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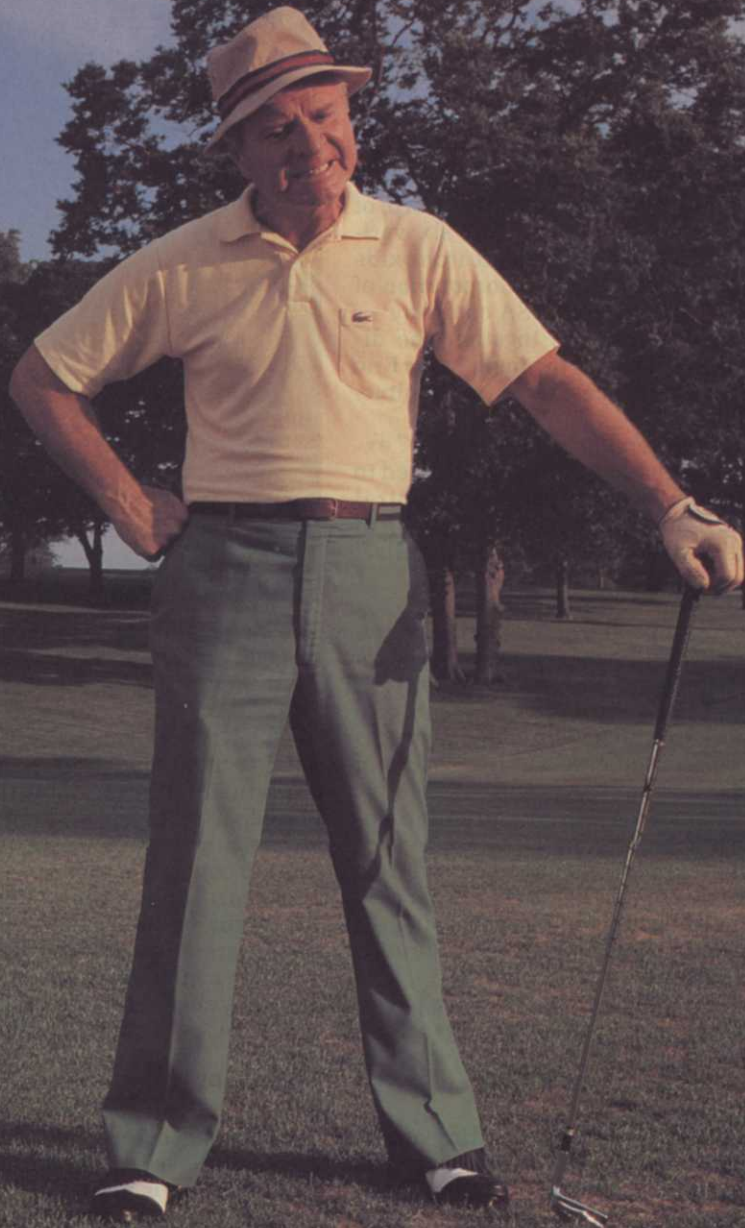


Circle No. 106 on Reader Inquiry Card



**From
sweet spot**

...to dollar spot (!?!%!!)



Paving stones used in campus remodeling

A 20-year remodeling plan underway at Purdue University has brought impressive cosmetic changes to the college's Purdue Mall. Pedestrian traffic has been made easier and safer by removing a mid-mall parking area and diverting motor traffic to a perimeter parking garage. The scissors effect of intersecting avenues at cross purposes, which use to impede pedestrian progress has been entirely eliminated.

Paving stones underfoot

To create a colorful and workable design, landscape architects Rundell Ernstberger and Associates of Muncie, Ind., used colored concrete paving stones, arranged in checkerboard patterns. The polychromatic pavers were custom-colored by Interpave Corp. of Cincinnati. Interpave used six varieties of Bayferrox synthetic iron oxide pigments from Mobay Corporation of Pittsburgh, a Bayer USA company.

"The pavers tie together the diverse elements of the mall," says Eric Ernstberger, a partner in the architectural firm.

"The checkerboard pattern," explains Ernstberger, "was selected to provide a complementary neutral field among the very busy pattern of radial walks and concentric walls."

