

"SINCE WE REPLACED OUR BLUEGRASS FAIRWAYS WITH PENNEAGLE, PLAYER SATISFACTION IS UP 500%"

Bill Byers completely renovated all 36 fairways at Des Moines Golf and CC over a period of three years ... nine in 1985, nine in 1986 and the remainder in 1987.

Three days after spraying the existing bluegrass/Poa annua fairways with a nonselective herbicide, Penneagle

Bill Byers, CGCS Des Moines Golf and CC, Iowa



was slit-seeded into the surface. When play resumed in seven days, members had the option of playing from the germinating fairways or taking a drop in the rough.

Bill finds that lightweight mowing keeps the Poa population in control. "I used the clippings for garden mulch one year, that resulted in a terrific stand of Poa. This illustrates the effectiveness of removing clippings and seed heads."

Overall, the new Penneagle fairways require less water than trying to maintain the old bluegrass/Poa fairways, and Penneagle proved to be drought tolerant during the dry summers.

"Bentgrass fairways are in demand in our area. Other courses in Des Moines have

Circle No. 134 on Reader Inquiry Card

made the switch," says Bill, "And we find that our player satisfaction is up 500%."

Oregon Certified PVP 7900009 Penneagle is one of the "Penn Pals"





On the cover: Roadside managers link the highway system and neighboring habitat (photo courtesy of Monsanto Ag Co.)

COVER STORY: LIKE A GOOD NEIGHBOR

by Terry McIver. What you don't see on your Sunday drive down the interstate is the behind-thescenes activity of the nation's roadside managers.

BUILDING SAFER ATHLETIC FIELDS

by Jim Leatzow. Careless planning, construction, or maintenance of an athletic field is an invitation to an accident-and a lawsuit.

EQUIPMENT'S DAY IN THE SUN 36

The most impressive display of turf equipment ever assembled awaits visitors to the seventh annual OPEI Expo in Louisville, Ky. Here are some of the innovative machines to be showcased.

SMALL CREW THEORY

by Phil Christian. Larger crews don't always translate to improved productivity. Determining how many is enough is essential to maximizing efficiency and profit.

CAN'T WORK?

by Ed Wandtke. Disability insurance coverage is essential for small business owners and their key management personnel. If you haven't placed any coverage in force yet, consider it as soon as you can afford it.

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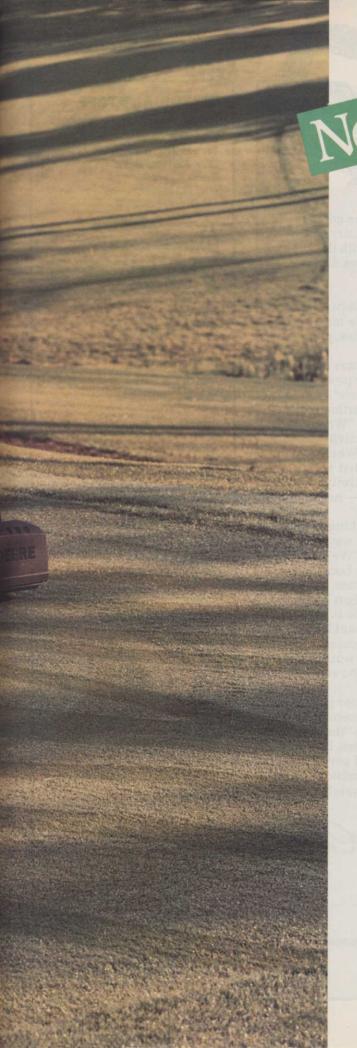
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LANDSCAPE MANAGEMENT (ISSN 0894-1254) is published monthly by Edgell Communications, Inc. Corporate and Editorial offices: 7500 Old Oak Boulevard, Cleveland, Ohio 44130, Advertising Offices: 7500 Old Oak Boulevard, Cleveland, Ohio 44130, 233 North Michigan Avenue, 24th Floor, Chicago, Illinois 60601 and 3475 Lenox Road, N.E., Suite 665, Atlanta, Georgia 30326. Accounting, Advertising Production and Circulation offices: 1 East First Street, Duluth, Minnesota 55802. Subscription rates: \$25 per year in the United States: \$50 per year in Canada. All other countries: \$100 per year. Current issue single copies (pre-poid only): \$2.50 in the U.S.; \$5.00 in Canada; elsewhere \$1.00; add \$3.50 per order for shipping and handling. Back issues, if available, \$10; add \$3.50 per order for shipping and handling (pre-paid orders only). Office of publication: Edgell Communications, Inc., 1 East First Street, Duluth, Minnesota 55802. Second class postage paid at Duluth, Minnesota 55806 and additional mailing offices. Copyright© 1990 by Edgell Communications, Inc., All rights reserved. No part of this 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 the publisher.





