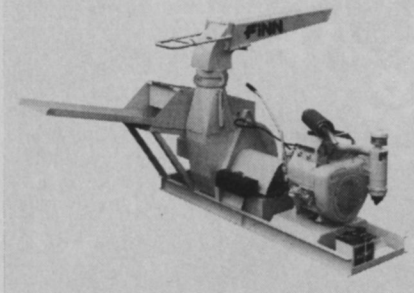


PRODUCTS

Spreader is compact; more room for mulch

The Finn Corporation has come out with the B-70 side entry straw/hay mulch spreader. The side entry model is designed to require a minimum amount of truck space, allowing for greater mulch storage. The B-70 skid has an over center clutch as standard equipment and an overall rugged design for many years of dependable, trouble free performance. It can handle as much as 6-7 tons of material per hour, with a discharge distance of up to 60 feet. It is available with either an air cooled gasoline or water cooled diesel engine.



Circle No. 191 on Reader Inquiry Card

Sand trap rake now available in diesel

Smithco, of Wayne, PA now offers its Super Rake sand trap rake in a diesel powered unit as well as the earlier gas model.

The diesel model utilizes a water-cooled Kubota 12.5 hp engine and, according to Smithco, is the most powerful trap rake available.

The gasoline engine is a 16 hp Kohler, also the largest in the industry. Both models have ground speeds up to 9 mph.

A front-mounted 40-inch plow is



standard equipment, to quickly handle wet and washed out sand.

The plow controls are manual or hydraulic. The rake and cultivator both have hydraulic power. The rear-mounted engine directs heat away from the operator and is immediately accessible under a hinged pop-up hood. Optional attachments include a

fan rake, scarifier, drag mats, disc edger, grader box and spiker.

Circle No. 192 on Reader Inquiry Card

Seeder provides greater germination, emergence

The Solid Stand Seeder from Land Pride is designed for accurate interseeding and new seeding of grasses.

The company says the three-way soil-to-seed contact system provides greater germination and emergence with the solid advantages of a full width seeding pattern.

First, the PTO driven knives slice into the ground creating slots to receive the seed. The proven fluted seed cups then precisely meter the desired amount of seed in a broadcast pattern.

Easily adjustable double torsion tickler tines agitate the seeding surface to help promote soil-to-seed contact. Solid cast iron packer wheels finish the job by pressing and firmly packing the seed, eliminating air pockets for proper germination.



Being able to incorporate an aerating procedure into an interseeding program helps eliminate the need for a separate pass, while promoting a more accurate renovation of established turf.

Circle No. 193 on Reader Inquiry Card

Slicing attachment for power thatching unit

Encore Manufacturing now offers a slicing attachment for the Pro Power-Thatch, its heavy duty commercial dethatcher.

Cutting blades of the new slicing attachment adjust to a depth of 3 1/2 inches and width of 1 1/2-3 inches. The blades are .060 high carbon tempered steel.

The company says the Power-Thatch is tough on thatch, yet operator friendly. It features a single action height adjustment, 28 self-cleaning, flail-type fingers, and minimal vibration. A 5-hp Briggs and Stratton engine provides the power.

Additional features include a dead-man clutch for positive belt disengagement, collapsible handles for



easy transporting, heavy duty wheels with sealed ball bearings and semi-pneumatic tires.

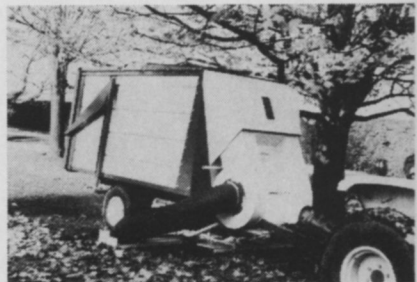
Circle No. 194 on Reader Inquiry Card

New vacuum unit is light, contains many options

Brouwer Turf Equipment, Limited introduces the new Brouwer Vac 138, a light, compact and maneuverable unit, with a "small tractor" requirement.

The vacuum is designed for fast clean up of leaves, grass clippings and litter. It is ideal for golf courses, parks, recreation areas, sod farms, airfields and grassed highway verges and medians.

Some outstanding features include full floating pick-up nozzles with



height adjusters; high output dual blowers; hydraulic hopper tilt; 5.1 cubic yard capacity; light weight for low compaction; corrosion resistant aluminum sides and quick detach blower hose connections.

