

your turf less susceptible to disease, which means you can use less fungicide to protect it.

Knowing when to use a fungicide is important, too. By



watching for conditions in which turf diseases thrive (weather patterns and soil

Fungus attacks plants from within. The results can be devastating.

temperature provide some very

Responsible Pest Management. It also contains complete information on tactics you can use to control weeds and insects more responsibly. For a free copy, just return the

kind, gentler way to get

S.

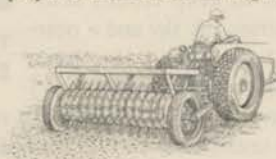
reliable signs), you can put down fungicide with perfect timing, and make fewer applications.

And, of course, it helps to choose your fungicide carefully.

coupon below, or call our toll-free telephone number. And learn some very nice alternatives to applying a lot of fungicide.

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Leading universities recommend the following cultural practices to protect your turf from dollar spot. Eliminate excess thatch. Provide proper aeration. Increase nitrogen. Remove dew and water deeply



and infrequently in the early morning (taking steps to keep your turf dry reduces the risk of dollar spot).



Rubigan lasts longer than most other fungicides, so you don't have to apply it as often.

Long-lasting Rubigan® fungicide is a very good choice. It controls 14 diseases, including dollar spot, necrotic ring spot, summer patch and brown patch. It's very easy on your turf. And it lasts longer than most other fungicides, which means you don't have to apply it as often.

Of course, there's a lot more to fungus control than what fits in this ad. You'll find it in our 44-page book, The Turf Manager's Guide to

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LAWN CARE INDUSTRY

Path to lawn care knowledge often steep and exhausting

by Ron Hall, senior editor

■ The longer I follow the Lesco broadcast spreader, the more the mustard-colored granules look like tiny, hard-bodied insects trying to escape a predator. I push the spreader; they frantically jump away, pelting the papery, curled leaves in the grass like a dry rain, skittering over cast iron water meter covers and patches of bare clay where tenants had parked barbecue grills.

Turf fertilizer hopping like fat brown and yellow fleas?

I know I'm fatigued. My legs quit complaining two hours ago. They're leaden. But hallucinations?

Yesterday, we—owner Steve Bailey, college senior Ron Sandrock and myself—had planned to kick off Grassroot Lawn's season by treating one of its biggest accounts, an apartment complex with 480,000 sq. ft. of turfgrass, about half of it sliced into tiny grassy triangles, rectangles and other assorted shapes. That's what you get with a dozen apartment buildings

designed and built into a sloped ravine along a small stream.

It rained, so Steve spent the soggy afternoon instructing me on the science of pushing a spreader. Steve views correct application—judging by the intensity of his instruction—as something slightly less precise than laser surgery. Okay, I exaggerate a bit. Anyway, he apologizes for being so thorough. He'll be too busy to look over anybody's shoulder once we start, he explains.

Tuesday, March 22, just north of Columbus, Ohio, is a perfect day. There's breeze enough to keep clouds scuttling across the sky and a near-perfect 65°F, but I've been walking so persistently that I still have to reach around with my right arm to unstick the back of the blue cotton work shirt from my back. Perspiration slides down my back. Any exertion more



Two days of pushing a spreader reaffirmed Senior Editor Hall's decision to remain a journalist.

lively than the pace I've fallen into behind this spreader causes me to pant.

I'm just finishing my first-ever 9½-hour day as a lawn applicator. I admit to being both more exhausted and more self-satisfied than I should be. I'm also feeling a tinge of guilt. Just a tinge.

I'll only be a lawn applicator a couple of days. That thought, with increasing and undeniable relief, is always in my mind.

In a few days I'll return to the real world—the blinking computer screen, the telephone and steaming cup of tea. Dew never covers the carpet there. I never push a spreader or run a lawn care company in my 8- by 12-foot office with its shoulder-high petitions.

