

PRODUCT REVIEW

Three turf varieties coming in autumn

Pennington Seeds is releasing Shining Star perennial ryegrass, Yuma dwarf seeded bermudagrass and Duster tall fescue this fall.

Shining Star was developed by Dr. Bill Meyer of Pure Seed Testing. It originates from selections of attractive plants out of the variety Birdie II. It is early maturing, resistant to stem rust and leaf spot, and very dark green in color.

Yuma is a cold tolerant variety that is lower growing and has a finer textured appearance than seeded bermudagrass on the market, Pennington contends. Its cold tolerance allows use "well above the current bermudagrass area of the U.S." It is excellent for golf fairways, sports turf and lawns.

Duster has a deep forest green color, fine texture and low growth habit. Other characteristics: good resistance to net blotch, brown patch and rust; excellent drought tolerance; excellent turf quality.

Circle No. 194 on Reader Inquiry Card

New pallets protect hazardous chemicals

A new line of portable secondary container pallets, known as Envirostor covered vaults and open dikes, offer extra physical and environmental protection to drums of hazardous material.

Available in both two- and four-drum modular sizes, and made of either polyethylene or steel, they offer both a material choice and a capacity range to match any chemical storage need.

A modular storage approach results in greater flexibility and lower cost than construction of special buildings or diked areas.

These same units also provide an extra measure of hazardous materials safety for in-process use, during transit within or outside of a facility and for satellite storage.

The pallets are coated on both sides with a two-part polyurethane for added resistance to chemicals, says the company, Environmental Container Corp.

Circle No. 195 on Reader Inquiry Card

Decontamination kit portable, for worker safety

Precision Laboratories' decontamination kit complies with the latest EPA standards for agricultural personnel, yet is



suitable for use by lawn care industry personnel.

The kit includes two poly containers to hold 2½ gallons of potable water, plus two, 32-oz. bottles of eyewash; four ounces of liquid soap, three extra-large disposable towels; disposable coveralls; and two 32-oz. bottles of sterile, buffered, isotonic eyewash.

Circle No. 197 on Reader Inquiry Card

Insecticide protects pine seedlings from beetle-pest

Pounce 3.2EC insecticide, from FMC Corporation, is being used to protect pine seedlings from the Pales weevil, a flying, beetle-like pest that can wipe out a new pine planting.

Seedling planted on recently logged sites are particularly attractive to the Pales weevil, which can destroy thousands of seedlings a season.

A Special Local Need label allows nurseries to treat nursery seedlings up to two weeks before they are lifted for planting.

Tests show that treated seedlings will repel or kill the Pales weevil throughout the first growing season.

Pounce has an odor that is less-offensive than an organophosphate material, according to FMC.

Circle No. 198 on Reader Inquiry Card

Mowers fly through large acreage

Woods Equipment Company has a new line of high-performance, durable flexwing turf finish mowers for golf course, sod farms, parks and other large acreage turfgrass applications.

The Turf Batwing Finish Mowers are available in three models: 9144; 9180 and 9204. They have 12-, 15-, and 17-ft. cutting swaths, respectively, and are rated to cut up to 8.8 acres per hour at a speed of five miles per hour. Each offers the combined benefits of durable, dependable tow-behind mowing with a flexwing construction for easy transport. Each features three cutting decks. Cutting height ranges from 1.5 to 5 inches.



Tapered roller bearings are used in several key components, such as pneumatic gauge wheels, blade spindle assemblies and the gearbox, which Woods manufactures.

A positive-stop, automatic wing lock-up lets the driver stay seated while locking or releasing the wings from the transport position.

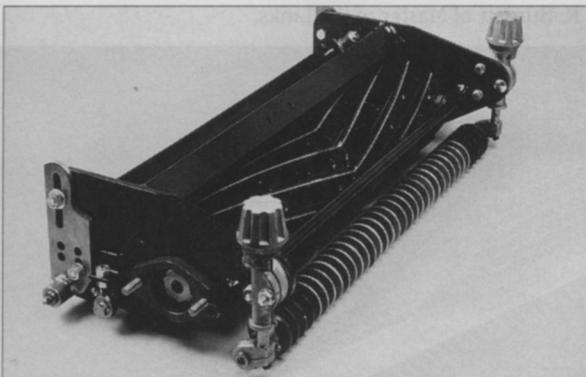
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PRODUCT REVIEW

Reel is self-sharpening, adjusting

A spring-loaded bedknife and exclusive chevron-shaped blade are part of the patented technology of the self-sharpening, self-adjusting Ferris Reel.

