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Pennfine ...



Other
fine-leaved
ryegrass

These two fine-leaved perennial ryegrasses were cut with the same mower. The one on the right shows the fibrous "paint brush" top which is characteristic of ryegrasses. Pennfine, on the left, took a smooth, even cut because it was bred for softer, easier to cut fibers.

Pennfine: the clean-cut perennial ryegrass.

All the new fine-leaved perennial ryegrasses are beautiful. Until the mower comes along. That's the moment of truth for ryegrass. And Pennfine is the fine-leaved perennial ryegrass bred specifically for mowability. You can see the clean-cut look of Pennfine in the photo above. You'll see it in your turf, too.

Pennfine vs. other fine-leaved ryegrasses

Developed and released by Pennsylvania State University, Pennfine is the best of the fine-leaved perennial ryegrasses. That's

the finding of the trials at University Park, Pennsylvania. Among nine cultivars, Pennfine ranked first in texture, first in density, first in decumbency (low growth), first in tolerance to snowmold and leaf spot. And, of course, first in mowability.

Pennfine mows 'em down

The remarkable mowability of Pennfine — the result of breeding specifically for soft fibers — is demonstrated in the above photograph. It was also proven by the University Park trials. Over a five-year period, Pennfine

averaged 8.3 (of a possible 10) in mowability. The next best score was 7.3, and the other cultivars rated considerably lower.

With the finest blade of all the fine-leaved ryegrasses tested, Pennfine is beautiful to begin with. And, because of superior mowability, it stays beautiful. It's also highly compatible with Kentucky Bluegrass, both in terms of appearance and management requirements. If you'd like more information on this clean-cut perennial ryegrass, just send in the coupon.



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Please send me technical information on Pennfine Perennial Ryegrass. Names of Distributors.

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WEEDS TREES and TURF

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James A. Sample
Editor

Hugh Chronister
President

Arthur V. Edwards
Publisher

D. D. Langley
Director of Circulation

ADVERTISING SERVICES

Darrell Gilbert
Advertising Production Manager
9800 Detroit Ave.,
Cleveland, Ohio 44102
Tel. 216+651-5500

ADVERTISING SALES OFFICES

Headquarters
Cleveland, Ohio 44102
9800 Detroit Ave./216+651-5500
Ext. 27

New York, New York 10017
757 Third Ave./212+421-1350
Russell Bandy

Cleveland, Ohio 44102
9800 Detroit Ave./216+651-5500
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"Serving The Green Industry"

What Do You Do With A Used Strip Mine? 10

Strip mines have left ugly scars on the face of the countryside for many years. Now developers are turning these scarred areas into golf courses and recreational facilities.

Lifelines To Compsite Hidden From View 12

How do you keep the natural look to campsites yet still provide the utilities? Missouri's Silver Dollar City buried the utility lines. Read how it was done with a R65 Ditch Witch trencher.

Commercial Pesticide Applicators On The Move 14

A report of the International Pesticide Applicators Association annual meeting. Corporate secretary Lew Sefton of Lake Oswego, Oregon is the author.

From Common Laborer To Foreman In 3 Months 18

Here's a report from a young man in the Green Industry who is expressing his appreciation for the training he is receiving. His expressing his appreciation for the training he is receiving. His Ohio State University through the Agricultural Technical Institute, Wooster, Ohio.

Agronomist Dr. Orvid Lee Talks Herbicides And Seed 22

USDA agronomist Dr. Orvid Lee stationed at Oregon State University is considered an authority on the multi-million dollar seed industry. His work in developing new methods of weed control using activated charcoal and Karmex adds a new dimension to the weed science industry. Dr. Lee explains this technique and his relationship to the seed industry in this question and answer interview.

Shade Trees, Symbols Of Freedom 25

A report on the International Shade Tree Conference which recently held its 49th annual meeting in Boston, Mass.

