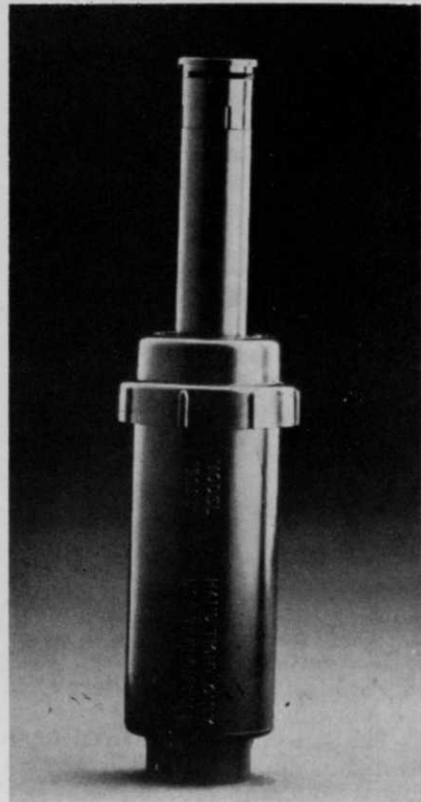


PRODUCTS

Spring-loaded sprinklers replace spray heads

The Royal Coach/Buckner 132 series of spring-loaded plastic pop-up sprinklers is designed to replace spray heads and risers. The 3, 6 and 12-inch sizes can be easily installed in most lawns, ground covers and grasses. The



taller models can be used in place of risers and are in view only when operating. This can reduce the chance for vandalism to the sprinkler system. The sprinklers also include a filter that can be cleaned by removing only the nozzle instead of the entire assembly. They are available with either

brass or plastic balanced flow nozzles with a flow adjustment screw for water conservation.

Circle No. 175 on Reader Inquiry Card

Olathe introduces portable spot sprayer

The Olathe Model 10 Portable DC powered spot sprayer is ideal for spraying herbicides and insecticides. It can be attached to any 12-volt vehicle. Specifications are: Chemical resistant 10-gallon tank; 12-volt DC Pump (5 to 7 amp) 2.5 gallon/min at 30 psi. EPDM Rubber Hose 10 ft. std. Eighteen-inch hand gun with adjustable tip. Dimensions are 36 inches long, 12 inches wide and 15 inches high.

Circle No. 176 on Reader Inquiry Card

Trojan golf batteries are pounds lighter

New golf cart batteries from Trojan Battery Co. improve cart performance with no loss of charging capacity due to new design standards. The heavy-



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For FREE literature, testimonials, prices, phone toll-free 1-800/435-9630. (In IL, call 815/732-3239). Or write



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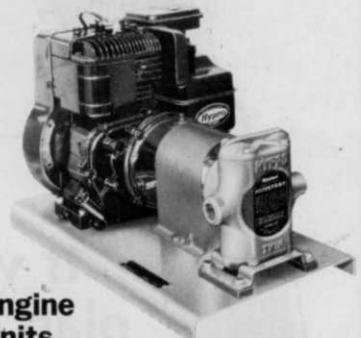
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Get the performance you want.

Hypro pumps deliver the pressure to put spray where the pests are. The output to help you work fast. A choice of pumps to match your equipment. And the reliability to keep your equipment in business.

If that's the kind of performance you want, get in touch with America's pump leader. Send for your free Hypro pump catalog now.

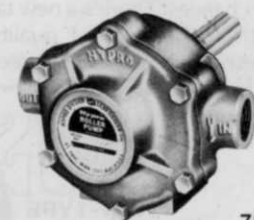
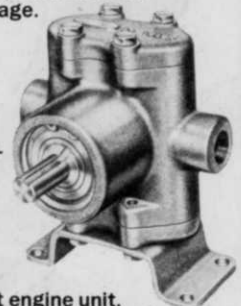


Engine Units

Complete and ready for work: efficient 3 or 5 HP gear-reduced gas engine, rugged Hypro piston or roller pump and steel base plate, all in one compact package.

Piston Pumps

For high pressure applications, pick the Series 5200: pressures to 400 psi, outputs to 10 gpm, with or without engine unit. Or get the Series 5300 for 1800 rpm drive, pressures to 500 psi and outputs to 3 gpm.



