

When the job has to roll - when rolling's the job, you can depend on Brouwer!

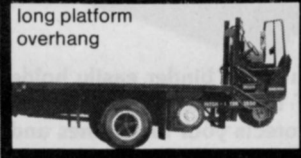


When you have to deliver
**Hitch-Hiker
3500 delivers!**

Fits both short and

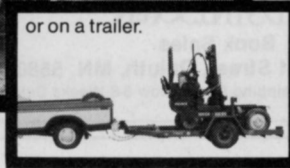


long platform
overhang



them all safely with fuel and maintenance economy. Pallet retriever option is another money-saver. Hitch-Hiker really does a job for landscapers and sod producers. Ask us for a proof-of-performance demonstration.

or on a trailer.

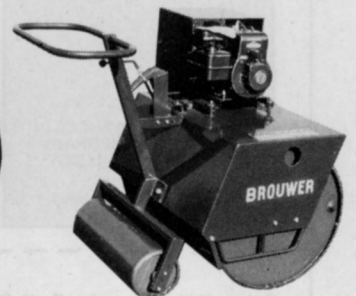


Roll it right with the Brouwer 230 and 130 Turf Rollers

Hydrostatic drive is what you want for a smooth slip free job. The Brouwer Tandem 230 ride-on has it linked to a sturdy 5HP engine capable of driving the big 30" rollers at a steady acre-eating pace. The special rounded edge rollers eliminate turf damage. The oversize steering wheel is what you need for walking the unit on steep slopes. Turning radius is just 4'.



With a simple conversion package the 230 converts quickly, easily to a single roller unit for use on turf, athletic courts and in confined areas. Ride it or walk it, the Brouwer 230 and 130 turf rollers save time, trouble and labour costs.



"CALL OR WRITE US FOR THE DEALER NEAREST YOU"

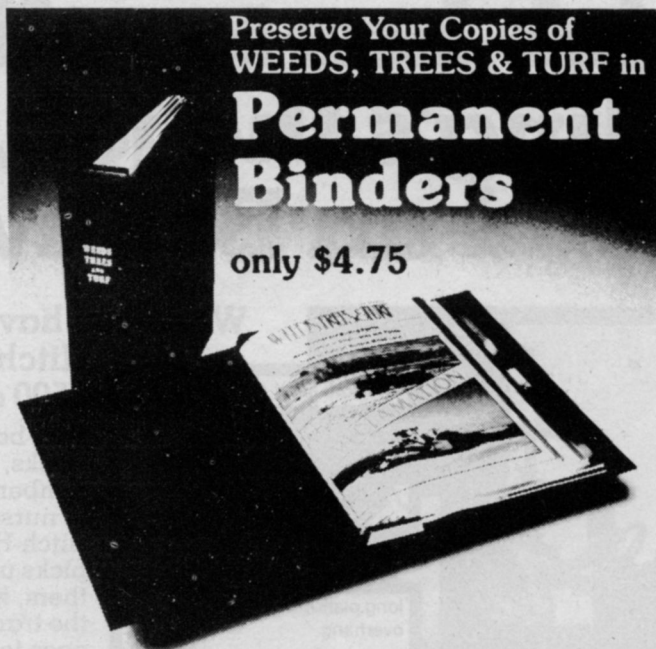
BROUWER

The Turf Equipment People

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Tel: (416) 476-4311

Circle No. 103 on Reader Inquiry Card



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News from page 80

for pharmaceutical and agricultural product marketing in Europe, the Middle East and Africa. In a previous assignment, he had similar responsibilities for Australia, Canada, Japan, the Far East and South Africa.

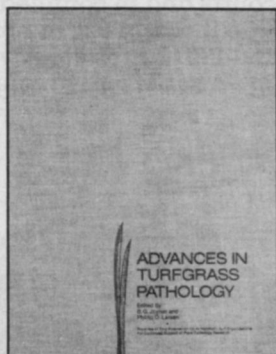
Oftanol adds Virginia registration

Oftanol 5% G, manufactured by Mobay Chemical Corp., Kansas City, MO, has been registered for use in Virginia. Oftanol is a granular organophosphate insecticide that is used for control of white grub larvae (such as Japanese beetle, Black turf grass Ataenius and Green June beetle), Hyperodes weevil, billbugs, chinch bugs and sod webworms.