The reel has a spring action to maintain a uniform, constant pressure between cutting blades and bedknife, virtually eliminating the need to adjust, back-lap or grind the reel, Ferris says.



Additionally, the V-shape design ensures that part of the blade is always in contact with the knife, and is sharpened with every turn.

The New York company offers Ferris Reel retrofits for many competitive mowers and will unveil a line of commercial walk-

behind mowers that feature the Ferris Reel later this year.

The new reel was shown for the first time during 1994 GCSAA Conference and Trade Show in Dallas.

Circle No. 199 on Reader Inquiry Card

Erosion control blanket aids seed germination, growth

Weyerhaeuser has a new erosion control product, described as a "bonded fiber matrix."



Weyerhaeuser says the blankets prevent soil loss and water runoff and help foster plant germination and growth.

Soil Guard is a blend of wood fibers, a natural binding agent and a mixture of organic and mineral activators. It is non-toxic and biodegradable. After growth has been established, the blanket biodegrades into substances plants can assimilate.

Circle No. 200 on Reader Inquiry Card

Lighting fixture illuminates various landscape settings

Intermatic's new low-profile CL506 floodlight is designed for use in a variety of settings, to enhance landscaping and



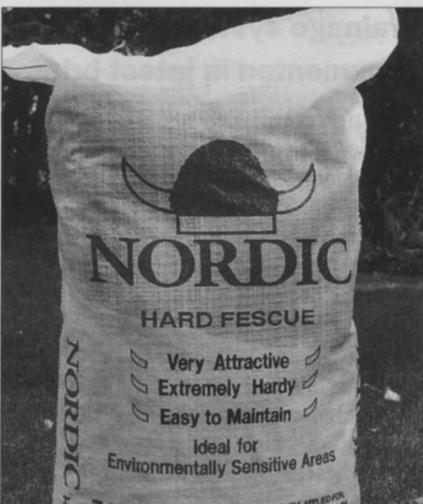
architectural features and increase security around the home.

Made of heavy-duty cast aluminum, the fixture has an electrostatically applied, baked epoxy, black enamel finish for extra durability.

Circle No. 201 on Reader Inquiry Card

Hard fescue grown for enviro-sensitive areas

Nordic, a hard fescue from Zajac Performance Seeds, was developed specifically for environmentally sensitive areas



where other grasses perform poorly.

Though hard fescues are traditionally shade tolerant, Nordic also grows well in open, sun-drenched sites under a wide range of soil types and acid levels, and in low-fertility, well-drained areas, Zajac notes.

Nordic is naturally resistant to disease and insects, and tolerates heat, drought, summer stress, winter temperatures and snow cover. Irrigation, fertilizer and chemical control are only minimally required, according to the company.

Circle No. 202 on Reader Inquiry Card

Absorbent dispenser design easy to use and compact

The Sorbent Dispenser, from 3M Company is compatible with all existing 3M sorbent rolls and rugs: simply load a roll of sorbent on the dispenser, pull the amount you need and slide the cutter across.

The 3M Sorbent Dispenser offers these added advantages:

- durable, heavy gauge steel construction will withstand everyday industrial use;
- precision-made cutting wheel cuts all 3M sorbent rolls and rugs cleanly and easily without tearing in either direction;
- cutting blade and surface are easy to replace;

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● the dispenser holds a combination of roll and rug widths up to 38-inches wide.

Large wheels on the container make it easy to maneuver. It can be stored and used vertically, taking up less floor space.

Circle No. 203 on Reader Inquiry Card

Drainage system installation documented in latest brief

A new drainage system has been installed at the soccer field at Mills College in Oakland, Calif. using a drainage system by Contech Construction Products.

The new drainage system consisted of 7,500 feet of six-inch TerraFlow 100 and 170 feet of six-inch smooth-wall pipe, installed by Contra Costa Landscaping of Martinez, Calif.

Three, six-inch pipe trunk drains were connected to the completed TerraFlow installation which discharged all collected groundwater into existing street storm sewers.

