## Changing the Course.

### New HERITAGE<sup>™</sup> Fungicide. Changing the Course of Disease Control.

ow, golf course superintendents can change the course of turfgrass disease control with HERITAGE, a completely new fungicide with a novel mode of action. HERITAGE will give your golf course round-theclock protection against devastating diseases. With its powerful combination of preventative and curative activity and its high level of effectiveness against 18 of the toughest turf diseases, HERITAGE will make an outstanding difference in the quality and health of your turfgrass.

The active ingredient in HERITAGE is based on naturally occurring fungicides, called strobilurins, which are found in certain mushrooms.

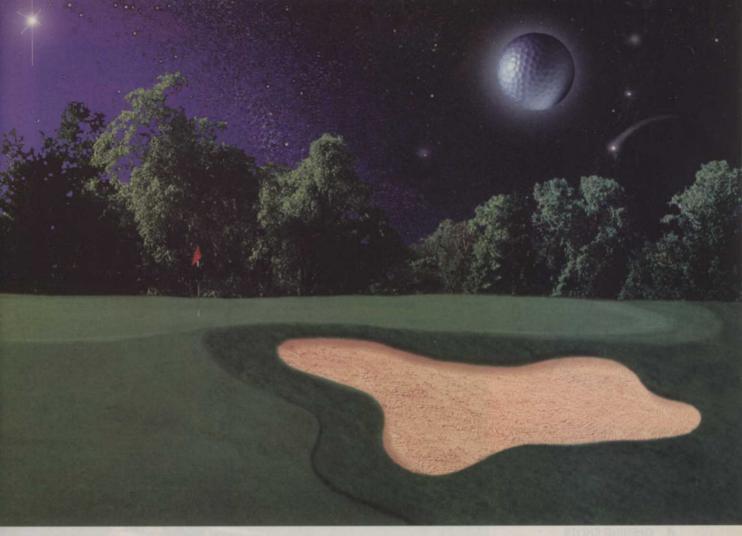


HERITAGE has a novel mode of action which is different than any other fungicide now on the market. It has both preventative and curative activity and is absorbed into the leaf blades and stems

as well as taken up by the roots. This ensures that your golf course is protected from the devastating effects of turfgrass diseases.

HERITAGE is the only fungicide available that controls both brown patch and Pythium, as well as take-all patch, summer patch, anthracnose and snow mold — an unprecedented advantage for the turf professional's disease program. HERITAGE is also effective against certain fungicide-resistant pathogens, making it an extremely useful tool in resistance management strategies.

**ZENECA** Professional Products



Superintendents will find that HERITAGE is exceptionally compatible with the environmental balance of their courses. HERITAGE poses minimal risk to birds, mammals and fish, and its low use rates and extended application intervals mean less active ingredient is released into the surroundings.

For more information on HERITAGE Fungicide and how it's changing the course of disease control, contact your Zeneca Sales Representative or call Zeneca Professional Products Toll Free at 1-888-617-7690. Once you learn about the powerful, round-the-clock protection this new fungicide offers, you'll agree that it's time to change the course of your turfgrass disease management program, with HERITAGE.



Always read and follow label directions. HERITAGE" is a trademark of a Zeneca Group Company. @1997. Zeneca Inc

#### AUGUST 1997 VOLUME 36• NUMBER 8

## INSIDE



ON THE COVER: AETNA CORPORATE HEADQUARTERS, HARTFORD, CT. MAINTAINED BY LAFLAMME SERVICES, BRIDGEPORT. PHOTO COURTESY LAFLAMME SERVICES.

### COLUMNS

- 4 OPENING SHOTS
- 12 ASK THE EXPERT

### DEPARTMENTS

- 14 HOT TOPICS
- 47 EVENTS
- 48 SUPPLIERS CORNER
- 48 INFO CENTER
- 49 PRODUCTS
- 73 CLASSIFIED
- 75 AD INDEX
- 76 GRAB BAG

# THE VOICE OF THE GREEN INDUSTRY LANDSCAPE management

### FEATURES

- 20 THE LM 100: CLASS OF '97 They're model companies and turf managers with a touch of greatness. TERRY MCIVER, RON HALL, JIM GUYETTE
- **34 LM REPORTS: AERIAL LIFTS** Booms are essential in the tree care industry. Safety is most important. *CURT HARLER*

**38 BLANKETS FOR TURF GROWTH** Wheat straw is popular thanks to its revegetation capabilities. *RUSSEL GRUBER, PETE* HANRAHAN

40 SCORE BIG WITH BULBS They're an easy, popular choice for landscapers. Tips include: no wet feet, and full sun at leaf green up. STEPHANIE COHEN

42 MICROINJECTION FOR TREES The process of microinjection as a way to dispense medicine into trees will help get them ready for fall. TERRY TATTAR, PH.D.