An optional, 15 ft. extension hose is available for added versatility.

Circle No. 195 on Reader Inquiry Card

continued on page 88



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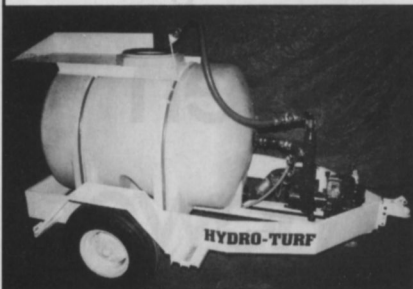
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Circle No. 161 on Reader Inquiry Card

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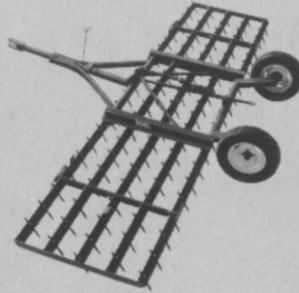
Circle No. 124 on Reader Inquiry Card

PRODUCTS from page 86

Tillage tool levels, mulches, agitates soil

The Harogator spike tooth tillage tool is new from Unverferth Manufacturing, Kalida, OH.

The Harogator levels, mulches and agitates soil and distributes rougher textured soil and trash. A versatile



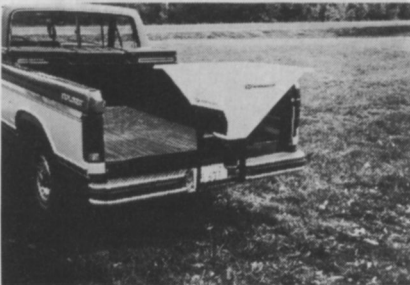
implement, the Harogator can be used for all types of landscaping and maintenance jobs such as seedbed preparation, leveling, resodding, preparing golf courses for seeding and for smoothing ball diamonds, parking lots and horse exercise yards and to incorporate herbicides or fertilizer.

The Harogator is wheel-shaped and engineered with five angle iron crossbars which push soil ahead, leveling the field or seedbed while its angle iron edges help break up trash and surface chunks. The dragging action of the crossbars distribute this rougher textured material. The unit's spiked teeth mulch and agitate soil at planting depth and break up large clumps of earth.

Circle No. 196 on Reader Inquiry Card

Seeder/spreader uses variety of products

A new 3-bushel capacity Poly Hopper seeder/spreader from Worksaver, Inc. is ideal for year-round use to spread various materials such as dry sodium chloride for ice control and



fertilizer and seed.

The Poly Hopper is translucent to allow quick checking of content level, is rust, corrosion and puncture resistant and does not crack or lose its shape in extreme temperature changes.

Engineered with adjustable brace rods that provide quick rigid mounting, the Poly Hopper can be attached to pick-ups, tractor draw bars and a variety of other vehicles. The unit features a heavy-duty, 12-volt electric motor with hopper agitator and a positive seed gate control with adjustable lock scale plate.

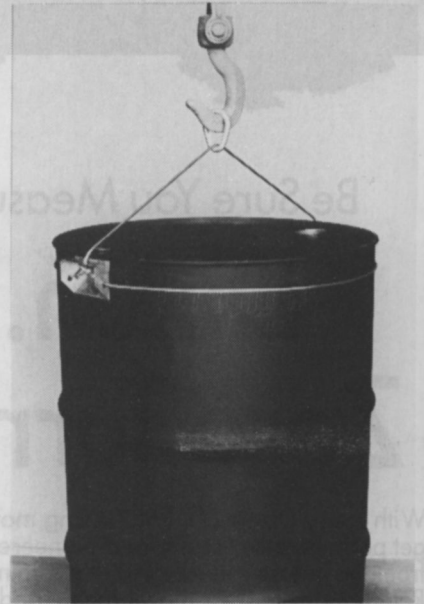
The seeder/spreader comes complete with wiring harness. An optional extension that increases the Poly Hopper's capacity to six bushels is available.

Circle No. 197 on Reader Inquiry Card

Barrel harness eliminates heavy lifting, injury

The patented Bold Eagle Barrel Harness is now available in a heavy-duty model from Free Enterprise Systems, Inc.

Galvanized aircraft cable grips the circumference of the barrel under the lip, and stainless steel brackets prevent any slippage. It has a galvanized lifting eye to accommodate a hoist hook.