My partner Ron Sandrock slides a cheap pen from the pocket of his work shirt and scribbles some numbers on the side of the bag he's just hoisted onto the fender of the trailer. He probably doesn't weigh 150 lbs. I'm surprised every time he horses another 50-lb. bag of Scotts fertilizer out of the trailer. He does it so easily.

It seems like I've wrestled a lot more than the 40 bags we stacked onto the trail-

You spread fertilizer, we spread information

■ I think back to when I got the idea of actually working as a lawn technician, then writing about it.

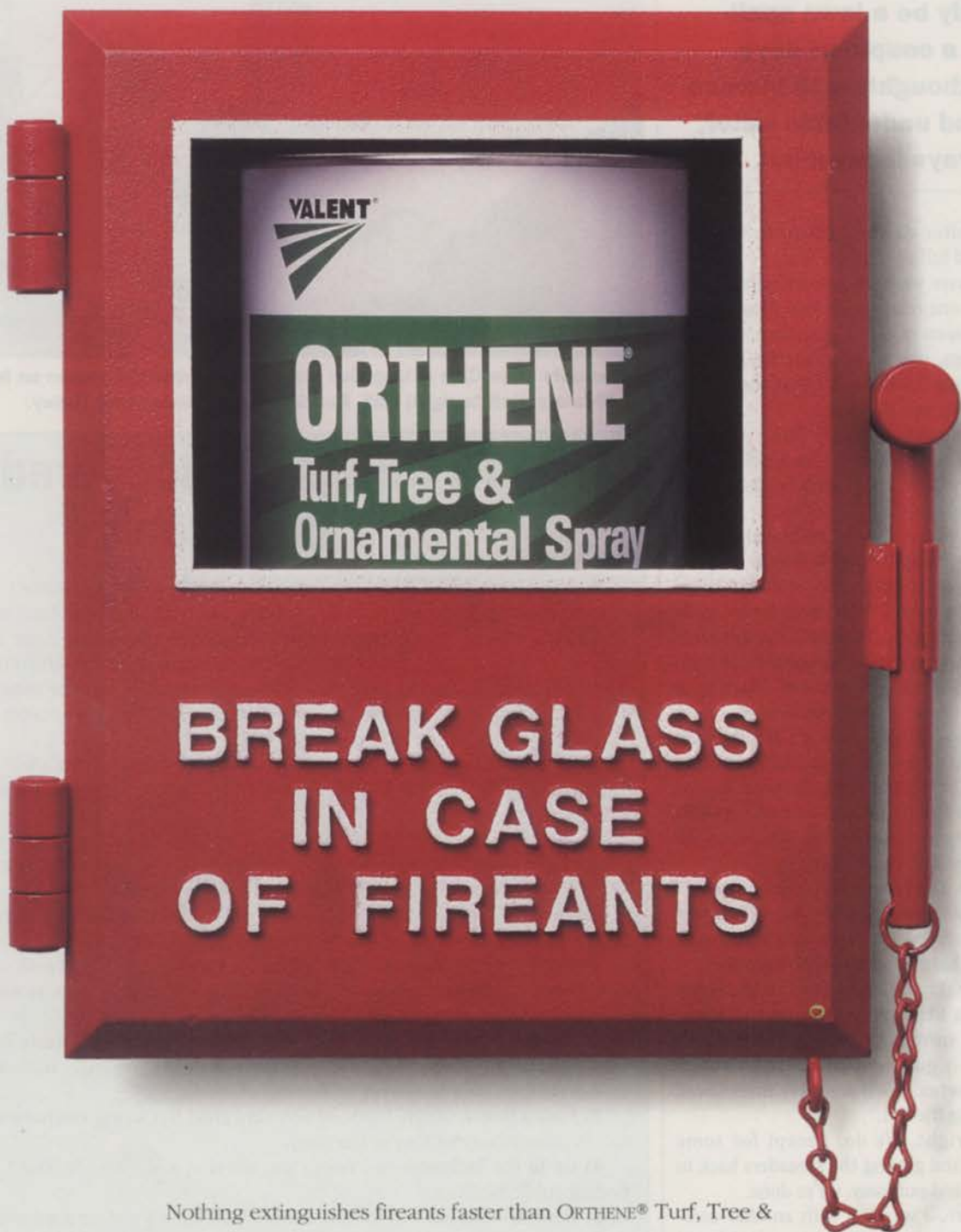
"But what could anyone learn about spreading fertilizer? I'm sure they already know all they need to know about it," said Steve Bailey to my offer. That's when I asked if I could help kick off his first round of lawn applications.

