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AGCO CORP. 770/813-9200

www.agcocorp.com

The ST compact tractor series from AGCO, Atlanta, GA, consists of six 4-wheel drive units ranging from 24 to 44 hp. Four large units (30.3 to 44.2 hp) come with 16-speed transmissions.

Circle #257



BELARUS 414/355-2000

The Eicher 364 is a 39-hp utility tractor with air-cooled diesel engine, three-point hitch with draft/position control, and a lift capacity of 2,213 lbs. **Circle #258**

BOBCAT 701/241-8740

infocenter@bobcat.com

New for 2001 is the T190 compact track loader from Bobcat, West Fargo, ND. It's rated at 1,900 lbs. and is only 66 in. wide. Circle #259

ALLMAND BROS. 800/562-1373 www.allmand.com

The new Allmand TLB-220 compact tractor loader is 3,115 lbs. and features a Robin EH65D aircooled gasoline engine generating 20.5 hp at 3,600 rpm. **Circle #260**

ASV

800/346-5954 www.asvi.com

The RC-30 all-surface loader from All Season Vehicles, Inc., Grand Rapids, MN, is just under 4-ft. wide and 6-ft. tall on its rubber tracks. **Circle #261**

CATERPILLAR

www.cat.com

The new Caterpillar 416D backhoe loader features 74 net hp and 14-ft., 5-in. of backhoe digging depth with standard stick and 18ft., 1-in. with extendible stick. Bucket rotates 205 degrees. **Circle #262**

JOHN DEERE 800/537-8233

www.deere.com

The John Deere 5320 has a 45-hp, three-cylinder diesel engine and comes with either four-wheel drive or MFWD capability. Transmission has nine forward and *continued on page 54* Bobcat T190 compact track loader



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- Digging force
- Breakout force
- Attachment options

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continued from page 52 three reverse speeds. Circle #263

NEW HOLLAND 717/355-1121

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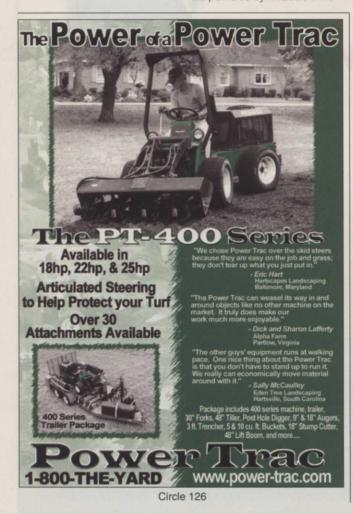
Nine models in the Boomer line from New Holland, New Holland, PA, can be equipped with a model 7106 or 7308 front loader. Units come with a 540rpm rear PTO and a live 2000rpm mid-PTO. **Circle #264** KUBOTA TRACTOR

888/458-2682 www.kubota.com

The 24-hp two-range transmission B2410, 27-hp three-range B2710 and 30-hp three-range B2910 from Kubota Tractor, Torrance, CA, are the top of the company's line. All have a Kubota E-TVSC diesel. **Circle #265**

LONG AGRIBUSINESS 252/823-4151

The LandTrac 280 and 360 from Long Agribusiness, Tarboro, NC, are powered by Mitsubishi indi-





rect injection diesel engines. The 280 is a 28-hp, 91.5-cu. in. unit with 27 PTO hp at 2600 rpm. **Circle #266**

MTD PRODUCTS 330/225-2600

www.cubcadet.com

The 7360SS Cub Cadet compact tractor from MTD, Cleveland, OH, has a 36-hp, four-cylinder, liquid-cooled diesel engine; differential lock and four-wheel drive; and hydrostatic power steering.

Circle #267

POWER TRAC 800/THE-YARD

www.power-trac.com

The PT1430 tractor from Power-Trac, Tazewell, VA, has a 30-hp Deutz diesel engine. It articulates plus/minus 45 degrees and oscillates 12 degrees in each direction.

