

WT&T PRODUCTS

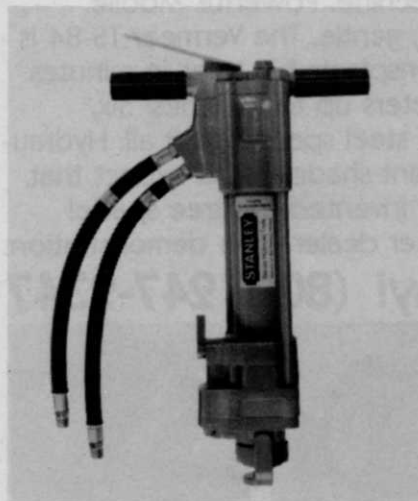
John Deere has introduced a new compact utility tractor that provides 18 hp at the PTO. Powered by a 3-cylinder, water-cooled 78.2 cubic-inch diesel engine. The 750 features a sliding gear



transmission with eight forward and two reverse speeds, and a ground clearance of 15 inches. Power steering and mechanical front-wheel drive are optional.

Circle No. 165 on Reader Inquiry Card

The HD45 Hammer Drill from Stanley Hydraulic Tools can drill 1-in. to 2-in. diameter holes up to 30 inches deep. Features include adjustable bit rotation



(either forward or reverse) which allows the operator to choose BPM/RPM ratios. The HD45 is available in either open-center or closed-center models.

Circle No. 166 on Reader Inquiry Card

Great Plains Industries, Inc., has developed a new herbicide pump and meter to handle a variety of bulk chemicals either alone or in combination. The GPI pump and meter features seals that are designed to extend unit life and



are compatible with most popular bulk herbicides, a spin collar for easy installation, and a nozzle dust cover.

Circle No. 167 on Reader Inquiry Card

Simonsen Manufacturing Co.'s turf-fertilizer spreaders were designed for accuracy, maneuverability, versatility and minimum soil compaction.



Spreading from 90 to 1,000 lbs. per acre can be dialed on the featured Spread-Rate selector. The model's single axle design is intended to eliminate the tearing of turf, especially on sharp corners.

Circle No. 168 on Reader Inquiry Card

Rayco Manufacturing Inc. has introduced its model RG 1635 heavy duty stump cutter. The compact, low silhouette design has a 35-hp Wisconsin engine, hydraulic controls, and a 22½-in. cutting wheel to chew out stumps up to



14-in. deep. Other features include an electrically welded square tubular frame, and a 14 gallon capacity fuel tank.

Circle No. 169 on Reader Inquiry Card

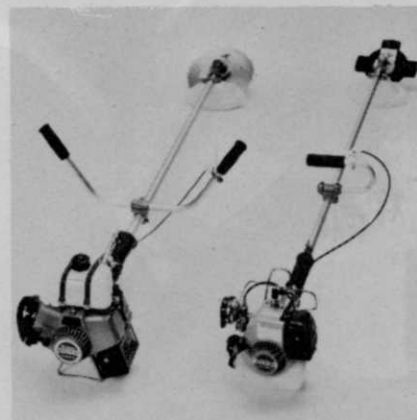
Lakos Separators have introduced a new in-line series of solids-from-liquids separators. The line differs from the carbon steel units in that th



are manufactured entirely from lightweight ABS plastic. Individual models are available for flow rates from four to 105 U.S. gpm, with other models capable of handling rates up to 525 gpm.

Circle No. 170 on Reader Inquiry Card

Lanco's lightweight brush cutters are now available in three models, each with a range of interchangeable blades and nylon trimmer attachments. The line of Robin Brush Cutters are powered by 15.4 through 37.7 cc engines,

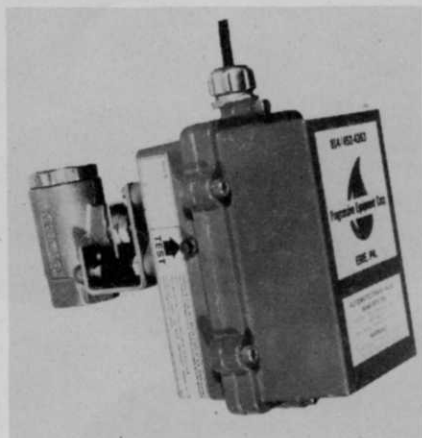


featuring diaphragm carburetors, recoil starters, and automatic centrifugal clutches.

