

# ROOKIES

## PRODUCT UPDATE

### GRANULE SPREADER



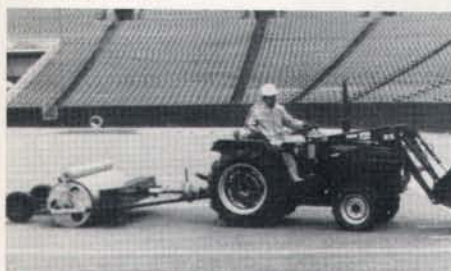
The MG10 Granule Spreader from Maruyama applies seed, fertilizer, or other dry chemicals to small areas simply and efficiently. The spreader provides uniform distribution over an 18-foot-wide range. A pattern can be set for the left or right side or for full 180-degree coverage. The hopper holds the dry equivalent of nearly three gallons.

The MG10 has a ten-position adjustable discharge volume and tank agitator to eliminate clumps or jamming. Its lightweight, chest-carry design is convenient for uneven or difficult terrain where ground-driven spreaders can't traverse. It's also handy for spot seeding or treating tees, worn areas of athletic fields and banks around lakes and rivers.

**MARUYAMA U.S., INC.**

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### WATER REMOVAL MACHINE



The tow-behind Marlin has been added to Kuranda USA's Super Sopper line of water removal machines. It can be towed by any tractor or all-terrain vehicle and can remove up to 6,000 gallons of water per hour from

football and soccer fields, golf course fairways, artificial turf, running tracks, and baseball fields.

The Marlin's six-foot-wide drum holds 33 gallons of water; an auxiliary tank holds another 42 gallons. A 110-gallon per minute centrifugal pump, either PTO or gasoline engine driven, allows for simultaneous pickup and pumping away of water through a hose or spray nozzle. Travel wheels allow the unit to be easily transported from one site to another. They can be either hydraulically or manually raised and lowered.

**KURANDA USA INC.**

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### WEATHER STATION



Water management is more precise with Buckner's Model 39760 Weather Station. The key is the calculation of a reference evapotranspiration rate (ET<sub>o</sub>). Tied to a PC-type computer through a communication cable, it can be used in conjunction with Buckner's COPS irrigation controller program to analyze the required station run times to satisfy turf or agricultural irrigation requirements.

Not only does the weather station provide the necessary information from the environment to properly calculate ET<sub>o</sub>, but it stores the data and provides average

weather data on a daily, monthly and yearly format.

Up to four weather stations can be operated from one system. Readings are taken one every minute, averaged every hour and recorded in a daily log within the memory of the weather station.

Special features include a rain gauge that allows recording of rainfall each day. The weather station is mounted on a steel, zinc plated, powder coated pedestal with a full access door for convenient installation and easy service.

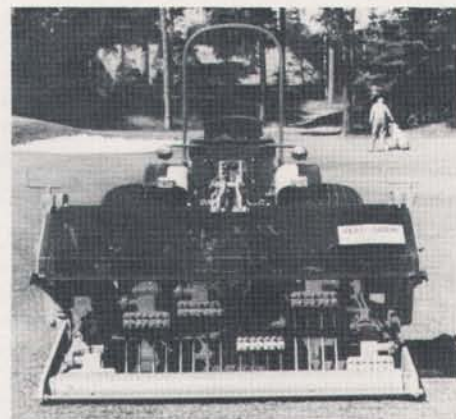
**BUCKNER**

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### DEEP AERATOR

The Model 105.145 Verti-Drain alleviates the most difficult soil compaction problems. Penetration to a depth of 16 inches is possible; according to the manufacturer, this is more than two-and-a-half times deeper than other aerators on the market today.

The units, which are powered by the PTO of a Category I or II tractor, are capable of aerating up to four acres a day. Verti-Drain continuously drives solid or hollow coring tines into the soil to depths ranging from two inches to 16 inches. The rugged, patented design permits the tines to move back and forth, creating a "lifting" effect to the soil. This action combines penetration through the soil pan for vertical drainage with the shattering effect of the compacted layers for thorough aeration. The overall result is a greatly improved soil environment that allows deeper, healthier root systems.



