

# ROOKIES

## PRODUCT UPDATE

### VERSATILE MACHINE FOR TURF MAINTENANCE



The versatile Kromer utility vehicle can apply paint for line-marking athletic fields, dispense chemicals for weed and insect control, or pull cultivating and leveling attachments for conditioning baseball diamonds.

The multi-purpose turf-maintenance machine has an eight-hp heavy-duty engine, which drives a hydrostatic transmission. This allows for forward and reverse movement with a single foot-pedal control.

A 12-volt diaphragm pump for line painting and weed control, and a 25-gallon tank are standard features. A 50-gallon tank is available.

#### KROMER COMPANY

Circle 112 on Postage Free Card

### PORTABLE RADIO



The MTX-900 series portable radio from Motorola, Inc., operates on both trunked and conventional radio systems. It offers the additional benefit of functioning as a portable telephone.

The dual-mode portable can operate on multiple systems, including up to six different Motorola 900 MHz privacy-plus radio systems, up to 18 conventional channels, or a combination of both.

The privacy-plus system allows for private person-to-person communications that cannot be monitored from other internal or external sources. The radio can be easily switched from trunked to conventional operation.

In addition, a "talkaround" feature allows communication between portables over the same frequency, even when the repeater is out of range.

These radios provide call-alert paging (decode), using distinct audible tones to inform the user that an incoming call is specifically for that user.

The radio includes an audio-enhancement feature, which provides clearer communication by minimizing distortion and the popping sound that sometimes occurs in radio-voice reception.

The MTX-900 Model B4 is offered with a keypad that allows access to local telephone lines for half-duplex conversations. This enables the radio to function as a portable telephone in either the conventional or trunked mode.

#### MOTOROLA, INC., COMMUNICATIONS SECTOR

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### TEN-GALLON AUTOMATIC FERTILIZER INJECTOR



A ten-gallon model of the Add-It automatic fertilizer injector is now available from TFS Systems.

The new model features a horizontal design, with flexible tubing leading to the mainline water supply. This allows the user greater freedom in placing the injector in a convenient location. A five-gallon tank in this configuration is also available.

The tank was designed primarily for large commercial users, such as golf courses, parks, stadiums and other large turf areas requiring fertilization.

The injector, which is available in eight other sizes, is simple to install and easy to use. It requires no outside power source to operate, has less than two pounds pressure loss, and has no moving parts.

#### TFS SYSTEM

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### GRANULAR INSECTICIDE



Lebanon Insect Control with Sevin 7G is suitable for use on lawns, parks, golf courses, and other professionally maintained turf areas.

When used as directed, the product will provide effective control of turfgrass pests, including white grubs, armyworms, chinch bugs, cutworms, earwigs, grasshoppers and ticks.

As a perimeter treatment around buildings, it offers effective residual control of nuisance pests, including ants, brown-dog ticks, carpenter ants, cockroaches, fleas and spiders.

The insecticide is on a cob base, which enables easy application with a lawn spreader. For best results, follow specific directions for proper watering or irrigation after application.

#### LEBANON TOTAL TURF CARE

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# ROOKIES

## TRIPLEX MOWER



High-quality engineering, rugged, reliable construction, and top performance in a wide range of conditions make the Brouwer Triplex 376A Mower a tough competitor.

Designed with the professional in mind, the mower offers many new features and low-cost maintenance. It is ideal for schools, parks, golf courses, and landscape maintenance projects.

**BROUWER TURF EQUIPMENT, LTD.**

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## TURF AERATOR



Powered by a 20-hp Kohler engine, the Riding Aerator from Salsco, Inc., is designed for greens, tees, fairways, sports fields, and other large turf areas. With variable core spacing from one to six inches, the unit is capable of aerating over 60,000 square feet per hour.

The tines, raised and lowered hydraulically, are driven by a camshaft free-floating tine system. The operator is able to adjust hole spacing to conditions without stopping the machine.

The commercially designed turf aerator is built with four-inch-square steel tubing and 3/4-inch steel plate.