### 54 CORPORATE CAPABILITIES Vital stats on some of the green industry's leading suppliers.





SR1 SNOW REMOVAL GUIDE There's much money to be made from snow removal. The best pros give it their full attention, price it right, and don't bother much with residential work.

BPA

SHARON CONNERS

LANDSCAPE MANAGEMENT (ISSN 0894-1254) is published monthly by Advanstar Communications, Inc. Corporate, editorial and advertising offices: 7500 Old Oak Blvd., Cleveland, OH 44130. Accounting, advertising production and circulation offices: 131 West First St., Duluth, MN 55802.

Subscription rates: one year, \$39, two years \$58 (U.S.); one year \$66, two years \$99 (Canada and Mexico); one year \$130, two years \$195 (all other countries). For air mail delivery, include an additional 370 per order annually. Current issue single copies (pre-paid only): \$4 (U.S.); \$7 (Canada and Mexico); \$12 (elsewhere); add \$3.50 per order for shipping and handling. Back issues, if available, \$10 (U.S.); \$14 (Canada and Mexico); \$20 (clanada and Mexico); \$12 (elsewhere); add \$3.50 per order for shipping and handling. Back issues, if available, \$10 (U.S.); \$14 (Canada and Mexico); \$20 (clanada and Mexico); \$21 (clanada and Mexico); \$12 (elsewhere); add \$3.50 per order for shipping and handling (pre-paid orders only). **To subscribe**, call (218) 723-9477; fac: (218) 723-9437. Office of publication: Advanstar Communications, inc., 131 W. First St., Duluth, NN 55802. Periodicals postage paid at Duluth, NN 55806 and additional mailing offices.

Copyright Carphy Day Advanstar Communications, Inc., 191 m rist at, bound, Int. 2004 period of publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from Advanstar Marketing Services, Attn: Permissions, 7500 Old Oak Blvd., Cleveland, OH 44130 or phone (800) 225-4569 x742. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Advanstar Communications for libraries and other uses registered with the Copyright Clearance Center.



Canadian G.S.T. Number: R-124213133, IPM number: 841919

POSTMASTER: Send address changes to Landscape Management, P.O. Box 6198, Duluth, MN 55806.

2

**Move to Kubota Country** 

Move to Kubota country and you'll find versatility, durability and operator comfort. The Kubota B-Series (13 to 18 PTO horsepower) tractors are compact to fit in tight places and powerful to get lots of jobs done. Kubota perfor-



'round comfort.

country!

Visit your Kubota

dealer and find out

how to make your move - to Kubota

mance matched implements include rotary tillers, front loaders, mid and rear mount mowers, boxscrapers and snowblower.

Need more power? Move up to the innovative Grand L-Series (25 to 37 PTO horsepower). Hydrostatic steering, shuttle transmission with shift-on-the-go provides ease of operation. Kubota's exclusive optional Glideshift transmission has clutchless operation through all eight speeds, forward and



torque rise. Get one with an integral cab with heat and air-

with heat and air-

reverse. These tractors are smooth and

quiet, with Kubota's

É-TVCS engine

which ensures clean

emissions while

providing high

For more information, please write to:



Financing available through Kubota Credit Corporation



Circle No. 114 on Reader Inquiry Card

### **OPENING SHOTS**

he LM 100 class of 1997 is comprised of "great" green industry people and organizations that deserve some recognition due to their ongoing standard of quality and service. We don't concern ourselves too much with sales figures here—frankly, not everyone wants to report them. In the golf category, we don't look

### LM 100: models of growth, guts and 'go get 'em'!



Cerup The Jan

TERRY MCIVER Editor-in-Chief

at prestige as a deciding factor, or total rounds played or who designed the course. We looked at reputation, uniqueness and initiative. Has this or that green industry organization kept up a standard of quality or tradition that is worth mention, or a special way of getting the job done?

Barnes Nursery has a model composting program in place that provides high quality materials for use in landscapes. It saves money, recycles yard waste, and generates profit for the company.

Some companies, such as Bozzuto Landscaping

Company or Blondie's Treehouse, have received awards from their communities or from an association for the work they do to beautify their corners of the world.