The harness fits all drums, 55 gallons and smaller. It lifts steel, plastic, fiber and open-top drums, according to Free Enterprise Systems.

The company says the harness weighs three pounds, and has a rated capacity of 1100 pounds.

Circle No. 198 on Reader Inquiry Card

Latest technology used in new lawn seeders

BlueBird International has introduced a lawn seeder available in two models, the F-20 and the F-20B BlueBird Lawn Comber.

Seed is dropped, then cut into the

soil by the Delta blades of the patented Delta Reel. Delta Reels are standard equipment and the Delta blades do not tear up the turf due to their swept-back, beveled, leading edges.

Use of the Delta Reel during the



growing season will open the soil for water and nutrients to penetrate down to the roots of the grass, according to BlueBird.

Circle No. 199 on Reader Inquiry Card

Hand-held computer designed for reliability

The TMDR is an economical, hand-held data computer designed for reliable field use even in hostile environments.

Features include simple operation, environmental packaging, PC pro-

grammability, applications flexibility, and lightweight, compact design.

LCD display with graphics capability allows viewing of complete screens of data. A full alphanumeric keyboard, color coded by function, permits easy data entry.

Ten programmable function keys eliminate time consuming, repetitive operations. The sealed keypad and display overlays provide trouble free



operation under varying conditions at an operating temperature range of -20°C to 60°C.

Circle No. 200 on Reader Inquiry Card

Pick-up sweeper cleans debris from golf courses

Star City Fabrication offers Mars Suburban Pick-Up sweepers to simplify everyday outdoor cleaning tasks.

These sweepers are ideal for golf courses and other large grass areas



where aeration plugs, leaves, twigs, and other debris need to be picked up on a regular basis.

The same Mars Pick-Up sweepers can also be taken to the street to clean driveways and parking areas. An optional side broom is available for cleaning close to curbs.

With a sweeping swath of 48 inches, the units will sweep from 1 1/2 to 3 acres per hour at speeds from 3-7 mph. The hoppers come in two sizes: seven and 20 cubic feet.

Star City says the sweepers have their own power source, and require



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Circle No. 140 on Reader Inquiry Card

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only a tow hitch.

No mounting or tractor adaptations are necessary. This unique design allows the sweeper to be towed behind garden tractors and riding mowers.

Circle No. 201 on Reader Inquiry Card

"Revolutionary" preseeders tills, levels and rakes

ATI Corporation has released the Model 600 Preseeder to its line of landscaping equipment.

Like the larger Model 686, the Model 600 features the design which



the company says "revolutionized lawn seeding." The Model 600 tills, levels and rakes to transform a rough-grade into a professionally-finished turf seedbed.

Rocks and debris are swept into a windrow for easy pickup and removal. The 600 is well-built for long service and low maintenance. It is designed to operate with 16-30 hp tractors and is available with hydraulic or manual depth control.

Circle No. 202 on Reader Inquiry Card

New power unit solves thatch control problem

Easy Rake, of Lebanon, IN says the benefits of power thatching are numerous, including elimination of surface accumulations of clippings and thatch, thinning of matted growth, which is pulled to the top of the grass for easy removal and improved color and general appearance of the lawn as brown material is removed.

Modern engineering, based on findings of research such as that conducted by Easy Rake researchers has led to the development of highly efficient mechanized thatching equipment for both residential and commercial use.

Typical design elements of Easy Rake power thatchers include a series of spring tines placed 2 1/4 inches apart in rows which are 3/4 inches apart. With every revolution of the rake shaft, two tines touch the ground every 3/4 inch, allowing the thatch to be lifted to the top of the grass for easy removal in fairly large pieces.

Circle No. 101 on Reader Inquiry Card

Tines are designed to enter the ground to a depth of 1/4 inch, thus combining the grass efficiently without tearing or damaging the growing grass.



Circle No. 203 on Reader Inquiry Card

Computer aided gardening system is user friendly

"Root Directory" from Garden Tech is a new state of the art computer soft-

ware program designed to make tree and plant selection easier and more correct.

The program features more than 1000 species and varieties of trees and 400 varieties of flowers; pest identification and organic control recommendations; plant care and plant propagation; and flower heights, colors, blooming seasons and types.

Graphic highlights include hyper-texts, hypergraphics and detailed pictures.

"Root Directory" runs on IBM XT, AT, PS/2 and 100 percent compatibles. It requires 512K of memory and a hard disk drive.