Bailey had a point. How could I shed new light on this subject to Bailey, charter member of the Ohio Lawn Care Association, graduate of nearby Ohio State University, owner/operator of Grassroots Lawn & Irrigation? What insight could I provide anyone calling himself a lawn care professional?

Not being able to come up with a convincing answer—either for Bailey or for myself—I asked, "But you could use some help, couldn't you?" He was honest enough to say he could.

But I do advise people like Bailey how to do these things more efficiently or more profitably. More accurately, I guess I don't advise them—who the deuces am I to advise them? Information: sure. Advice: no. I gather information from others in the business particularly good at one facet or another of lawn care, and pass it on. I sometimes go to unusual lengths—and my employer to unusual expense—to get this information. Then we publish it.

—R.H.



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I'll only be a lawn applicator a couple of days. That thought, with increasing and undeniable relief, is always in my mind.

er just after daybreak. Now we've got a truck bed full of empties.

Ron says we have just enough product to finish one remaining ridge. Maybe half a bag between our two spreaders, and two 50-lb. bags, one for him, one for me. At $\frac{1}{2}$ lb. of N per 1,000 sq. ft., that should just about do it, says Sandrock.

He's a senior at Ohio State, studying turfgrass, and wants to be a golf course superintendent. That much he shares. But mostly he's quiet.

The grassy hill, with several apartment buildings lining its top, is maybe 70 yards long, 30 yards wide. Until I started tiring just before noon I didn't even notice it. As the day advances, and I treat the dozens of smaller triangles and rectangles of turfgrass surrounding it, it grows. Starting as a mere hillock, it keeps swelling as I push that spreader, and now it's finally high enough to be snow-capped, like Everest. In my mind it is. One thing for sure: it's too steep for the little tractor and spreader that Bailey had used on the long, flat turfgrass areas earlier in the day.

Since Sandrock, like myself, unaccountably saved this hill—the largest and steepest on the property—for last, I suspect he's hardly eager to tackle it either.

"You take the higher end of the ridge. It looks a little more level up there," he suggests, surmising that the needle on my gas tank is quivering on E, "and I'll start in this corner. We'll probably meet about halfway up the hill."

He's right. We do. Except for some clean-up and getting the spreaders back to the shop and put away, we're done.

Tomorrow we start with another commercial property, half as large and almost completely flat. Then there's a 50,000-sq. ft. property ("It's easy," grins Sandrock.), and then residences, most of them the 8,000-10,000 sq. ft. variety.

That's when I'll cut out, when we get to the home lawns. Ron can handle them more efficiently by himself.

Being a professional lawn applicator is definitely a job for a younger man with younger legs.



Grassroots Lawn Care & Irrigation started its application season on March 17. Applicators: (left to right) Hall, Ron Sandrock, owner Steve Bailey.

10 things I discovered as a lawn rookie

■ In the course of a long hard day, the professional turf applicator's life shrinks to just two dimensions: turfgrass (treat it) and not-turfgrass (don't treat it).

Richer, more weighty thoughts seem to be particularly hard to come by behind a lawn spreader or tugging at a spray hose. So you can imagine my difficulty in boiling down my short-lived experience as a lawn applicator to these few simple observations. (I probably could have come up with more, given another couple of days on the job.)

10) Never try to push a full spreader around the steepest part of a hill. A spreader with 80 lbs. of product handles like an over-loaded coal truck—except the truck has brakes.