Colors well-chosen

The color palette of the paving stones, says Karen Fennerty, landscape project manager for the university, is based upon Purdue's black and gold colors, to which were added pigments of beige, blue-grey and two shades of red.

All six colors are blended together in the pavers. Dominant color tones of charcoal and red, which create the checkerboard effect, are achieved by increasing the ratio of these primary pigments within the integral blend.

The six-color matrix of the pavers creates its own visual experience. As light lingers over the mall, it elicits overtones of one or another of the six integrated colors.

"There is a subtle shifting of rich color tones in color cadence with the overhead movement of the sun," says Fennerty.

Pavers remove easily

Thomas Schmenk, director of facilities planning for Purdue, says the pavers can be removed and replaced if necessary.



The stones used to pave Purdue Mall have a minimum compressive strength of 8,000 psi (photo courtesy of Mobay Corporation of Pittsburgh).

"The pavers can be removed by hand to make underground repairs," explains Schmenk, "and then replaced, without leaving the tell-tale patchmarks that disfigure asphalt or poured concrete surfaces."

According to Kevin Piers, vice president of Interpave, "when the pavers are properly set in sand, they allow for movement due to freeze-thaw cycles without cracking or breakage."

Important first steps

The paver installation starts with an 8-inch gravel base, placed, graded and compacted over a filter fabric. Coarse bedding sand is placed over the prepared base, to a depth of one inch and then screened to produce a finished, even surface. The pavers are fitted together by hand in a pre-planned pattern, and all the cutting to fit the shapes of the paved areas is done on site.

A plate vibrator is used to firmly seat the stones for initial interlock. Then, sand is spread over the surface and the entire area is vibrated again, filling in the joints between the pavers and locking them in place.

The pavers measure eight and six inches square, with a 1/8-inch bevel. The cost of installing the pavers over a prepared base was \$4.50 per square foot.

Particular care was taken in fitting the pavers to the curves and circles in the fountain promenade area.

"In circumferential designs, the pattern is carefully calibrated so that the bond comes back together when an arc or circle is completed," says Russell Wilson, field superintendent of the LPS Pavement Company of West Chicago, Ill. According to Wilson, cutting the pavers in the radii of circles required much precision, which was acquired by using diamond blades to insure a tight fit. **LM**

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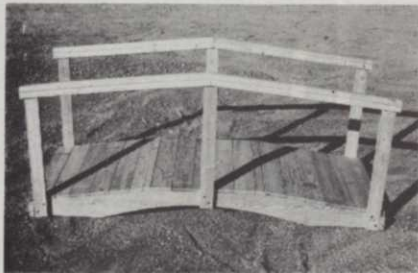
Circle No. 275 on Reader Inquiry Card

PRODUCTS

A way to bridge gaps in landscape designs

Bloomers Unlimited of Rocky River, Ohio has just released a landscaping bridge for use around streams and ponds or just as decoration for the back yard.

The bridge is constructed from pressure-treated pine with a rounded, easy-to-grip handrail.



It is available in 6-, 8-, and 10-foot models.

Circle No. 200 on Reader Inquiry Card

Front mounted sweeper works as dethatcher

The Sweepster Model HFA is a front-mounted sweeper that attaches to most tractors over 24 hp with a 540 PTO. The

standard six-foot wide, 32-inch diameter brush is driven from the rear PTO.

Manual angle change 30° to the right and left is standard. Sweepster says the Model HFA can double as a dethatcher. Gentle rotating action of the brush removes debris without damaging the root system. The brushes bend as they pass over uneven surfaces and hidden objects in the lawn like sprinkler heads. This reduces the damage to both the prime mover and sweeper.

Full brush contact removes more thatch, and the soil is exposed to more sunlight, water and fertilizer, Sweepster notes. Seeds contact the soil evenly over the cleaned area. Fertilizer and water reach the soil faster. The soil warms faster because more sunlight can reach it. Wet areas dry faster.

Circle No. 201 on Reader Inquiry Card

Stainless steel injector runs on water pressure

T.M.B. offers a stainless steel fertilizer/chemical injector that is an economical energy saver. It operates solely on available mains water pres-

sure, and its large diaphragm motor enables operation even under severe sandy water conditions.