Verti-Drain works well in all types of soils and in a wide range of applications, including golf courses, parks and playgrounds, race tracks, cemeteries, sod farms, tennis courts and athletic fields.

**ENVIRONMENTAL MARKETING INTERNATIONAL**

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# ROOKIES

## PRODUCT UPDATE

### KENTUCKY BLUEGRASS

A moderately low-growing turf-type Kentucky bluegrass with improved disease resistance and drought tolerance will be marketed this fall by three midwestern seed companies. Developed under a joint breeding program with Rutgers University and Jacklin Seed, Freedom Kentucky bluegrass has a medium-green color with exceptional color retention in cool weather and a healthy early-spring color.

Capable of producing an aggressive turf of medium-fine texture and moderately high density, Freedom has demonstrated excellent resistance to stem rust, melting out and red thread. It has also shown good resistance to leaf rust and dollar spot. It also exhibits strong tolerance to drought.

Freedom is well-suited for use in blends with other well-adapted persistent cultivars of Kentucky bluegrass. Desirable mixtures may also contain improved turf-type perennial ryegrasses, strong creeping red fescues, and/or improved turf-type tall fescues. These blends and mixtures are recommended for use on parks, athletic fields, institutional grounds, golf courses and school play areas in regions where Kentucky bluegrass is well-adapted for turf use.

Freedom will be marketed by Vaughan's Seed Co., Downers Grove, IL; Beckmann Turf and Irrigation Co., Chesterfield, MO; and Arkansas Valley Seed, Denver, CO.

#### VAUGHAN'S SEED COMPANY COMPANY

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### VERTICUT ATTACHMENT



Thin-Cut attachments from Lesco, Inc., make managing thatch easier by allowing light, frequent vertical mowing with no additional manpower.

The attachments, which go on both the company's 300 Greensmower and its 500 Fairway Mower, remove horizontal blades and runners of turfgrasses. This permits a cleaner, more consistent cut. The result is a faster, smoother, more uniform surface on greens, tees and fairways, without lowering the cutting height. For maximum effi-

ciency, the 22-inch Thin-Cut reels have 88 blades and offer a standard blade spacing of .25 inches. Blades are easily removed to adapt spacing to individual course requirements.

#### LESCO, INC.

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### ALGAECIDE



Control algae effectively in lakes, ponds and waterways. Cutrine-Plus algaecide, available in liquid and granular formulations, solves problems with filamentous (moss), planktonic (suspended) and bottom-growing (chara) forms of algae without having to restrict water use for irrigation, swimming, fishing or stock watering. It is even used in drinking water reservoirs.

Specially formulated for use in all types of water qualities, this concentrated chelated copper product is environmentally compatible and economical to use. Depending upon types of algae present and water depths, typical dosage rates range from 2 to 4 gallons per acre.

#### APPLIED BIOCHEMISTS, INC.

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### DISEASE DETECTION KIT

Agri-Diagnostics has developed simple kits which sports turf managers can use to detect the likelihood of three leading turf diseases, brown patch, dollar spot and *Pythium* blight.

While the kits are easy to use, they are based upon a complex scientific reaction between disease organisms present in the



turf and antibodies produced by plants to fight them. The company has reduced a laboratory procedure down to a simple litmus test in which a test strip is inserted into a solution of ground-up turfgrass tissue. A small meter is used to read the darkness of the strip to reveal the level of fungi present.

Repeated during the growing season, the test can warn the turf manager when fungicide applications should be made or repeated. It can also report when applications are not necessary saving both time and money. It allows turf managers to make more timely and accurate disease management decisions, which would enhance the benefits of fungicides and slow the development of resistant strains of fungi.

#### AGRI-DIAGNOSTICS

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### AUTO-STYLE DASHBOARD



The 1988 four-wheel PARCARS feature a new automotive-style console/ dashboard. A convenient dash-mounted key switch controls forward and reverse directions. You choose the direction the golf car goes with the turn of the key.

The dashboards have added space in which a security glove box or stereo may be mounted. Other conveniences include extra ball holders for golfers and drink holders enlarged to fit any-size drink.