Circle No. 171 on Reader Inquiry Card

Continues on page 82

Progressive Equipment Corp.'s automatic motorized drain has an electric valve actuator that can deliver 150 lbs./inch of torque, and can open and close



the drain valve on pre-set command. The standard one inch drain valve weighs eleven lbs. and occupies under one-half cubic feet of space.
Circle No. 172 on Reader Inquiry Card

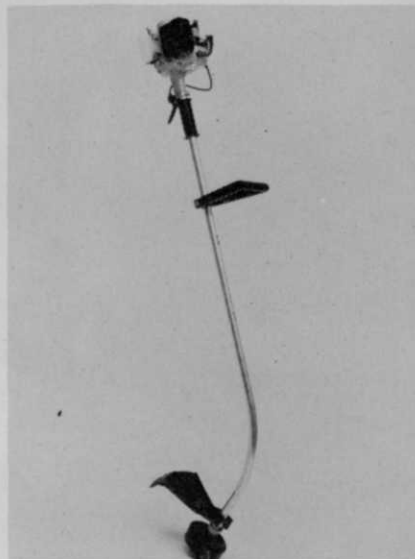
Joseph S. Finger & Assocs., Inc. have developed a portable device for measuring the compaction of seedbed mixtures on greens. According to Finger,



the vibration of equipment used on greens over a period of three to five years may be a greater cause of compaction than foot traffic. The "percolometer" can measure both compression and vibration, and can be used to check greens mixtures in less than two hours.
Circle No. 173 on Reader Inquiry Card

Loveland Industries, Inc.'s Fighter F silicone antifoam emulsion can be used with most aqueous and oil spray systems. The product was created to help reduce mixing time, eliminate material waste, and to provide more accurate metering of agricultural spraying. One to six ounces of Fighter F is used for every 100 gallons of spray mixture.
Circle No. 174 on Reader Inquiry Card

Hoffco Inc.'s lightweight trimmer is powered by a 13.8cc Kioritz engine with a 48-in. patented flexible drive shaft. The GT 14B features a Delta "D"



plastic loop handle and a one line three exit monofilament head. This small model is designed to give a professional performance at an economical price.
Circle No. 175 on Reader Inquiry Card

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Circle No. 151 on Reader Inquiry Card

NEW PRODUCTS

The Campbell Pacific Nuclear Corp. has announced the release of a instrument for measuring soil compaction and moisture. Called the Strataprobe, the device is designed to sort out tillage and trafficking effects on location in



the field without disturbing soil or living products. A new gauge has been designed to increase the accuracy of measurements from lightweight to maximum density.

Circle No. 176 on Reader Inquiry Card

Stanley Hydraulic Tools has introduced its model DL33 drill for use in moling and underground boring operations. Designed for low maintenance,



the tool features a compact gear-type hydraulic motor, a maximum torque of 95 lb.-ft., a removable remote trigger, and instant reverse.

Circle No. 177 on Reader Inquiry Card

The General, Inc.'s LB-420, 53 hp, diesel-powered loader backhoe features four-wheel hydrostatic drive, a five-eighths cubic yard loader and a new low profile 11- or 13-foot backhoe.



The new design allows for trailering through low underpasses or work in low-clearance areas inaccessible to previous models.

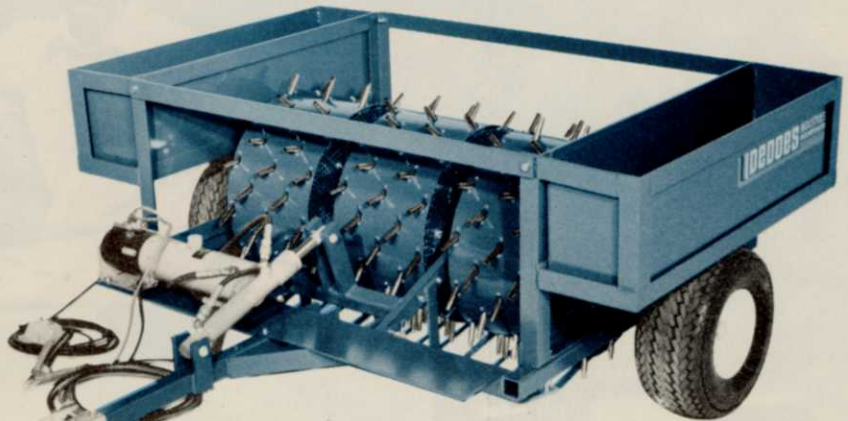
Circle No. 178 on Reader Inquiry Card

The Hinde Engineering Co. has introduced their Air-Aqua irrigation system designed to allow for the direct irrigation of roots without fear of clogging or deterioration. The semi-rigid valved tubing is placed below ground adjacent to either established or new plants. According to the manufacturer, the valves close automatically when pressure is turned off to block out dirt, roots and insects.

Circle No. 179 on Reader Inquiry Card

Continues on page 86

Trailer aerator/dump box package by Dedoes: easy, quick and effective.