During the first winter following installation, 30 inches of rain fell on the new field, depositing as much as two inches of water.

The TerraFlow 100 geocomposite drainage system worked well, collecting and discharging the excess winter rain.

For a free copy of the application brief written to coincide with the project, contact Contech Construction Products, Dept. GICH, 33 Greenwood Lane, Springboro, OH 45066; (800) 338-1122; in Ohio, call (800) 752-8899.

Circle No. 204 on Reader Inquiry Card

Company gets go-ahead to run engine in California

Kohler's Command 25-hp horizontal shaft engine has been certified by the Californian Air Resources Board (CARB) to meet that state's 1995 emissions standards.

Under those standards, utility engines with a displacement of 225cc or larger must limit carbon monoxide emissions to more than 300 rams per horsepower hour.

Oxides of nitrogen combined with hydrocarbons cannot exceed 10 grams per horsepower hour.

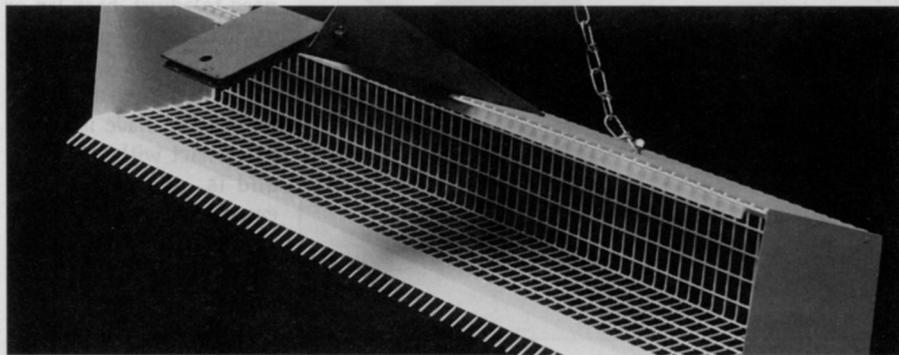
Kohler's Command 18- 20-, and 22-hp engines are all certified by CARB.

Circle No. 205 on Reader Inquiry Card

Renovator for golf sand traps

The Sand Trap Renovator from Master of the Links can be attached to existing sand trap rakes, including Toro, Smithco, John Deere and others.

The four-foot-wide Renovator has a mesh cage for large raking jobs. It can also be used in park district sand playlot areas to clean up broken glass and thus lessen liability concerns, according to James R. Burdett of Master of the Links.



Also available from the company are the Divot Seed & Soil tee bucket and the "Scatter" (carts) sign/log.

Circle No. 206 on Reader Inquiry Card

New tractor/backhoe a powerful addition to fleet, and its mobile

Kubota Tractor Corporation's new L35 tractor-loader-backhoe is built to be a powerful and mobile machine.

Powered by a 35-gross hp engine, the L35 is equipped with a full-scale backhoe and loader specifically designed to handle heavy excavation and fill work, particularly in narrow spaces.

The L35 features a 3-cylinder Kubota E-TVCS diesel engine that delivers high output, powerful low-speed torque and a high torque rise.

The engine is quiet, and meets strict emissions regulations.

The Glide Shift Transmission increases productivity by permitting clutchless shift-on-the-go, through all eight speeds in forward and reverse, without the power loss common to other types of transmissions.

Kubota's L35 is equipped with a powerful 17.3 gpm, dual-pump hydraulic system to provide ample volume for loader and backhoe operation.

Circle No. 207 on Reader Inquiry Card

Rubber-based amendment reduces compaction

Rebound is a new soil amendment made from crumb rubber and organically composted materials.

It is used to make athletic fields more resilient.

According to Jai Tire Industries of Denver, Rebound will aid divot recovery, and reduce ground-related player injuries in contact sports.

According to Jai Tire, Rebound will also reduce soil compaction, resulting in

increased root mass, depth and improved drainage.

The company says turf grown in Rebound-amended soil is less susceptible to disease, and requires up to 30 percent less water, fertilizer and pesticides.

Rebound was used for the Montreal Expos' new spring training field in Kantana, Fla.