Circle No. 204 on Reader Inquiry Card

Riding aerator leads to productive day

The riding core aerator from Ransomes operates with a 54" swath and has a capacity of 60,000 square feet/hour. Its wide, smooth tires and three wheel design distributes weight evenly, minimizing turf marking.

Core spacing is variable from one to six inches, without stopping the machine. A variety of tine diameters are available.

The machine's free-floating tine system helps assure the highest quality aeration. The system cleanly removes cores and allows tight turns during maneuvers. Dual floating aerator heads with exclusive Tine-

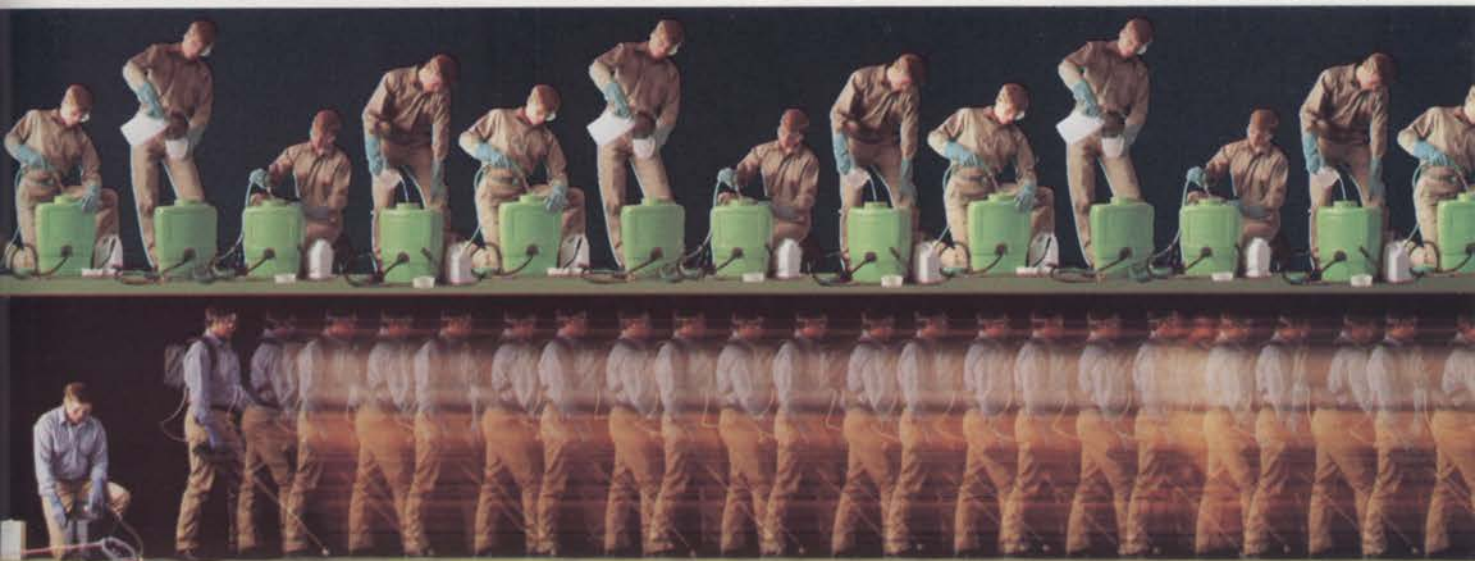


Saver design follow the contours of the turf and help absorb shocks when tines hit obstructions, extending the life of the tines.

Circle No. 205 on Reader Inquiry Card

Planting spot keeps weeds under control

The Poly Planting Spot from Poly Enterprises is designed to keep weeds and other vegetation from growing around your trees and plants.



MORE PRODUCTIVE

Make better time without having to constantly refill.

One 1.3-gallon box of Expedite® herbicide can treat the same area covered by a 3-gallon backpack refilled 15 to 25 times! Expedite is also easy to use — yet precisely accurate.

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Circle No. 141 on Reader Inquiry Card

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EXP-0-101 (1)



Made of a specially formulated cellular vinyl, it looks like rich dirt and will blend into the landscape.

The Planting Spot weighs five pounds, so it won't blow away. Its large size will keep a two-foot area



around your tree clear of vegetation for years, according to Poly Enterprises.