Mow Mow two days for the price of

Offset cutting units. They are the key to this new mower's success. Meet the John Deer 2243 Professional Greens success. Meet the John Deere Mower. The first triplex ever to

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Until now, the built-in price you've always had to pay for triplex productivity has been increased compaction wear around the perimeter of your greens. That price just got cut in half.

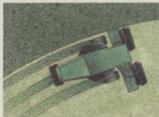
The 2243's patented offset design allows you to spread machine weight over twice as much area. Simply change the direction of your perimeter cut each day, and your tires travel over completely different

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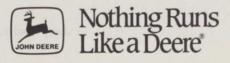
fittings and more.

Call 1-800-544-2122 for the location of your nearest distributor. Or write John Deere, Dept. 956, Moline, IL 61265 for free literature. Because you and your greens deserve the best—and this is as good as it gets.





Offset cutting units on the 2243 allow you to stagger your wheel tracks by simply changing your direction of cut.



AS I SEE IT...

Working within 'the system'



It's mid-summer. Temperatures in most parts of the country are frequently reaching into three digits. As mercury in thermometers rises, so do tempers. And you are faced with the annual question: How to save those most valued employees during this especially trying time of the year?

Dave Coyle has an answer.

Coyle is acting director of Cleveland, Ohio's Department of Parks, Recreation and Properties. He is responsible for 35 yearround maintenance workers at the 10 city cemeteries, plus summer help.

Coyle cites several steps he's taken in recent years that have not only kept employees happy, but increased their productivity.



Dave Coyle

"We started 'quality circle' meetings with workers from the Department of Urban Forestry," notes Coyle. "We saw a 43 percent increase in productivity by just listening to the workers." When an employee presented an idea that would increase morale or productivity, it was implemented immediately—no ifs ands or buts.

Coyle also says that working with appropriate labor unions is a way to avoid extra personnel problems. "We've joined hands with Laborers Union Local 1099 to

manage people collectively to do a good job," he notes.

Each of the cemeteries has a supervisor who designs his or her own maintenance program, thus getting field people involved in management tasks and making their job less thankless. "It's worked very well for us," Coyle says. "With that comes pride of ownership. As a result, we have neat, dedicated workers who really enjoy their jobs. And if there's a problem, the supervisor takes care of it immediately."

Coyle notes that this system has also helped foster good relations with the denizens of neighborhoods near the cemeteries.

Some government employees at Coyle's level use "the system" as an excuse for not turning out well-kept landscapes. But Coyle has found the secrets: work within the confines of government; keep your employees' welfare foremost in every decision.

And this system-within-a-system works. Does yours?

Jerry Roche

Jerry Roche, executive editor

LM

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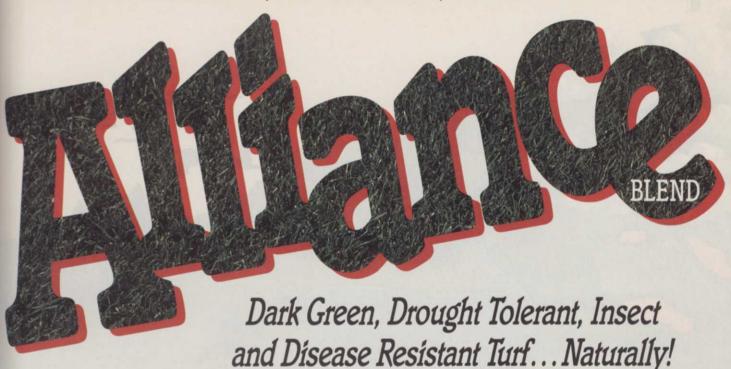
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Citation II

- Contains a high level of endophyte that enhances insect resistance.
- Very good resistance to leaf spot, brown patch, crown and stem rust, tolerance to red thread.
- Rich dark green color with good mowing quality.
- Excellent heat and wear tolerance.