Roller Pumps

For high output, get the Series 7560 or Series 6500 with or without engine unit. You'll get outputs to 22 gpm, pressures ranging up to 300 psi. For lower output, pick the Series 4000/4100: maximum output is 9 gpm, maximum pressure to 150 psi.

Hypro
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Circle No. 123 on Reader Inquiry Card

duty T-105 saves 6 lbs. of weight while the standard T-90 is 2 lbs. lighter than its predecessor. Advanced plate design provides more surface area for a longer lasting charge. New separators better retain active material in positive plates to prevent shedding and antimony transfer, two major causes of battery failure. A polypropylene case with fused cover seal makes the unit more crack and leak-resistant and an extra-large water reservoir reduces maintenance.

Circle No. 177 on Reader Inquiry Card

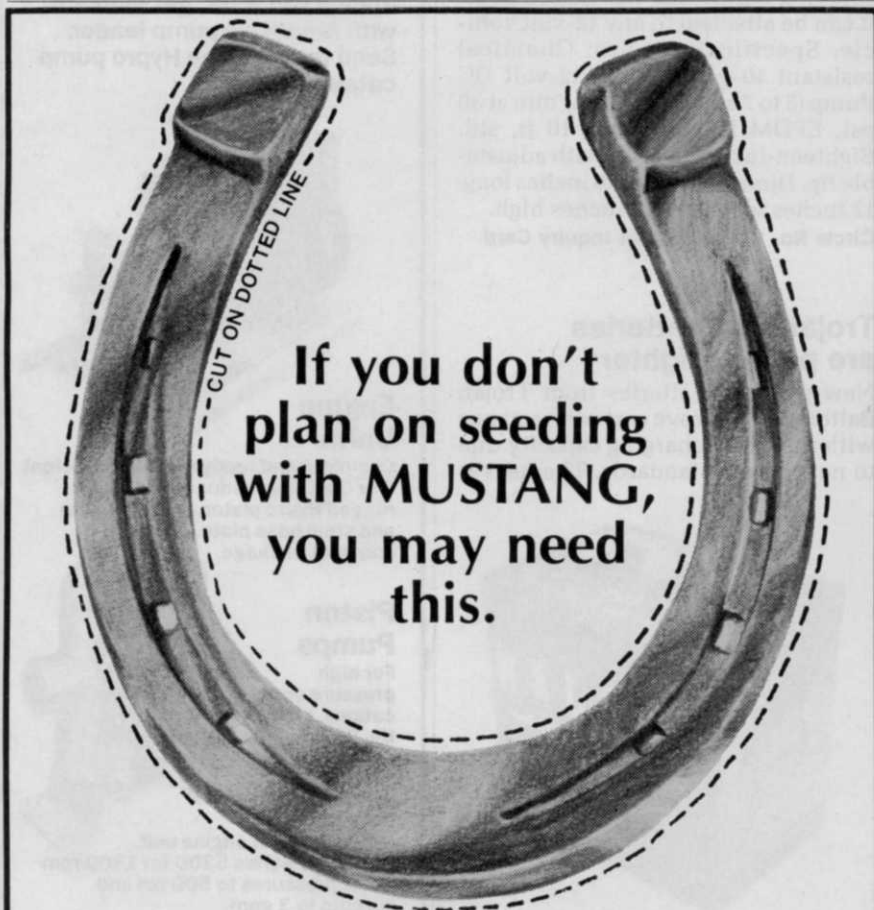
New herbicide handles wide weed spectrum

Weedone DPC post-emergent herbicide has just received EPA label clearance for use on turf. It combines two of the best-known broadleaf killers, 2,4-D and dichlorprop (2,4-DP) for broad spectrum control of both annuals and perennials. According to Union Carbide, Weedone DPC is also highly effective for controlling ground ivy, oxalis, chickweed and poison ivy as well as more common



weeds like dandelion, plantain and wild garlic. The new herbicide will be marketed as Clean Crop Weedone DPC through Balcom Special Products and Lesco Weedone DPC through Lakeshore Equipment and Supply Co.

Circle No. 178 on Reader Inquiry Card



Why take chances? There's a new tall fescue whose superior turf quality, disease resistance and dark green color make it a breed apart from the others.