9) If the lady of the house happens to be walking to her mailbox as you're approaching at right angles with your spreader full bore, throttle back, give her the right-of-way and politely smile and nod as she peruses the day's mail.

8) Never, ever spray dogs with product, no matter how much of a mess they've left in the grass. The same goes for kids—large or small, chained or unchained.

7) Don't try to pick up every little scrap of paper lying in your path on a big job like condos or apartments. But you're expected to move, if you can, picnic tables for a more uniform application. (What about old tires?)

6) Wear a hat no matter how much hair you have. Comfortable work boots, gloves and long sleeves are more than handy too, unless you enjoy sunburn, blisters and scratches.

5) Pack a broom on the truck. Blowers are great but, being mechanical, they can fail. In some situations they're too noisy.

4) Go to the bathroom just before you arrive at a big job site. Don't gamble on finding public facilities.

3) Discriminate: put turf fertilizer only where there's turf, or a reasonable expectation of turf—meaning you don't have to ram your spreader beneath most evergreens or trees with prickly spines (i. e. don't be too fine in fertilizing beneath Hawthorne trees).

2) Don't use your prized baseball hat to mark where you've left off while you retreat to refill your spreader, particularly not near sidewalks. "Uhhh, nice hat," the passing mailman says appraisingly as the applicator hustles back to the site.

1) Make a map of big properties or of properties with lots of little turfgrass areas. It doesn't have to be fancy, just reasonably accurate to show the location and size of the areas you're treating. When you finish a section, color it on the map. Also, a map will help you find your way back to the truck at day's end.

—R.H.



IN NEW JERSEY'S "BROWN PATCH ALLEY... I'VE HAD GREAT SUCCESS WITH DACONIL 2787."



*Tim McAvoy,
Superintendent,
Fox Hollow Golf Club
Somerville,
New Jersey*

"This part of New Jersey might be called 'Brown Patch Alley,'" exclaims Tim McAvoy, certified golf course superintendent at Fox Hollow Golf Club in Somerville, N.J. "The terrain, the soil, and the grasses we grow seem to make us more susceptible." Fortunately, Tim has found that Daconil 2787® Flowable Fungicide from ISK Biosciences Corporation "has a great ability to stop Brown patch every time."

Stops Dollar spot, too!

Fox Hollow's greens are bentgrass, Tim says, "and unfortunately, *Poa annua*." Recently renovated tees are 100% bentgrass, while the fairway grass is a combination of fescue, rye and *Poa*. That makes the fairways more susceptible, he believes, to Brown patch and Dollar spot.

"The fairways are where I use Daconil 2787 most," he says. "Starting in late June, I pretty much follow a 10- to 14-day preventive schedule for both diseases."

"We try to make good use of all the products and cultural practices available to us," Tim adds. "We use a slow-release urea-type fertilizer in the spring and then little or no nitrogen until

September. We watch the water so we're not exceptionally wet, and we dethatch and do some other things to keep the microclimate as cool as possible when the turf is under the most stress."

Tank mixing saves time.

Besides great Brown patch and Dollar spot control, superintendents get still another important benefit from Daconil 2787: "The flowable formulation is compatible with so many other products," says Tim, "I can tank-mix and knock out two or three diseases. With so much acreage, tank mixing really helps me stay within my personnel budget."

And with Daconil 2787 as the cornerstone of Tim's disease-control program, he doesn't have to worry about disease resistance, either: "As far as Daconil 2787 is concerned, I don't think there's ever been a documented case of resistance. I've always had great success with Daconil 2787."

Have you got a Daconil 2787 success story? Tell us about it. If we use your story in an ad, we'll donate \$100 to your favorite charity. Write Jackie Tengler, ISK Biosciences Success Stories, 5885 Landerbrook Dr., Suite 215, Cleveland, OH 44124. Always follow label directions carefully when using turf and ornamentals plant protection products.

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HOT TOPICS

ALCA acquires technician certification program

RESTON, Va.—A national certification program for landscape technicians is in the works.

