areas. An op-



tional 12 foot dragmat is possible for both models.

Circle No. 176 on Reader Inquiry Card

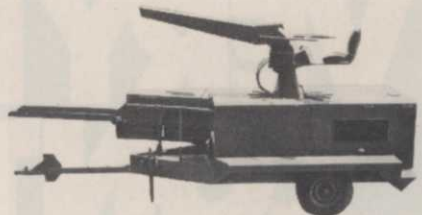
Velsicol, SUNY research termiticide products

Velsicol Chemical Corp. and the Research Foundation of the State University of New York have announced their licensing agreement to research, develop and commercialize new termiticide products. Research will involve a type of delayed action fluorinated insecticide which is said to be insect-specific and environmentally safe.

Circle No. 177 on Reader Inquiry Card

Bowie introduces compact aero-mulcher

Bowie Industries has added the Bowie Aero-Mulcher to its line of hydro-mulchers. The unit is capable of blowing all grades of baled hay and wet or



dry straw. Features include turbo-charged John Deere series 300 engine, hydraulically driven variable speed chain conveyor and adjustable feed tray.

Circle No. 178 on Reader Inquiry Card

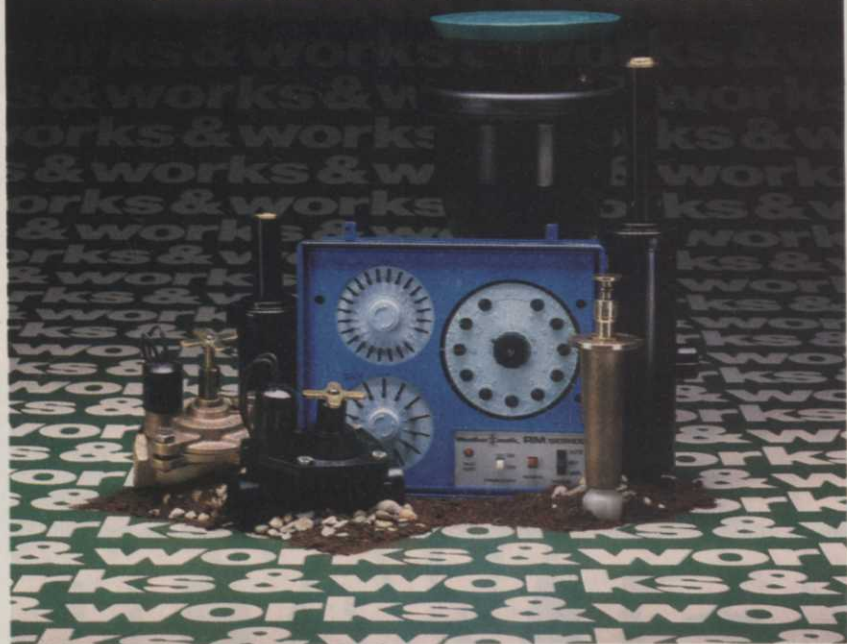
DUSBLOC is aid in dust control

ARCO Performance Chemicals Company, Inc., a subsidiary of Atlantic Richfield Company, has introduced a new chemical stabilizer for in-depth wind loss dust control and better weather resistance.

DUSBLOC 500 stabilizer works by forming a transparent, resilient, water-

Continued on page 74

Weather-matic



Reliability is the hallmark of Weather-matic lawn and turf irrigation systems. Every valve is pressure-tested before it leaves our factory. Every sprinkler head is designed for years of trouble-free operation. Every controller is durable, dependable and accurate. They're all designed to work together, so you can install a Weather-matic system — and forget about costly callbacks and repairs for years to come.

An integrated Weather-matic system is your sensible investment in landscape maintenance. Write for the name of the Weather-matic distributor in your area.

You can't beat the Weather-matic system, because it *works*.



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Only Hoffco cuts it all.

Some trimmer/cutter brands do brush, or brush and weeds. Then quit. Others do weeds and grass, or just grass. That's it. Only Hoffco handles *all* your groundskeeping work *all* the time.