Circle No. 208 on Reader Inquiry Card

PRODUCT REVIEW

New package comes in response to this country's environmental concerns

To better address the environmental concerns of its customers, American Cyanamid Company's Specialty Products Department has designed a new, water-soluble bag for Pendulum WDG herbicide.

The water-soluble package has been designed to eliminate container disposal problems, provide pre-measured quantities in an easy-to-use packet, and eliminate product exposure during mixing and loading.

The packets are made of inert ingredients that completely dissolve within minutes after being added to the tank.

"We've worked closely with our customers to develop an effective, economical, easy to apply product," says Curtis Clark, product manager for American Cyanamid.

Pendulum WDG is a pendimethalin-based product, highly effective for controlling most annual grasses and certain broadleaf weeds as they germinate, before they become a problem.

Pendulum should be applied only to established plants, and is not to be used on seedbeds, transplant beds or liners until plants have become well-rooted.

Circle No. 209 on Reader Inquiry Card



Growth regulator OK for Calif. ornamentals

Sumagic, a plant growth regulator from Valent U.S.A. Corporation, has received a state registration in California for use on container-grown ornamentals.

The product acts as a growth retardant for commercial greenhouse, lathhouse and shadehouse use.

Sumagic's broad label enables it to be used on a variety of plants, from chrysan-

themums to poinsettias. It works by controlling the growth hormone that stimulates stem elongation, thereby resulting in more attractive, compact plants that are easier to ship.

Valent says Sumagic lengthens plant shelf life and causes foliage to darken, even with fewer applications.

Circle No. 210 on Reader Inquiry Card

New sunscreen dispenser is now available

SBS Products, Inc. has introduced two new packages and dispensing systems for Deflect Occupational Sunscreen: 1-oz. tubes and a 50 fl.oz. dispenser cartridge.

The new packaging will make the product more convenient and easier to use. The small tubes can be carried on the job. The Paxon 1500 cartridges can be attached to a locker room or restroom wall.

Deflect is an SPF-15 formulation (15 times the skin's natural protection from ultraviolet rays).

The product is waterproof, and, according to SBS, will not run off, even with heavy perspiration, yet will still allow the skin to breathe.

The formula is greaseless, dries completely, and will not cause problems gripping tools or equipment.

Deflect contains aloe vera gel and vitamins A, D and E to help alleviate the drying effects of the sun. Recommended for landscape/golf course workers.

Circle No. 211 on Reader Inquiry Card

Activator enhances efficacy by modifying pH, water

Terra International, Inc. has added Riverside AMS Plus to its line of control products.

AMS Plus enhances herbicide, defoliant and desiccant performance by modifying factors such as pH and hard water.

It is a liquid ammonium sulfate activator containing phosphate ester of polyglycoethers, a blend of ammonium salts and formulation aids.

AMS Plus is recommended for use with Diquat, Endothal, Gramoxone, MSMA, Poast, Roundup, Roundup RT, Jury and other products where an ammonium sulfate activator is required.

Herbicide efficacy is improved, says Terra, because AMS Plus improves herbicide uptake.

Users are instructed to add AMS Plus first when preparing a spray mix. It is recommended for use in ground and aerial application, and comes in a 32.5-gallon jug or mini bulk.

Circle No. 212 on Reader Inquiry Card

Blankets protect against cold, promote germination

Tyvar Turf Blankets are an effective, durable and inexpensive way to protect turfgrass from freezing and desiccation.

The blankets are made of spunbonded polypropylene, and come in two weights:

- the white, 1.9 oz./sq. yd., for temporary freeze protection for turf in cold- and warm-season areas;

- the black, 3 oz./sq. yd. blanket, to protect warm weather grasses with temporary winter greens in the transition zone.

The Tyvar blankets retain warmth and moisture, creating an environment similar to that in a greenhouse. According to the company, university testing has shown that both soil and surface temperatures will be 3-15 degrees Fahrenheit higher than uncovered turf.

The blankets can also be used for turfgrass growth and germination. Golf course superintendents use them after seeding, sprigging or sodding, which results in early green-up.

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PRODUCT REVIEW

Another growth regulator gets Golden State go-ahead

The California Department of Food and Agriculture has approved the registration of Bonzi plant growth regulator from Uniroyal Chemical Company, Inc., for use on ornamental plants.

