

# PRODUCTS

## A mower for tomorrow from Kubota Tractor

Kubota Tractor Corporation has introduced the industry's first fully remote-operated mower, the PX-2100.

It's available now, but be prepared. Its price tag: \$22,000.

"It isn't something that will be sold in large volume," says Russ Green, tractor sales manager for Kubota.

"It's not priced in a range that most landscape companies will be able to justify," he notes.

The PX-2100 is designed to operate under radio control mode on grades too steep for conventional, self-propelled mowing devices, says Green.

"There's been a lot of interest in it. We've had the product at eight major shows and it's been viewed by a million people," says Green.

Green tells WT&T the tractor has been under development in Japan for three years. "The Japanese golf courses are hilly and traditional tractors are impractical," says Green.

The PX-2100 arrived in the United States in April and received its final engineering release for sale this fall.

Practical applications include the ability to mow steep embankments



The Kubota PX-2100 control box which controls the tractor up to 300 feet in ideal conditions.

around interstates, reservoirs, lakes, dams, railway rights-of-way, and powerline property.

What makes the PX-2100 ideal for steep inclines is the "crab" steering feature (4-wheel parallel) which helps counter drift on hillsides.

Two other steering modes are standard: conventional front wheel, and

4-wheel opposed steering for tightest turning radius (six feet).

The PX-2100 won't replace the need for a worker. The worker guides the mower with a battery-powered hand-held control box.

The box allows control from a distance of up to 300 feet in ideal conditions. The machine shuts down when the radio frequency is interfered with.

Other features include fully remote or manual operational control; automatic intermittent fan reversal to prevent overheating in prolonged usage periods; and automatic differential lock which allows all four wheels to turn at the same time.

The tractor has built-in safety over-rides that automatically stop the engine in a number of situations such as a power voltage drop, low fuel, low oil pressure, or high coolant temperature.

The machine stops in the unlikely event that the brakes fail. When fuel supply gets below two gallons, the Kubota D-950 engine automatically shuts down.

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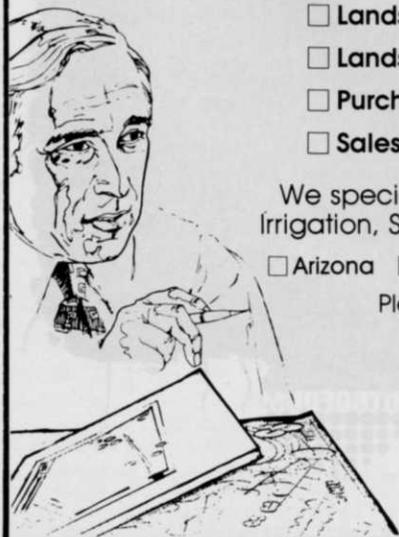
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## Full color brochures detail turf equipment line

Two new full color brochures detailing products and sales are available from Exmark Manufacturing Company. The brochures focus on Exmark's line of turf care equipment. Parts manuals for Exmark five-speed and variable-speed commercial power mowers are also available.

The company has also published an operator's manual for its 32-, 36- and 48-inch mowers. All literature contains information on product specifications, performance, ratings, and details on accessory items.

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## Wetting powder available as flowable formulation

Fermenta Plant Protection has begun manufacturing the pre-emergence herbicide Dacthal in a flowable formulation. The herbicide, previously only available as a wettable powder, comes in 2½ gallon containers and 55-gallon drums.

The flowable product allows for a more convenient control of crabgrass, spurge and a variety of annual grasses

and broadleaf weeds in established turf and 120 ornamental plantings.

The flowable Dacthal has good turf tolerance, virtually no leaching, volatility or photo-decomposition when exposed to sunlight.

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## Manual provides labels for chemicals, fertilizers

The 1987 edition of the Lesco Label Manual is available.

The 128-page manual provides specimen labels for 60 Lesco chemical and fertilizer combination products and their material safety data sheets. The manual also provides detailed information on fertilizers and lists grass seed available from the company.

According to the company, the manual gives customers information on uses and content of the products, and helps in product selection and application.

Lesco has also introduced an accurate, pocket-sized pH meter. Applicators and turf managers can take the pH Pen into the field and get laboratory-accurate measurements.