The Associated Landscape Contractors of America (ALCA) agreed to purchase the Certified Landscape Technician Program that was developed by the California Landscape Contractors Association (CLCA). This is the same program used the past several years in California and also by landscape associations in Colorado, Oregon and Washington.

"We will be forming a National Landscape Technician Council to review the tests and discuss and approve regional test differences," says ALCA Executive Director Debra Atkins. CLCA developed the test over an eight-year period. She said ALCA's Board of Governors decided that it is "an excellent program," and didn't see a reason to duplicate the efforts of the CLCA.



Sometime yet in 1994 each state will be given the opportunity to set dates and sites for offering the National Certified Landscape Technician Program, which deals primarily with exterior landscaping knowledge and skills.

A news release on CLCA letterhead signed by Henry Buder, CLT ("Certified Landscape Technician"), said that the CLCA in January 1993 offered to sell ALCA the program so that it could be administered nationally. ALCA studied the program—some members even personally visiting test sites—before finally offering \$40,000 to acquire the program last month.

The technician certification program will complement several other certification programs that ALCA administers, explains Atkins, including its Certified Landscape Professional (for owners and managers), which has been up and running since January 1993.

Eventually, said Atkins, ALCA hopes to administer certification programs covering most aspects of professional landscaping, both interior and exterior.

—Ron Hall

Stihl recalling backpack blowers and sprayers with fuel line leak

VIRGINIA BEACH, Va.—Stihl, Inc. is recalling all BR 320, BR 400, SR 320 and SR 400 backpack blowers and sprayers manufactured after Oct. 21, 1991 with serial numbers above #224438666.

The serial number can be seen through a small opening above the recoil starter housing indicated with an embossed "No. ♣."

This recall is necessary, Stihl says, because of possible fuel line leaks "that could cause a fire under certain condi-

tions, resulting in the serious injury or death of users or bystanders."

The questionable units were sold from November 1991 to the present.

If you have purchased one of these units, Stihl recommends you discontinue its use immediately and return it to an

authorized Stihl dealer for replacement of the fuel line and modification of the fuel tank at no cost.

If you have any questions, contact your Stihl dealer (Yellow Pages under "Saws") or call (804) 486-8444.



Locating the serial number on Stihl's BR 320, BR 400, SR 320 & SR 400.

ELSEWHERE

P.A.T. rights are sold to Joe Motz, page 57

Profit takes the PLCAA spotlight, page 57

Books, literature for the industry, page 58

Motz acquires rights to P.A.T.

CINCINNATI—Local businessman Joseph E. Motz thinks advances in drainage technology will drive professional and collegiate sports back to natural grass fields.

Motz, owner and president of Motz, Inc., announced the purchase of Turfgrass Services, Inc., Pueblo, Colo., gaining rights to the athletic field design system known as Prescription Athletic Turf (P.A.T.).

P.A.T. is based on the use of vacuum to forcibly extract water from the sand-based field, keeping the surface mud free and playable even under extreme weather conditions. The action can be reversed to irrigate the field from the base up, allowing the turf to be watered even while it is under play, explained Motz. Subsurface electronic moisture sensors tied into the vacuum and irrigation systems allow P.A.T. to function automatically.

P.A.T. was invented at Purdue University about 20 years ago and has since been installed on 34 major playing fields, including: Soldier Field, Chicago; Joe Robbie Stadium, Miami; Camden Yards, Baltimore; Ohio Stadium, Columbus; and Seminole Stadium, Tallahassee, Fla.

Motz's Sports Turf Division manages two P.A.T. fields in Cincinnati as well as constructing athletic fields throughout the tri-state (Ohio, Kentucky, Indiana). It also provides technical management services to more than 35 university and high school fields in that area.

"There is nothing like P.A.T. anywhere in the world," says Motz. "The \$600,000-plus price tag puts P.A.T. within reach of only the sporting elite. Potential for the system is as strong overseas as it is in the United States."