In an effort to get Oftanol into the hands of potential users more rapidly, Mobay applied for both state-by-state and federal registration. While federal registration is still pending, Oftanol has been approved for use in Connecticut, Delaware, Illinois, Indiana, Kansas, Maryland, Michigan, Missouri, North Carolina, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and West Virginia.

Advances in Turfgrass Pathology

published by HARCOURT BRACE JOVANOVIICH PUBLICATIONS in cooperation with Dr. B. G. Joyner, Dr. P. O. Larsen and Chemlawn Corporation



This extensive volume contains chapters on:

- turfgrass diseases
- cool v.s. warm season pythium blight and other related pythium problems
- snow molds of turfgrasses
- fairy rings
- leaf spot of Kentucky Bluegrass in Minnesota
- initial and field fungicide screening
- turfgrass disease resistance
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ADVANCES IN TURFGRASS PATHOLOGY is a compilation of more than 23 reports and discussions by the nation's leading turfgrass pathologists. Explore the diseases that attack turfgrass. Find out how to conquer the battle of turfgrass diseases.

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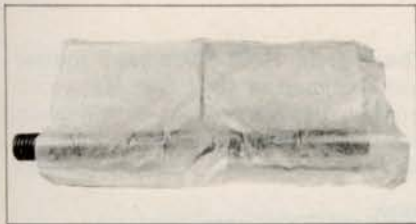
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WTT 22

PRODUCTS

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. 158 on Reader Inquiry Card

Miller Tilt-Top Trailer, Inc.'s model 1406 compact trailer measures 78 inches between its fenders and has a 14-ft. loading platform. It was designed



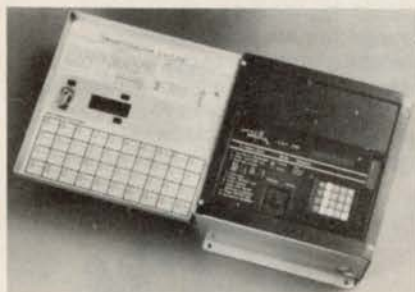
to carry wider and longer loads than comparable 6,000 lb. capacity units. Forged spindle 4-in. drop center axles give a loaded 1406 a low 13-in. ground clearance for increased stability.

Circle No. 159 on Reader Inquiry Card

Flying Kentucky Bluegrass produces a thick, low-growing turf that the Jacklin Seed Company recommends as an excellent "backbone" for any turfgrass mix. According to Jacklin, Flying has improved resistance to many diseases, and improved tolerance for drought, heat, cold, smog and traffic.

Circle No. 160 on Reader Inquiry Card

Regency Electronics has introduced an energy management controller for commercial use. The EMC 5700 stores up to 57 timed commands and programs can be scheduled for 24-hour, weekday, or weekend only cycles. An



external input feature allows for activation of a pre-programmed set of commands from a remote location.

Circle No. 161 on Reader Inquiry Card

Continues on page 84

Are you a Miser with Fertilizer?



If you're cutting down on your fertilizer and water bill,

OREGON GROWN CHEWINGS AND CREEPING RED FESCUE

is the grass you need. It's fine bladed and blends very well with other turf grasses. The fine fescues are noted for being real misers when it comes to low maintenance turf areas.

Use Oregon grown fine fescues for overseeding any turf area. It's the Miser grass!

OREGON FINE FESCUE COMMISSION

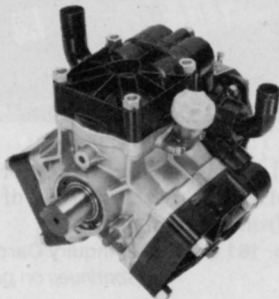
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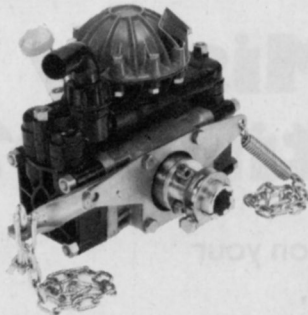
NEW! DIAPHRAGM PUMPS FROM HYPRO.