#### COLUMBIA PARCAR CORP.

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# ROOKIES

## PRODUCT UPDATE

### TEE MARKER



Golf course logos and hole numbers can be easily highlighted and identified with the new Wedge Tee Marker. The marker is made of tough, weather-resistant Cicolac, providing for long durability.

Molded finger grips make the marker easy to place and to move. It is anchored by a sturdy galvanized steel stake, and has a wide, highly viewable surface—making it ideal for screen process printing or for the application of decals. It is available in red, white, blue or yellow.

**STANDARD GOLF COMPANY**

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### HYDROSTATIC DRIVE MOWERS



Dixie Chopper mowers now feature full hydrostatic drives. Available in 42-inch, 50-inch, and 60-inch sizes, these new models eliminate all drive chains and sprockets.

The 42-inch model is the most powerful in its class and is heavily constructed to meet the requirements of commercial cutters. Features include one-piece formed steel frame, twin path hydrostatic axle and electric mower drive clutch. The sports turf manager has a choice of 16 or 18 hp Kohler engines.

The 50-inch and 60-inch models are equipped with 24 hp Onan engines. Standard features of the larger models include twin Eaton hydraulic pumps and White wheel

motors, 3 1/2-gallon hydraulic supply and formed steel high-pressure hydraulic lines.

Standard on all three models are simple, convenient operational controls, stainless steel front panel and fenders, superior design side-discharge mower deck, heavy duty spindles and large low-pressure tires.

**MAGIC CIRCLE CORP.**

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### SPREADER/TOPDRESSER



The versatility of Hahn's Multi-Pro 44 turf vehicle has been expanded with the addition of a spreader/topdresser attachment. The unit can distribute 600 pounds of dry sand per minute in a 12- to 20-foot-wide swath or fertilizer in a 45-foot-wide pattern.

The spreader features a 17-cubic-foot steel hopper and a new drive system using a cog belt instead of a chain drive. The delivery rate of the material and the pattern can be adjusted by controls which can be reached from the driver's seat.

An optional PTO kit allows the spreader to be attached to the three-point hitch of a tractor.

**HAHN, INC.**

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### TURF CONDITIONER

The vibrating blades on Yeager-Twose Turf Conditioners break up subsurface compaction as deep as eight inches with minimal surface disturbance and without pulling plugs. The playing surface can be used immediately after cultivation.

The blade depth can be set from one to eight inches. Adjustable pressure rollers level and firm the edges of slits behind the blades.

Benefits include no messy plugs, the promotion of healthy root development, a dramatic increase in water percolation, the pro-

motion of aeration and better drainage, and better penetration of fertilizers and chemicals.

Two models are available, a 27-inch wide model and a 70-inch model.

**YEAGER-TWOSE**

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### SOIL LAB



The Turf Lab Model TL-1 test kit provides on-site evaluations of turf- grass soils. An improved colorimetric test method is used to achieve quantitative measurements for pH and phosphorous. Utilizing an Octa-Slide comparator, permanent translucent color standards are compared to clear liquid test samples for more accurate readings.

The Turf Lab checks potassium levels by using a unique turbidity reading device. Each test kit includes reagents for 200 total tests, a six-inch brass soil sampler, soil report forms and a copy of the 60-page LaMotte Soil Handbook. All components fit into a rugged carrying case for use in the field or in the lab.

**LaMOTTE CHEMICAL PRODUCTS COMPANY**

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### DWARF KENTUCKY BLUEGRASS

Amazon Kentucky bluegrass is now available in the United States. A dwarf variety from Sweden, Amazon was a winner in turf quality ratings at the University of Beltsville and the University of Manitoba. It also tied for first place in national drought tolerance tests, an important factor in any competitive turf seed mix today.

Amazon sports a medium dark green color and greens up early in the spring. It performs well in seed mixtures and under relatively low mowing heights.

