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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.
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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.
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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 air-cooled gasoline engine generating 20.5 hp at 3,600 rpm.
Circle #260

ASV
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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.
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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 18-ft., 1-in. with extendible stick. Bucket rotates 205 degrees.
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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

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- Lift capacity
- Digging force
- Breakout force
- Attachment options
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continued from page 52

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sion B2410, 27-hp three-range
B2710 and 30-hp three-range
B2910 from Kubota Tractor, Tor-

rance, CA, are the top of the
company's line. All have a Kub-

ota E-TVSC diesel.

Circle #265

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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
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www.cubcadet.com
The 7360SS Cub Cadet compact
tractor from MTD, Cleveland,
OH, has a 36-hp, four-cylinder,
liquid-cooled diesel engine; dif-

ferential lock and four-wheel
drive; and hydrostatic power
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Circle #267

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800/550-9530
www.power-trac.com
The PT1430 tractor from Power-
Trac, Tazewell, VA, has a 30-hp
Deutz diesel engine. It articulates
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lates 12 degrees in each direc-

tion.

Circle #268

SCHAEFF
214/357-8300
www.schaeff.com
Its Dallas, TX division distributes
the SCL 515 compact loader

from Langenburg, Germany-

based Schaeff. It's powered by a
Deutz F41 50-hp engine with air/oil cooling system.

Circle #269

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www.toro.com
The Z Master series from Toro,
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tronic key ignition.

Circle #270

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6,945 lbs. (low lift) in its 0.65-cu.
yd. bucket. Two-mode control
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natic or fixed-speed mode.

Circle #271

To read more about tractors used in the landscape industry, visit our web site www.landscape-

management.net.
<table>
<thead>
<tr>
<th>NAME (please print)</th>
<th>TITLE</th>
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<tbody>
<tr>
<td>FIRM</td>
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<tr>
<td>ADDRESS*</td>
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<tr>
<td>CITY</td>
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</tbody>
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*Is this your home address?  O Yes  O No  PHONE ( )  FAX ( )

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Signature:________________________

MANAGEMENT

June 2001

This card is void after August 15, 2001

I would like to receive (continue receiving) LANDSCAPE MANAGEMENT free each month:  O Yes  O no

1. My primary business at this location is: (fill in ONE only)
   CONTRACTORS/SERVICE COMPANIES
   02 O 255 Landscape Contractors (Installation & Maintenance)
   03 O 260 Lawn Care Service Companies & Custom Chemical Applicators (ground & air)
   04 O 285 Irrigation Contractors & Consultants
   O Other Contractors/Service Companies (please specify):

   LANDSCAPING/GROUNDS CARE FACILITIES
   05 O 290 Sports Complexes
   06 O 295 Parks
   07 O 300 Schools, Colleges & Universities
   O Other Grounds Care Facilities (specify):

   SUPPLIERS AND CONSULTANTS
   08 O 355 Extension Agents/Consultants for Horticulture
   09 O 360 Seed Growers, Turf Seed Growers & Nurseries
   10 O 365 Dealers, Distributors, Formulators & Brokers
   11 O 370 Manufacturers
   O Other (please specify):

2. Which of the following best describes your title? (fill in ONE only)
   12 O 10 Executive/Administrator - President, Owner, Partner. Director, General Manager, Chairman of the Board, Purchasing Agent, Director of Physical Plant
   13 O 20 Manager/Superintendent - Arborist, Architect, Landscape/Grounds Manager, Superintendent, Foreman, Supervisor
   14 O 30 Government Official - Government Commissioner, Agent, Other Government Official
   15 O 40 Specialist - Forester, Consultant, Agronomist, Pilot, Instructor, Researcher, Horticulturist, Certified Specialist
   16 O 50 Other Titled and Non-Titled Personnel (please specify):

3. SERVICES PERFORMED (fill in ALL that apply)
   17 O A Mowing
   18 O B Turf Insect Control
   19 O C Tree Care
   20 O D Turf Aeration
   21 O E Irrigation Services
   22 O F Turf Fertilization
   23 O G Turf Disease Control
   24 O H Ornamental Care
   25 O I Landscape Design
   26 O J Turf Weed Control
   27 O K Paving, Deck & Patio Installation
   28 O L Pond/Lake Care
   29 O M Landscape Installation
   30 O N Snow Removal
   31 O O Other (please specify):