Announcing a complete line of low cost, low maintenance diaphragm pumps and accessories. These new pumps feature proven designs, high quality engineering and the reliability you expect from Hypro.

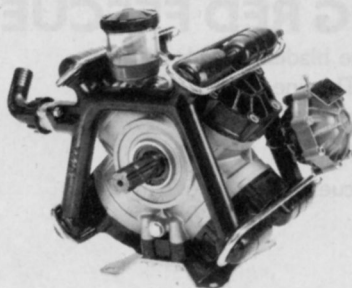
Outputs range from 5 to 60 gpm. Pressures from 250 to 850 psi. Pumps are extremely durable and easy to repair. Diaphragm pump applications range from spraying to pressure washing to liquid transfer to hydrostatic testing. And a full range of accessories plus nationwide Hypro service is available. Get the facts on new diaphragm pumps from Hypro today.



Low pressure diaphragm pumps, to 280 psi, with outputs to 60 gpm.



Medium pressure diaphragm pumps, to 580 psi, with outputs to 13 gpm.



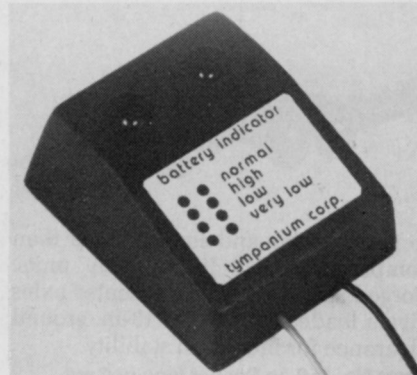
High pressure diaphragm pumps, to 850 psi, with outputs to 50 gpm.

Hypro
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Circle No. 121 on Reader Inquiry Card

Products from page 83

Tympanium Corp. has introduced a battery voltage indicator for monitoring 12v lead acid battery systems. The encapsulated indicator features a pair of colored LED's that light to signal any of



3 malfunctions: amber for insufficient charging, red for overcharging, and both for serious loss of charge.

Circle No. 162 on Reader Inquiry Card

Weed Popper from Wonder Products Mfg. was created to remove hard-to-pull weeds, such as Dallis grass, by the roots without the user having to kneel or bend. The tool is made of heavy-



gauge steel, zinc-plated for rust resistance, with a lacquered wood handle and tines of hardened steel.

Circle No. 163 on Reader Inquiry Card

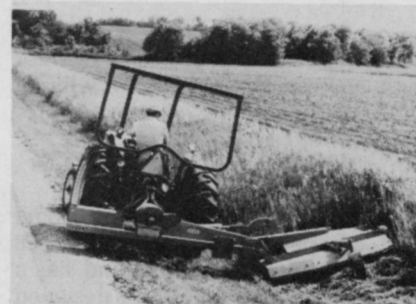
The John Deere 650 is a compact utility tractor providing 14.5 hp at the PTO. Powered by a 2-cylinder, water-cooled 52.1 cubic-inch diesel engine, it features a sliding gear transmission with eight forward and two reverse speeds, and a ground clearance of 11.3 inches. Power steering and mechanical front-



wheel drive are optional.

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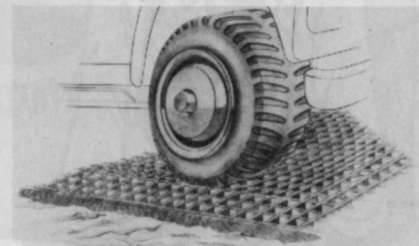
The Woods' S260 ditch bank mower was designed to cut a five foot swath from 90 degrees upward to 70 degrees downward. Overlapping free swinging blades were created for clean mowing



and the mower deck can be locked into a vertical position for road transport. Safety features include shielded universal drive line and belts.

