

# Pennfine Perennial Ryegrass.

## If it's got a weakness, nobody's found it. But we have heard about some new strengths.

The Pennfine story gets better as it goes along.

Four years ago, the agronomists at Pennsylvania State University finished their work on Pennfine. And the professional turf community put this remarkable fine-leaved perennial ryegrass to work on golf courses, athletic fields, sod farms, parks, cemeteries and public grounds across the country.



Clean-cutting Pennfine

Other fine-leaved ryegrasses

### The ultimate test.

Now, after thousands of grounds maintenance pros have used Pennfine, nobody's reported a real weakness. All the characteristics the Penn State agronomists

selected for—unsurpassed mowability, excellent disease resistance, exceptional decumbency, persistence under diverse management conditions, fine texture and compatibility with Kentucky Bluegrass—have proven out in the real world. That's the ultimate test.



Dr. Joe Duich of Penn State inspecting a new application for Pennfine: Independence National Historical Park, Philadelphia.

In fact, Pennfine has performed even better in some areas than anticipated. It's proven to be more tolerant to both shade and heat. It's shown excellent rust resistance on the West Coast. And, although Pennfine showed good to excellent disease tolerance in university trials, its disease tolerance appears to be even stronger in actual use.



Pennfine production fields in the Pacific Northwest where a major effort is underway to meet growing demand for seed.

### Increased production.

From the very beginning, there's been only one problem with Pennfine: not enough seed to meet demand. And that problem is just about solved with substantially increased production. We can't make you a flat promise. But, if you order fairly soon, you should be able to get Pennfine seed in the quantity you want.

On the other hand, maybe you're still not convinced. In that case, we'll send you a test kit with enough Pennfine seed for you to develop a 100 sq. ft. test plot. And you can try to find a weakness on your own turf.

Either way, whether you seed Pennfine this year or just test it, we think you'll be impressed by the results.

- WTT-9
- Let me know how I can order Pennfine Perennial Ryegrass.
  - I'm still not convinced. Send me a Pennfine Test Kit.



Name \_\_\_\_\_  
Title \_\_\_\_\_  
Club or Company \_\_\_\_\_  
Address \_\_\_\_\_  
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**Please Note:** The test kit offer is restricted to turf professionals, people whose livelihood depends on the establishment and maintenance of quality turf.

**Mail to:** Pennfine Perennial Ryegrass, P.O. Box 923, Minneapolis, Mn 55440.

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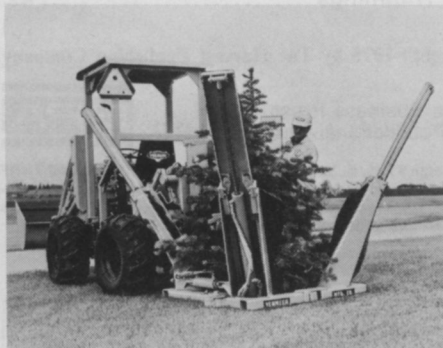
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TS-20—Vermeer mini-spade may be mounted in minutes to your tractor's 3-point hitch. Ideal for moving small trees, bushes. Maximum ball size: 20 in. diameter, 18 in. deep.



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# WEEDS TREES & TURF®

September 1975, Vol. 14, No. 9

**11 Anticipate Disease Problems** — Golf director of the Wheeling West Virginia Park Commission, Ed Murphy, oversees all golf related activities at Ogleby Parks. Murphy's philosophy on maintaining disease and weed-free courses is to anticipate the problem before it arrives.

**12 International Society of Arboriculture: The Second Fifty Years** — International Shade Tree Conference met for the last time August 10-14, 1975. Here's a report on what happened and a look at the new era of the International Society of Arboriculture.

**14 Golf Vehicle Photorama** A picture story featuring some of the available cars and carts. These handy vehicles play an important role around the golf course as well as large industrial turf areas.

**26 Commercial Sod Industry** — American Sod Producers met recently in the Kansas City area. WEEDS TREES AND TURF was there to cover meeting highlights as well as the sod farm tours and field demonstrations.