It is economical and maintenance-

free. Uses no chemicals.
Circle No. 206 on Reader Inquiry Card

Commercial edger made for a longer life

Scag Power Equipment makes a commercial edger with a large, milled-edge 10-inch blade for a cleaner cut and longer life. The unique design and engineering of the Scag edger eliminates all springs, sliding booms and other components.



Heavy-duty Fafner agricultural bearings are used. Distance from the tire to the blade is fixed, so the edger can ride on the narrowest of curbs without adjustment.

Circle No. 207 on Reader Inquiry Card

Three edger models to fit every need

Little Wonder, a division of Schiller-Pfeiffer, Inc., makes three models of edgers and a selection of dependable engines to fit a variety of landscaping needs.



All models come with rugged steel frames, a cast iron cutter head with a grease fitting and steel hub wheels.

The edging depth is set by adjusting the front wheel, thereby giving maximum power to the blade at all



MORE PROTECTION

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Expedite® herbicides are premeasured and premixed. So you don't come in direct contact with them. You simply connect the Expedite lance hose to a sealed 1.3-gallon box of herbicide. Then set the lance and you're ready to spray.

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EXP-0-102 (1)



edging depths.

With the 10-inch hardened tool steel blade, edging is possible up to depths of four inches at a cutting speed of up to 90 feet per minute.

Circle No. 208 on Reader Inquiry Card

Erosion control matting in a variety of widths

Enkamat erosion control matting is now available in a variety of widths up to 15 feet.

The continuous surface of the wider piece eliminates problems occurring at overlap, makes staking easier, and reduces installation time and expense.

Enkamat's three-dimensional



nylon matrix helps grass roots obtain a sound footing, making vegetation almost impervious to damage by heavy waterflow.

Enkamat wide width offers considerable cost and labor savings when used instead of concrete or rip rap for erosion control.

Circle No. 209 on Reader Inquiry Card

Bed liners made to fit Deere transport vehicles

Protect-A-Bed of Hampshire, IL has introduced a high density polyethylene liner that will fit both the John Deere AMT 600 and AMT 622 transport vehicles. The tough, seamless liners come complete with a tailgate liner. Protect-A-Bed says the liner makes loading and unloading easier. Liners install in minutes, and are res-



sistant to sun exposure, acids, gasoline, fertilizers, insecticides, salts and solvents.

Circle No. 210 on Reader Inquiry Card

Heavy-duty leaf bags make clean-up easy

RedMax now makes 30" x 60" premium quality, heavy-duty leaf bags for quick and easy lawn clean up.

The bags are made of dense plastic tough enough to hold twigs, leaves and wet grass, and are available in easy-to-use 10-packs.



Circle No. 213 on Reader Inquiry Card

Sprinkler housing system universal, easy to service

American Irrigation Repair & Supply has developed a two-part, universal sprinkler housing.

The Eagle Universal Housing consists of a base and bell. According to the company, it can be used with any 4-, 8-, or 2-hole sealomatic (SAM) bearing guide Rain Bird sprinkler as



well as some Weathermatic sprinklers.

American says the housing is unique because it allows you to service the sprinkler by detaching the bell and leaving the base and sprinkler in the ground. The bell can be removed by loosening a few screws. The company says you can also change the type of sprinkler while still using the same housing.

The Eagle is made from ultra-high-molecular-weight polyethylene; the base of the unit has stainless steel inserts which prevents the fitting from rust and corrosion.

A soft coated lid for sports field applications and a custom check valve are also available.

Circle No. 212 on Reader Inquiry Card

Sensor device prevents sprinkler system freeze-up

Glen-Hilton Products, Inc. has devel-

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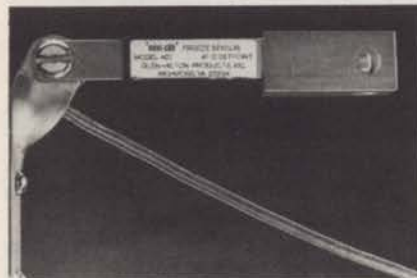
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oped an economical Freeze Sensor to prevent automatic sprinkler systems



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sor has a heavy-duty aluminum mounting. The sensor accurately measures the temperature, then cuts off the system at the appropriate setting. The system is reactivated when the temperature rises above the setpoint. Backed by a 5-year warranty. **Circle No. 215 on Reader Inquiry Card**

Flexible brushes assist in topdressing greens

The Flex-Brush from Standard Golf is a set of three brushes that attaches to

the cutting units of Toro and Jacobsen greens mowers to brush a swath as wide as each mower's cutting width.