Buy the one brand that does everything.

Choose from 13 different models, top to bottom. Our heavy-duty brush clearers take down a sapling quicker than you can say "Hoffco." Our medium-duty weed trimmer/cutters switch from blades for the tough stuff to monofilament for the easy going. Even our light-duty grass trimmers share heavy-duty Hoffco features like our patented drive shaft systems. All models with blade capability include Hoffco's Guardian Triangle, the three-point suspension system that promotes operator comfort, efficiency—and security.

Brush blade, weed blade, monofilament head available with Hoffco Heavy-Duty Professional/Commercial models.

Monofilament head standard with Hoffco Light-Duty Lawn/Garden models.

Weed blades, brush blades, monofilament heads available with Hoffco Medium-Duty Farm/Estate models.

We don't come apart when you need parts.

Hoffco boasts the best parts delivery in the business. We back our dealers with a parts and service program so complete and so effective, it's unlike any other in the industry. We don't let the grass

grow under your feet when you need something. That's another reason to choose Hoffco trimmer/cutters.



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EASY ON YOU.**

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What's the Economical Solution to Maintaining Big Acreage?



The new HUSTLER 14' Range Wing™. It cuts 115% more turf each pass than 72" mowers...and you won't believe the low price.

The front-mounted HUSTLER Range Wing is a 14' fine cut rotary gang mower designed for use on our 32 hp diesel HUSTLER 305 D.

And it's the only rotary gang tractor on the market with twin-lever, drive wheel steering so you not only get economy and value — you get one-hand control and "trim-efficient maneuverability."

With the Range Wing you can cut up to a whopping 61.8 acres of turf per day.

The HUSTLER Range Wing mower consists of three decks. Each deck can be hydraulically raised and lowered separately

for trim capabilities. The decks float independently to follow ground contour for a smooth, uniform cut.

The PTO-driven, Dual-Trim main deck is a heavy-duty 72" rear discharge deck with an 11" offset trim capability on both sides. Twin side wing decks are each 48" wide with rear discharge. Wing decks are belt-driven off of the main deck for power efficiency.

A 10' single Range Wing attachment is also available for our HUSTLER model 295.

Call toll free 1-800-835-3260 or write for free literature: EXCEL INDUSTRIES, INC., P.O. Box 7000, Hesston, KS 67062



An automatic clutch on each wing disengages blades when wing is raised.



EXI-3-183

Every HUSTLER features infinite maneuverability and one-hand control for maximum operating efficiency!



The choice of the Pros.



Call toll free 1-800-835-3260

PRODUCTS from page 72

soluble matrix within the top inch of treated surfaces, improving resistance to wind, rain, foot traffic and mechanical shifting of treated stock piles, according to ARCO. It can be used on roads and footpaths where a "natural" look is desired, although it was designed for treating coal piles, ore piles, mine tailings, road shoulders and fields.

More information on DUSBLOC is available from ARCO Performance Chemicals, Product Manager, Dust Control, 1500 Market St. Philadelphia, PA 19101 or by calling (215) 557-2208.

Circle No. 179 on Reader Inquiry Card

Diesel mower with light compaction touch

Jacobsen's medium-sized HF-5 compact hydraulic mowing tractor cuts a swath up to 11 ft. with a five gang reel. Features include a 33 hp Volkswagen diesel engine which is 30% more fuel



efficient than a comparable gas unit, a hydrostatic transmission with forward and reverse controlled by a single foot treadle, and hydraulics for power steering and raising and lowering reels. Compaction is just 8 lb. psi with one operator aboard.

Circle No. 180 on Reader Inquiry Card

Bluegrass meant for transition zone

Lofts Seed, Inc.'s Georgetown bluegrass has resistance against Fusarium roseum and is suited for the transition zone of Washington D.C., Virginia, Maryland, and west to St. Louis and Kansas City. It persists where other bluegrass varieties show signs of thinning due to heat and drought stress, and is compatible with Ram I and Baron Kentucky bluegrasses.