**SALSCO, INC.**

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## CALCINED-CLAY SOIL AMENDMENT

Duraplay, a calcined-clay soil amendment manufactured by Sportsfields, Inc., can help solve three major problems regarding the playability of athletic fields.

According to the manufacturer, the soil amendment drains more than twice as fast as sand, so excess water vanishes fast enough to resume play following a downpour.

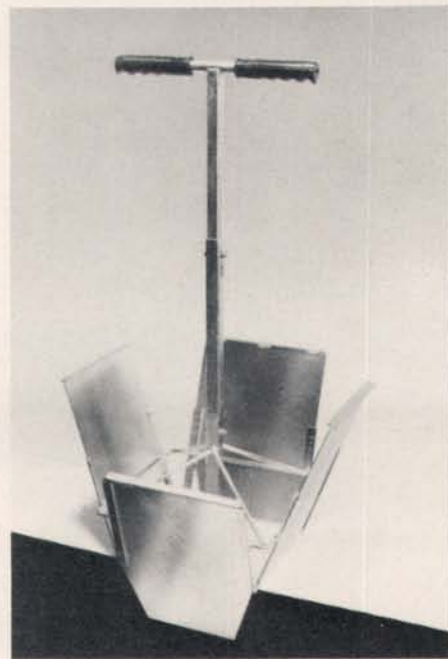
It reduces compaction to provide a better growing medium for the turf. The amendment also improves footing on the skinned areas, improves the playability of the surfaces, and reduces maintenance on the skinned surfaces.

In addition, it corrects moisture retention for a healthier turf, improved rooting, and less watering.

**SPORTSFIELDS, INC.**

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## SOD REPLACEMENT TOOL



Replace damaged sod quickly and cleanly with the Turf Doctor from Standard Golf Company. Simply step the four razor-sharp blades into the ground and remove a wedge-shaped block of sod.

Seams of the replaced sod can barely be seen, and the patched areas are held securely as the wedged shape leaves a pyramid of the original soil between the patches.

The galvanized-steel implement causes very little root damage. The square sod blocks can be butted against one another with no unsightly holes or gaps. Repaired golf greens can be played on immediately.

**STANDARD GOLF COMPANY**

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## TRACTOR LOADERS



Ford New Holland has introduced three industrial tractor loaders, the C Series, that are engineered for productivity and performance.

The Model 345C is equipped with a 3,000-pound lift capacity direct-linkage loader that provides 4,700 pounds of breakout force.

Model 445C has a 4,000-pound lift capacity four-bar linkage loader with 6,350 pounds of breakout force.

Model 545C is equipped with a 5,000-pound lift capacity four-bar linkage loader that has 8,500 pounds of breakout force.

Each tractor loader is available with a choice of three transmissions: A 4x4 power-reversing transmission that improves performance for loading and grading applications, an 8x8 power-reversing torque-converter transmission coupled with a full-power, 540 rpm independent PTO that provides ground-speed control for jobs ranging from tilling to grading to mowing, and a 6x4 manual-reversing transmission with an independent PTO.

The loader arms have been redesigned for greater strength and durability, and the newly designed loader buckets have dual lifting hooks. Bigger-capacity hydraulic pumps add more power to the loader. O-ring face-seal hydraulic fittings keep the tube and hose coupling dry.

**FORD NEW HOLLAND**

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# ROOKIES

## PRODUCT UPDATE

### VERSATILE BLOWER/VAC



The Saxon Blower/Vac II, from D.E. Wolfe Metal Fab Company, vacuums into four-foot-wide spaces, enabling it to fit easily between shrubs and trees, through gates, and in various tight spots. The powerful unit picks up leaves, clippings, thatch debris, pine needles, and parking-lot trash.

The heavy-duty blower/vac is about 54 inches high, 66 inches long, and 48 inches wide. It rides on three wheels and weighs approximately 400 pounds.

The unit holds two cubic yards of debris in the hopper, dumps automatically, and blows from eight to ten feet, depending on the material. It is powered by a 12-hp gas engine.