Using solid state circuitry powered

by conventional wristwatch batteries, the Lesco pH Pen can give quick readings of spray tank solutions or soil slurries. It features a gel-filled electrode which measures pH from 2 to 12 with 0.1 unit resolution. Readings are displayed in large, easy-to-read liquid crystal characters.

The pH Pen is available separately or in a kit with all the supplies necessary to take readings, including calibration buffers and sample cups.

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## Angled sill cocks made of heavy-duty brass

Harvard Full Flow Brass Angled Sill Cocks from American Granby are constructed of heavy brass made to meet rigid specifications. Each is individually inspected and tested, and has a stuffing box and notched flange for easy installation.

They feature full flow design with a large flow opening, and are available threaded or sweat in ½- and ¾-inch sizes. The angled sill cocks are stocked in depth and available for immediate equipment.

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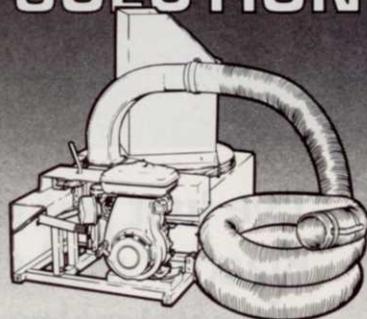
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## Pressure-sensitive tape can aid repair jobs

3M's Packaging Systems Division offers pocket-sized pads of pre-cut, 4x6-inch sheets of Scotch brand pressure-sensitive tape that can be quickly peeled and applied to make many taping jobs faster and easier.



A sheet can securely and tightly seal torn bags of fertilizer, seed, and other lawn and garden products. The

tape is also ideal for laminating mailing tickets, protecting labels, covering stickers, or other shipping applications.

The tape pads are sold 20 pads to a packet, with eight packets to a case, providing 160 pads, or enough to perform 4,000 taping jobs. A packet fits easily into a uniform pocket.

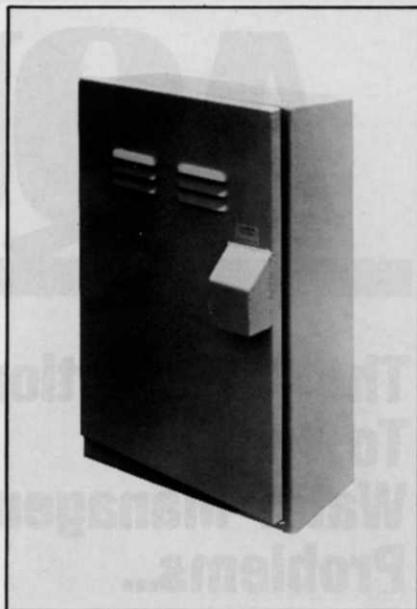
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## Vandal-resistant boxes feature heavy steel plate

Le Meur Manufacturing offers an expanded line of vandal-resistant irrigation controller enclosures, featuring many new standard features, including pre-finished colors and easy-installation mounting.

The enclosures feature a 3/16-inch steel plate (thick enough to stop bullets), lock-shield handle covers, and flanged doors. The new enclosures are available in two automotive enamel pre-finishes: foliage green or desert tan.

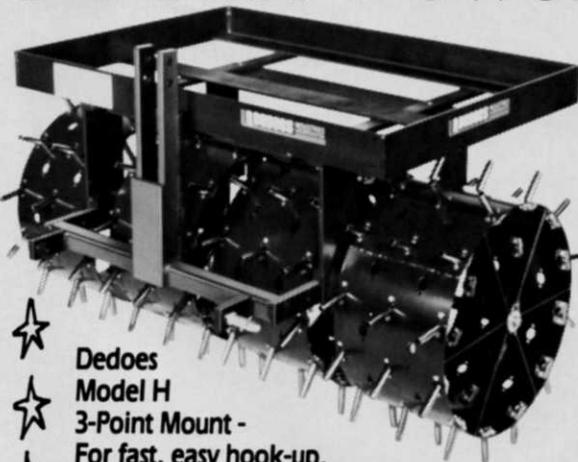
Le Meur will custom finish to any color the customer requires. Enclosures are available in stainless steel.



Installation is aided by a new anchor-bolt template which allows the unit to be mounted accurately on a concrete pad without using any additional tools. A 3/4-inch waterproof plywood panel permits the installer to place controllers or other equipment in any desired configuration.