**28 Good 'n' Cheap** — In a competitive bidding situation where the price is driven lower and lower, a point is reached when the product is no longer a bargain. Elmer Mott, Mott Corp., dedicates this article to purchasing agents everywhere.

**38 Search for a Super Fungicide** — The amount of testing and research necessary to register a product with EPA is staggering. Dow Chemical Co., reports on the tests and successes of a new fungicide, Nurelle.

Editorial .....	6	Guest Editorial .....	28
Government News • Business .....	8	New Products .....	32
Industry News and Newsmakers .....	22	People on the Move .....	36
Meeting Dates .....	23	Classifieds/Ad Index .....	41
Commercial Sod Industry .....	26	Trimmings .....	42

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**THE COVER** — In greenhouse tests, Dow's new fungicide has been effective when used as a drench and a foliar spray. Here a greenhouse worker applies the chemical to plants innoculated with disease organisms.

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Adelphi Kentucky Bluegrass is, truly, the product of many sleepless nights. The nature of bluegrass is such that hybridization can be achieved ONLY AT NIGHT and, there's no telling what time of night will be the right time.

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(Use of this statement does not indicate any  
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Canadian Inquiries: National-NK Seeds Ltd., Box 485, Kitchener, Ont. • Rothwell Seeds Ltd., Box 511, Lindsay, Ont.

Other International Inquiries: Northrup, King & Co., Inc., Minneapolis, Minn. 55413

## Editorial

Committees can get a job done. We are impressed with the shade tree evaluation committee of the International Society of Arboriculture (formerly the International Shade Tree Conference). This committee of L. C. Chadwick, chairman, Spencer Davis, Jr., Ray Gustin, Jr., Frederick Micha and Val Curtis represent the National Arborists Association, the American Association of Nurserymen, and the American Society of Consulting Arborists as well as the ISA.

Their goal is to establish the professional arborist as the accepted authority for property losses concerning trees and other specimen plants. A secondary goal is to increase the maximum homeowner loss from \$250 to \$500 for any individual specimen.

The current situation whereby loss of a tree can be claimed as a casualty loss on an income tax form only if a real estate appraiser determines that the real property is worth less after loss of a tree than prior to the tree loss is ridiculous. In many instances, the loss of a valuable ornamental tree may truly not affect the value of the real estate were it offered for sale. Furthermore, all real estate appraisers

may not be competent in determining the value of a single tree — though their knowledge of real estate worth may be unquestioned.

We believe as does the committee and their sponsoring organizations, that professional arborists should determine the dollar loss, and that the Internal Revenue Service should accept their appraisal of loss.

Also, tree losses which a homeowner may claim via his homeowner policy are even more restrictive. Not only is the \$250 figure maximum, but the policy does not cover value of the tree loss as such, nor its final removal from the property — it includes only that segment which may be abutting or damaging an insured building on the property. Payment is made only to get the tree off the insured structure. In the insurance area, the committee has worked effectively in getting a new section written for the homeowners' policy. It is now in effect for a maximum payment of \$500 per tree on a trial basis in six states.

Besides working with the insurance interests and the IRS, the shade tree evaluation (continued on page 41)

## "We found the BOWIE HYDRO-MULCHER ideal for erosion control and establishment of new turf on the difficult terrain we have here at Sun Valley."

Kenny Zimmerman, Director of Golf and Grounds, Sun Valley Company, Inc., is responsible for the summer maintenance of Bald Mountain's ski slopes, 40 acres of hotel grounds and 105 acres of golf course. He needed a seeding unit that would give quick growing results to prevent soil erosion and yet be completely adaptable to the rugged terrain. He found his answer in the Bowie Hydro-Mulcher.

Whatever your seeding problems, Bowie Hydro-Mulcher has the answer. Get the kind of ground



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cover you want and stop erosion fast. Ideal for landscaping, greens, lawns, roadsides, steep slopes and everywhere. The Bowie Hydro-Mulcher plants, seeds, sprigs, fertilizes, waters, sprays and mulches all in one easy operation. Get the facts and you'll get Bowie Hydro-Mulcher!