Operators can perform all functions from the tractor seat. It takes just seconds to switch from the blower mode to the vacuum mode by pulling on a lever.

**D.E. WOLFE METAL FAB COMPANY**

Circle 122 on Postage Free Card

### VERSATILE TURF TRACTORS



Ariens has introduced a pair of versatile turf tractors, the 20-hp GT20 and the 18-hp HT18. Both are powered by twin-cylinder Kohler electric-start engines.

46 *sportsTURF*

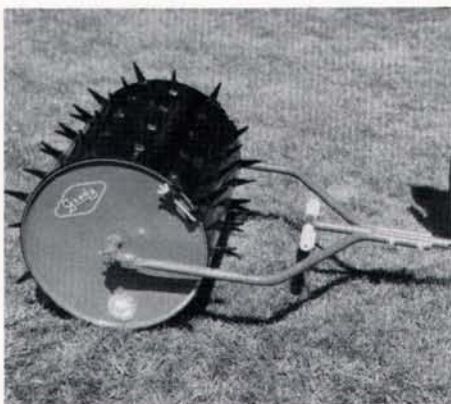
The tractors accept optional attachments and accessories including Ariens 42-, 48-, and 60-inch mower decks which adjust to changing terrain to prevent scalping, and a 12-bushel bagger/vacuum collection system that vacuums up clippings and leaves.

Other features include a direct-shaft drive, disc brakes, a 4½-gallon fuel tank, large pneumatic turf tires, an adjustable super-cushion seat, and three standard PTO positions for easy operation of a wide variety of lawn-and-garden attachments.

**ARIENS**

Circle 123 on Postage Free Card

### CONVERSION AERATOR ATTACHMENT



A clamp-on aerator attachment will convert a Gandy Company 18-by-24-inch lawn roller into a durable core aerator.

The aerator attachment's cylindrical shell, made of 11-gauge steel, is engineered in hinged halves that clamp quickly around the existing roller drum and are secured with a threaded hook bolt.

The 2½-inch-long angled spikes are welded six inches apart for soil aeration. They also provide pockets to hold seed and fertilizer. Depth of penetration is controlled by the fill weight of the roller and the direction of travel. The attachment has a thermoset polyester-coated black finish.

The accompanying roller will hold up to 280 pounds of water and has a large easy-fill opening sealed with an expansion plug. The rugged internal shaft is solid through the drum, and the handle bearings have regreasable fittings. The handle is designed to convert quickly from a tow hitch for covering large areas with a lawn tractor to a push handle for working in confined spaces.

**GANDY COMPANY**

Circle 124 on Postage Free Card

### SPORTS TURF ROTOR



Featuring outstanding close-in watering and a superior distance-of-throw, the Rain Bird R-70 Rotor is designed for operation on any large turfgrass application.

The model's self-cleaning, water-lubricated piston drive allows sandy or effluent water to pass straight through the rotor, minimizing costly service and downtime. In addition, the piston drive uses less than two percent of the water passing through the unit to drive the head, increasing distance of throw without increasing pressure requirements.

The color-coded, interchangeable nozzles contribute to the increased distance of throw by minimizing water turbulence. The nozzles also ensure excellent close-in watering by providing improved water distribution from the rotor to the end of the stream.

Other features of the rotor include the Seal-A-Matic (SAM) check valve, which ensures zero water loss by eliminating low-head drainage. The SAM device can hold up to 15 feet of head. A low angle of trajectory (23 degrees) and a constant rotation speed mean minimal wind interference and water loss, as well as even distribution that is not affected by pressure fluctuations.

For added safety and vandal resistance, the rotor features a small, 2½-inch exposed-case diameter. In addition, an optional rubber cap provides extra protection against injury.

Available in full- and part-circle models, the rotor has a maximum pop-up height of 3¼ inches, making it ideal for tall grass. Arc adjustment of 15 to 355 degrees on the part-circle model requires no tools.

**RAIN BIRD SALES, INC.**

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# Look at it this way.