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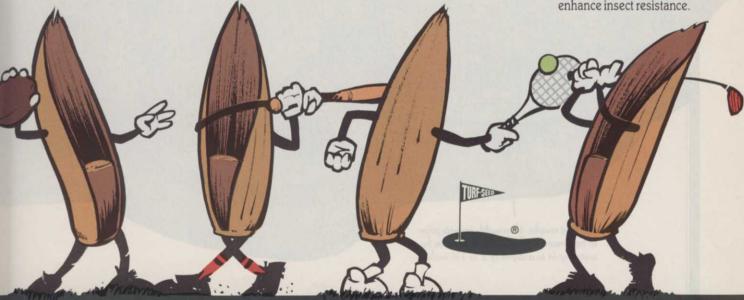
- The number 1 variety in the 1986 National perennial ryegrass trial.
- Dark blue-green colored low growing variety.
- Improved heat tolerance, and resistance to leaf spot, brown patch and stem rust.
- Very good performance in California overseeding

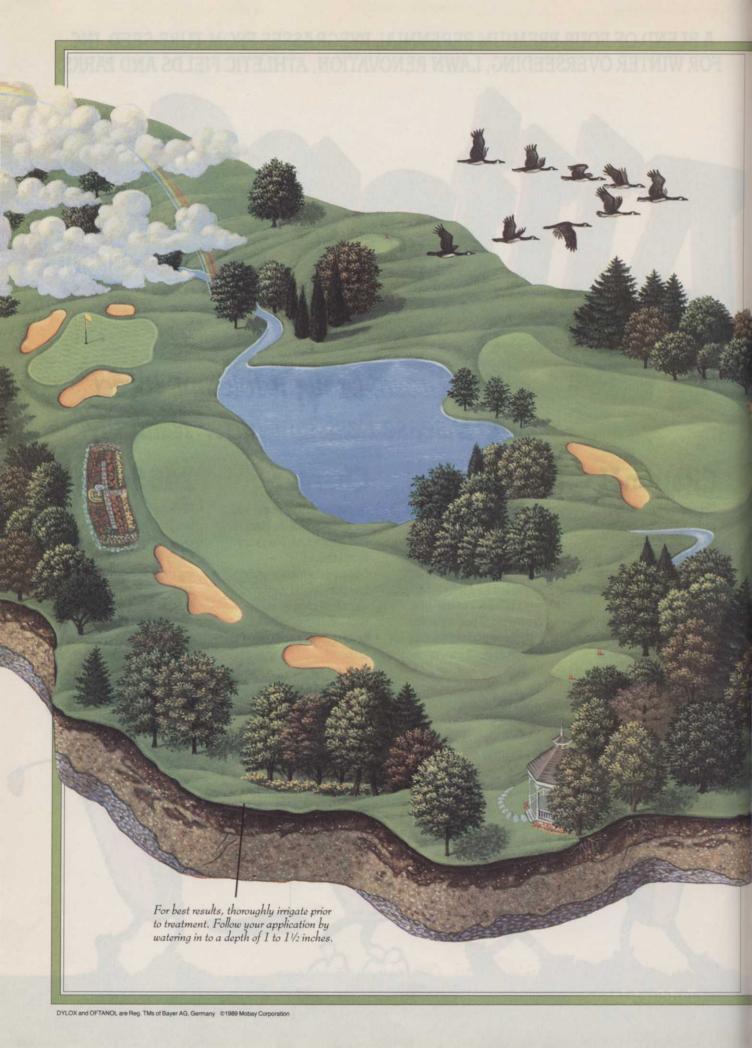
Charger

- Improved resistance to leaf spot, brown patch, stem and crown rust. Tolerance to red thread.
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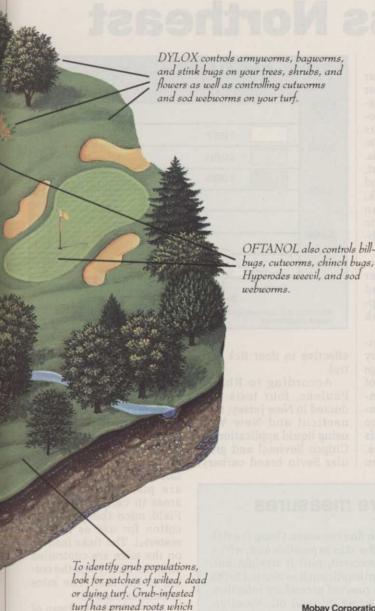
246 Sunrye

- Very dark blue-green colored turf-type variety.
- Dwarfer growth habit than other varieties in overseeding trials in Palm Springs area.
- Improved resistance to leaf spot, brown patch, and stem rust.
- Contains a moderately high level of endophyte to enhance insect resistance.