Circle No. 181 on Reader Inquiry Card

Cart sprayer/washer introduced by Solo

Solo's model 117 is a self-contained portable high pressure cart sprayer/washer. The lightweight, compact unit is powered by a 1½ hp gas engine and

← Circle No. 118 on Reader Inquiry Card

Sensation

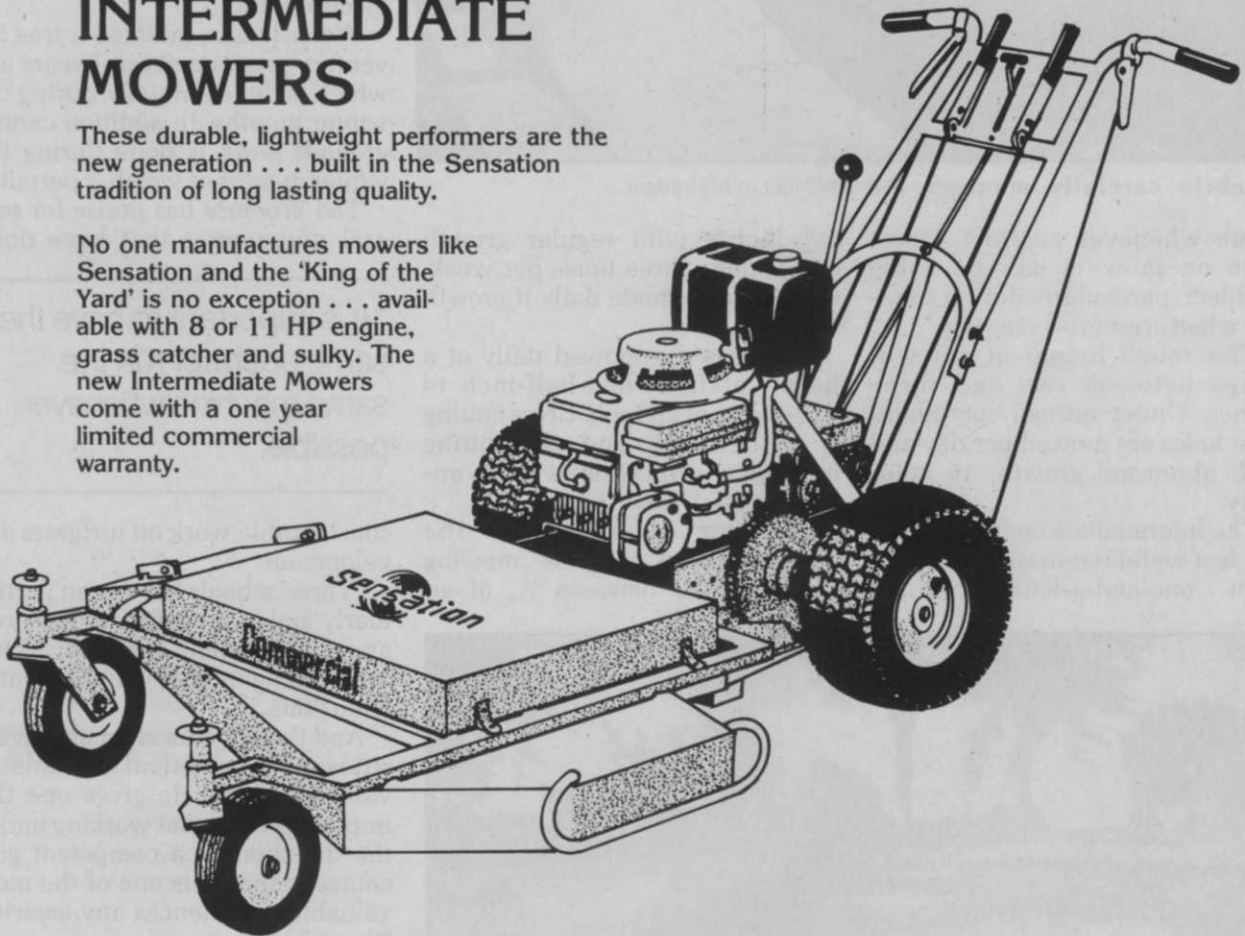
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MADE IN U.S.A.