Irrigation University - Teaching Industry The Fundamentals 28

Up to recently, the growing field of turfgrass irrigation has been stymied by lack of people who know enough about an underground automatic irrigation system. Industry, and more specifically the Toro Company, is doing something about this. Toro has developed an industry-wide irrigation school to teach and train men for this important field.

The Labor-Saving Plant Food 36

Dr. Robert W. Schery, director, The Lawn Institute, reports on a small scale study of ureaform fertilizer and fast release fertilizer.

Tyson's Corner Happening Draws 120,000 People 42

It started out as an idea. But it grew into a "happening." Area firms surrounding metropolitan Washington D. C. brought their services to the people at a shopping mall on a recent Saturday. Result: keen interest and plans to repeat the performance at another mall.

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The Cover

Active association participation makes for a strong Green Industry. Our cover this month shows members of the International Shade Tree Conference enjoying fellowship at a barbeque during the 49th annual meeting. For a report on the meeting see page 25.

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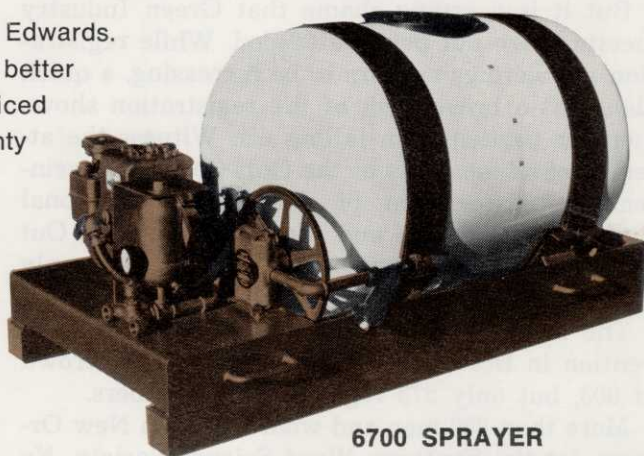
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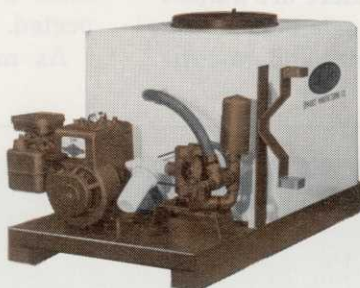
Edwards uses only fiberglass tanks because fiberglass is light, strong and won't rust. We've eliminated pulsation problems with two bladder-type accumulators — standard on all piston-type models.

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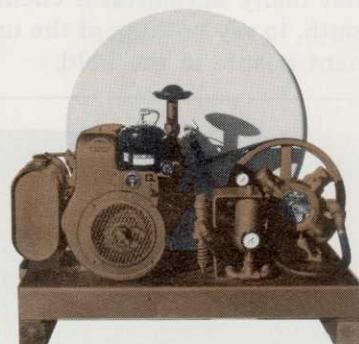
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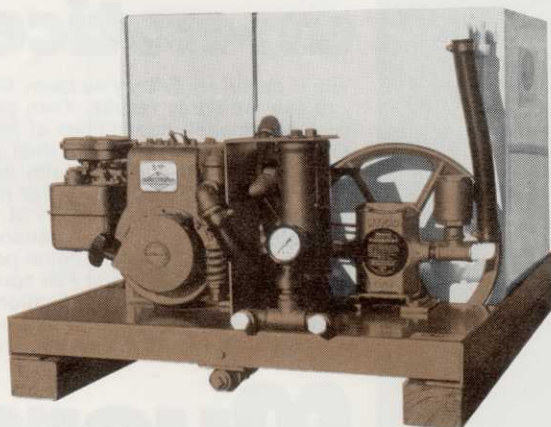
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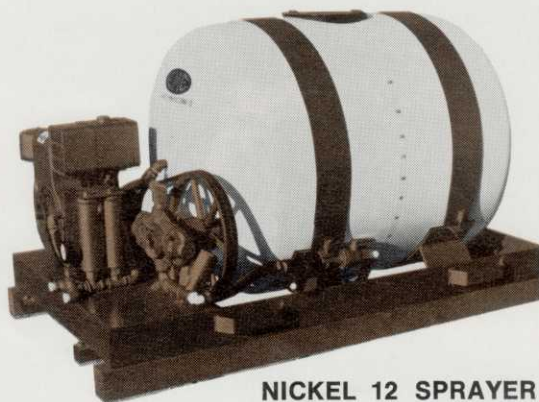
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Editorial