On a light top dressing application, Flex-Brush lets you brush in sand faster than you can mow a green, according to Standard Golf.

It's also an excellent tool for deep tine aeration, when top dressing is needed deep in aeration holes.

The brushes follow the contours



and undulations of all top-dressed surfaces, says Standard Golf, like no dragging method can.

Circle No. 216 on Reader Inquiry Card

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Circle No. 104 on Reader Inquiry Card

New soil moisture control for landscape irrigation

Irrrometer Company has introduced a new soil moisture control system for automatic landscape irrigation systems. Based on the company's patented Watermark soil moisture sensor, the Watermark Four Zone Moisture Control panel interfaces with any standard 24 VAC irrigation controller.

Featuring the no-maintenance Watermark soil moisture sensor, the new system allows an irrigator to divide the valves on a controller into as many as four "zones," representing various irrigation needs, such as turf versus shrubs, full sun versus shade and top of a slope versus toe of a slope. Each "irrigation need" zone then has its own moisture sensing station, which in turn controls the valves which irrigate that "irrigation need zone."

Each zone can be independently adjusted and fine tuned at the panel for desired moisture level. The panel also features a by-pass switch for manual override of the sensor control **Circle No. 217 on Reader Inquiry Card**

Newest flail cutting head for rough weeds

The Micro-Mower company now makes a new flail cutting head for both the MP92.5T and MP135T arm mower.

The new flail head, called the FL40, is a high-speed head with the unique capability of doing rough

weed cutting work as well as the fine finish cut expected of small flail mowers.

By changing the shielding and rotation of the rotor, the operator can match his machine to the cutting conditions.



Circle No. 218 on Reader Inquiry Card

Multi-insect control, and great on grubs

Oftanol 2 insecticide is an organophosphate insecticide that controls white grub larvae significantly longer than any other product available today, says Mobay Corporation. Oftanol also controls major turf insects such as sod webworm, hyperodes weevil, billbugs and chinch bugs. In extensive field testing by

Mobay Corporation and university researchers, Oftanol demonstrated outstanding efficacy and consistency.

Mobay says Oftanol 2 provides significantly longer grub control than any other product available today.

It will not leach out during heavy rains and does not tie-up in thatch, according to Mobay.

Check calibration periodically to ensure that equipment is working properly.

Circle No. 219 on Reader Inquiry Card

Product holds 400 times its weight in water

Sierra Cascade Products has introduced HydroSource, the polyacrylamide that holds up to 400 times its weight in water. The company reports that HydroSource reduces water stress and the downward movement of pesticides and fertilizers into groundwater.

Circle No. 220 on Reader Inquiry Card

Line of pressure washers and wet dry vacuums is out

Alfred Karcher, Inc., has introduced their new Outdoor Power line of high

pressure washers and wet-dry vacuums to power equipment dealers.

Karcher's product line includes three gasoline-powered commercial high-pressure washers, two electric light-weight consumer high-pressure washers, two electric wet-dry vacuums and a complete accessory and detergent line.



Circle No. 229 on Reader Inquiry Card

Engine maintenance meter monitors engine wear

The Sipap Maintenance Meter is a new digital readout power meter from Sipap Electronics, Inc., which serves as a preventive maintenance device designed to record the true running time of any gasoline engine.

MITE.



"Periodic preventative maintenance is not generally thought of," says Herb Ley, president and founder of Sipap. "Before our meter was developed, there was no readily available way for people to know when service was required. This product helps users better maintain



their equipment and also promotes dealer service."

The 2-oz. meter attaches to any flat surface with double stick tape. A wire

extending from the unit wraps around a spark plug wire to form a conductive pickup which turns the meter on and off.

The meter, however, does not run off the engine. An internal, high-capacity lithium battery powers the meter, which records up to 5,000 running hours of any two- or four-cycle single- or multi-cylinder gasoline engine.

Circle No. 222 on Reader Inquiry Card

Bark renewer concentrate restores and revitalizes

Standard Tar Products Co., Inc. of Milwaukee has introduced Bark Renewer concentrate to compliment their ready-to-use brand.

Bark Renewer revitalizes decorative wood chips and bark, and is designed to restore vibrant like-new colors and prevent color loss and graying due to exposure from sunlight, wind and rain.