Mustang's high seedling vigor and excellent heat and drought resistance make it the one you can bet on. So, don't try your luck—try Mustang.

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Sidewinder 848 gives maximum serviceability

FMC Corporation has introduced the Sidewinder 848, a heavy duty cutter which requires minimum maintenance and provides maximum ser-



viceability. It is the only cutter on the market without a gearbox.

The Sidewinder comes in 66, 72 or 84 inch width in lift or pull versions and is built with proven FMC engineering and performance.

Circle No. 179 on Reader Inquiry Card

Doggett introduces five new tree fertilizers

The Doggett Corporation has introduced five different tree foods.

XL-Injecto Feed 32-7-7 is a high nitrogen analysis with 59 percent of the nitrogen slow release in the form of Powder Blue Nitroform. The remainder of nitrogen is 100 percent soluble and immediately available to the tree. Recommended use is in early spring at bud break through early-middle summer.

XL-Injecto Feed 12-24-24 is a low nitrogen product with 50 percent of the nitrogen from Powder Blue Nitroform; the remainder, 100 percent soluble. It is higher in phosphorous and potash. This formulation was designed to be applied at that time of the year when the tree or shrub is

continued on page 78

approaching dormancy. This fertilizer is low in nitrogen to avoid forcing new growth that would not harden off before winter, causing burn and die-back.

XL-Injecto Feed 5-30-30 is very low in nitrogen and very high in phosphorous and potash. This product was designed for situations where there is a very high deficiency of those two elements and for root stimulation in stressed situations or transplanting. It should be used only under extreme conditions. The manufacturer warns

the full usefulness and effectiveness of this product still holds some question and applications of it are under observation.

XL-Spray-Fol 30-10-10 is one product designed for the tree care industry that is 100 percent soluble, having no slow release. The manufacturer suggests using this product in the spring and summer in conjunction with insecticide spray applications. It will enhance the appearance of these applications through quick green-up, from nitrogen being absorbed directly

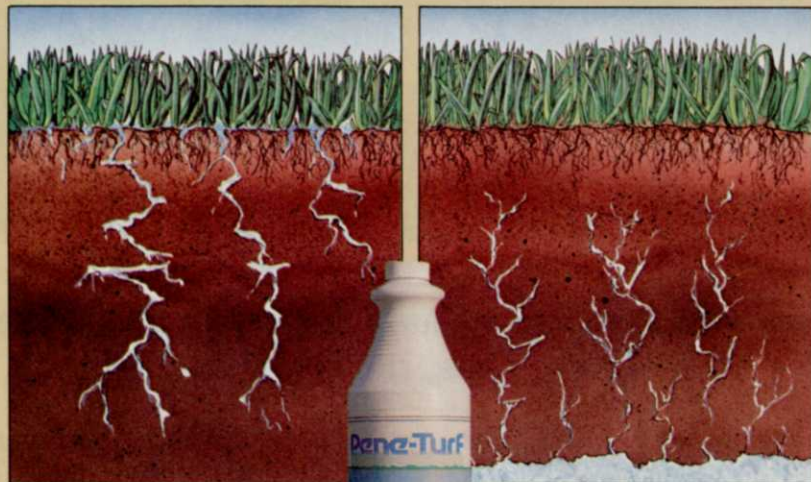
through the leaf. See manufacturer's directions before applying.

XL-Evergreen Special 30-7-10 was designed for evergreen trees, plants and shrubs. It is a soil acidifier with additional iron added for good color and health. It is for soil injection at the root area and contains approximately 30 percent slow release nitroform in its 30 units of nitrogen. This fertilizer is chloride free, low salt and has micronutrients.

Circle No. 180 on Reader Inquiry Card

Wet or Dry

Get the Pene-Turf Advantage For Less Than Half the Cost.



IN WET WEATHER, Pene-Turf makes soil more permeable, aiding drainage and reducing runoff.

IN DRY WEATHER, Pene-Turf means better availability of capillary water to keep grass from drying out.

Hundreds of professional turf managers across the nation know the benefits of Pene-Turf Soil Treatment...improved permeability and aeration in the soil...better rooting, drainage and chemical incorporation...elimination of isolated wet and dry spots and protection against erosion.