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## 3-Point Power



**Dedoes Model H 3-Point Mount - For fast, easy hook-up, and rugged, dependable aeration!**

From athletic fields, parks and golf courses to commercial use, the Dedoes Model H is the "big job" aerator that smart supervisors depend on. Patented, hinged tines for clean plug removal are standard on 2-3-4 or 5 drum units with 36-60 or

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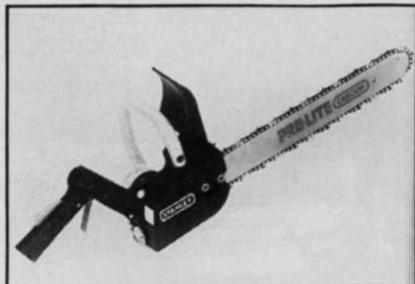
12429 Cedar Road, Cleveland, Ohio 44106. Phone (216) 791-5050



## Hydraulic chain saw redesigned for safety

Stanley Hydraulic Tools, Milwaukie, Ore., has redesigned its hydraulic chain saw for safer, more comfortable operation. The CS06 includes a chain catcher to prevent backlash from broken chains, a forward hand guard and a new trigger to prevent accidental starts.

The hollow trigger handle stays cool without oil passage inside. The



assist handle is located and shaped for better control, and the chain oiler is adjusted externally.

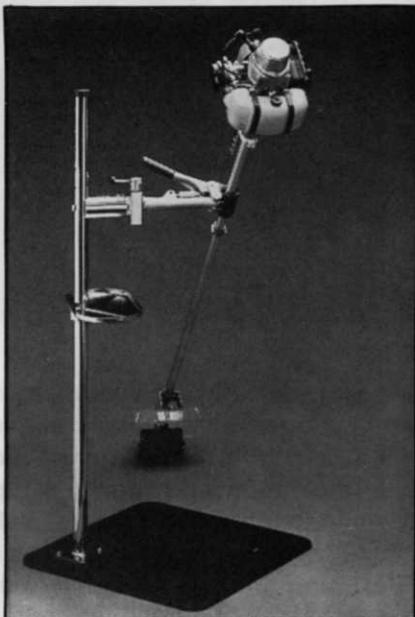
The CS06 accepts all standard bars. An adjuster for chain wear and guide plates keeps loose chain from jumping off the bar tail.

The saw is also available with a dual spool which allows the saw to be used as an open-center or closed-center tool. The CS06 is available in 12-, 15- and 20-inch cut lengths.

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## Stand can be used in trimmer repairing

A trimmer stand from Park Tool Co. originally was designed for the assembly and servicing of bicycles. But its versatility allows it to clamp hard-to-



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hold lawn trimmers.

The stand, which comes in five models, has quick-acting, vinyl-coated, spring-loaded clamps suited for assembly, servicing and adjusting lawn trimmers.

A simple locking lever system allows for complete rotation of the trimmers. The stand is zinc-coated for good appearance. Models include a regular and deluxe floor model, a regular and deluxe bench mount and a wall mount.

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### Diesel-powered tractors have many applications

Massey-Ferguson has introduced four new compact tractors to meet the increasing demand for diesel-powered tractors under 40 hp.

The 1000 Series tractors include the 21 hp 1020 Hydro, the 1030 at 26 hp, the M-F 1035 at 31 hp and the 35 hp



1045. (All horsepowers are manufacturer's ratings.)

The new models replace the old 1030 and 1040 compacts, and join the current M-F 1010, 1010 Hydro and 1020. Each tractor is available in either two or four-wheel drive.

Applications include light construction, lawn care, gardening and landscaping.

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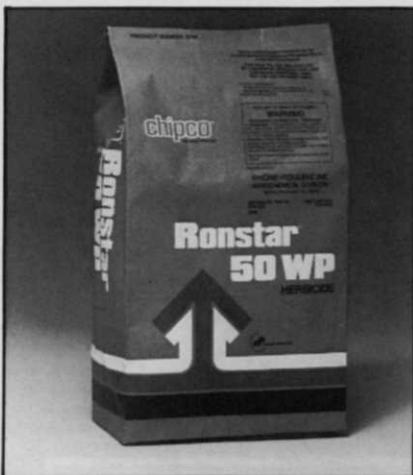


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### Pre-emergence herbicide controls broadleaf weeds

Chipco Ronstar 50 Wettable Powder from the Agrochemical Division of Rhone-Poulenc is now available from turf and ornamental chemical distributors.