## Is there really any other choice in grub control?

CHIPCO® SEVIN® brand SL carbaryl insecticide consistently demonstrates effective control of the most damaging species of white grubs. Plus control of 29 other destructive turf pests—including sod webworms, chinch bugs and bluegrass billbugs. It even provides dependable control of more than 86 insects known to attack trees, shrubs and ornamentals. And CHIPCO® SEVIN® brand SL carbaryl insecticide gives you all this control at a cost of only about one dollar per 1,000 sq. ft. But the advantages don't stop there. CHIPCO® SEVIN® brand SL carbaryl insecticide is ideal for control of nuisance pests such



as ants, fleas, ticks and mosquitoes that thrive around the perimeters of your course. And it's easy to apply. There's no need for special protective clothing, no odor, and play can be resumed as soon as the spray has dried. CHIPCO® SEVIN® brand SL carbaryl insecticide is low in toxicity to fish, and other formulations of SEVIN® brand are used for control of pests on household pets, poultry and some game birds. When you add it all up, is there really any other choice in grub control?

## Chipco® Sevin® SL

Brand Carbaryl Insecticide



As with any crop protection chemical, always read and follow instructions on the label. CHIPCO is a registered trademark of Rhone-Poulenc. © 1989 Rhone-Poulenc Ag Company  
CHIPCO SEVIN is a registered trademark of Rhone-Poulenc for carbaryl insecticide.

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# ROOKIES

## PRODUCT UPDATE

### HYDRAULIC CONTROL MODULE

The HCM-12 hydraulic control module may be the answer to the golf industry's demand for a product that ties the advanced technology of electric controllers to the simplicity of hydraulic rotors.

The control module has a 12-station output capacity and is easily installed in any Rain Bird stainless-steel golf controller pedestal. It is constructed of corrosion-resistant materials to withstand the rigors of the golf course environment. The unit is completely serviceable in the field.

This versatile module is equally compat-

ible with the sophisticated MAXI System IV Computer Control System as well as the MC-3S Master Satellite System. It is also adaptable to Rain Bird turf controllers for use in commercial turf hydraulic applicators.

**RAIN BIRD SALES, INC.**

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### TREE TRANSPLANTERS

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has specialized in the construction and renovation of natural turf athletic fields. To date, Sportsfields, Inc., has been involved with at least 150 athletic fields. In 1988, we were involved with Soldier Field (Chicago Park District and Chicago Bears), the new fields for the Ed Smith Sports Complex (City of Sarasota and Chicago White Sox) and we renovated the infield at Jackie Robinson Stadium (UCLA). Sportsfields, Inc., has focused our attention to the professional standards required to have a major league playing field.

Call or write for our brochure at:

P.O. Box 615, Blue Island, IL 60406, (312) 371-0917.

### TURF COURSE SUPERINTENDENT

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### SPORTSTURF SAND SLIT MATRIX

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Progressive, dynamic and motivated individual seeks position as Operations Director or General Manager. Credentials include nine years management of large, private, commercial and developmental properties. Horticultural, turf and cost-efficiency expert. College degreed. Excellent leader. For resume and references contact Bob at (914) 724-5293, NY.