But the best fact is the cost. For less than the cost of treating only greens with similar products, you can treat the entire course with Pene-Turf. It's the most cost-effective weapon you have against all kinds of soil and soil water problems.

Find out for yourself...write today for more information, or call TOLL-FREE, 1-800-348-2608. Distributor inquiries invited.

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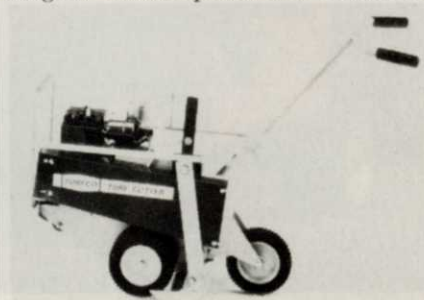
Toll-Free: 1-800-348-2608

Indiana: 219-824-5384 Collect

Circle No. 164 on Reader Inquiry Card

New turf cutter has one-third fewer parts

A self-propelled sod cutter powered by a 3-HP industrial/commercial engine is now available from Turfco Mfg. of Minneapolis. The Model A



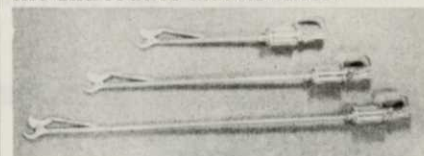
cuts 12-inch wide and 3/4-inch thick sod at speeds up to 75 feet-per-minute. Weighing 140 lbs. and operated by a single clutch lever, the sod cutter has one-third fewer parts for simplified maintenance. A removable handle makes storage and transportation easy.

Circle No. 181 on Reader Inquiry Card

Bud-Air pruner sports '84 improvements

The new "Bud-Air" air-powered pruner from Friend features an all new handle guard in addition to numerous strength improvements.

The specially-hardened blade and hook hold a sharp edge longer. Power shaft and link arm design extend tool life and reduce maintenance.



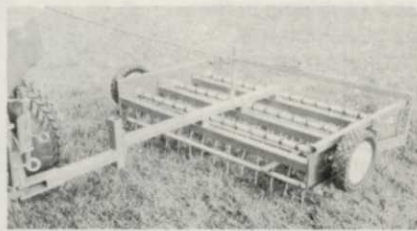
The lightweight compact "Bud-Air" design makes it easy for the operator to make more cuts with less effort. This is especially important within the main canopy of the tree where maneuverability is important. Only one small 1/4 inch air hose is

required to power the pruners. Using recommended operating pressure of 90-130 psi, the "Bud Air" uses three to four CFM air (under average use).

The simple strong design allows the operator to perform his own adjusting and maintenance on the job. "Bud Air" tools are available in 26 inch, 36 inch, 54 inch, 72 inch and 96 inch overall lengths. "Bud Air" 3-point tractor mount PTO driven and engine driven air compressors are available in 8 cfm, 18 cfm and 30 cfm. **Circle No. 182 on Reader Inquiry Card**

Tine Rake boasts approved efficiency

A patented design based on the hand rake makes the Tine Rake more effi-



cient than other methods of dethatching, aerating and loosening imbedded mulch, according to the Tine Rake Co. of Rayton MO. The tines face in the direction of travel, placing tension on them to control raking depth. Available in both front- and rear-mount models, the device attaches easily to riding mowers and tractors with 8-HP or more power.

Circle No. 183 on Reader Inquiry Card

Vibratory plow from Ditch-Witch

A compact lawn plow than can travel through a 36-inch gate is now avail-



able from Ditch-Witch for burying service lines without trenching. The V252 has four-wheel drive and power steering and features a four-weight vibrator plow with unitrolly assembly. Blade options allow installations with cover from 10 to 13 inches for electric, telephone and television cable and plastic pipe.

Circle No. 184 on Reader Inquiry Card

Farmtrim 450 handles the slopes

Grass, brush and shrub up to 1-1/2 inches thick are no problem with the new Farmtrim 450. Designed for municipal use, the reach-type mower attaches directly to the three-point



linkage of tractors with 35 or more horsepower without special brackets. A hydracushion flotation system helps the cutting head follow uneven ground and guaranteed-unbreakable flails are standard equipment.

Circle No. 185 on Reader Inquiry Card

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