When you have grub control this effective, you have grounds to celebrate.



make it easy to pull back

like carpet.

Some of the most celebrated courses in the country turn to Mobay products for *grub protection*.

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Or apply a pre-damage application of OFTANOL when grub eggs hatch and activity begins (usually right after a drought-breaking rain in the early fall). But only apply OFTANOL once a year. If you've already used it in the spring, treat with DYLOX® Insecticide.

Of course, if grub damage turns up, apply DYLOX followed by heavy watering. DYLOX controls grubs in as little as 24 to 48 hours.

For more information, contact your Mobay distributor or Mobay sales representative. They can help you make your turf look great. And that makes you look great. Which is cause enough to celebrate.

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GREEN INDUSTRY NEWS

JULY 1990, VOLUME 29, NUMBER 7

LANDSCAPE MANAGEMENT

CONFERENCES

Lyme disease occurrence on rise across Northeast

TARRYTOWN, N.Y. — Last year, 7,400 cases of Lyme disease were reported to the U.S. Centers for Disease Control, 45 percent of them in New York State. This is a marked increase over previous yearly totals: 5,000 reported cases in 1988 and 2,400 in 1987.

Other high concentrations of the disease were found in Minnesota and Wisconsin.

"Lyme disease is the most frequently acquired of all vector-borne diseases in the continental U.S." said Dr. Joseph F. Piesman at a symposium held here in May. Piesman works at the Centers for Disease Control, Ft. Collins, Colo.

More than 200 public health administrators and disease control experts listened to findings of 12 leading research scientists from across the country.

First identifed 15 years ago, Lyme disease has

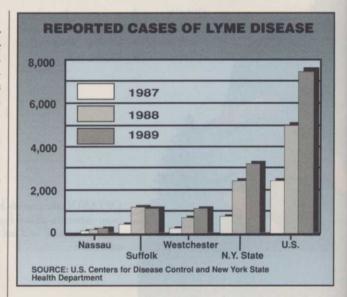
spread to 43 states.

Piesman identified four areas as major habitats for the deer tick: lawns, ornamental planting areas, ecotonal (transitional) areas which divide lawns from wooded areas, and woods.

Results from an August, 1989 survey of land around 66 properties in Armonk, N.Y., showed more than half of all nymphal ticks to be located in wooded habitats.

Piesman suggests homeowners put down a barrier such as mulch, crushed coral or pine needles to separate high and low risk areas.

The Lyme disease symposium was presented by New York Medical College under the sponsorship of Rhone-Poulenc Ag Company. Rhone-Poulenc manufactures the Chipco Sevimol and Sevin brands of carbaryl insecticides, both of which have proven



effective in deer tick con-

According to Rhone-Poulenc, four tests conducted in New Jersey, Connecticut and New York using liquid applications of Chipco Sevimol and granular Sevin brand carbaryl

insecticide showed effective control of adult and juvenile life stages of deer ticks.

Damminix, made by Ecohealth, Inc. has also been effective as a more "surgical" approach to controlling ticks. Cotton balls saturated with permethrin are placed around risk areas in cardboard tubes. Field mice then take the cotton for use as nesting material. The ticks feeding on the mice are controlled after the mice bring the cotton to the nest. The mice remain unharmed.

Dr. Andrew Spielman of the Harvard School of Public Health and Dr. Thomas J. Daniels of New York Medical College listed some common tick carriers: whitefooted mice, dogs, cats,

Lyme disease: preventive measures

If you live in a wooded area or participate in outdoor activities within the range of the deer tick, the New York Medical College recommends the following:

- Wear light-colored clothing;Pull socks over pant cuffs;
- Use an insect repellent containing "Deet" to repel ticks;
- Make frequent body searches for the small nymphal tick.

If bitten by a tick, remove it imme-

diately with fine tweezers. Grasp the tick as close to the skin as possible and, with a steady movement, pull it straight out. Apply an antiseptic such as alcohol to the tick bite to prevent secondary infection.

Do not apply mineral oil, Vaseline, heat or anything else to the tick. Send the tick to your local health department for identification or contact the Lyme Disease Center at New York Medical College: (914) 285-1700.

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