You can be sure they'll work for you. Can be pulled by most tractors including International, Toro, Ford, Massey Ferguson, Yanmar, Kubota, John Deere, E-Z-Go, and Cushman, because Dedoes trailer aerator and dump box attach to your hitch.

Newly designed remote control hydraulics for easy hookup and stable saddlebag weight boxes for proper penetration, are two hard-working features that make your job easier. Not only is it easy to operate, you'll get years of time-saving aeration with low maintenance.

The new trailer aerator is available in a variety of tine styles for tees, greens, fairways, lawns, right-of-ways, or institutional grounds.

So if you're responsible for strong, healthy, attractive grass and concerned with saving time and money, it's worth your time to investigate Dedoes quality aerators. Call today for a demonstration.



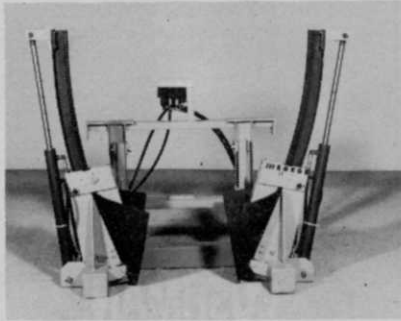
Complete package includes hydraulic dump box trailer with 1000 lb. lift capacity which uses same remote control hydraulic motor as aerator. Features double acting tailgate on 48" x 52" x 12" box with heavy duty square steel tube frame.

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Circle No. 113 on Reader Inquiry Card

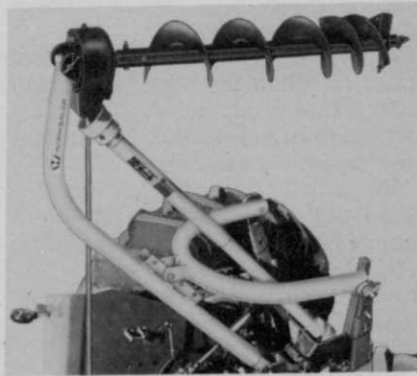
Rokor, Inc., has expanded its digger line to include the Rokor 20, which produces an actual ball size of 22 inches in diameter, with a 24-in. model also available. It incorporates design fea-



tures used in Rokor's larger models, such as curved stems and narrow width, but it can be installed on smaller skid steer loaders, tractors, and front-end loaders.

Circle No. 180 on Reader Inquiry Card

Worksaver, Inc. has introduced a post hole digger with a four-position boom to allow for adaptation to most 3-point tractors. The screw-type auger center point and teeth are replaceable, and available in 6-in., 9-in. or 12-in. lengths.



The unit's gear box features roller bearings with double lip spring-loaded seals designed for smooth operation.

Circle No. 181 on Reader Inquiry Card

Glenmac Inc.'s Harley Stone Removal equipment is designed for optimum results when fine cleaning trash and rocks for seed bed preparation on new golf courses. According to the manufacturer, the equipment will sanitize down to 1/2-in. and can clear from 5-15 acres per day. Glenmac offers the rock picker for sale or will contract for site preparation.

Circle No. 182 on Reader Inquiry Card

A new high rpm brush blade from Hoffco, Inc. is available as an accessory item for their JP340 and JP215 model grass trimmers. The Sandvik Brush Blade, of heavy spring steel, measures 9-in. in diameter with a 20 mm bore.



The blade has 22 cutting teeth, each equipped with a forward depth gauge designed to keep kickback at a minimum.

Circle No. 183 on Reader Inquiry Card

Continues on page 93



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- PTO drive to mower deck eliminates belts, simplifies change of accessories.
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Circle No. 119 on Reader Inquiry Card

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The Kohler Co. has released a four-page full-color folder giving specifications for all 13 Kohler manufacturing



air-cooled engines. The product line includes single-cylinder and twin-cylinder engines ranging from four to 23 hp, and from 43 to 187 lbs.

Circle No. 184 on Reader Inquiry Card

Ditch Witch has introduced its Model 1410 handlebar trencher with a 12- to 14-hp-class engine. The 35½-in. wide machine can dig trenches up to five feet. Features include a hydraulically



raised and lowered digging boom, a 140 degree digging boom travel angle, and single-range hydrostatic ground drive.

Circle No. 185 on Reader Inquiry Card

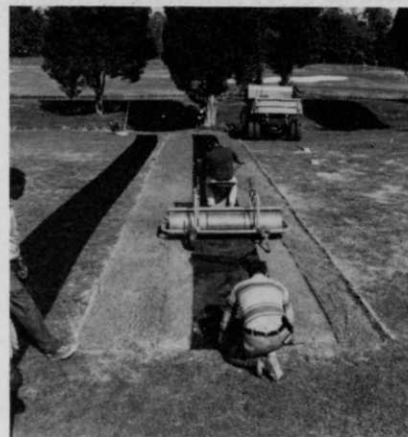
Advanced Drainage Systems, Inc. has developed two forms of synthetic wrapping to be used with ADS corrugated plastic tubing of up to 15 inches in diameter. The non-biodegradable drain envelopes provide a screen to stabilize soil and keep water flowing. Drain Guard can be used as a screen for normal installations, and the Sock is available for more rough-and-tumble jobs.