Lawn care panel predicts:

Give customers more value

KANSAS CITY—"To make our products worth the price, we must give the customer added value," said Gary Ahrens of Interstate Distributing at the second annual Western Lawn Expo here.

Ahrens was on a "Future of the Lawn Care Industry" panel.

David Zerfoss of Husqvarna Forest & Garden agreed: "The dealer must do something different—like supplying a greater number of products, or promoting after-

market service or his intimate knowledge of the industry and its products."

John Cundiff of Turf's Up Lawn Service said this: "Things are getting tougher, as worker compensation, mandated health care and NAFTA continue to creep into our day-to-day operation."

Other panel members were John Smith of Exmark Manufacturing and Tom Glaub of the North American Equipment Dealers Association.

GREEN INDUSTRY EVENTS

What's going on in the industry

MAY

14: Baseball/Softball Field Maintenance, Boone, Iowa. Phone: Gary Peterson, (515) 791-0765.

17: Scouting for Pests and Problems in the Landscape, Sandwich, Mass. Phone: Kathleen Carroll, (413) 545-0895. (Repeated June 1 in Waltham, June 9 in Amherst.)

18: North Carolina Turf & Landscape Research Field Day, Raleigh. Phone: (919) 266-1777.

18-20: Color Magic '94, Walt Disney World, Orlando, Fla. Phone: Florida Nursery Growers Association, (407) 345-8137.

24: Sports Turf Workshop, Kane County Event Center, Geneva, Ill. Phone: (708) 439-4727.

JUNE

8: Lofts Ohio Field Day, Wilmington, Ohio. Phone: David Goodwin, (513) 382-

1127 or (800) 382-1127.

10: Lofts Maryland Field Day, Beltsville, Md. Phone: John Patton, (301) 937-3332 or (800) 732-3332.

13-18: Harvard University Graduate School of Design courses and workshops in golf course design, site planning, development, Cambridge, Mass. Phone: (617) 495-1680.

16: Turf-Seed Inc./Pure Seed Testing Inc. Field Day, Hubbard, Ore. Phone: Tom Stanley, (503) 651-2130.

22: Sports Turf Association (Canada) Annual Field Day, Guelph Turf Institute, Canada. Phone: Jane Rivers, (905) 847-9181.

23: University of Massachusetts Turf Research Field Day, South Deerfield, Mass. Phone: Dr. Richard Cooper, (413) 545-2353.

23: Biological Control of Insect and Mite Pests of Woody Landscape Plants, Amherst, Mass. Phone: Kathleen Carroll, (413) 545-0895.

PLCAA spotlights profit, professionalism; ALCA, PGMS join in for Green Industry Expo

MARIETTA, Ga.—"Profit Through Professionalism." That's the theme for the 1994 Professional Lawn Care Association of America (PLCAA) Conference Nov. 13-17 in St. Louis, Mo.

Joe Williams of Lawn Master, Inc., Pensacola, Fla. is a PLCAA board member. He describes the conference as "the one-stop education extravaganza and shopping event of the year."

The affair begins Sunday morning,

Nov. 13, with a seminar, hosted by the Professional Lawn Care Association of Mid-America, at the Missouri Botanical Gardens. An afternoon pre-conference seminar rounds out the day at the Adam's Mark Hotel. Separate registration is required for each of these events.

The Adam's Mark Hotel serves as the headquarters hotel for PLCAA. The conference educational programs and the trade show take place in the America's Center (formerly Cervantes Convention Center).

The Green Industry Expo/94 is sponsored by PLCAA, the Associated Landscape Contractors of America (ALCA) and the Professional Grounds Management Society (PGMS).

For more information on the PLCAA Conference or the Expo, contact: PLCAA, 1000 Johnson Ferry Road, NE, Suite C-135, Marietta, GA 30068; phone (800) 458-3466.

For more information on the conference being held by ALCA, phone (703) 620-6363. For more information on the conference being held by the PGMS, phone (410) 584-9754.