Three models are available, allowing injection rates from 0.75 gph to 156 gph.

T.M.B. says the injector is easy to operate and maintain, and can be con-

MITE.



veniently automated to work with controllers and computers. Its durable, stainless steel construction allows injection of all chemicals, fertilizers and pesticides. The units make fertigation easy, affording more yields with less chemicals and fertilizers, T.M.B. says.

Circle No. 202 on Reader Inquiry Card

New drainage system for synthetic, natural turf

The J-Drain SD system from JDR Enterprises of Alpharetta, GA provides a simple solution to complex drainage problems on athletic fields, golf courses and landscapes.

J-Drain SD is installed easily in narrow trenches without significantly disrupting playing areas.

In many cases, the playing area can be returned to use the same day.

Circle No. 203 on Reader Inquiry Card

Seed varieties ready for the new season

Pennington Enterprises, Inc. of Madi-

son, GA reminds distributors and turf managers of the availability of a variety of seed products.



Finelawn 5GL is an improved variety turf-type tall fescue that has ranked highly in national turf tests. It has increased drought and frost tolerance, low growing characteristics and

excellent shade performance.

Flyer is an improved variety of creeping red fescue. Pennington says it adapts particularly well in medium to heavily shaded areas, and produces an attractive, dense, fine textured, dark green turf.

Triad is a mix of "top rated" turf-type tall fescue combined to give you the greatest attributes from each individual grass. Pennington describes Triad as a dense, fine-textured turf that grows well in varied sunlight and growing conditions.

Circle No. 204 on Reader Inquiry Card

Sod cutter switch means improved unit

Turfcro Manufacturing, Inc. has introduced the Pro sod cutter to replace the Bantam model.

Improvements have been added to the new unit, including single lever operation. The lever places and locks the cutting blade into operating position. Replaceable rubber tires on the traction wheels make it unnecessary to purchase the whole wheel.

Turfcro says the Pro can cut sod in

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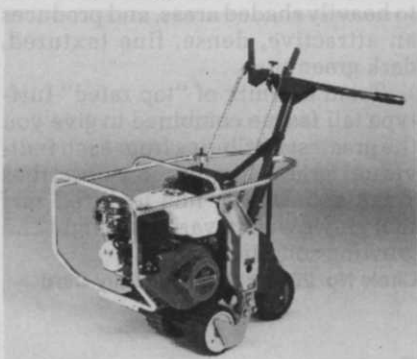
Specialty Products Group
Box 4913, Kansas City, MO 64120

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Circle No. 121 on Reader Inquiry Card

widths from 12-18 inches. 95 percent of the Pro's weight is on the drive wheels, so cutting sod is possible under most adverse conditions.

The unit is available with either an 8 hp Briggs & Stratton I/C or

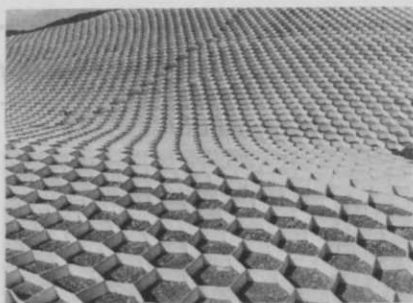


Honda engine.

Circle No. 205 on Reader Inquiry Card

Erosion control matrix for heavy duty spots

Akzo Industrial Systems Company of Asheville, NC makes the Armater Geomatrix, a semi-rigid, non-woven polyester fabric designed to provide erosion protection in areas where vegetation is scarce.



When the honeycombs are filled with native soils, sand, gravel or aggregate, the geomatrix acts like a heavy blanket that covers and protects the erosion prone area.

Akzo says the matrix is flexible enough to conform to the terrain. Expanded cells are four inches deep with eight-inch sides to cover a wide area and require minimal labor to install.

