# lm reports

### continued from page 58 PERMA-SCAPE 800/635-8379

### www.fiskars.com

Made from at least 80% recycled tire rubber and pressed into circular mats, Fiskars Perma-



Scape Tree Rings form a protective decoration for trees and shrubs. Rings look like wooden mulch chips, yet are durable and last up to 10 years. They come in 20-, 24- and 30-in. diameter sizes and are priced at \$15,

\$17 and \$25 respectively. Largest model has six preformed cut-out holes that allow staff to modify and plant flowers to meet landscaping needs. Company is located in Middleton, WI. Circle #292

### PLANT HEALTH CARE 800/421-9051

### www.planthealthcare.com

MycorTree Injectable with Colonize is a VAM mycorrhizal fungi stimulant for soil injection treatment of most tree and shrub species. Plant Health Care, Inc., Pittsburgh, PA, says the product allows fungi to colonize plant roots to help their hosts extract water and nutrients from the soil, improve resistance to certain soil-borne diseases, reduce absorption of soil toxins and extend the root system's life. Company also has other inoculants available for trees, shrubs and flowers. **Circle #293** 

### REDMAX 800/291-8251

### www.redmax.com

If you believe weight makes a difference to people working in trees, check out America's lightest commercial chain saw. RedMax, Norcross, GA,

puts the unit's weight at 6.4 lbs. It's powered by a 25.4cc 2-cycle engine and features a dual-activated inertia chain brake and dust-free intake system, Oregon chain and 12-in. bar and climbing ring. Circle #294

### REEMAY 800/321-6271

### www.reemay.com

Reemay, Inc.'s Typar TreeCircle is a 35-in. diameter landscape fabric circle that keeps most roots out without inhibiting air, water and nutrients. The company says you won't have to use chemicals or perform hand-weeding for years after installing it. Circle #295

### ROOTS, INC. 800/342-6173

### www.rootsinc.com

New Transplant 1-Step from Roots, Inc., New Haven, CT, is available in a 4-oz. foil pack. Packed 65 in a 4-gal. pail, it contains 17 species of mycorrhiza, plus water-holding gels to give each planting the best chance to survive. In addition, the company's mycorrhizaROOTS, available as a biostimulant that works well in deep root feeding of trees and shrubs, now has 17 species of mycorrhiza in it. Each 16-oz. bag provides a broad spectrum application of mycorrhiza for increased nutrient uptake, enhanced root systems and plant stress management. **Circle #296** 

### STIHL 800/467-8445

### www.stihlusa.com

A whole series of 19 hand-held cutting tools crafted for the professional is available from Stihl, Virginia Beach, VA. The line includes five pruning saws, three pole pruners, three loppers, one hedge sheer, four pruners and three axes. Saws come in sizes from 6 to 13 in. All offer blades that can be sharpened or replaced, strong lightweight handles, comfortable grips and computer-designed cutting teeth or blades. Pole pruners offer adjustable pole length, bark cutter and hook. **Circle #297** 

### TREE STAPLE 877/873-3749

### www.treestapleinc.com

Tree Staple of Berkley Heights, NJ, says its below-grade tree and shrub stabilization system is safer, stronger and more cost effective than stake and wire. It's also more aesthetically pleasing since it's below ground. The company claims that it takes one man with one sledgehammer two minutes to pound the stake into the rootball of the tree to stabilize it. Circle #298

### TREE TOAD 800/479-3099

### www.treetoad.com

Transplant a tree in three minutes with the Tree Toad, made in Long Lake, MN. Available in 20-, 24- and 32-in. trailer models and 20-, 24- and 32-in. 3-pt. hitch versions, it's made for smaller trees up to three in. in diameter. Unit's spades tap around the tree, jack the tree and root ball out, and allow it to be moved to a new location. The 32-in. model makes a 32-in. ball 21 in. deep. All are made of 3/16-in. CorTen low-alloy steel. **Circle #299** 

### VALENT 800/898-2536

### www.valentpro.com

Control glassy-winged sharpshooter on omamental plants, shrubs, trees and non-bearing fruit trees with Tame 2.4 EC spray from Valent, Walnut Creek, CA. This insecticide/miticide has a 2(ee) recommendation in California where it was approved to keep glassy-winged sharpshooters from migrating from trees to grapes. It is labeled for application at 10.66 fl. oz. per 100 gallons. **Circle #300** 

### VERMEER 888/837-6337

### www.vermeer.com

Designed for large volume wood and yard waste disposal, the TG800 tub grinder from Vermeer, Pella, IA, delivers 800 hp into a gearreduction, transmission-driven hammermill. The Cat 3412E is an electronic, fuel-injected, twin turbo-charged aftercooled engine. At 11 ft., tub has largest inside diameter in the industry, with a top flare of 13.6 ft. Belly conveyor, a 60in. belt, operates at 744 ft. per minute. Debris exclusion shroud diverts spillage away from the machine.