We're winding up attending this year's meetings of national associations. They've been quite enlightening. Golf course superintendents, weed control specialists, tree care firms, sod producers and others have found common interests, common problems and common solutions through industry associations.

But it is a crying shame that Green Industry meetings are not better attended. While registration at meetings appears to be increasing, a quick glance at a breakdown of the registration shows member participation falling off. Witness the attendance of members at the Golf Course Superintendents Association of America international turfgrass conference and show, for example. Out of a total 4216 registrations for the meeting, only 1198 were actually members of the association.

The International Shade Tree Conference convention in Boston this year drew a record crowd of 903, but only 573 registered as members.

More than 800 men and women met in New Orleans for the Southern Weed Science Society. No one knows how many could have made the meeting, but it is safe to calculate that there are almost that many agricultural chemicals salesmen in the south, to say nothing of the university and government people in the field.

A Name Tag With No Name

The International Pesticide Applicators Association, the national group for contract applicators, met in Berkley, California for their national meeting in August. Only about 100 members attended the meeting. If you considered all the commercial applicators in California, as candidates for attendance, the registration could have been well over 1,000.

Other meetings and poor attendance records could be cited as the story is the same in nearly every national Green Industry association. Not one of these associations can boast an attendance figure at an annual meeting of greater than 40 percent. Where are the majority of the members? Where is the interest they once had when they joined the association? In short, who has dropped the ball?

We submit that fault doesn't lie solely in the camp of the association officials and convention planning committee. We've been to the meetings and seen the dedicated efforts and the excellent programs which these men and women have assembled. We've also seen the look on those people's faces when registration falls well below that expected.

As members of associations we have the re-
(continued on page 38)



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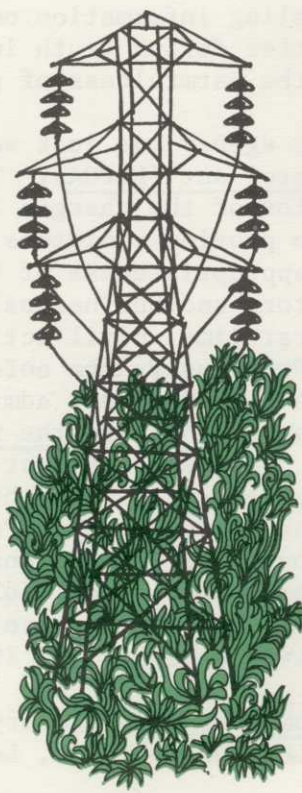
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Government News / Business

Pyrethrins may no longer be classified as "non-toxic to pets and humans," says the Environmental Protection Agency. Under a regulation change, EPA has ruled that although pyrethrins are among the least toxic of insecticides on the market, they do have toxic effects on laboratory animals. The ruling was brought about through public hearing in early August. At that time about 30 comments were received by EPA. Manufacturers were opposed to the change. Public officials and consumer interest groups were in favor. Change is in force for anyone seeking a new registration. For manufacturers with products on the market, a deadline of Dec. 19 has been set to submit labeling information omitting the non-toxic claim. Overall action was brought to better define truth in labeling. EPA said that no new scientific data was submitted on the harmfulness of pyrethrins.