Circle No. 186 on Reader Inquiry Card

Turfcart by Cushman is a new heavy duty personnel and tool transport that can attain speeds of up to 14 mph. With

the passenger seat tilted up to form a backrest, the vehicle becomes a rugged carry-all for tools. Turfcart is equipped with lights for night use and is designed for a payload of up to 250 lbs.

Circle No. 187 on Reader Inquiry Card

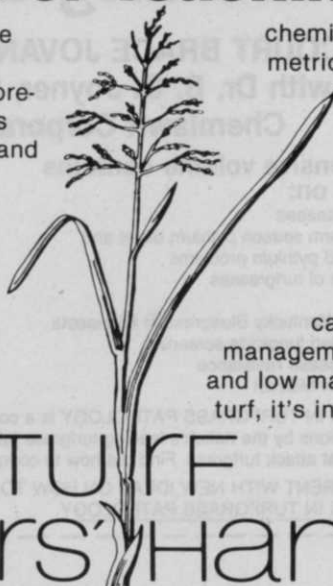


Proxel 80 SP insecticide from Tuco is designed for the control of white grubs and surface feeders in fine turf areas. It can be used with standard spray equipment and combined with other non-alkaline chemicals to save time. Appli-

Continues on page 94

Finally, An Aid For Teaching Turfgrass

Superintendents, Contractors, Lawn Care Managers, New, On-the-Job Reference. The Turf Managers' Handbook is a comprehensive, organized approach to turfgrass science and care. It has been designed and written by leading turf specialists from Purdue, Dr. William Daniel and Dr. Ray Freeborg, for on-the-job reference and as a text for students. The book contains 150 illustrations and 96 color photographs. Data includes 240 tables and forms. Included are specifications for rootzones, employment, calculations for



chemical applications, and extensive metric-imperial conversion. Business and technical aspects of turfgrass management are covered in this 424-page book. Planning, purchasing, hiring, construction, and plant selection are put together for easy on-the-job reference. Markets covered include lawn care, sod production, golf course management, cemeteries, athletic fields, and low maintenance areas. If it concerns turf, it's in the Turf Managers' Handbook.

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WTT 32

cation should be at the rate of 10 lbs. per acre and should be followed by thorough irrigation of the treated turf. Circle No. 188 on Reader Inquiry Card

Richway Industries Ltd. has introduced its TF-4 Foam Marking System. Designed for reduced maintenance



over their previous model, the new system was developed to ensure a simple and efficient method of operation.

Circle No. 189 on Reader Inquiry Card

Warren's Turf Nursery, Inc., has introduced its model T-7 Multi-Purpose Spreader designed for fast and accurate dispersal of seeds and chemicals. The compact, lightweight T-7 can be



adjusted for a spreading range of up to 20 feet. As the crank is being rotated, a constant, even flow is assured because of a continuously moving interior agitator.

Circle No. 190 on Reader Inquiry Card

Turf Seed, Inc. has introduced the new Manhattan II ryegrass developed by Dr. W.A. Meyer and the New Jersey Agriculture Experiment Station. The dark green grass was developed to have a fine leaf texture, high shoot density, reduced leaf extension rate, and good heat and cold tolerance.

Mallinckrodt, Inc.'s Dycarb is intended as a broad spectrum insecticide with both contact and stomach poison effects on insect targets. Phytotoxicity testing located 58 herbaceous plants and 43 woody plants to which Dycarb may be applied safely. The active ingredient is Bendiocarb: (2,2-dimethyl-1,3-benzodioxol-4-ol-methyl-carbamate).

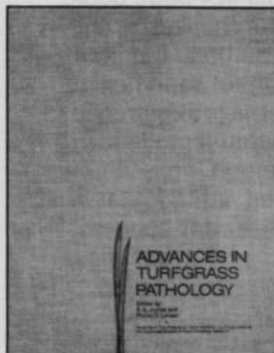
Circle No. 191 on Reader Inquiry Card

The Vermeer Manufacturing Co. has developed a 910-lb. tree spade mechanism engineered as a digging and packaging attachment for skid steer or front-end loaders with an auxiliary hydraulic hookup and a minimum capacity of 1,200 lbs. The Vermeer TS-24



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WTT 32

NEW PRODUCTS

Tree Spade is operated by a remote control system intended to eliminate cumbersome hose and valve attachments.