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THE NEW 36" PLUS INTERMEDIATE MOWERS

These durable, lightweight performers are the new generation . . . built in the Sensation tradition of long lasting quality.

No one manufactures mowers like Sensation and the 'King of the Yard' is no exception . . . available with 8 or 11 HP engine, grass catcher and sulky. The new Intermediate Mowers come with a one year limited commercial warranty.



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For more information on this or any of Sensation's full line of commercial mowers, call or write:

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Circle No. 147 on Reader Inquiry Card



Woehrle carefully manages the \$400,000 in his budget.

chine whenever possible. Down time on mowers can be a big problem, particularly during a season when grass grows rapidly."

The rough height of cut will range between two and three inches. Under normal conditions, nine holes are mowed per day and with abnormal growth, 18 holes daily.

The intermediate courtesy rough (six feet wide) is mowed at a height from one-and-a-half-inches to

two-inches with regular growth and is done three times per week. Mowings are made daily if growth is rapid.

Fairways are mowed daily at a height of from one-half-inch to five-eighths of an inch. Cross cutting is done weekly and verticutting monthly. Aerification is done annually on fairways.

Weather often dictates the greens cutting but the mowing height ranges between $\frac{3}{32}$ of an

inch to $\frac{3}{16}$. Regular mowing is done daily, verticutting two times a month, double cutting as required, sanding (light dusting) every three weeks and aerification annually.

Tees are mowed to a height of one-half inch three times per week.

Traps are edged and contoured semi-annually and are dug up and respread annually.

All machinery is inspected and repairs made as needed during winter months. This includes inspection and repair work on the 20 gas-powered golf carts and the 80 electric carts.

Woehrle also initiated a tree inventory program several years ago which is done annually during the winter months. In addition certain grounds work is done during the winter months as weather permits.

Ted Woehrle has praise for several universities that have done

"It is important to have the same operator run the same machine whenever possible."

considerable work on turfgrass development.

"Three schools have been particularly active in turf grass research and management," he said. "They are Michigan State, Purdue and Ohio State."

And though education at universities and technical schools is valuable, Woehrle gives one the impression that that working under the direction of a competent golf course manager is one of the most valuable experiences any aspiring "Super" can get.

"One of my most gratifying accomplishments during 26 years as a golf club superintendent," he said, "has been training 37 men who currently are golf course superintendents around the country."

