

ROOKIES

PRODUCT UPDATE

PREGERMINATION BAGS



A new concept for pregerminating a wide variety of grass seeds has been introduced by Liquid Sod, Inc. The method increases seed yields while reducing turf establishment time.

The pregerminating bags provide durability and portability with minimum space utilization. Special features include an efficient aerating method that reduces fermentation; a screened drain plug for reduced handling and seed loss; and a capacity of over 50 pounds.

Pregermination provides a controlled germinating environment for faster turf establishment; reduced vulnerability to erosion; enhanced competitiveness against weeds; and protection against seed-consuming predators.

Liquid Sod has a full line of supplies for pregermination including bags, bag stands, pregerminating solution, and application equipment.

LIQUID SOD, INC.

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LIGHT FAIRWAY MOWER



Featuring newly designed 22-inch reels, the Model LF-100 lightweight fairway mower from Jacobsen Turf Equipment is said to give operators "a new level of fairway care."

The machine has a productive 100-inch cutting width and a powerful diesel engine. The outer reels are positioned up front for easier mowing and increased productivity.

All the units made in the first week of production were field tested to ensure that they performed as promised. All aspects of the mowers were checked in these field trials—from cutting quality, speed, and climbing power to hydraulic pressures.

JACOBSEN TURF EQUIPMENT

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BUNKER RAKE



John Deere has introduced the Model 1200 bunker rake for golf course maintenance professionals. The two-wheel-drive unit is powered by a ten-hp, four-cycle Kawasaki engine.

The unit has a six-to-one steering ratio for easy operation; wet clutch; differential lock; mechanically operated disk brakes; quick-lock parking brake; and standard rear hitch.

Other features include high-flotation tires; variable speed up to 11 mph; hinged cowling for simple service access; 78-inch rake; a choice of smooth or serrated rake blades; and optional cultivator, light and front blade.

JOHN DEERE

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LAKE DYE

A lake-and-pond dye designed to impart a natural-looking blue coloring to water has been developed by Precision Laboratories, Inc.

Long-lasting True Blue lake-and-pond dye is a nontoxic, odorless solution, which may be applied to golf course ponds, corporate and park ponds, lakes, fountains, water hazards and retention ponds.

The highly concentrated liquid is economical. One gallon will effectively color four acre-feet of water, approximately 1,250,000 gallons.

Tested by independent agencies, the solution is harmless to fish, wildlife and other aquatic species. Once applied, it will mix and disperse throughout the body of water via wind and water currents.

PRECISION LABORATORIES, INC.

Circle 284 on Postage Free Card

BOOM SPRAYER MARKER



A new foam marker for use with boom-type sprayers has been introduced by Lesco, Inc. The marker, used on large, open turf areas such as golf courses, parks and commercial sites, is designed to prevent costly skips and overlaps when applying chemical products or fertilizers.

The foam generators mount on the ends of the boom instead of at the foam tank. This greatly reduces the air pressure required to create the foam, and ensures smaller bubbles and thicker, longer-lasting foam.

A precise air/soap mixing system works like a carburetor, metering the soap flow into the air flow to ensure consistent foam and delivery.

The adjustable marker provides uniform marks at least two inches wide and four to six inches long at five- to 100-foot intervals. One switch controls the flow of the solution on either side of the boom.

The clog-free system can be mounted on booms up to 90 feet long. Features include a five-gallon, stainless-steel tank and cover; four stainless-steel solenoids and a heavy-duty, diaphragm-type air compressor. The unit requires a 12-volt, nine-amp power supply.

LESCO, INC.

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ROOKIES

PRODUCT UPDATE

STEEL SIGNPOSTS



The heavy-duty steel signposts from Par Aide Products Company are self-installing and self-removing. Notices or direction and

caution signs can be posted when and where they are needed in just minutes, without tools.

To install the 60-inch black-enameled posts, simply unlock, twist, lift, and drive them 12 inches into the turf. Removal is just as easy, once you know the secret.

White, preprinted and blank signs attach to a steel-rod hanger with S-hook fasteners. The 2mm all-weather plastic signs are 12 by 18 inches.

PAR AIDE PRODUCTS COMPANY

Circle 287 on Postage Free Card

GRASS TRIMMER

Able to stand up to the tough treatment normally associated with professional models, the model F-18 grass trimmer features a spunky 18.5cc two-cycle engine that delivers a remarkable 0.8 hp.