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CASORON is also perfect for weed control around all kinds of ornamentals and trees. Use it in parks, beside buildings, along highways, in cemeteries, or almost anywhere to eliminate the need for costly, time-consuming close trimming and mixing. It effectively kills more than 65 perennial and annual weeds without harming ornamentals or sterilizing an area for future planting.



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5-6860



# Government News Business

Peter Loft, president of Lofts Pedigreed Seed, Inc., announces the opening of Loft/New York, 4294 Albany St., Albany, New York. Loft/New York will serve the professional and retail trade of the tri-city area with Lofts line of bulk and packaged seed and lawn care products. The new office will also be the packaging headquarters for Lofts new introduction into the retail flower and vegetable small package seed market.

Vaughan Seed Company has become a dealer for Terra Tack, an erosion control binder for hay, straw, and wood fiber mulch. Vaughan, a division of Vaughan/Jacklin Corp., will be stocking Terra Tack from their Bound Brook, New Jersey, Landover, Maryland and Downers Grove, Illinois (home office) divisions.

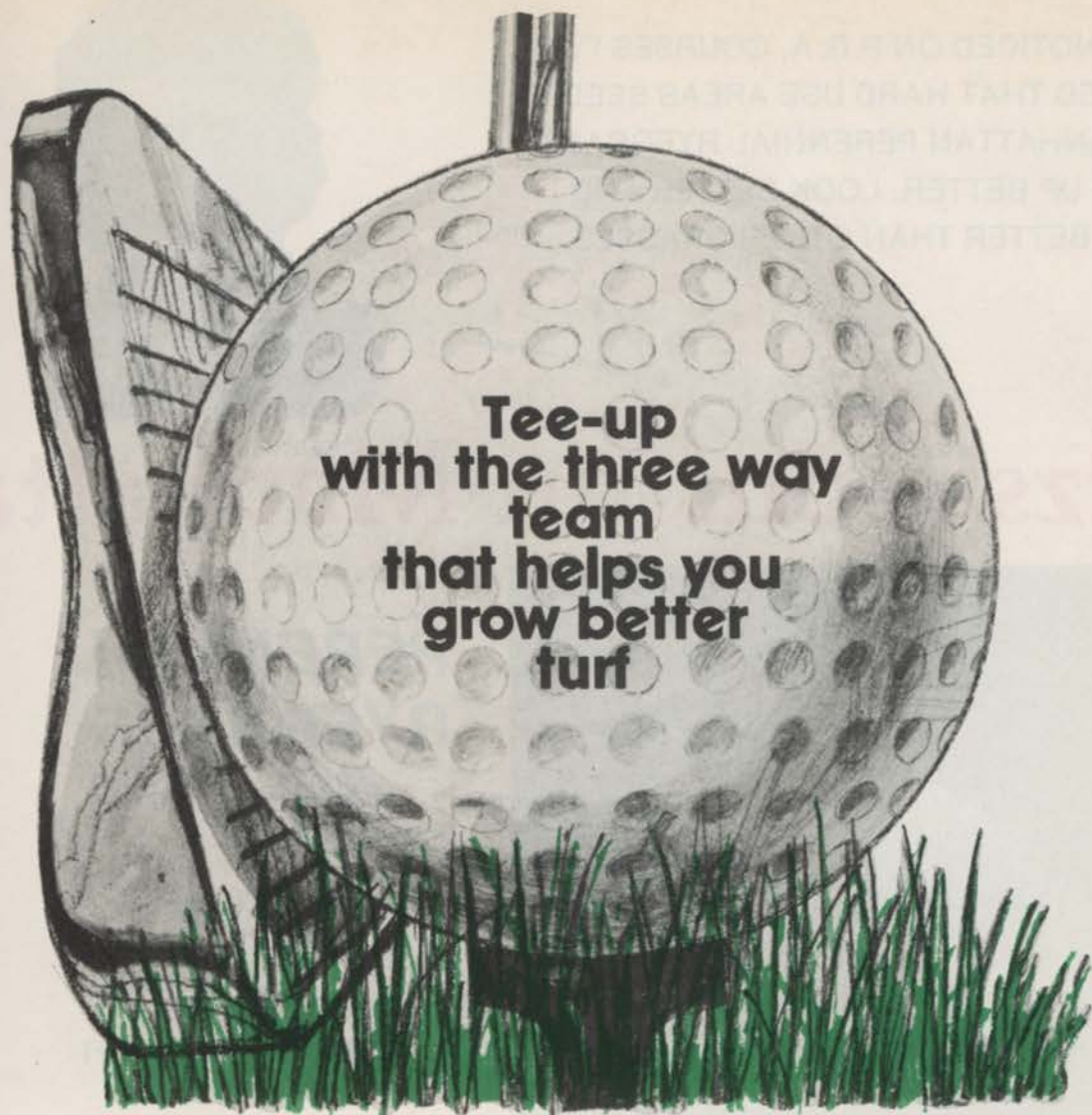
Metasystox-R Inject-A-Cide Applicators recently received EPA registration for use on seven species of trees to control eleven insect pests. This means that Inject-A-Cide can now be shipped to any of the fifty states as the J.J. Mauget registration is completed in each state.