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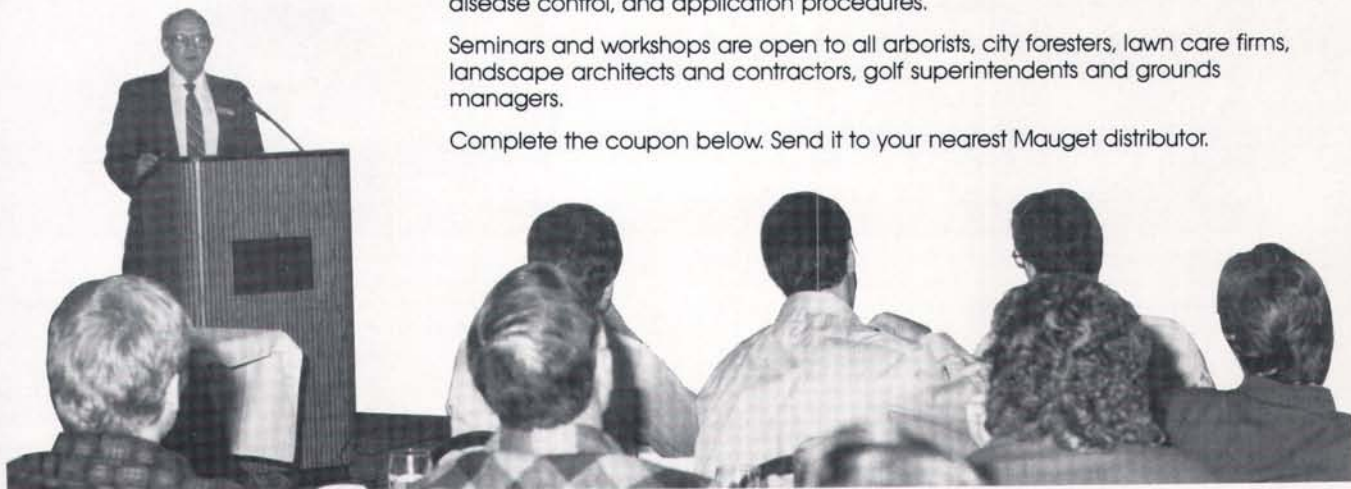
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**J.J. Mauget Company**



*Dollar Spot first appears as yellow-green blotches on grass blades. Overall view of affected area shows patches from a few inches to several feet in diameter. Treat preventively at a rate of 1 oz./1,000 sq.ft. every 28 days.*



*Summer Patch first appears as small patches of light green turf but can fade within hours to a light straw color. Research indicates best results are obtained with a preventive application of 4 oz. when soil temperature reaches 60-70°, followed by a second application 30 days later.*



*Red Thread, in its latter stages, is distinguished by the presence of bright coral pink thread-like structures 1/16-1/4 inch in length. Use Banner preventively, before disease problems begin, with 2 oz. every 14-21 days.*



*Anthracnose is most severe on Poa annua and first appears as irregular patches of yellowing turf which eventually turn bronze before fading to light tan. Prevent damage with 1-2 oz. of Banner every 14-28 days.*

## The first preventive fungicide that le

For years, medical science has known that to achieve the most effective control, different diseases often require differing methods of prescriptive treatment.

Yet only now, with Banner,<sup>®</sup> are you finally able to gain the same sophistication in the prevention of diseases on turf.

Because Banner is a truly

unique systemic fungicide. With a broader spectrum of control and a more efficient method of treatment than any other yet devised.

Instead of one indiscrim-





*Powdery Mildew gets its name from the early stage growth of a gray-white powdery fungus on the leaf surface. In cases of high incidence, entire turf areas may appear dull white. Prevent fungus growth with 1-2 oz. every 14-28 days.*



*Rust shows up first as light yellow flecks on the grass leaves. If left untreated, leaf surface will eventually rupture and yellow-orange or reddish-brown pustules develop. Preventive treatment calls for 1-2 oz. every 14-28 days.*



*Spring Dead Spot\* appears as circular, straw-colored patches on Bermudagrass leaves just as they begin to green-up in spring. The rest of the plant is affected with black to brown dry rot. University research indicates preventive control can be obtained with 4 oz. applied in the fall.*



*Brown Patch is recognized by a "frog-eye" pattern formed by the diseased turf encircling green, unaffected plants. For prevention, apply 2-4 oz. every 10-21 days. If disease is already present, apply 2 oz. with a registered contact fungicide.*

## You treat each disease on its own turf.

inate rate, Banner gives you the precision to treat up to a total of twelve specific turf diseases with their own recommended rates, timing, and frequencies.

Rates that, in many cases, are lower than those that are required with other turf-grass fungicides.

Which means Banner isn't just an intelligent way

to effectively prevent disease, it's an intelligent way to prevent spending more than you have to.