A pro-style open-engine design makes the machine easily serviceable. Features include a Bump'n'Cut trimmer head for easy line indexing, electronic ignition, diaphragm all-position carburetor with a primer bulb for easy starts.

SHINDAIWA

Circle 255 on Postage Free Card

SPRAY PATTERN INDICATOR

Becker-Underwood, Inc., has introduced a special purpose spray pattern indicator called Bas-Oil Red.

The completely soluble, bright red spray marker is designed for systems which use petroleum-based chemicals and diluents. It is specially designed to enhance the spray accuracy for basal treatments, dormant stem and cut stump herbicide treatments.

Bas-Oil helps prevent skips and double applications and minimizing drift. The highly visible dye leaves a mark on the bark or stem for up to two months.

BECKER-UNDERWOOD, INC.

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SPOTSEEDER ATTACHMENT

A new attachment for the Ryan Ren-O-Thin Power Rake and Dethatcher makes it easy to reseed bare spots and damaged turf.

The Spotseeder mounts on the front of the unit, and with the flick of a lever its drive wheel engages the front wheel, activating the seeder.

The hopper holds from 15 to 25 pounds

of bluegrass seed, depending on seed density. An adjustable metering gate accommodates any type of grass seed. Seed openings spaced every 1/2 inch on centers assure good seed coverage. The dethatching blades power-rake the seed into the surface for better germination and stand.

The Spotseeder is available already mounted as a factory model, or as an attachment for existing Ren-O-Thin models III and IV. The attachment weighs approximately 30 pounds. It is available with three fixed-position blade reels or a flail-type reel, making it adaptable to any type of turf condition.

RYAN/OMC LINCOLN

Circle 292 on Postage Free Card

MOISTURE SENSOR



Turf-Tec International has added a moisture sensor to its line of diagnostic tools. This tool adjusts to check moisture at depths from one to six inches in the soil profile.

Such a sensor can be one of the most important instruments on sports fields or other highly maintained turfgrass areas. It helps to minimize guesswork when doubt exists regarding the amount of moisture in the soil. It also helps to eliminate the possibility of under- or overwatering.

Readings on the scale are in percentages of moisture, and slight variations can be noted on the meter as well. Irrigation cycles can be adjusted to the infiltration rate of the soil quickly and easily.

TURF-TEC INTERNATIONAL

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ROOKIES

PRODUCT UPDATE

MULTIPURPOSE ATTACHMENT



A landscaping machine designed specifically for the professional has been introduced to the grounds-maintenance market.

This all-purpose implement, the Total Landscape Machine (TLM), combines the functions of several tools, thus reducing the amount of equipment, manpower, and time needed to complete a job.

The TLM, manufactured by Gill Industries, Inc., features two reversible 1/2-by-six-inch cutting edges; six retractable scarifier shanks; two rows of staggered eight-inch teeth; and a spring-loaded six-inch pulverizing roller.

In addition to these specifications, the unit can self-load up to a 1/2 yard of material and transport shrubs and other substances. The machine also has a unique clamshell feature that enables the operator to pick up poles, rocks, and other heavy objects.

GILL INDUSTRIES, INC.

Circle 277 on Postage Free Card

LARGE-CAPACITY TOPDRESSER

Topdressing large quantities of sand or special mixes is one of those jobs which seems unending. The task requires a number of personnel, and involves a considerable amount of time as well as physical effort.

The Easy Spread topdresser from Environmental Marketing International solves all these problems. This well-constructed, large-capacity machine allows one person to load, transport and apply a

controlled amount of topdressing without getting out of the tractor.

The unit is designed with a hydraulically-operated, self-loading hopper, a wheel-driven dispensing drum, and a topdressing control gate, which is adjustable from the tractor cab.

A chain-driven agitator bar ensures smooth and reliable feeding of the materials to the drum. The unit mounts on the standard three-point hitch of a category-one tractor.

The operator can load the 1.25-cubic-yard hopper, move the topdressing material to the work site, and dispense the dressing in the desired thickness in carefully controlled amounts.

ENVIRONMENTAL MARKETING INTERNATIONAL

Circle 281 on Postage Free Card

SEED TREATMENT



Apron-FL, a systemic fungicide seed treatment, is now available from Gustafson, Inc. The active ingredient is metalaxyl.