Circle No. 193 on Reader Inquiry Card

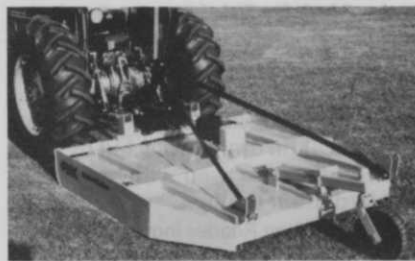
Echo, Inc. has added a new vacuum attachment to accommodate their models PB-9, PB-400 and DM-9 power blowers and duster misters. The PBAV-400 op-



erates on a venturi pump principle, with a lever creating suction air volume through the blower discharge pipe into the attachment's bag. Two or three bushel bags are available.

Circle No. 194 on Reader Inquiry Card

FMC Corp./Agricultural Machinery division has introduced its Side-Winder GB-700 heavy duty, single spindle rotary cutter. It features an 84-in. cutting swath, adjustable cutting height (from 2 to 10 inches) and will fit either a Category 11 or 111 standard or quick hitch. It can be purchased with hardware which includes a single ad-



justable, full swivel tail wheel and stabilizer arms for mounting to three-point hitch so that the unit has lift capability; or with hard ware which includes a dual tail wheel assembly, offset brackets for semi-mounting and a dual angle PTO assembly so the unit can be used in an offset mode.

Circle No. 195 on Reader Inquiry Card

Melex USA Inc.'s Turtle 212 is a four-wheel golf cart featuring self-adjusting rear wheel brakes with precision machined drums and a redesigned front



end. The vehicle also includes an automatic seat brake, sweater basket, mud guards and rear fender spike guards as standard equipment.

Circle No. 196 on Reader Inquiry Card

Two mulching mowers have been added to FMC Corp.'s 1982 Bolens line of lawn and garden equipment. Model 8622 features a 20-in. push mower including inset wheels for close trim-

Continues on page 96

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Circle No. 137 on Reader Inquiry Card

Circle No. 120 on Reader Inquiry Card



ming, adjustable and folding handles and a 3½ hp engine. The self-propelled, model 8642 is a four hp, 22-in. steel deck machine.

Circle No. 197 on Reader Inquiry Card

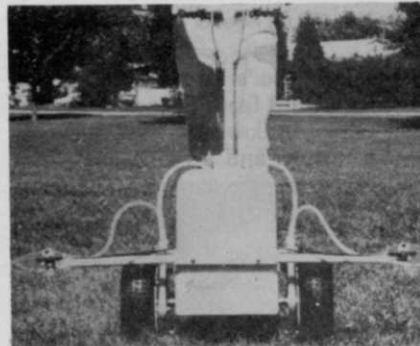
Alternative Energy Systems is manufacturing woodchip heating furnaces for small businesses with high heating costs, such as nurseries. The thermostat signals an automatic conveyor to feed woodchips from the storage bin to the firebox as required. High temperature burns off all creosote.

Circle No. 198 on Reader Inquiry Card

Drain-Chek by Brighton By-Products Co., is a groundwater drainage system available for use on slopes, basement areas and agriculture or general field use. The prefabricated system consists of a vertical fin drain protected by filter cloth, and can be used with or without standard drain tubing.

Circle No. 199 on Reader Inquiry Card

Wheel Spray Corp.'s Grounds Wheelie is used to apply liquid fertilizers, fungicides, herbicides, insecticides and growth regulators. The unit is powered by walking—no water hoses, cords, batteries or gasoline are required. The WS-480 is equipped with



two pumps, two nozzles, two foldup booms and shut-off controls located on the handle grips.

Circle No. 200 on Reader Inquiry Card

Aquatrols Corp.'s Aqua-Gro is designed for conservation by improving the spreading and wetting action of plain water. This blended, nonionic



agent works by penetrating the soil and moistening the rootzone profile. Aqua-Gro is available in spreadable or liquid concentrate form.

Circle No. 201 on Reader Inquiry Card

Ford Tractor dealers are set to introduce two new low-profile lawn tractors. The eight-horsepower model LT 81 and the 11-horsepower LT111 replace the current Ford LT 80 and LT 110. The new models are equipped with a dual-speed transmission, allowing six forward speeds and one reverse speed to



double the LT's current selection of forward ground speeds. The LT's cowl and rear fender are restyled and redesigned with rust-resisting plastics. The units also feature a flip-up hood for easy access to the engine compartment. A 34-in. mower deck is standard on the LT81. The LT 111 features an optional 42-in. deck.