The pre-emergence herbicide, registered earlier this year by EPA, has a long residual for control of goosegrass, crabgrass and other broadleaf weeds. Ronstar 50 WP is a companion product to Ronstar Granules pre-emergence herbicide. The



addition of the powder gives turf grass managers and nurserymen the option of either spraying or applying dry granules.

Circle No. 196 on Reader Inquiry Card

### Portable field scope cuts slide-making

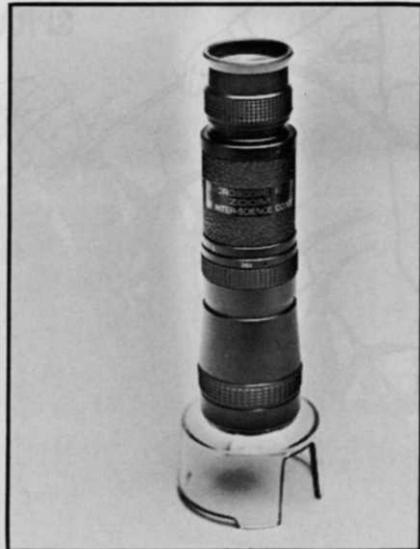
The Macroscope 18-36 Zoom from RF Inter-Science, Huntington, N.Y., a wide field zoom macroscope, provides variable magnification of 18 to 36 times, and a positionally correct image in a field-usable unit.

The unit's construction ends the need for slide preparation. It can be

used on the hood of a car or a flat rock.

The roof prism optics provide a bright image with ordinary ambient light in most situations. For low light areas, field usable lighting accessories such as a battery-powered light table or a penlight clip, are available.

Using the Macromate I, the Macroscope 18-36 is adaptable to 35mm



SLR cameras, permitting photomicrography at 18 to 36 times magnifications in the field at a nominal cost without elaborate set-up.

The unit has a measuring reticle calibrated in both inches and millimeters enabling measurements to about 0.001 inch.

Circle No. 197 on Reader Inquiry Card

### Sprayer is designed for difficult areas

The 200-052, 12 volt ATV sprayer from the Westheffer Company, is designed for hard-to-reach trees and turf areas.

The sprayer features a 12-gal. corrosion-resistant poly tank, a 12-volt



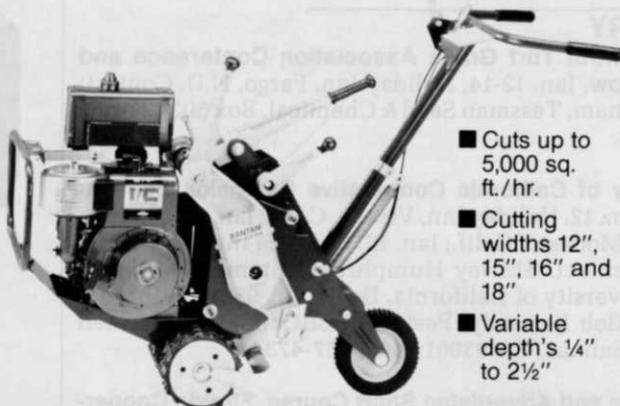
diaphragm pump, a pressure gauge and a heavy-duty toggle switch directly behind the operator's seat.

A handgun and hose assembly facilitates tree and shrub spraying, and a spray boom for turf covers an 80-inch spray swath.

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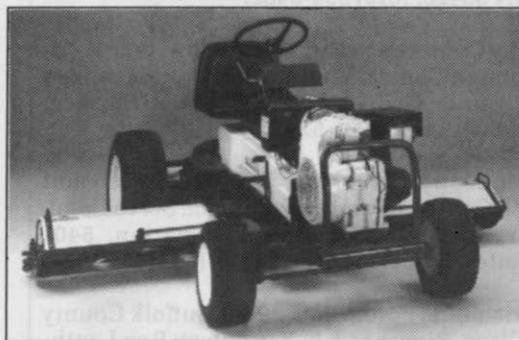
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