Circle No. 165 on Reader Inquiry Card

Reusable anti-mud grids by Grass Pavers Ltd. were created to prevent wheel rutting and mud bog down of heavy vehicles running over soft soil. The polyethylene grids are designed



to be laid over non-reusable filter cloth and can be utilized wherever vehicles are needed for off-the-road purposes.

Circle No. 166 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

Continues on page 89

Now, a second choice in shafts for your first choice in trimmer/cutters.



Introducing the Hoffco JP225 straight shaft.

It's the Hoffco trimmer you wanted for those hard-to-reach jobs like cutting under fences and pruning dense vegetation.

Our patented flexible drive shaft delivers full power from the 22.5cc Fuji-robin engine, also protects gears and engine from shock loads.

Hoffco's Guardian Triangle is a three point suspension that promotes operator efficiency, comfort, safety. Two-line monofilament cutting head is standard; tri-kut weed blade and brush blades are optional.

For lighter work, our lightweight WC215H.

It's got reach, maneuverability and the power to go after grass and weeds every day, all season long. Engine is the dependable 21.2cc Kioritz, proved on the job in Hoffco professional/commercial models.

Vibration-dampening loop handle, fatigue-reducing shoulder harness and two-line monofilament cutting head all come standard.

Hoffco Model JP225 straight shaft with steel grass shield.

Hoffco Model WC215H curved shaft with plastic grass shield.

Patented flexible drive shaft.



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Circle No. 120 on Reader Inquiry Card

Should an aerator that produces greens like this be considered a luxury?



Aerating the delicate turf of a green is not like any other aerating job. It requires deeper penetration. More soil removed. And no torn turf.

The one way to get that kind of greens aeration is with a self-propelled Ryan Greensaire® II.

Unlike the rolling action of most aerators, the Greensaire's tines penetrate the turf in a fast, up-and-down motion. The

aeration is so precise that even fresh holes shouldn't affect the roll of a golf ball.

Greensaire aeration is thorough, too. Its tines remove 36 cores, up to three inches long, from every square foot of turf. And it can be equipped with a Core Processor that collects the thatch and returns the soil as top dressing in one operation.

The Ryan Greensaire II. When you consider that grounds are first judged by your greens, it's anything but a luxury.

CUR2-5760

THE RYAN GREENSAIRE II.

- Yes, I'd like a demonstration of the Greensaire II.
- Please send me your 1982 turf-care catalog.

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the
Reader
Service
numbers
of those
items of
interest
to you.



**GET
MORE
FACTS**



features of the Midmark 108 include hydrostatic propulsion with infinite speed, and an outboard headshaft bearing.

Circle No. 167 on Reader Inquiry Card

An operator-programmable nuclear gauge for the automatic processing of irrigation scheduling data is now available. According to the manufacturer, Campbell Pacific Nuclear Corp., the Hydroprobe is the first device of its



kind, allowing the operator to enter data directly into a computer, and within seconds get back scheduling information in printed form.

Circle No. 168 on Reader Inquiry Card

The Ground Ox by Taylor Manufacturing Co. is a three yard scraper/leveller featuring positive forced ejection and patented guidance systems.



With the ejection door opened, the Ox operates as a scraper; with the door closed to one foot behind the cutting blade, it becomes a field plane. It is designed for simple maintenance and

easy manueversability according to Taylor.

Circle No. 169 on Reader Inquiry Card

Sudbury Laboratory, Inc.'s weather-resistant plant stakes are constructed of lightweight steel with a plastic coating. Available in a variety of lengths, the dark green Dura-Stakes have a tooth-style surface created for easy tying and vining.

Circle No. 170 on Reader Inquiry Card

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NATIONAL PEST CONTROL ASSOCIATION

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How to make a
great crabgrass herbicide
even better for turf.

About the only thing that could make
Chipco® Ronstar® G herbicide better for
turf would be to lower the cost. So that's
what we've done. Now you can get the
superior performance of Ronstar G at a



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