The EPA-approved systemic provides early-season control or suppression of Pythium on all turfgrasses. It is absorbed through the seed coat and translocates into the developing seedling. Once there, it acts as a chemical barrier to fungus invasion during the early seedling stage of turfgrass growth.

GUSTAFSON, INC.

Circle 288 on Postage Free Card

DUMP TRAILER



A turf dump trailer specially designed to produce the least possible compaction has been introduced by Holland Equipment Ltd. The Aer-Way dump trailer incorporates a six-point attachment of the hoist for maximum stability.

Available in three- or four-cubic-yard sizes, the unit has a 12,000-pound GVW and utilizes an 18,000-pound capacity hoist.

There is an optional two-way tailgate. Hydraulics for the hoist can be either tow-vehicle supplied or operated from a self-contained electric/hydraulic pump in the trailer.

HOLLAND EQUIPMENT LTD.

Circle 291 on Postage Free Card

PORTABLE RADIO

Combining affordability and microtechnology, the microprocessor-controlled Radius P200 Two-Way FM portable radio from Motorola, Inc., is designed to perform in rugged conditions.

Each radio has a unique data-stored "personality" that includes frequencies, squelch codes, and other operating characteristics. These can be easily added or changed without programmers. A cloning cable enables the user to duplicate one radio's program into another of the same subband.

The multiple Digital Private Line (DPL) and Private Line (PL) coded squelch features of the radio permit only those messages with the user's particular code to be heard.

Equipped with the Quik-Call II Decode option, the radio will receive only those messages preceded by the specific radio's coded signal, allowing individual contact while keeping other personnel out of the communications flow until they are needed.

MOTOROLA, 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 ROTORS



The normally open diaphragm valve-in-head feature on Rain Bird Models 91DH and 95DH hydraulic rotors permits the independent operation of rotors throughout the golf course. This ensures individual head control for precise watering on greens, tees, and other specialized areas.

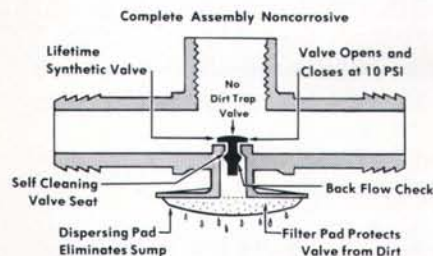
The sprinklers have been engineered to withstand the most demanding water-quality conditions. The rotors feature a low pressure-loss diaphragm valve; an energy-efficient "straight-through" impact rotor drive; a self-flushing valve seat; and a long-lasting, high-strength plastic case.

The part-circle 95DH and the full-circle 91DH are designed for wide spacing, such as athletic fields and single-row systems for fairways.

RAIN BIRD SALES, INC.

Circle 286 on Postage Free Card

IRRIGATION DRAIN VALVE



Protect your turf irrigation systems with a King Drain from King Technologies, Inc. The durable, pressure-sensitive valves are molded from PVC or ABS plastic, and are

dependable even after long sealing durations.

The drains can be used for commercial or residential applications. The noncorrosive plastic and rubber units are pressure-sensitive. They close when water or air pressure in the pipeline goes up to ten psi, then open when the pressure falls below, indicating the system is not in use and should be drained.

The male-pipe-threaded drains come in 1/2- and 3/4-inch sizes and will fit any system.

KING TECHNOLOGIES, INC.

Circle 274 on Postage Free Card

POWER RAKE



Combining rugged commercial construction with compact, lightweight design, the Parker 15-inch flail rake stands up to demanding use. The unit is driven by a three-hp Briggs & Stratton engine.

The spring-loaded idler clutch makes operation simple. Transportation and storage are facilitated by fold-down handles, and by the unit's overall size. The rake is ideal for removing thatch buildup.

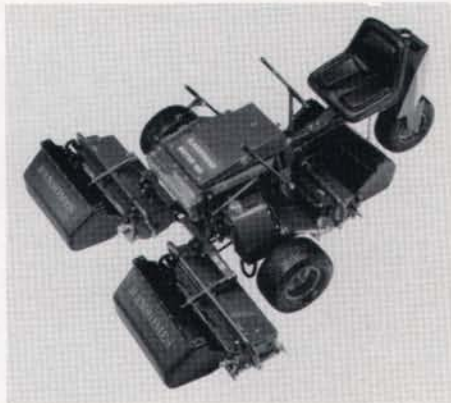
PARKER SWEEPER COMPANY

Circle 270 on Postage Free Card

TRIPLEX REEL MOWER

Two engine options are featured in the Ransomes Motor 180, a versatile triplex reel mower. It has been improved with the addition of a smoother, more powerful engine, the Vanguard v-twin.