Circle #268

SCHAEFF 214/357-8300 www.schaeff.com

Its Dallas, TX division distributes the SCL 515 compact loader

Read wilandscapemanagement.net

from Langenburg, Germanybased Schaeff. It's powered by a Deutz F41 50-hp engine with air/oil cooling system. **Circle #269**

TORO CO. 800/525-0059 www.toro.com

The Z Master series from Toro, Bloomington, MN, is based on a tractor powered by either a 20hp or 25-hp Kohler Command Pro air-cooled engine with electronic key ignition. **Circle #270**

YANMAR 800/550-9530

The 36.5 hp V4-5 wheel loader from Yanmar Diesel America, Buffalo Grove, IL, has lift capacities of 4,134 lbs. (full lift) and 6,945 lbs. (low lift) in its 0.65-cu. yd. bucket. Two-mode control lets operator select fully automatic or fixed-speed mode. **Circle #271**

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ask the expert

BY BALAKRISHNA RAO

Satin moths

What are satin moths? Please explain biology and management options. — TORONTO, CANADA

The satin moth (*Leucoma salicis*) is an introduced pest. Its larvae are about 1½ to 2 in. long, black with a line

of yellow or white spots on the back and reddish brown tubercles with hairs on each segment. The larvae are active during April and May, feeding on pole-sized Populus in natural strands and plantations in New England and southeastern Canada, and also in Washington and Oregon.

Adult moths are satiny white and appear in June and August. Females can lay up to 1,000 eggs in clusters on twigs, trunks or leaves in June and July. Larvae appear in August and feed on leaves until it gets cold. They overwinter as small larvae that become active when it gets warm.

Like gypsy moths, satin moths pupate around May in cocoons on trees. Adults emerge in June.

Treatment is not necessary, but if defoliation is severe, consider applying Bt (*Bacillus thuringiensis*) in spring. Products like Dipel or ForayBt work well.

Dying spruces

We planted many spruce trees in June 2000. Last winter, needles turned pale, and a few turned brown. What's the problem?

— MI

Based on your description, I'd say the problem is transplant shock. Digging and trans-

planting causes trees to lose large amounts of functional absorbing roots, which causes water and nutrient uptake problems. This is further aggravated by too much or too little moisture, including flooding and/or drought. The roots are the mechanical pumps, and if they're broken or diseased, they become dysfunctional. This disruption and imbalance in water uptake leads to the drying out of plant tissues. This can be further aggravated by wind and excessive evapotranspiration from exposed plant parts, particularly in evergreens when the ground is frozen. And beware - plants may look green for a period of time only because they're using their reserve water and nutrients.

Consider the possibility of girdling at the base of the stem. Mechanical girdling from nylon or wire left during planting can disrupt moisture and nutrient uptake. Examine the roots for decay from root rot fungal disease.

Guard against overfertilizing these plants, particularly with a water-soluble source of quick-release fertilizer. Improper fertilization with high salt index can burn absorbing roots. Also, don't mulch too close to the trunk as it can cause rodent feeding activity. Provide proper watering, mulching, fertilizing and pest management as needed to improve plant health.

Annual grassy weed management

In the past, we've used Surflan to manage annual grassy weeds. In some situations, we've had poor results. What do you think we might be doing wrong? — OH

From your question, it isn't clear whether you used Surflan as a pre-emergent (before

the grassy weeds emerged) or as a postemergent (after the weeds emerged) herbicide. Surflan is a selective pre-emergent herbicide that controls annual grasses and several broadleaf weeds. It doesn't work as a post-emergent herbicide.

If you've used Surflan as a pre-emergent herbicide and experienced variable results, the following explanation might be helpful. Make sure you're following sound procedures when tank mixing. Follow the label guidelines while mixing Surflan alone or in combination with other materials. It's important to have agitation all through mixing as well as spraying. Without proper agitation, Surflan may settle to the bottom of the sprayer tank, which could contribute to poor results. Surflan doesn't have to be incorporated, but water in within 21 days with 1/2 to 1 in. of water.

Oxalis, violets everywhere

Many of our residential and commercial lawns have oxalis (wood sorrel) and violets (Viola sp.). How should we manage this problem?

- OH

Application of an herbicide such as Turflon II Amine should help. Provide two applications of this herbicide four to six weeks apart. Delay watering for 24 hours and seeding for three weeks. If the area was recently seeded, wait until it has been mowed two

has been mowed two to three times before treating.