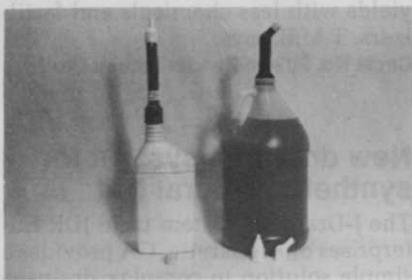
Circle No. 206 on Reader Inquiry Card

Pouring device means to eliminate spills

The Multi-Spout from KK Motorcycle Supply of Dayton, Ohio was invented to reduce spills and do away with messy funnel-filling.

Multi-Spout fits over the mouth of bottles, jugs and other containers so that liquid may be poured into hard-to-reach places like mowers, snow blowers, trimmers or golf carts.

A small opening adaptor tip allows for pouring into small spaces. The spouts are durable and flexible.



Circle No. 207 on Reader Inquiry Card

Mower deck lifts to clear obstacles

Ford New Holland's New CM224 and CM227 diesel-powered commercial mowers feature decks that flip up.

For easy-access cleaning or maintenance, the deck flips up to a full upright position without tools.

When in use, the deck raises higher



to clear curbs and for easier ramping onto trucks or trailers.

Circle No. 208 on Reader Inquiry Card

Hazardous Chemical Storage Buildings

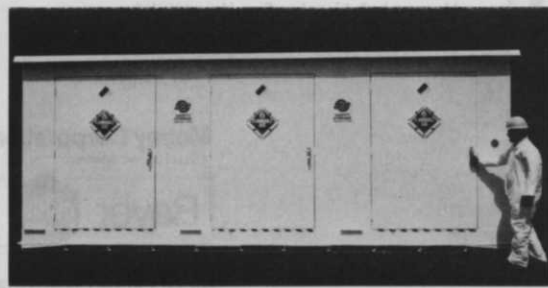


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The model 22 Building (22' x 9' x 8') holds up to forty 55 gallon drums with maximum storage capacity of 10 tons. Smaller models are available in 15', 10', 8', and 6' sizes. One year warranty.



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fective in temperatures as low as 30° F. New technology affords increased resistance to leaching, meaning that lower application rates are needed.

"This new formulation is an easier and more economical method of ensuring strong, healthy turf," says

Mark E. Broxon, marketing manager. "And substantial savings are realized in both product and application labor costs."

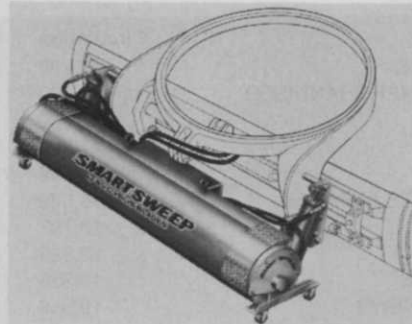
Hydraflo is also manufactured in a granular form.

Circle No. 209 on Reader Inquiry Card

Broom unit saves time for roadside manager

A grader-mounted rotary broom called Smart Sweep is available from Bucyrus Blades.

The broom eliminates the need for expensive, tow-behind or indepen-



dent road-sweeping units, according to Ron Robertson, product manager

The unit can be mounted on virtually any grader in use today, says Robertson, and enables one operator to blade and sweep in one pass.

The unit can be installed in 15 minutes, and comes in eight- and 10-foot lengths.

"The Smart Sweep broom is particularly useful in routine pulling-the-shoulder activities," says Robertson, "but also serves in new surface construction and even snow and/or gravel removal."

Circle No. 210 on Reader Inquiry Card

New way to repair damaged PVC piping

The Leister Ghibli uses hot air at very precise temperatures to weld, bend or shape all kinds of plastic.

Temperatures are electronically adjustable between 20° centigrade and 650° centigrade to accommodate a variety of other uses such as removing



paint, de-icing, soldering, desoldering and drying.

The Leister Ghibli is double insulated and comes in 110V and 220V. The right temperature is reached in three minutes and remains constant despite the type of nozzle being used, fluctuation in voltage or changes in airflow.

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Broad spectrum control with tree, shrub insecticide

Pageant DF from DowElanco is a new product specially formulated for tree and shrub care.

Broad spectrum control over nearly every insect pest found in trees and shrubs. A dry flowable formulation of spherical granules reduce dust. Pageant DF contains no solvents, so there's less chance of phytotoxicity.

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