4. Do you specify, purchase or influence the selection of landscape products?
   32 O Yes  33 O no

5. Do you have Internet access?  52 O A Yes  53 O B No

6a. Do you, indicate which products you buy or specify: (fill in ALL that apply)
   34 O 1 Aerators
   35 O 2 Blowers
   36 O 3 Chain Saws
   37 O 4 Chipper-Shredders
   38 O 5 De-icers
   39 O 6 Fertilizers
   40 O 7 Fungicides
   41 O 8 Herbicides
   42 O 9 Insecticides
   43 O 10 Line Trimmers
   44 O 11 Mowers
   45 O 12 Snow Removal Equipment
   46 O 13 Sprayers
   47 O 14 Spreaders
   48 O 15 Sweepers
   49 O 16 Tractors
   50 O 17 Truck Trailers/Attachments
   51 O 18 Trucks
   52 O 19 Turf seeded
   53 O 20 Utility Vehicles

5A. If so, how often do you use it?
   54 O A Daily  55 O B Weekly  56 O C Monthly  57 O D Occasionally

5B. If you indicate which products you buy or specify: (fill in ALL that apply)

6. If so, how often do you use it?
   58 O A Daily  59 O B Weekly  60 O C Monthly  61 O D Occasionally

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   CONTRACTORS/SERVICE COMPANIES
   02 O 255 Landscape Contractors (Installation & Maintenance)
   03 O 260 Lawn Care Service Companies & Custom Chemical Applicators (ground & air)
   04 O 285 Irrigation Contractors & Consultants
   O Other Contractors/Service Companies (please specify)

LANDSCAPING/GROUNDS CARE FACILITIES
05 O 290 Sports Complexes
06 O 295 Parks
07 O 300 Schools, Colleges & Universities
   O Other Grounds Care Facilities (specify)

SUPPLIERS AND CONSULTANTS
08 O 355 Extension Agents/Consultants for Horticulture
09 O 360 Sod Growers, Turf Seed Growers & Nurseries
10 O 365 Dealers, Distributors, Formulators & Brokers
11 O 370 Manufacturers
   O Other (please specify)

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   13 O 20 Manager/Superintendent - Arborist, Architect, Landscape/Grounds Manager, Superintendent, Foreman, Supervisor
   14 O 30 Government Official - Government Commissioner, Agent, Other Government Official
   15 O 40 Specialist - Forester, Consultant, Agronomist, Pilot, Instructor, Researcher, Horticulturist, Certified Specialist
   16 O 50 Other Titled and Non-Titled Personnel (please specify)

3. SERVICES PERFORMED (fill in ALL that apply)
   17 O A Mowing
   18 O B Turf Insect Control
   19 O C Tree Care
   20 O D Turf Aeration
   21 O E Irrigation Services
   22 O F Turf Fertilization
   23 O G Turf Disease Control
   24 O H Ornamental Care
   25 O I Landscape Design
   26 O J Turf Weed Control
   27 O K Paving, Deck & Patio Installation
   28 O L Pond/Lake Care
   29 O M Landscape Installation
   30 O N Snow Removal
   31 O O Other (please specify)

4a. Do you specify, purchase or influence the selection of landscape products?
   O Yes O No
4b. If yes, indicate which products you buy or specify: (fill in ALL that apply)
   32 O A Aerators
   33 O B Blowers
   34 O C Chain Saws
   35 O D Chipper-Shredders
   36 O E Driveters
   37 O F Fertilizers
   38 O G Fungicides
   39 O H Herbicides
   40 O I Insecticides
   41 O J Line Trimmers
   42 O K Mowers
   43 O L Snow Removal Equipment
   44 O M Sprayers
   45 O N Spreaders
   46 O O Sweepers
   47 O P Tractors
   48 O Q Trailers/Attachments
   49 O R Trucks
   50 O S Turfseed
   51 O T Utility Vehicles
   52 O U Other (please specify)

5. Do you have Internet access?
   O A Yes O B No
5A. If so, how often do you use it?
   52 O A Daily
   53 O B Weekly
   54 O C Monthly
   55 O D Occasionally

6. If so, how often do you use it?

Date: __________________________

Signature: __________________________

Save TIME and fax it: 413-637-4343

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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 Foray Bt 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 transplanting 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 post-emergent (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 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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RedMax says the 25.4cc stato-charged two-cycle 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 www.redmax.com / 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. Corrosion-resistant 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

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 lamphhead with a large format lens and attachable, angled visor-glare 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

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

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.lowelcorp.com / circle no. 256