Bonzi is an important tool in the production of compact plants for the ornamentals market. It is used to reduce internode elongation in plants grown in greenhouses, shadehouses, nurseries and interior landscape designs. The approved use list includes poinsettias, geraniums, chrysanthemums and a wide variety of bedding plants, including impatiens, vinca and pansies.

Bonzi can be applied as a bench spray. It penetrates into plant stems and is translocated to the terminal, where it reduces internode elongation. It can be applied at any time.

When used as a drench application, Bonzi provides optimum control of plant height, says Uniroyal. It is readily absorbed by plant roots and translocated to the terminals.

Drench applications generally provide longer and more-uniform height control than foliar applications.

Circle No. 214 on Reader Inquiry Card

Cabinet safely stores, organizes turf products

Justrite Manufacturing Co. now sells the "Cabinet Organizer," with optional drawer assemblies.

The option applies to the 45-gallon cabinet with manual closing doors.

Two-, three- and four-drawer configurations are available, allowing workers to customize the cabinet to storage needs.

Worker safety and productivity are enhanced by maximizing access to important safety equipment in one centralized location.

The drawer units are ideal for storing easily misplaced containers.

Available as:

2 shelves, 2 drawers;

2 shelves, 3 drawers;

2 shelves, 4 drawers;

2, 3 and 4 drawers only.

Circle No. 215 on Reader Inquiry Card

Engines feature clean PTO muffler, splash-type lube

Kawasaki's FE120D and FE170D horizontal shaft engines now have redesigned muffler for clean power take-off.

The FE engine series has an overhead valve design and superior performance to meet the most demanding uses.

Both are single cylinder, air-cooled, four-stroke engines, fitted with recoil start and automatic compression release. They employ a dual element air cleaner and splash-type lubrication with low-oil shut-off.

The engines serve many applications in light construction equipment.

Circle No. 216 on Reader Inquiry Card

Deep root feeder blends nutrients for trees, shrubs

Webster Corporation makes a deep root tree and shrub feeding system that drills and fills in one operation.

The system makes deep root feeding with dry fertilizer and nutrients around homes and at commercial establishments safe and economical.

The TC-300 Deep Root Tree Fertilizing Machine drills and fills perfectly-shaped holes at uniform depth between the stem and drip line.

Operators can easily handle up to four holes per minute for typical tree feeding operations.

The Webster system places custom-blended fertilizer and nutrients in four-oz. rates at a depth of 12 inches below the soil surface.

Circle No. 217 on Reader Inquiry Card

Zero-turn walk-behind has dual pump/motor drive

The Scap SWZ Zero-Turn walk-behind mower reduces cutting time by 20-40 percent, according to Scag.

The mower is built with a patented dual pump/motor drive system for independent power to each wheel, for no-scutt, zero-radius turning.

Just a squeeze of the handles moves the SWZ from forward to neutral to reverse.

Forward speeds are controlled with a single, patented lever, and can be changed

while moving.

A new electric blade brake clutch engages the blades.

Cutting decks range from 32 to 72 inches, and engines range from 12.5 to 20 hp.

A mulch kit is also available.

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Fountain/aerator beautifies ponds, raises oxygen level

The new Toro Fountain/Aerator adds visual interest and rejuvenates by increasing dissolved oxygen levels.

The aeration provides circulation and maintains aerobic conditions throughout the water column.

A pump draws cold, dense oxygen-deficient water from below the water surface.

The water is projected into the air in the form of a decorative spray pattern.

While in the air, water droplets absorb oxygen, which is then dispersed as the water falls back into the pond.

Four decorative spray patterns are created from totally interchangeable nozzles.

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Pin placement by color with multi-hued nylon flags

Superintendents looking to add more color to greens can try the new hole marker system from Standard Golf.

The Royaline Cup-Spitter System provides a complete nine-hole pin system in red, white and blue.

The company says the Royaline Flag Sticks are the most popular pins in the Standard Golf catalog.

Striped in the three colors, they're built with the strength and resiliency of straight, solid fiberglass.

At the bottom of each pole is a precision-cast aluminum ferrule which fits snugly in the cup.

The red, white and blue nylon flags are very visible.

The pins are available in both grommet and tube-lock configurations.

Each marking system includes nine flag sticks, three red flags, three white flags and three blue flags.

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