Internal company programs to train and stretch employee potential are worthy of note. Coronis does it in Nashua, New Hampshire, and so does Dennis' Seven Dees, Orlando. With the continuing challenge to find good, long-haul workers workers who want careers beyond June-July-August—more companies have realized the need to treat people as more than a recyclable commodity.

Some companies began in the '60s, and are still solid, such as the Hermes Company of Lenexa, Kan. They quietly went about their work, did what they needed to do, established their niche, and kept customers happy. That photo we have of John Hermes kind of sums it up: a happy man who's spent his life in a business he loves, in a company that's well run and efficient.

John Swingle started his company with one Jeep and one helper. Laurence Coronis was also a one-man shop. Marty Grunder started with a \$25 mower and a crazy dream that's become a \$1.6 million reality.

Golf course supers who made it into this year's class have monumental tasks. Thousands of acres of turf and trees need daily care, often on a limited budget. Same for athletic field managers and parks and recreation directors. What a bag of challenges. Green speed; bunkers; golfers; fairways. Little League; soccer; players; coaches.

Tradition really enters the picture when you talk about a golf course. Baltusrol's certainly got it. So does Cog Hill. The father-son team of Clyde and Kevin Nettles at the Dallas Athletic Club counts for much, and so does Frank Ekas' 40 years at Saxon Golf Club.

Each green industry segment has a solid core of dedicated professionals who give the industry its good name and make it run. This year's LM 100 are off and running each and every day.

*Phil Christian,* a popular green industry consultant who founded, and for a time led ChemLawn's Commercial Services Division, died of a heart attack on September 1. He was 56.

Christian was born and raised in Atlanta. He graduated from Auburn University in 1963 with a degree in Building Technology. For 11 years he worked in his family's construction business, which he bought in 1970 and sold in 1974. He then joined ChemLawn, where he pioneered the commercial pricing system for lawn care applications, and began to develop what is known today as "Practical Site and Landscape Management," a computer-assisted landscape management system.

Christian formed PDC Consultants in 1982.

"Phil's family has lost a father, husband and grandfather, I have lost a good friend and the industry has lost a giant," said John Allin, The Allin Companies, Erie, Pa., who had worked with Christian on various projects. LM

## There's more than fertilizer in this bag.

here's a total resource. One that can help you grow healthy, green turf with a strong root system and a solid base. Turf that's healthy and better able to fight disease, pests and everyday wear and tear. That resource is Terra. You'll find a complete, new line of Terra Professional Fertilizers - with primary, secondary, micronutrient and pesticide packages available. Plus, you can count on the support, service, assistance and expertise it takes to select and use the right

Working with you.

TECHNICAL ASSISTANCE ..... 100% AGRONOMIC EXPERTISE. fertilizer. The product that will do the job for you. For fertilizers, turf seed, plant protection products and a whole lot more - work with Terra. You'll get more.



PRODUCT SUPPORT ..... 100%

Terra Industries Inc. P.O. Box 6000 Sioux City, Iowa 51102 1-800-831-1002 www.terraindustries.com

MAGIC CARPET FERTILIZER



DRIVERS' EDGE CLOSE-CUT TURE

PUTTERS' PRIDE GREENS OUALITY

Professional hedge clippers that not only maximize your reach, but deliver improved power and better balance. That's Echo Pro Performance. Like our remarkable Shaft Hedge Clippers with an innovative shaft-type design that offers you maximum reach and superior balance to enhance professional results. And of course, these hedge clippers are powered by our legendary, world-class, two-stroke engine. Just what you'd expect from the number one name in outdoor power equipment.

At Echo, we've been giving landscaping professionals exactly what they need for over twenty-five years: superior outdoor power equipment that more than performs...day after day after bumping, jostling, banging, hard-working day.

The result? Power equipment that exceeds professional demands for quality, durability and dependability. Echo Pro Performance. Built by the team that knows what professionals need. Maybe that's why more landscaping professionals choose Echo than any other brand of outdoor power equipment. For more information on Echo Pro Performance products call 1-800-432-ECHO (3246).

## **REACH FOR THE HIGHEST PERFORMANCE.**



Circle No. 104 on Reader Inquiry Card

© 1997 Echo, Inc.



This new single-source reference provides the most current and comprehensive information on the basics of turfgrass and landscape management available today!