Circle #301

# Artful way to inlay

This landscape contractor combines art and technology to produce great looking patios

### BY YOGITA SHARMA



ohnston's Nursery has been in the landscape design and maintenance business since 1928. Yet the task of building a paved patio with an inlay elk head 16 feet by 20 feet proved to be a challenge for owner Corey Johnston Wise, who not only accomplished this task but

also seems to have devised a new inlay technique in the process.

### Art in the woods

In the spring of 1999, Wise was assigned the task of installing two patios for a customer who owns a cedar-log house in the forest of northwestern Pennsylvania. Nestled in a 30-acre woodland at the base of a steep hill, this house has a large A-frame room at its center. The front and rear windows of this room overlook the two patios on either side of the house.

The customer wanted to keep with the



natural ambience of the log cabin, so Wise presented the idea of creating an elk head silhouette on the lower patio. As work progressed, Johnston's artist created silhouettes of a herd of running deer and a howling wolf for the second patio as well.

### **Getting to work**

For Wise, who had been working with colored pavers for years, this was a large project that offered him an opportunity to do



"something really innovative with color inlay." To create the silhouette, Wise used contrasting

colors of Stratford concrete pavers, manufactured by R. I. Lampus Co. of Springdale, PA, using Bayer Corporation's Bayferrox synthetic iron oxide pigments. Charcoal tone pavers were chosen for the elk head inlay to provide a sharp contrast to the desert blend pavers used for the background.

The elk head patio was dry-laid and took around two weeks to complete. First, a firm patio base was built by placing geotextile over the subsoil, which was then covered with six to eight inches of com-

Wise's elk head design looks painted or etched onto the pavers because the joints are so tight.

pacted aggregates. A one-inch layer of sifted sand was laid over the aggregates before placing three different lengths of interlocking pavers over the entire patio to create a cobblestone effect.

The most cumbersome aspect of the installation was the drawing and cutting of the elk head, which took four days. A computer-generated silhouette was traced onto the patio using a black permanent marker, and then each desert blend paver crossed by the outline was removed and cut using a diamond blade saw. To create the inset section, a corresponding charcoal paver was cut and placed along the outline. The rest of the pavers were later installed in the interior of the silhouette.

The result was an inlay that looks painted or etched onto the pavers. "The joints are so tight," says Wise, "that people can't believe its an inlay."

The second patio was laid using the same technique. Both patios provide durable and low maintenance pavement that adds to the aesthetic appeal of the house.

The artful elk head patio won second place for concrete pavers in a residential setting at the ICPI National Competition in 2000.

For more information on this technique, contact Johnston's Nursery, Penfield, PA at 814/765-9081 or westwood@penn.com.

### COMPANY PROFILE:

Name: Johnston's Nursery Owner: Corey Wise Johnston 2000 revenue: \$1 million Full-time employees: 12 Customer mix: 100% residential Service mix: 70% design/build, 30% hortiscaping W STILL CAles **Professional Grounds** Management Society

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ask the expert

BY BALAKRISHNA RAO

Kudzu guandary

manage it?

We're having problems managing

Brushmaster herbicide safely to

Kudzu weed. Can we use PBI-Gordon

Kudzu is a severe weed pest in many parts

of the southeast. Transline, a selective her-

bicide by Dow AgroSciences containing

clopyralid, can be applied if the Kudzu is

species. Check the supplemental label for examples of tolerant species before apply-

ing. Only plants that have emerged at the

time of application will be affected and

some needle/leaf curling of the desirable

species may occur if applied during active

tree growth. Another selective herbicide,

Brushmaster by PBI-Gordon, can be used

where desirable sensitive plants are not in-

growing over desirable, tolerant tree

- NC

volved. Brushmaster is a low-volatile ester formulation containing 2,4-D, 2,4D-P and Dicamba. Low-volatile ester formulations can volatilize, particularly under high heat conditions, so be careful when treating an area around desirable broadleaf plants. Herbicide applications are most effective between late June and early October, as long as the Kudzu are actively growing and not under drought stress. The ideal application time is just prior to or during flowering. Always read and follow label specifications for best results.