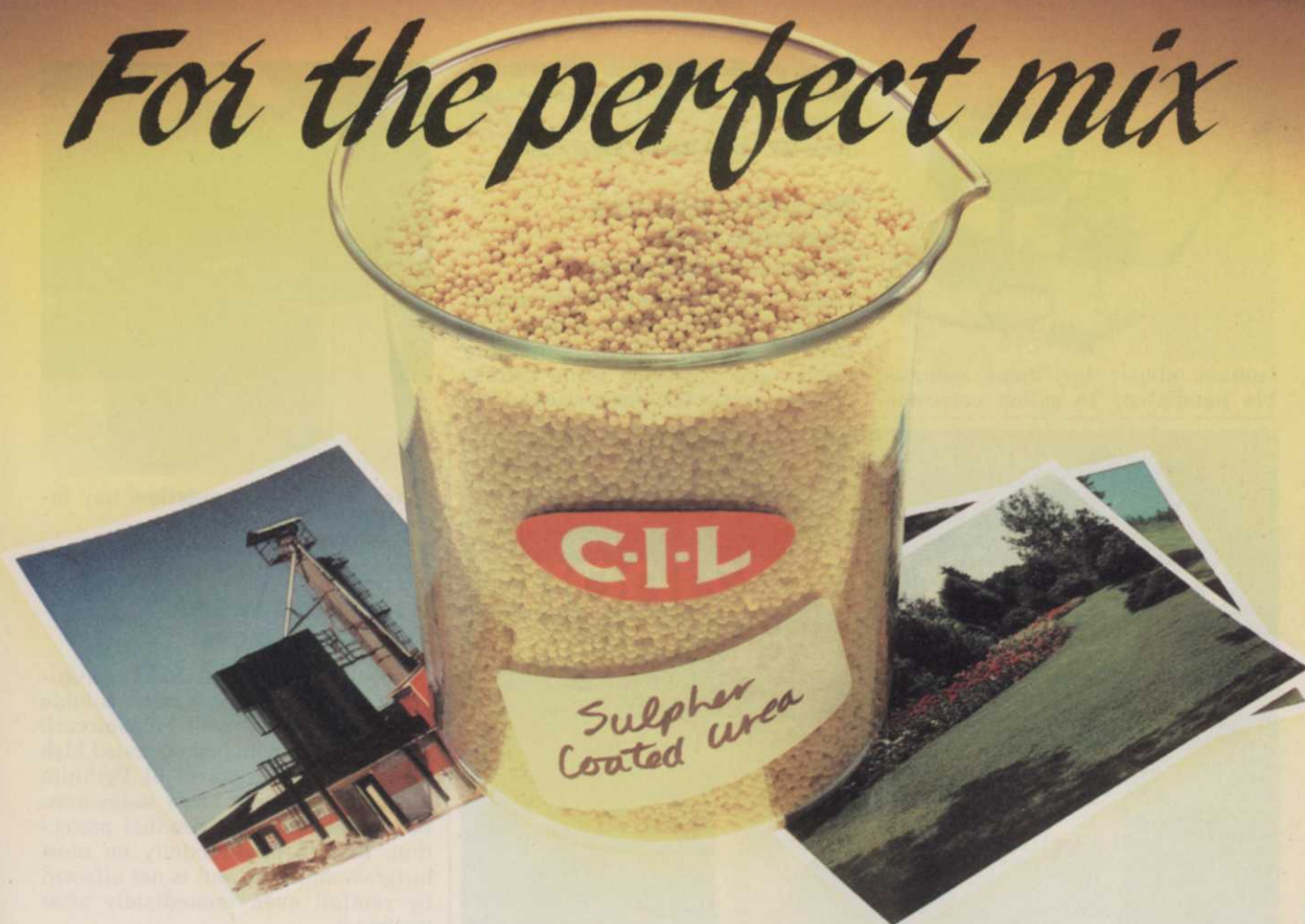
While Woehrle didn't say so in as many words, it is evident that job satisfaction has made his working career a real personal success.

WTT



Just 4 of 118 bunkers on the two courses. Traps are edged and contoured semi-annually.

For the perfect mix



In the plant...

C-I-L Sulphur Coated Urea is a high quality, controlled release nitrogen fertilizer that meets the needs of the blender precisely. Custom-sized, uniform particles reduce the chance of your mix segregating and help produce blended fertilizers that stay blended through shipping and application. Your customer is therefore assured of a consistent, top quality product that will suit his application needs.

Whether you blend it or apply it – ask for C-I-L Sulphur Coated Urea: efficient, effective, economical nitrogen!

Wherever professionals grow turfgrass...

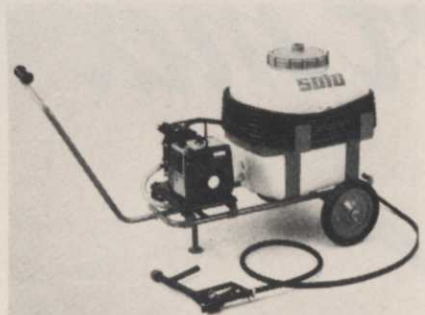
For the plant...