INFO CENTER

Selected books and videos for the industry

GREENS MOWING MADE EASY...The first program in a continuing golf course superintendent's video training series is called "Greens Mowing Tips and Orientation." The 30-minute video, which features superintendents Paul Latshaw and Darren Davis, has 15-minute segments on triplex mowing and walking greens mowers. Employee handbooks are included. Call (800) 938-4330 for a free preview tape.

TREE CARE VIDEO...The National Arborist Association is offering a "Ropes, Knots and Tree Climbing" video training tape. It covers the newest techniques for using carabiners, the prusik loop and false crotches, as well as basic instruction in knots and climbing techniques. The video is packaged with employee comprehension sheets and attendance sheets for proper OSHA documentation. For more information, write or call the N.A.A., P.O. Box 1094, Amherst, NJ 03031; (800) 733-2622.

NEW DOT GUIDE...To assist lawn care operators in complying with Department of Transportation regulations, the Professional Lawn Care Association of America has developed a "Guide to the Transportation of Pesticides." Price is \$25 for PLCAA members, \$40 for non-members. To order, send check (payable to PLCAA), Visa or MasterCard number and expiration date to: PLCAA, 1000 Johnson Ferry Rd. NE, Suite C-135, Marietta, GA 30068; or fax your order to (404) 578-6071.

SHADE TREES...Written by a team of researchers in the Auburn University Department of Horticulture, "Shade Trees for the Southeastern U.S." is designed for landscapers, students, nursery operators, urban foresters, and anyone who works with trees. The 133-page softcover book contains more than 200 color photos. It is available for \$10 per copy. For more infor-

mation, call Robyn Hearn at (205) 844-4877 or send check, money order or purchase order to Research Information, 110 Comer Hall, Auburn University, Auburn, AL 36849.

PESTICIDES BY DISKETTE...C&P Press's new computer program is titled "Electronic Pesticide Reference." It contains 30 chemical manufacturers, full text labels for more than 800 products, 1,000 full text MSDSs, product summaries and current DOT shipping information by product. The program is available on CD-ROM or Multiple Diskettes. Subscribers receive updates every 90 days. For more information, contact C&P Press at 888 Seventh Ave., Suite 2800, New York, NY 10106; (800) 544-7377.

GOLF SURFACES..."The Complete Golf Surfacing Buyers Guide" contains a complete line of spike-resistant products like carpeting, rubber rolls and tiles, synthetic turf and ceramic tiles for indoor and outdoor applications. Authors are Scott Shaw and Daniel Jameson. To order a copy, phone R.S. Global Inc. at (800) 451-6762.



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PRODUCT SHOWCASE

Easy-start cutters have low weight, noise level

Two new easy-start commercial trimmers are now available from Husqvarna Forest & Garden. Both are powered by 22 cc engines, and feature the lowest weights



in their class, according to Husqvarna: 11.2 lbs. for the 120R and 10.1 lbs. for the 120L.

Each features a high-quality muffler molded of an aluminum alloy with an extremely low noise level of 91 dBa. They also both have a one-button injection starting system that dispenses with choking and half-throttling to start.

The 120L has a loop handle while the 120R has a bicycle handle; both are ergonomically designed.

Circle No. 191 on Reader Inquiry Card

Easy equipment start-ups with guaranteed system

The Smooth Operator System is a series of integrated performance features that make every 25cc and 30cc Homelite product—blowers, hedge trimmers, cultivators and edgers—easy to start.

The unique compression release concept allows all users to start Homelite products with confidence. In fact, Homelite products with the Smooth Operator System are guaranteed to start.

Homelite makes six gasoline trim-

mers and brushcutters, four blower and blower/vac models, two hedge trimmers



and one edger with the Smooth Operator System. All have two-year limited warranties.

Circle No. 192 on Reader Inquiry Card

Unprecedented combo on these front mowers

Kubota Tractor Corp.'s two FZ-Series commercial front mowers combine Auto Assist Differential (AAD), which allows automatic switching between 2- and 4-wheel drive, with the Zero Diameter Turn



feature (ZDT).