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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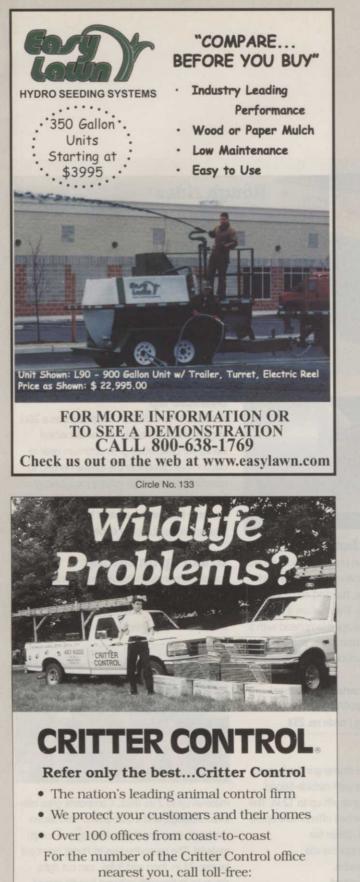
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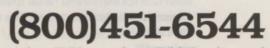
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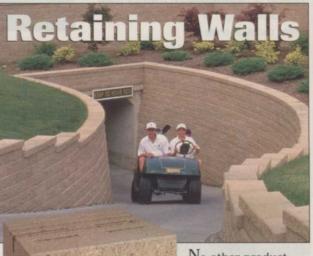
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Rough rider

The John Deere Worksite Gator's mig-welded unibody construction and independent, single A-arm design make it ideal for off-road work. Other features include a three-cylinder, 18 hp, liquid-cooled Yanmar diesel engine, 1,400 lbs. of payload capacity and an additional towing capacity of 1,400 lbs. For more information contact John Deere Inquiry Department, P.O. Box 12217, Research Triangle

Park, NC 27709 or www.johndeere.com / circle no. 252

Cut and clean

RedMax says the 25.4cc stato-charged twocycle engine that powers the HEZ2500S edger is the only engine of its size that meets CARB II and EPA clean air standards without a catalytic converter. An adjustable wheel holds the blade at the desired height. A "J" handle lets you control the blade angle.

For more information contact RedMax at 800/291-8251 ext. 213 or <u>www.redmax.com</u> / circle no. 250

Break some ground

V & B Manufacturing's 15 Groundbreakers landscaping tools can handle rugged earth moving to fine finished ground grooming due to their multi-purpose tool heads and range of



handle sizes — 16, 26 and 36 in. Corrosionresistant ductile iron tool heads are fitted rectangularly to the handles to prevent loosening.

For more information contact V & B Manufacturing Co. at 800/443-1987 or www.vbmfg.com / circle no. 251

60



Light up your landscape

Architectural Landscape Lighting's Focca accent and floodlighting luminaires accentuate landscape features, signage, building entryways, gardens and pathways. They feature a streamlined, low scale, cone-shaped lamphead with a large format lens and attachable, angled visorglare shield. Options include visors, louvers and colored lenses.

For more information contact Architectural Landscape Lighting at 800/854-8277 or www.alllighting.com / circle no. 253

Stumped?

Blue Bird International's stump grinder features a 14-in. diameter blade with carbide-tipped teeth that offers cutting depth up to 12 in. The HiPower Double V drive belt offers more operator stability and control. Other features include an ergonomic handle and user-friendly lift handles. For more information contact Blue Bird at 303/288-5880 or www.bluebirdintl.com / circle no. 254

Muscle up

Kawasaki's new KEL26A edger features a 26cc engine, weighted blade and wider wheel stance for clean edging. Its optimum gear reduction ratio produces the torque needed to muscle through tough edging jobs. It weighs 11 lbs. and a loop-style handle adds comfort. For more information contact Kawasaki at www.kawasaki.com / circle no. 255

Brush up on cutting

Lowell Corporation's Porter-Ferguson line of brush cutters includes a 27 in. long, 4 5/8-lb. cutter with 1 1/2-in. cutting capacity, and one that's 34 in. long, weighs 7 3/4 lbs. and cuts



material up to 2 in. thick. Composite grips minimize slippage, and a slide power shift allows worker to exert maximum leverage on tough material. The company says its Porter point cut pruner, 24 in. long and 3 lbs., can cut right down to its tips with minimal handle spread. For more information contact Lowell Corp. at 800/456-9355 or www.lowellcorp.com / circle no. 256