USDA has informed Velsicol Chemical Corp. that it has intervened in the public hearing of EPA's "notice of intent" to suspend chlordane and heptachlor. USDA will produce some 20 witnesses submitting evidence on the safety, benefit and need for these pesticides, according to Robert M. Morris, president of Velsicol. Included among the witnesses will be agricultural experts, entomologists, and toxicologists who will present data in support of continuing registration for chlordane and heptachlor.

"Our major concern is...that the facts concerning EPA's allegations of 'imminent cancer risks' be scrutinized by unbiased scientists," said Morris. "The emotional scare response to the word 'cancer' cannot be permitted to cloud scientific inquiry and to impede sound scientific judgement of the issue."

EPA recently notified producers, formulators, distributors and registrants of pesticides that applications for supplemental registration by distributors postmarked on or after August 4, 1975 must be submitted on the new EPA Form 8570-5. The Agency says that: (a.) One form must be submitted for each distributor and (b.) The distributor involved must sign the form. It will not, however, be necessary for those distributors with previously accepted registrations to re-apply on the new form.

Carl Reed Gerber has been named Associate Assistant Administrator EPA's Office of Research and Development. In his new post, Gerber will share responsibility with Wilson Talley for the planning, programming, policy implementation, management, direction, and control of technical and administrative aspects of the Research and Development program.



## KERB<sup>®</sup>, FORE<sup>®</sup> AND TRITON<sup>®</sup> CS-7

Three proven products from Rohm and Haas to make your job a little easier and your course or grounds more attractive. KERB 50-W herbicide stops *Poa annua* in Bermudagrass, can be applied anytime from pre-germination to seed formation. FORE fungicide protects turf and ornamentals from a wide range of fungus diseases including Brown Patch, Fusarium blight and certain other damaging diseases of turf. TRITON CS-7 wetting agent has been shown useful in removing dew from greens, and as an aid in increasing water penetration. Ask your chemical supplier for additional information on teaming up these products this year.

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AND  
HAAS**   
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"I'VE NOTICED ON P.G.A. COURSES I'VE PLAYED THAT HARD USE AREAS SEEDED IN MANHATTAN PERENNIAL RYEGRASS HOLD UP BETTER, LOOK BETTER AND PLAY BETTER THAN OTHER GRASSES. . ."

*Patuk Fitzsimons*



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## PERENNIAL RYEGRASS

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Manhattan Perennial Ryegrass was selected and developed by Dr. C. Reed Funk, Rutgers University. Manhattan develops a uniform dark green leafy, dense turf with leaf blades as fine as many Kentucky bluegrasses.



Pat Fitzsimons, in winning the Glen Campbell Los Angeles Open at Riviera CC, Calif., Feb. 20-23, set a new course record of 64 for a single round and tied Ben Hogan's record for this event. Fitz, above, tees off on the No. 1 Manhattan tee at Salem Golf Club course, Salem, Ore., where he previously tied the world record score of 58 on a 6,000 yard course.

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