Railroaded by weeds

We're interested in controlling vegetation near a railroad right-of-way for hiking trail clearance. What would be the best way to control all weeds?

Some of the area is gravel. We want to use chemicals that won't leach but will provide good control.

- OH

In your situation, you may be dealing with both grassy and broadleaf weeds. Your best option to manage a wide variety of existing weeds, as well as future weed growth, is to use a combination of postemergent and preemergent herbicides. Consider using a combination of herbicides such as Roundup and Surflan, or Roundup and Karmex.

Before applying, be sure that you or the person doing the application have the proper right-of-way vegetation management license to apply herbicides near specific sites being managed.

Roundup is a non-selective herbicide, which means it will discolor and kill any green vegetation. Therefore, use caution while applying. Depending on the vegetation type, the spray mix concentration will vary.

If the weeds present a problem in certain areas, consider spot treating with herbicides such as Roundup, Finale or Scythe.

## Jumpin' junipers!

What might be responsible for the browning of juniper plant tips? On some plants we have found that .25- to .5-in. long tips are damaged and brown.

- PA

Based on your description, the problem is most likely caused by the juniper tip midge (Oligotropbus betbelí). Adults are a small

(1/8-in. long), grayish, mosquito-like fly. This is a true native fly. The larvae are 3/16-in. long maggots which mine inside needles and cause small galls. Several generations can be produced during the growing season. It then overwinters in the terminal tip galls.

When making a diagnosis, look for .25to .5-in. long terminal buds on the outer foliage. Gently break open the tips and examine for evidence of mining and possibly the presence of reddish insects (maggots). They may also be in the pupal stage. Throughout the winter months, larvae can be found in tip galls. These galls are formed as a result of midge maggots mining in several needles at the bud tips. These galls are about the size of normal buds. Galls will remain green until the larvae begin to mature, then turn red and eventually become brown.

If it isn't severe, selectively prune infested tips and discard during dormant season. In heavy infestations, consider treating with insecticides such as Acephate or Dimethoate. Treat around mid-May and again around mid-June, early August and mid-September as needed.

If the problem is due to fungal blights such as juniper tip blight (caused by Phomopsis sp.) or Kabatina blight (caused by Kabatina sp.), larger portions of the tissue will be discolored and, as the disease progresses, fungal fruiting bodies will be found upon incubation in

labs. Accordingly, treatment can be provided to manage these. Read and follow label specifications for best results.

Manager of Research and Technical Development for the Davey Tree Expert Co., Kent, Ohio SEND YOUR QUESTIONS TO: "Ask the Expert" Landscape Management; 7500 Old Oak Blvd.; Cleveland, OH 44130, or email: sgibson@advanstar.com. Please allow two to three months for an answer to appear.

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# products

### **Tight walkin'**

Sutech says its Stealth mower, a 33-in. walk-behind, is lightweight and maneuverable and can get into tight areas and trim around anything. The deck is made of 11 gauge fabricated steel, and mower has mulching and cutting capabilities. Other features include zero-turn radius and three forward ground speeds.

For more information contact Sutech at 888/536-8368 or visit www.sutechusa.com / circle no. 250

### Strength with support

Tree-Mate-O permits a newly planted tree to achieve proper development. It was made to encourage greater caliber and guicker root strength. When it is attached to a single "T" or "U" post, a torsion bar effect improves the post's ground gripping action. Tree-Mate-O is for all types of trees up to 2 in. in diameter. For more information contact T-Mate-O at 812/256-1069 or visit

www.treesupports.com / circle no. 251

### Fun in the sun

Irritrol Systems' SPC-2 converter allows the company's battery-operated IBOC Plus Series hybrid controllers to run on solar power. It can be mounted either on top of the controller or up to 1,000 feet away, and contains a threevear, maintenance-free gel cell battery. For more information contact Irritrol at 909/785-3625 / circle no. 252

### **Brush it away**

Geo-Boy's brush cutter tractor, featuring a Cummins diesel engine and Seppi cutter heads, is designed for clearing brush and small trees in





difficult locations. It's available in standard and heavy duty models.

For more information contact Geo-Boy at 800/436-2691 or visit www.geo-boy.com / circle no. 254

### Rad rake



mounted on a steel noise, vibrations and maintenance.