Circle No. 202 on Reader Inquiry Card

Jacobsen Turf Products has introduced a hydraulically driven vertical reel mower that interchanges with hydraulic drive fairway gang units to re-



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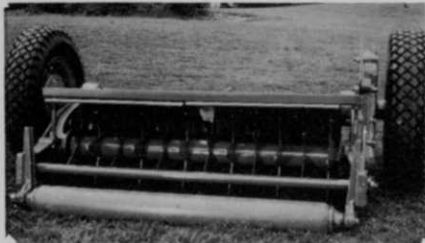
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Circle No. 132 on Reader Inquiry Card

NEW PRODUCTS



move and control thatch, reduce compaction and aerate soil. Another Jacobsen product is the Greens King IV riding reel mower which features hydraulic backlapping with reels in place.

Circle No. 203 on Reader Inquiry Card

Custom Products has introduced a new type of Cozy Cab for the John Deere 650 compact utility tractor. The new Custom 200 is the first Cozy Cab with a removable vinyl enclosure. The enclosure, consisting of wire frame vi-



nyl doors and vinyl sides and back, wraps around a four-post ROPS structure with a steel roof to form a weather-tight cab. Heavy duty Velcro fasteners hold the enclosure securely in place, yet permit removal for warm weather work.

Circle No. 204 on Reader Inquiry Card

Vermeer Manufacturing Co.'s V-430 is a compact, 30 hp, rigid frame utility tractor equipped with 4-wheel drive, power steering and 3-speed mechani-



cal drive. The 2861 lb. trencher digs 5-16-in. wide, and down to 60-in. deep. Its features include a heavy-duty crumbler, a digging chain with a tensile strength of 43,000 lbs. and a large diameter end idler.

Circle No. 205 on Reader Inquiry Card

Midmark Corp. has introduced a compact, 7.5 hp walk-behind trencher with a variable digging speed for different soil conditions. Its 20,000 lb. digging chain is designed to trench as deep as 30-in. and as wide as 6-in. Other features of the Midmark 108 include hydrostatic propulsion.

Circle No. 206 on Reader Inquiry Card

London Fog Co.'s portable hand fogger is a 24 lb. unit powered by a gasoline engine. The tool was designed to



create a dense fog of insecticidal solution capable of filling an acre's worth of mosquitoes, gnats, and other flying insects in three to four minutes.

Circle No. 207 on Reader Inquiry Card

Fox Valley Marking Systems' Easy Marker Handle has been redesigned for increased control, comfort and rugged. It has a protective steel hood over the spray tip and the working mechanism is contained within a heavy gauge



steel housing. According to the manufacturer, Easy Marker Handle is perfect for laying out golf courses, grounds for repair, newly seeded areas, traffic control, coding landscape plant material and locations for installation.

Circle No. 208 on Reader Inquiry Card

Continues on page 98



NEW SPRAY NOZZLES and ACCESSORIES From SPRAYING SYSTEMS CO.

NEW— QuickJet™ Nozzle Assemblies

A unique new system of quickly interchangeable self-aligning spray nozzles and spray tips. To provide choice of spray droplet size, in full cone, hollow cone and flat spray patterns. 3/4" NPT (M) inlet conn. Write for Bulletin 195.

NEW— Model 146 DirectoValve®

For remote "on-off" control of spray nozzles and booms from operator's location. Operates on 12 VDC system. Pressure range from 0 to 65 psi. 1 1/4" NPT (F) spray line connection. Write for Data Sheet 16108.

NEW— Model 244 Electrical Regulating Valve

For remote pressure control in agricultural spray applications. 3/4" NPT (F) inlet and outlet conn. Operates on a 12 VDC system. Pressures to 100 psi. Write for Data Sheet 16994.

NEW— 3/4" and 1" Nylon Liquid Strainers

Strainer head and bowl made of reinforced Nylon material for pressures to 75 psi. Threaded bowl can be easily unscrewed by hand. Write for Data Sheet 15353.

SPRAYING SYSTEMS CO.

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Telephone: 312 665-5000 / Telex No. 72-8409

Circle No. 152 on Reader Inquiry Card

The 1982 Cushman Runabout Model 531 features a redesigned frame, twin headlights and an improved suspension system. The two-person, three-



wheel turf care vehicle also includes a new centrifugal clutch, a 1500-lb. payload capacity, and an 18 hp engine. A more economical, 12 hp, one person Runabout is also available.

Circle No. 209 on Reader Inquiry Card

Loveland Industries, Inc.'s Tank and Equipment Cleaner was designed to work as both a neutralizer and a stain remover. It can be used on the inside of tanks, hoses, lines and nozzles to help remove residues left from acid-based pesticides, other herbicides and fertilizer. Available in one lb. re-sealable bottles, 12 per carton.