The FZ2400 has a full-tilt power steer-

ing wheel, tilt deck, a dependable shaft drive and optional round-shoulder turf tires for increased stability and traction.

FZ Series front mowers can be equipped with 54-, 60- or 72-inch decks, a 60-inch rear discharge mulching mower, grass catcher, utility blade, snowblower and soft-sided cab enclosure. They come with 20 or 24 hp liquid-cooled diesel engines.

Circle No. 193 on Reader Inquiry Card

Compact mowers built small, big on performance

The 251K and 260K compact riding mowers from Excel have a true zero-radius turning feature to limit wasted motion.

Cutting height can be changed quickly for mowing and transport needs.

A low center of gravity gives the operator confidence on slopes.

The mowers have large capacity fuel tanks and fully pressurized engine lubrication systems.

Circle No. 194 on Reader Inquiry Card

Mower built for maximum diesel fuel efficiency

The new Ingersoll 5118D is an 18-hp diesel zero turning radius mower is the latest in liquid-cooled diesel technology with energy efficient indirect injection combustion systems and smooth running 3-cylinder in-line design.

Powered by a Perkins engine, the front cut mower provides extra long life performance and fuel savings as compared to air cooled gasoline powered units.

The Ingersoll zero turn mower provides the extra performance of true All Hydraulic Drive with dual pumps that hydraulically power individual wheel motors for superior "zero" turn steering control and performance.

The company says the mower has exceptional hill climbing ability, thanks to the location of the drive wheels and weight distribution.

High blade tip speeds and ground speeds, combined with maneuverability of the zero turning radius makes for high speed mowing. A "flip-up deck" offers easy access to the blades.

Circle No. 195 on Reader Inquiry Card

PRODUCT REVIEW

Mulching accessory solves clipping disposal

The new Multipurpose Exmark Explorer II provides true zero-turn agility, ultra-smooth dampened steering and superior hillside traction and stability.

The 52-inch floating cutting deck provides a picture-perfect cut. The deck's new TriVantage design lets the user mulch, bag or discharge clippings.



Circle No. 196 on Reader Inquiry Card

Mid-size mower line has a new, zero-radius addition with 44-, 48-inch decks

The Grasshopper markets the all-new Model 616, designed for consistent, efficient operation in a wide range of lawn



care applications.

The mower combines proven Grasshopper features with a Briggs & Stratton 16 hp engine for enhanced productivity and reliability.

An added feature is the advanced dual-hydrostatic direct drive.

Adjustable foam-padded dual levers offer complete control of all functions in the palm of the hand.

Outfront, low-profile PTO shaft-driven decks in 44 and 48 inches have interchangeable mulching deck options, plus Quik-D-Tatch Vac grasscatchers and attachments for year-round use.

Circle No. 197 on Reader Inquiry Card

Recycler deck attaches to existing mower series; delivers clippings down

The Toro Company's new Guardian 623 Recycler Deck is now available.

The Guardian 62 is a new version of the Guardian 72, and can be retrofitted easily to the company's Groundmaster 200 Series mowers.

The deck is designed to force clippings downward, and confine them to the width of the mower, thereby decreasing the possibility of discharging any dangerous objects from under the deck.

Design of the deck eliminates clipping removal.

Circle No. 198 on Reader Inquiry Card

Put a Front-Mount Millcreek Aerator on Your Commercial Mower.

Get more production and profitability from your John Deere, Ford, Kubota or Excel Hustler up-front mowers by attaching a front mount Millcreek core plug aerator.

Millcreek aerators have individually-mounted spoon wheels so you can make gentle turns without tearing turf. And our sturdy protective cage increases safety.

With so many styles and sizes, including 3-point hitch and tow-behind, choosing a Millcreek aerator is almost like designing one for yourself. All this and attractive pricing too. Call today for your free information.

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