For more information contact Billy Goat at 816/524-9666 or visit

www.billygoat.com / circle no. 255

### **Process this**

Vandermolen Corp.'s 20Q14E is the newest member of the company's All Vegetation Processor line. It's powered by a 14- or 16-hp Vanguard engine and can process four- to fivein. fully dressed branches. A two-in. ball hitch makes it easy to tow.

For more information contact Vandermolen at 973/992-8506 or visit www.vandermolencorp.com / circle no. 256

### Split 'em up

Foster Manufacturing Corp.'s Model FLS-550-HV commercial series log splitter can be used in

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### **Precise coring**

Textron says its Rvan Lawnaire 28 aerator offers the precision technology of golf course aerators in a machine designed for professional lawn care. The reciprocating, crankshaft-mounted tines produce precise vertical coring. With zeroturn radius maneuverability, the Lawnaire 28 has a 28-in. aerating width and covers up to 24,000 sq. ft. per hour.

For more information contact Textron at 888/922-8873 or visit www.textronturf.com/ circle no. 253

either a horizontal or vertical position. It has a Honda GX-160 5.5-hp engine and can handle logs up to 26 in. long. The splitter also contains a 1-7/8-in, ball coupler hitch.

For more information contact Foster at 262/633-7073 or visit www.fostermfgcorp.com/ circle no. 257

### **Collect** 'em up

The ODB Co.'s Metro is a belt-driven vacuum leaf collector with a rear loading unit and hydraulic hose boom. It features a John Deere Model 4020D 4-cylinder water-cooled diesel engine and 14-in. x 120-in. wire reinforced urethane suction hose.

For more information contact ODB at 800/446-9823 or visit www.theodbco.com / circle no. 258

### **Capable cart**

Bachtold Bros.' commercial duty cart wagon has the ability to hold 400 lbs. and up to 5 cu. ft. of material. It has a 14 gauge stainless steel

body, angled front and 20-in, nickel-plated wheels. For extra heavy hauling, the handle of the cart converts to a wagon tongue so it can be pulled along by a tractor or riding mower.



For more information contact Bachtold Bros. at 217/784-5161 or visit www.bachtoldbros.com / circle no. 259

# products

### Light up the night

Sculpturite lighting by Pinecrest can be mixed and matched to suit your tastes. Many of Pinecrest's lighting posts are triangular in configuration. Each design is first carved into hardwood, then used to form the sand molds into which aluminum is cast.

For more information contact Pinecrest at 800/443-5357 or visit www.pinecrestinc.com / circle no. 260

### Floodlight fun

RAB Electric Manufacturing's "H101" is a landscape floodlight with a bell design made for easier relamping and glare reduction. The new floodlight has durable one-piece die cast construction with rugged mounting arm. It accepts 150 watt PAR 38 lamp maximum. The fixture also has a large silicone gasket to provide weatherproof protection around the lamp and socket. **For more information contact RAB Electric Manufacturing at** 201/784-8600 / circle no. 261

### Keep tools neat

Intromark Incorporated introduces Tool Hugger, a new tool holding clamp that is mounted and used to hang anything from tools to sports

### Feed me

Bandit Industries' Auto Feed Plus chipper is digital and has a control device that starts, stops and reverses a unit's feed system. The reverse feature eliminates the potential for burning and dulling



knives and is infinitely adjustable from a millisecond up to 65 seconds. For more information contact Bandit at 800/952-0178 or visit www.banditchippers.com / circle no. 262

equipment. It is constructed of zinc coated steel, flexible steel cables encased in rubber, and can hold objects weighing up to 50 lbs. For more information contact Intromark Inc. at 800/851-6030 / circle no. 263

continued on page 68

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Circle 133

# products

continued from page 67

### Get a grip

Bahco Tools has come up with the PX and PXR ergonomic hand pruners. Key benefits of these pruners are less fatigue and a more productive working life. There is a choice of cutting heads that allows the user to adapt pruner to the diameter of plant material being pruned.

For more information contact Bahco Tools at 800/387-8295 or visit www.bahco.com / circle no. 264

### **Hedge hacker**

Stihl's HL 73 is an extended-length hedge trimmer with an adjustable

angle cutting head that maneuvers from 0 to 90 degrees. The HL 73 can also convert into a broom or power scythe with additional interchangeable attachments. The trimmer is built with a stratified charge engine and a solid shaft drive that transfers more power from the engine to the cutting head.