Circle No. 210 on Reader Inquiry Card

Fox Valley Marking Systems has introduced a brand new formula Trig-A-Cap paint in the original upside down can. The pigment is designed to be brighter, easier to see and make longer lasting marks. The paint is available in



12-oz. cans in APWA colors of yellow, blue, green, red and orange; regular colors of cloud white, electric blue, yellow and aluminum; and fluorescent colors of red orange, red cerise, orange and green.

Circle No. 211 on Reader Inquiry Card



Kawasaki's new two-cycle, 4.3 hp motor for use on heavy duty commercial mower and machines includes a CDI electronic system, a cast iron cylinder wall and a gas/oil mix of 25:1.

Circle No. 212 on Reader Inquiry Card

American Enka Co.'s Enkamat is a flexible soil-reinforcement webbing made from nylon monofilaments fused at their intersections. Its three-dimensional structure is a bulky mat of open construction, leaving 90% of its volume as open space which allows grass roots to grow into and through it. According to the manufacturer, Enkamat is environmentally safe, unaffected by

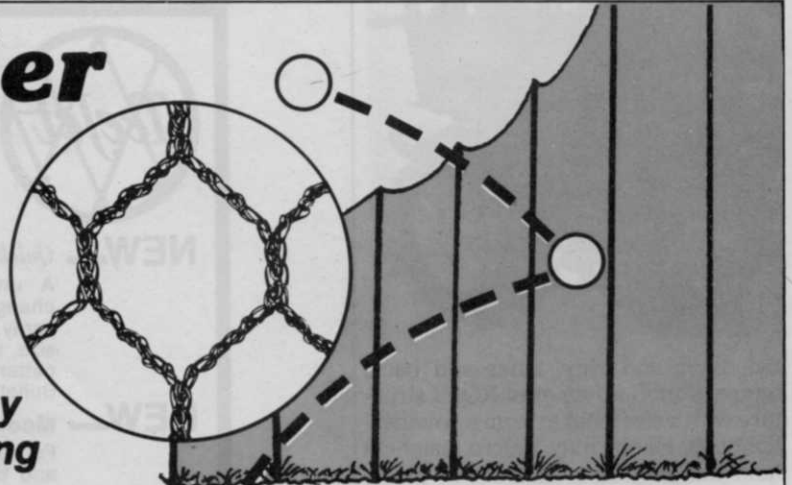
Continues on page 101

Ball Barrier Netting

New, easily installed, inexpensive way to stop "off course" balls.

Produced by the company that makes superior netting for tennis and industry.

- Fast installation—3 times faster than wire.
- Wide widths—eliminate 75% of joining pieces.
- No rust or mildew—made of olefin fibers.
- Light weight—easy to handle.
- Strong, tough—and priced right!
- Saves time—labor—money!



SPECIFICATIONS

- Material: Olefin Fibers
- Mesh size: 1"
- Strength per mesh: 60 lbs.
- Bursting strength per mesh: 220 lbs.
- Durability: 5 to 10 years
- Resistance: Will not rot or mildew

ACCESSORIES

- 3/16" airplane cable, 3700 lbs. breaking strength.
- Eye to eye turnbuckles and cable clips.
- Hog ring pliers and hog rings.
- "S" hooks.



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Circle No. 110 on Reader Inquiry Card

NEW PRODUCTS from page 98

humic acids and soil fungi, and its aerifying effect reduces turf compaction while promoting the growth of each individual grass plant.

Circle No. 213 on Reader Inquiry Card

The G-20 turf and general utility tractor from Jacobsen Turf Products features a broad power range, hydrostatic steering and diesel power. For



hauling equipment and supplies, Jacobsen has recently added the model 80 Trailer to its turf and grounds maintenance line.

Circle No. 214 on Reader Inquiry Card

J.A. Cissel now offers Ball Barrier netting specially designed for golf courses and practice ranges. It is lightweight,



according to the company. Cissel Ball Barrier is made in 6½- and 25-ft. widths.

Circle No. 215 on Reader Inquiry Card

Olympic Tall Fescue from Turf-Seed, Inc. is a turf-type fescue with a genetic background allowing for low fertilizer and water requirements. It has a dark green color and medium leaf texture, and was developed for good summer and low temperature color retention, good spring green up and good winter hardiness.

Circle No. 216 on Reader Inquiry Card

Continues on page 103

Weather-matic Works

and works and works
works and works and
day after day
week after week
month after month
year after year



Automatic landscape irrigation systems from Weather-matic are engineered and tested — and proved — to give years of trouble-free service. Costly callbacks for repairs and service seldom bother Weather-matic owners. And with the industry's finest selection of sprinkler heads and its most dependable valves and controllers, you can be sure to put exactly the right volume of water precisely where you want it, when you need it, without waste.

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Ditch Witch's model 1420 steerable walk-along trencher is equipped with a 14 hp engine with a diesel option. Features include a hydraulically raised



and lowered digging boom, hydrostatic ground drive, mechanical digging chain drive, and all controls accessible from one position. The 1420 can trench depths up to five feet.