### The Landscape **Management Handbook**

edited by William E. Knoop 125 pages, softcover Item #LSMB830 \$3495



- We Provides an overall understanding of turf and landscape care and management and covers all the basics of the green industry
- & Covers all the topics both golf course superintendents and students of turfgrass and landscape management need to know about
- We Combines practical information with the tried and true basics of management to provide a single. practical, affordable and up-to-date text
- We Features detailed information, charts, diagrams, figures and tables to illustrate key information points

The Landscape Management Handbook provides a unique, single-source reference of comprehensive information on a variety of turf and landscape topics. It's an ideal handbook for golf course and lawn care superintendents and crew members, and is also appropriate for schools that teach basic turf and landscape management.

### Call 1-800-598-6008 Fax: 218-723-9146 Outside the U.S. 218-723-9180

ADVANSTAR MARKETING SERVICES Customer Service Dept. • 131 W. 1st St., Duluth, MN 55802

Shipping/Tax: UPS-add \$5 per order, plus \$1 per additional book. International, Hawaii, Alaska. Canada and expedited shipments-call for rates. Residents of CA, CT, GA, IL, MN, NJ, NY, OH and TX must add sales tax. Price subject to change CODE: 950071



### EDITORIAL STAFF

Dr. Bill Knoop Vernon Henry

Terence McIver Editor-in-Chief (216) 891-2709 -mail: tmciver@advanstar.com Ron Hall Managing Editor (216) 891-2636 E-mail: rhall@advanstar.com Technical Editor (903) 860-2410 E-mail: knoop@mt-vernon.com Group Editor (216) 826-2829 Lisa Lehman Art Director (216) 891-2785 Lisa Bodnar Graphic Designer (216) 891-3101

### **READER ADVISORY PANEL**

Jerry Coldiron Boone Links / Lassing Pointe G.C. Florence, Ky. Corey Eastwood Stockdale Country Club Bakersfield, Calif. Mike Guthrie Ground Control Landscaping Orlando, Fla. Larry Iorii Down to Earth Landscaping Wilmington, Del. Pat Nibler ProGrass Wilsonville, Ore. Russell Studebaker Horticultural consultant Tulsa, Okla.

#### **BUSINESS STAFF**

John D. Payne Group Publisher (216) 891-2786 Leslie Montgomery Administrative Coordinator (216) 826-2856 Linda O'Hara Senior Production Manager (218) 723-9281 Karen Laszlo Controller/Marketing Director (216) 891-2705 Debi Harmer Production Director (218) 723-9325 Karen Edgerton Circulation Manager (218) 723-9280 Lynn Viele Green Book Coordinator (218) 723-9393

### ADVERTISING OFFICES

Headquarters 7500 Old Oak Blvd. Cleveland, OH 44130-3369 (216) 243-8100 Fax: (216) 891-2675

John Kiesewetter Western Sales Manager

John D. Payne Group Publisher (216) 891-2786 E-mail: jpayne@advanstar.com

Sean Carr Regional Manager (216) 891 2767 Fax: (216) 891-2675 E-mail: scarr@advanstar.com

Tom Galligan National Sales Manager 3901 52nd Ave. Kenosha, WI 53144-1830 (414) 653-9523 Fax: (414) 653-9524 E-mail: tgalligan@advanstar.com

859 Willamette St. Eugene, OR 97401 (541) 461-0022 Fax: (541) 461-0044 E-mail: jkiesewetter@advanstar.com

Denise Zappola Classified / Market Showcase (216) 891-3162

**MARKETING SERVICES** 

Marcie Nagy Reprints (100 minimum) (216) 891-2744 Mike Balzano Circulation List Rental (800) 225-4569, ext. 697 Advanstar Marketing Microfiche/film Copies (800) 225-4569, ext. 839 Chris Baxter Subscriber/Customer Service (218) 723-9477 Tammy Lillo International Licensing (218) 723-9518 Books, directories, back issues, photocopies (800) 598-6008; (218) 723-9180



Chairman and Chief Executive Officer Robert L. Krakoff Vice Chairman James M. Alic VP, Business Development Skip Farber VP/Finance, CFO and Secretary David W. Montgomery VP, Strategic Planning Emma T. Lewis

Executive Vice Presidents Kevin J. Condon, William J. Cooke, Alexander S. DeBarr, Brian Langille, Glenn A. Rogers Treasurer & Controller Adele D. Hartwick

By John L. Mower Thanks to my very low Than

Then, I had a very idea. I hurried right to the fand called **SEEDSEX**, the bermudagrass experts. Their great selection of CERTIFIED bermudagrasses gave me exactly what I needed. They told me about

Sultan, brand bermudagrass and that I could have a denser, darker

and finer textured

Soon, everything was just

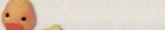
. I even had time

to hit the lake and catch some

call SEEDS WEST, too.