For more information contact Stihl at 800/467-8445 or visit

www.stihlusa.com / circle no. 265

### No tearing here

Vermeer Manufacturing Co. claims its SC50TX stump cutter doesn't tear up the ground as it goes. It has a 50-hp Caterpillar 3024 diesel engine that allows it to travel from 18 to 110 ft. per minute. Also, it can cut 17 in. deep and 70 in. wide. For more information contact Vermeer at 888/837-6337 or visit www.vermeer.com / circle no. 266

### **Curtain call**

Rain Cane is a sprayer that sprays a high volume curtain of water for more gentle and accurate watering of flower beds, seedlings and flats. The company claims users will have less wrist soreness and frustration when using Rain Cane. Watering wands are available in 18-in., 9-in., heavy foliage and hanging basket sizes.

For more information contact Rain Cane at 970/495-0389 or visit

www.raincane.com / circle no. 267

### The reel deal

The Hannay GHAT1200 reel, made by Hannay Reels is engineered for portable use in grounds maintenance and features a permanent direct crank rewind. It operates at pressures to 1000 psi and temperatures from -80°F to +185°F. For more information contact 877/467-3357 or visit www.hannay.com / circle no. 268

### **Time to excavate**

Caterpillar's 320C L utility hydraulic excavator is ideal for use in urban construction areas and other space-restricted sites. The 320C L has net power of 138 hp produced by a Cat 3066 turbocharged, six-cylinder diesel engine. It also has the advantage of a smaller swing radius. Features include automatic boom and swing priority functions. For more information contact Caterpillar at www.cat.com / circle no. 269

continued on page 71



### **Retaining beauty**

Versa-Lok's Cobble retaining wall system undergoes a special manufacturing process to achieve an aged look that closely resembles old-world cobblestone. The company claims that it is ideal for landscaping projects such as retaining walls, planters, and elevated patios. The Cobble units are 6 in. high, 8 in. wide and are easily assembled without mortar.

For more information contact Versa-Lok at 800/770-4525 / circle no. 270



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LANDSCAPING/GROUNDS CARE FACILITIES 05 290 Sports Complexes 06 295 Parks 07 305 Schools, Colleges & Universities 0 Other Grounds Care Facilities (specify)		58         Yes         59         No           4b. If yes, indicate which products you buy or specify: (IiII in ALL that apply)         32         1 Aurators         39         8 Herblicides         46         15 Sweepers           33         2 Blowers         40         9 Insecticides         47         16 Traitors           34         3 Chain Saws         41         10 Line Trimmers         48         17 Truck Traiters/Attachment	ts			
SUPPLIERS AND CONSULTANTS 08 355 Extension Agents/Consultants for Horticulture 09 360 Sod Growers, Turf Sted Growers & Nurseries 10 365 Dealers, Distributors, Formulators & Brokers 11 370 Manufacturers 0 Other (please specify)		35     4 Chipper-Shredders     42     11 Movers     49     18 trucks       36     5 De-loars     43     12 Snow Removal Equipment     50     19 Turfsed       37     6 Fertilizers     44     13 Sprayers     51     20 Utility Vehicles       38     7 Fungicides     45     14 Spraders     51     20 Utility Vehicles       58     5 you have Internet access?     52     A Yes     53     B No       5A. If so, how often do you use It?				
2. Which of the following best describes your title? (Itil in 0)     12 010 Executive/Administrator - President, Owner, Partner     Board, Purchasing Agent, Director of Physical Plant     13 20 Manager/Seperintendient - Arborist, Architect, Lande     Foreman, Supervisor     14 30 Government Official - Government Commissioner, A     15 40 Specialist - Forester, Consultant, Agronomist, Pilot,     Certified Specialist     16 50 Other Titled and Non-Titled Personnel (please speci	, Director, General Manager, Chairman of the scape/Grounds Manager, Superintendent, gent, Other Government Official Instructor, Researcher, Horticulturist,	54 (A Dally)         55 (B Waekly)         56 (C Monthly)         57 (D Occasionally)           101         113         125         137         149         161         173         185         197         209         221         233         245         257         269         281         293         305           102         114         126         138         160         162         174         186         198         210         222         234         246         258         270         282         294         306           103         115         127         139         151         163         175         187         199         211         223         235         247         259         271         283         295         307           104         116         128         140         152         164         176         188         200         212         224         236         248         260         272         284         296         306           105         117         129         141         153         165         177         189         201         213         225         237         249         261	16 17 18 19 0 1			
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