The 12½-hp Model TR12B and the 15-hp TR15B both maneuver like small machines,



yet cut a 71-inch swath. The TR15B offers an optional three-wheel drive for additional traction and climbing power.

The mowers accommodate either five- or seven-knife reels, for the right finish on any turf. The five-knife unit, designed for general-purpose mowing, has a fixed-head configuration and full-width roller to protect turf from damage.

The optional seven-knife reel is ideal for fine cutting applications. It has a floating head with full-width front and rear rollers, to assure a fine cut.

With the single-pedal hydrostatic drive, the operator's foot controls both forward and reverse movements and allows any speed up to four mph without shifting.

RANSOMES, INC.

Circle 283 on Postage Free Card

SPRINKLER PUMPS

A series of centrifugal pumps especially suited for lawn sprinkling applications, and capable of operating from one to 30 or more sprinkler heads, has been introduced by Berkeley Pumps Company.

The pumps are available in high-head (LTH) or medium-head (LTM) series, and feature leak-proof mechanical seals, easy-service design, heavy-duty motors and rugged construction.

The one- through 2½-hp models have a low-friction Lexan impeller, with LTH models spraying to 147 feet at 95 gpm. The LTM models spray up to 116 feet at 105 gpm.

The three- through five-hp units feature a special impeller and air volume control tapping, including a suction flange with check valve. The LTH models spray up to 162 feet at 162 gpm, and the LTM models spray up to 142 feet at 240 gpm.

BERKELEY PUMP COMPANY

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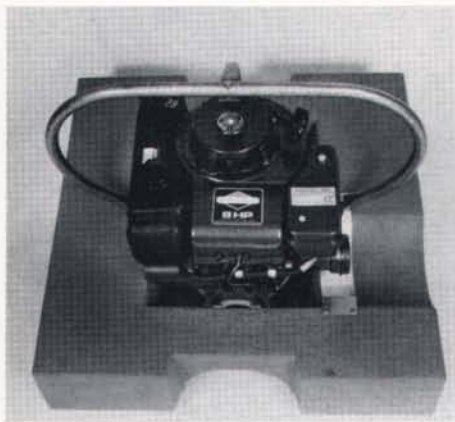
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ROOKIES

PRODUCT UPDATE

FLOATING PUMP



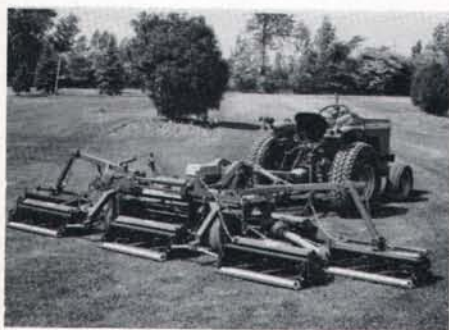
A floating portable pump featuring a reliable four-cycle, air-cooled Briggs & Stratton engine is now available from Otterbine/Barebo, Inc.

The pump requires no priming and operates in as little as three inches of water. Delivering up to 410 gpm, it provides an easy way to move water from a sand bunker or flooded area. It can run dry without harming the unit.

OTTERBINE/BAREBO, INC.

Circle 273 on Postage Free Card

PTO GANG MOWERS



Brouwer transportable PTO-driven mowers are manufactured to give a fine-quality cut even in adverse conditions. The standard mowers, with their fixed mowing units, rugged design and proven mechanical drive, offer reliability and low maintenance costs.

The Fairway models have a unique floating mowing unit design that delivers an outstanding, quality cut even on wet turf. All models are equipped with positive height-of-cut adjustment with optional quick height adjusters available.

These transportable mowers can be pulled by smaller tractors, requiring less

horsepower and less fuel consumption, and creating less compaction.

The mowers are available in three-, five-, and seven-gang units with manual or

hydraulic lift and a choice of four-, five-, six-, seven-, or eight-blade reels.

BROUWER TURF EQUIPMENT

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