Seeds West Professional Turf Group Yuma, Arizona • Phone: 520.783.2050 Fax: 520.783.8401 www.seedswest.com

Circle No. 127 on Reader Inquiry Card



For a great summer, you should

## **GROWING LEADERS FOR SUCCESS**

The Professional Lawn Care Association of America is in the business of "Growing Leaders." Growing your career, your company and your industry. That's our mission. From all parts of the United States, Canada and around the world, PLCAA members are dedicated lawn and landscape professionals, grounds managers, industry suppliers, and students committed to professionalism and success

Invest in your success, join PLCAA today! As a member, you can take advantage of

- ➤ Year-Round Business, Legal and Technical Advice
- Tear-sound Dusines, Lega and Technical Advice
   1-800 Resource Hotine & Web Site
   Comprehensive Benefits Package Including Insurance & Retirement Planning
   Tools to Promote Your Role as an Environmental Steward
   Discounts on Educational Products, Conferences & Workshops
   Discounts on a University-Directed Industry Certification Program

  - > Legislative Support and Updates on the Issues
  - > Subscriptions to Informative Publications

"We continue our membership in PLCAA to take advantage of the many benefits. Strength in legislative affairs at the local and national levels, and specialists on staff who are a thorne call away

mplishes More (TEAM) an PLCAA "

- > Discounts on PLCAA's Operating Efficiency Study
- Public Awareness Campaigns to Spread the Good Word About Turf
   Discounts on Green Industry Expo Booth Space for Suppliers
   Exclusive Use of the Symbol of Good Practice Logo

YES! Help me invest in my success Send me information on PLCAA.

Visit PLCAA's Web Site: www.plcaa.org

This new single-source reference provides

the most current and comprehensive information on the basics of turfgrass and landscape management available today!

### The Landscape Management Handbook

edited by William E. Knoop \$3495 125 pages, softcover, Item #LSMB830

The Landscape Management Handbook provides a unique, single-source reference of comprehensive information on a variety of turf and landscape topics. It's an ideal handbook for golf course and lawn care superintendents and crew members, and is also appropriate for schools that teach basic turf and landscape management.

### Call 1-800-598-6008

Fax: 218-723-9146 • Outside the U.S. 218-723-9180 ADVANSTAR MARKETING SERVICES • Customer Service Dept. • 131 W. 1st St., Duluth, MN 55802. Shipping/Tax: UPS-add \$5 per order, plus \$1 per additional book. International, Hawaii, Alaska, Canada and expedited shipments-call for rates. Residents of CA, CT, GA, IL, MN, NJ, NY, OH and TX must add sales tax. Prices subject to change. CODE: 950072



#### A proud member of these green industry professional organizations:



Associated Landscape Contractors of America 150 Elden Street, Suite 270, Herndon, VA 20170 (703) 736-9666



American Association of Nurserymen (National Landscape Association) 1250 I St. NW, Suite 500, Washington, DC 20005 (202) 789-2900



**Golf Course Superintendents Assn. of America** 1421 Research Park Dr Lawrence, KS 66049-3859 (913) 841-2240

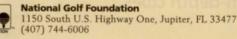


**Independent Turf and Ornamental Distributors Association** 1217 Wayburn Grosse Pointe Park, MI 48230 (313) 331-7739

International Turfgrass Society Crop & Soil Environmental Sciences, VPI-SU, Blacksburg, VA 24061-0403 (561) 996-3062



**National Arborist Association** The Meeting Place Mall, P.O. Box 1094, Amherst, NH 03031-1094 (603) 673-3311





**Ohio Turfgrass Foundation** P.O. Box 14824, Columbus, OH 43214 (614) 261-6750



**Professional Grounds Management Society** 120 Cockeysville Rd., Suite 104, Hunt Valley, MD 21031 (410) 584-9754



**Professional Lawn Care Association of America** 1000 Johnson Ferry Rd., NE, Suite C-135, Marietta, GA 30068-2112 (770) 977-5222



**Responsible Industry for a Sound Environment** 1156 15th St. NW, Suite 400, Washington, DC 20005 (202) 872-3860



**Sports Turf Managers Association** 1375 Rolling Hills Loop, Council Bluffs, IA 51503-8552 (712) 366-2669; (800) 323-3875



Turf and Ornamental Communicators Association P.O. Box 156, New Prague, MN 56071 (612) 758-5811