Circle No. 217 on Reader Inquiry Card

FMC's Agricultural Machinery Division has announced its 1982 line of Side-Winder farm and grounds maintenance equipment. The line includes lightweight utility sprayers with tank capacities of up to 30 gallons, flail mowers for precision grass cutting, and light-duty blades with scraper attachment for leveling gravel and moving dirt. The mainstay of the Side-Winder line is the wide selection of rotary cutters for grounds maintenance.

Circle No. 218 on Reader Inquiry Card

The Toro Co. has introduced the Groundmaster 62, a commercial turf maintenance unit combining a rotary cutting deck with a twin cylinder, 4-cycle gasoline engine. The deck is a 62-ft. wide three bladed unit, offset



16-in. to the left side to facilitate mowing under low hanging limbs and to allow trimming. The flotation-type suspension allows the deck to move independently of the prime mower for minimal scalping.

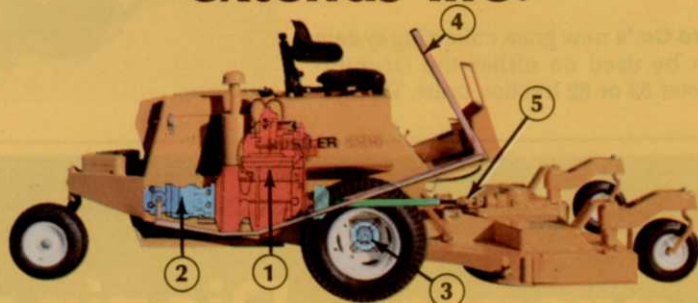
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Continues on page 104



to High Maintenance Costs.

Simple dual-hydrostatic drive system cuts maintenance, extends life.

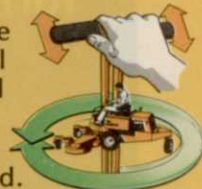


- 1. Engine.
- 2. Tandem hydrostatic pumps.
- 3. Drive wheel motor.
- 4. Twin levers (each controls one drive wheel).
- 5. PTO attachment drive.

The exclusive HUSTLER dual-hydrostatic drive system has many benefits.

First, the simplicity of the system results in low daily maintenance requirements. Second, there are no expensive gears, chains, steering linkage, clutches, pulleys and drive sprockets to maintain. The HUSTLER design eliminates these high-wear components and their maintenance.

Twin levers give the operator total one-hand control of forward, reverse, turning, braking and speed.



Two hydrostatic pumps and two drive wheel motors are the heart of the HUSTLER drive system. The dual-hydrostatic pumps operate at half the pressure of single pump units, so pump life increases dramatically.

HUSTLER is the simplest, most cost-efficient and maintenance-free line of grounds maintenance tractors on the market. See your EXCEL HUSTLER distributor for the solution to high maintenance costs.

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"Little Squirt" by Aquatrols Corp. is a new irrigation unit which allows for the injection of liquid concentrates directly into the irrigation system. The unit has the capacity for a wide range of application rates from less than one-ppm to 46-ppm at a standard irrigation flow rate of 600 gpm.

Circle No. 220 on Reader Inquiry Card

Toro Co.'s new grass collecting system can be used on either the Groundmaster 52 or 62 traction units. The sys-



tem consists of a 16-in. diameter blower assembly attached to the deck's discharge port and operated by the deck's PTO drive system. The one piece polypropylene chute directs the clippings into a bag support assembly made of steel tubing construction with a polypropylene bottom.

Circle No. 221 on Reader Inquiry Card

Ornalin from Mallinckrodt is a contact fungicide created for the control of Botrytis, a fungal disease affecting a broad range of ornamental plants. According to the manufacturer, use of Ornalin does not inhibit rooting of cuttings taken from treated plants, or leave unsightly residues on foliage or blooms. The active ingredient is 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione.

Circle No. 222 on Reader Inquiry Card

Bunton Co. has expanded their product line with new commercial rotary mowers. The 48-in. model is designed for easy handling during transportation and is available in both turf and



lawn models, with a choice of six engines. The 61-in. model combines the advantages of Bunton tractors with the low cost of self-propelled. It features an optional riding attachment and six forward ground speeds.

Circle No. 223 on Reader Inquiry Card

Jacobsen Division of Textron has introduced its Model 80 utility trailer for hauling turf equipment and supplies. The Model 80 has an all-steel frame and bed, 2800-lb. carrying capacity and tilts to allow an operator to drive



equipment onto its 6-ft. by 10-ft. 9-in. bed. A 1200-lb. capacity winch with a two-way ratchet and a positive off position is also featured for loading and unloading equipment.

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