Moisture Guard barriers keep water from soaking into the chips or bark and causing rot.

Bark Renewer is available in the ready-to-use form or concentrate. Three colors are available: honey,

California redwood and walnut brown.

Available in one gallon, five gallon or 55 gallon containers.

Circle No. 223 on Reader Inquiry Card

Walk-along trencher has hydrostatic ground drive

Ditch Witch has introduced the Model 1620, a 16-hp walk-along trencher that features a hydrostatic ground drive and mechanical digging chain drive system.

The Company says the 1620 digs to



depths of four feet, at widths from 3/4 to 12 inches with optional pivot.

Its power and trenching depth capability make the 1620 ideally suited

continued on page 100

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ornamental crop. Superior performance in a water-based liquid formulation, free of solvents that can cause phytotoxicity. With proven knock-down power, strong ovicidal activity and excellent residual control.

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Circle No. 133 on Reader Inquiry Card

PRODUCTS from page 99

for utility line installation and repair.

Controls for the 1620 are color-coded to match the color-coded instruction/operation decals at the operator's station. All controls are grouped together within easy reach of the operator.

According to the manufacturer, advanced-design construction and components enable the 1620 to be operated with very little daily servicing, and also make it an exceptionally reliable trencher.

The 1620's drive wheels can be steered while trenching, allowing maneuverability when trenching around obstructions.

A Ditch Witch rotational horizontal boring unit can be mounted on the unit for added versatility.

Circle No. 224 on Reader Inquiry Card

Tree spade features eight field adjustable blades

A Stocker 85-inch low profile tree spade offers special advantages for use when digging, transporting and transplanting large diameter trees, according to Treespades America, Inc. of Minneapolis.

The spade has eight narrow blades to produce a solid, undisturbed root ball assuring maximum tree survivability. Each blade can be adjusted in minutes on-site to maintain tight blade alignment, preventing loss of soil and/or gravel from the spade during transport.

The spade also digs a perfectly round hole, eliminating the need to align the spade to match the contour of the receiving hole when planting.

Each blade is powered by a patented gear rack drive, eliminating the need for hydraulic towers above the spade module. Treespades America says this allows transplanting trees close to buildings, walls and other structures.

It digs a half-round root ball, 54-inches deep, which can be rotated in receiving holes to quickly plant trees plumb, especially on slopes and berms. A twin piston side tilt device eliminates outriggers.

Circle No. 225 on Reader Inquiry Card

Grids control erosion, keep paths protected

The Grid System from Chempath, Inc. of Oostburg, WI, is an easy-to-install,

interlocking protective surface to control erosion or maintain the beauty of cart paths or other highly used areas.

Grass grows through the Grid System, crowns and rhizomes are protected, and there is no interference with rhizome or stolon growth. Pieces are 2 x 2 1/2 feet in size, and easily cut to fit around sprinkler heads and sidewalks.

Chempath says the grids have many applications for the landscape industry, including use for trellises, terracing, sidewalks and paths to secure plantings.

Circle No. 226 on Reader Inquiry Card

Lightweight fairway mower causes less compaction

The Jacobsen LF-100 cuts a 100-inch swath at a 6-mph maximum speed.

Its 22" hydraulically-powered reels and a positive down pressure system mean a beautiful finish to turf, with less than 10-psi for less compaction.

Jacobsen says the LF-100 is designed for low maintenance and easy service. Its powerful, fuel efficient diesel engine has a proven record of durability and dependability. Quieter, too, thanks to a new muffler and larger air cleaner.

The LF-100 is available in a 2- or 4-wheel drive, and is the only fairway mower available with Jacobsen's Turf Groomer Fairway conditioner for healthier, stronger turf.

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Top-ranked rye now available in blend

Garfield Williamson, Inc. reports that Saturn, ranked number one in the USDA's National Perennial Ryegrass Test is now being blended into its popular Proform Triple Classic Turf Rye Blend.

Garfield Williamson reports that Saturn is noted for its seedling vigor, genetic color, winter color and resistance to diseases such as blotch and brown patch.

Saturn is described as a very fine-leaved, low-growing variety which tolerates mowing as close as 3/8-inch.

Triple Classic Turf Rye is a result of three top-ranked premium varieties: Saturn, Omega II and Manhattan II or Competitor perennial ryegrass.

Triple Classic Turf Rye was developed exclusively by Proform research.

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