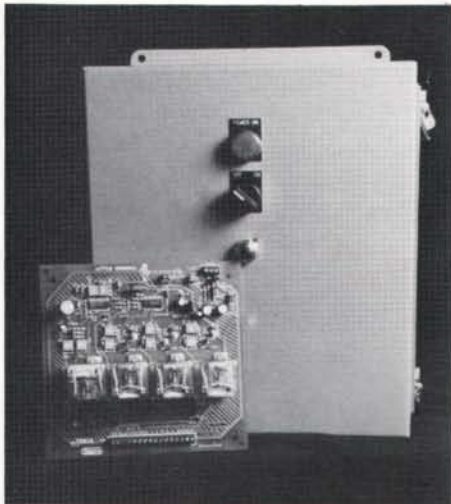
**JACKLIN SEED COMPANY**

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# ROOKIES

## PRODUCT UPDATE

### AUTOMATIC PUMP CONTROLLER



Irrigation system efficiency today depends largely on controlling the energy consumption of the pumping system. Selectric's Little General combines the latest in pumping system control sequencing with solid state technology that allows easy on-site field adjustment without the stress of complicated programming procedures. The system provides automation and energy savings in one package.

The Little General starts and stops one variable frequency speed drive and up to an additional three full voltage pumps, maintaining constant pressure or flow. By avoiding peaks and valleys in pressure and flow, energy consumption can be reduced significantly.

**SELECTRIC INC.**

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### IRRIGATION COMPUTER

Valcon has designed its new V-III Irrigation Computer to provide the latest solid-state programming features for irrigation systems growing in size and complexity. A single V-III can control up to 48 valves with features such as six start times per day, water budgeting from ten to 300 percent and two-way communication. As the irrigation system grows, the controller becomes a satellite in part of a computerized central irrigation system.

System options include a pump start/master valve module, interface for remote radio control, a communications module and other components to operate the V-III as a powerful stand-alone or a satellite in a central irrigation system. A special

feature is the ability of the controller to communicate with flow sensors at the valves to detect and shut down stations with malfunctioning heads.

A 30-minute VHS 1/2-inch tape covers the step-by-step programming process for

the computerized controller. The tape is clear, concise and to the point, and includes a trouble-shooting section anticipating any problems that might occur on initial set-up.

**VALCON**

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# SCOREBOARD

## CLASSIFIEDS

**CLASSIFIED ADVERTISING RATES: \$40.00 per inch payable in advance. One inch minimum. There are about 50 words per inch. Send copy with check for \$40.00 at least four weeks prior to issue date to: Classifieds, sportsTURF magazine, P.O. Box 8420, Van Nuys, CA 91409. Blind box numbers are available. Special borders and rules will be billed at display advertising rates. Classified ads are not commissionable.**

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WITH

THE REDDER, LESS DUSTY  
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### POSITION WANTED

Class A golf course superintendent with 20 years experience seeks challenging position with leading company. Knowledgeable in all phases of construction and management, irrigation, drainage, water treatment, and osmosis plant operation. Worked with leading architects. Designed and installed over 500 irrigation systems. Contact: Jack Ostrander, CGCS, 75 Tortuga Rd., Palm Springs, FL 33461, (407) 969-0727.

### GROUNDS MANAGEMENT SPECIALIST

Servicemaster is a leader in providing management services to colleges, universities and school districts across the Midwest. Our Grounds Management has literally grown to the extent that a new position in our company has been created — Grounds Management Specialist. The responsibilities of this new position will include:

- provide on-site technical grounds management support,
- insure the successful establishment and maintenance of grounds management operation,
- support the sales team in marketing and costing the Servicemaster Grounds Management Program,
- develop and provide training opportunities for groundskeepers and managers,
- provide vision and leadership to the Servicemaster Grounds Management Program insuring that the program continues to meet our customers' needs.

We want someone with minimum education of a Bachelor's degree in a related field of study and 2-4 years of experience. For selected applicant we provide an outstanding salary that includes company-paid insurances and profit sharing and stock purchase plan. Travel in this position is a must with your home base in St. Louis. If interested send your resume and salary in confidence to:

Larry Fitch, **Servicemaster Management Services**, 400 Chesterfield Center, Suite 510, St. Louis, MO 63017. An equal opportunity Employer

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