Controlled, primarily moisture-released action; consistent particle size: with C-I-L Sulphur Coated Urea they add up to continuous, balanced feeding for up to five months per application! For the turf care pro, C-I-L S.C.U. offers easy application, even, long-term growth and superior fertilizer efficiency. C-I-L S.C.U. starts working from the moment it's applied, gives more complete utilization of nitrogen with NO nitrate buildup in the soil – and the sulphur is used by the plants when oxidized!



C-I-L Inc.

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features tubular steel frame, removable handlebar, 16 gallon corrosion

proof plastic tank and self-priming, gear driven, double piston diaphragm pump.

Circle No. 182 on Reader Inquiry Card

Decorator planters available from Clean City Squares

Clean City Squares Inc. has introduced decorator planters with anodized or painted bronze finish aluminum frames and aggregate stone panels. Planters available in three sizes and 29



panel styles. Water overflow tray included.

Circle No. 183 on Reader Inquiry Card

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Turf and Ornamental Care Products.



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A complete line of Diazinon® 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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Banol turf fungicide from Tuco Agricultural Chemicals is a water soluble liquid concentrate with Propamocarb hydrochloride with demonstrated high efficacy in the control of Pythium blight. Available in many states now, Banol provides long residual protection, has no phytotoxicity on most turfgrass cultivars, and is not affected by rainfall even immediately after treatment.

Circle No. 184 on Reader Inquiry Card

Flowmeters designed for liquid fertilizers

Ball Products, The Oilgear Co.'s meters are made for high volume capacity and suspension, so solids and particles up to 0.5 inches in diameter can pass through. Long life, easy installation



and low maintenance make the meters suitable for application monitoring to
 Continued on page 80

For information contact:

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Minneapolis, MN. 55413

ROTHWELL SEEDS LTD.

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batching control and custom blending. A universal readout mount allows flexibility for flow metering system design.

Circle No. 185 on Reader Inquiry Card

Insecticide/nematicide labeled for safety

Miller Chemical & Fertilizer Corporation has added a warning label to its Oxamyl 10 percent Granular insecticide/nematicide stating it is for professional use in greenhouses, nurseries,

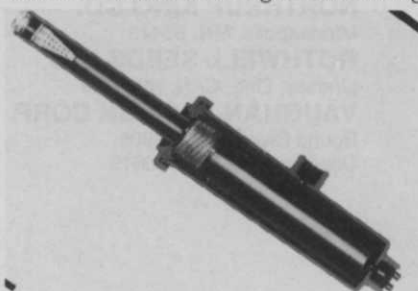
interior plantscaping and for agriculture use on tobacco. The dermal toxicity of Oxamyl 10 percent Granular is in excess of 2500 while oral is 110. It is a granular form of duPont's Vydate and has a systemic activity similar to Vydate Liquid used as a soil drench.

Circle No. 186 on Reader Inquiry Card

Weather-matic has new high-pop spray head

Weather-matic has introduced the no. 36P extra high-pop spray head. Prod-

uct has six-inch nozzle pop-up design for areas with high-cut or low ground uniform water coverage. Measuring



8³/₁₆-inches, the body and cover are constructed of high-impact plastic. Unit is designed to accept Weather-matic 300 series' brass spray nozzles.

Circle No. 187 on Reader Inquiry Card

New mowers, tillers in 1983 Toro line

Toro Co. introduces its 1983 line of riding mowers and tillers. Mowers are designed for large acreage and feature



Briggs and Stratton syncro-balanced engines, four-in-one 32 inch deck for side discharge and rear bagging. Tillers include front and rear tine models



and offer a complete selection of tilling options. Both products have accessory items available.

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"COUNTRY CLUB and 'GREENSKEEPER' Professional Turf Care Products—A Favorite in Golf Course Superintendent's turf programs! 'LEBANON' is committed to holding down prices while providing quality, granulated fertilizers, herbicides, and pesticides. Custom tailor a successful turf care program to fit your budget and obtain maximum results economically: From Tee to Green—'LEBANON' is dedicated to serving your turf care needs.

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- Supplying the professional turf markets for over 40 years.

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