More on EPA....The agency has just set interim rules for civil violations of the 1972 Pesticide Control Act (FEPCA). The rules establish a mechanism for notifying an alleged violator of the charges against him and of the proposed amount of the penalty. They also provide violators the opportunity to request a hearing on the charges or on the appropriateness of the penalty. Maximum civil fine is \$5,000 for commercial applicators and businesses. Private applicators are subject to a written warning the first time, civil action thereafter. Civil action represents a new lever for EPA. Previously, the enforcement program involved criminal actions. Actually, EPA now has both. Regional administrators will be responsible for bringing civil actions to bear. What are the rules? 1. An alleged violator has 20 days in which to respond to charges or request a hearing. Otherwise he will be considered as admitting to the charges and waiving his right to a hearing. 2. If a hearing is requested, it will be conducted by a Federal administrative law judge who will make an initial decision. The EPA regional administrator who initiated the action will issue a final order. An alleged violator can request another hearing or a reconsideration or he may appeal the case to the U. S. Court of Appeals. The interim rules became effective September 20, 1973.

Agrico Chemical Company, a subsidiary of The Williams Companies, Tulsa, Okla. has been purchased by Lebanon Chemical, Lebanon, Pa. for an undisclosed amount.

Questions on pesticides and the environment will be answered on October 24 in the first nationwide "Pesticide Dial-ogue." It's sponsored by the Council of Agricultural Science and Technology (CAST) through a grant from the National Agricultural Chemicals Association. Calls will be received from 10 a.m. to 4 p.m. Central Time. TOLL-FREE number for use anywhere in the continental U. S. except Illinois is 800-621-4232. In Illinois, dial 800-972-8309.

"All About OSHA" is a new booklet published by the Department of Labor. It satisfies the questions who, what, where, when, why and how about OSHA and summarizes the role of the various states in implementing the law. The back cover is an advertisement for the OSHA magazine, "Job Safety & Health." A one-year subscription is \$4.50 payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402. Expect delays up to six months or more before the magazine arrives. Order OSHA booklet from Department of Labor.



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The first time a turf expert sees Fylking and he gently tests the turf, lifts a swatch and examines the root system, and closely scrutinizes the low-growing, 90-degree side angled leaves, please notice the subtle smile that crosses his face. This is the countenance of the wine connoisseur who has wet his lips with classic vintage, the man who recognizes the truly classic beauty of the Venus de Milo, the research agronomist who has spent years seeking the perfect turf and now views Fylking. Once he has, he wants to know more about this obviously elite Kentucky bluegrass. This man will appreciate knowing Fylking has received overall superior disease-resistance ratings from every major university and institution where tested for leaf spot, stripe smut, stem rust and leaf rust. When he examines the technical brochure he will smile again. Fylking is not perfect, but it's the closest of any. Fylking. It's a name you can't forget.



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Developers of Wee-Ma-Tuk first saw the area (above left) as an abandoned strip mine. That was in 1957. Today it is a course characterized by lush rolling fairways and surrounded

by homes (above right). Larry Brickel, course superintendent (inset) has made plans for a new tee for the 4th hole.

What Do You Do With A Used Strip Mine?

A STRIP MINE five miles north of Cuba, Illinois, served as evidence of the ugly scars our demand for natural resources can leave on the countryside when it was abandoned in 1957. Today, this same strip mine serves as evidence that man can live in harmony with nature.

In fact, the owners of Wee-Ma-Tuk Hills Golf Club and Development have made an all out effort to give nature a helping hand whenever possible.

To begin with, Wee-Ma-Tuk displays an eighteen hole golf course carefully sculptured between abandoned strip mine pits. The golf course alone makes it difficult to tell this was ever an eyesore. However, a conscientious conservation program which includes stocking the area with quail, pheasant and chukars, has further transformed Wee-Ma-Tuk into a pleasant retreat.

The progressive thinking that brought Wee-Ma-Tuk into being must be attributed to the men who invested their time and resources into its development. These men are currently officers in the Wee-Ma-Tuk Hill Corporation. However, credit for the beauty and condition of the golf course goes to Larry Brickel, course superintendent. Larry came to Wee-Ma-Tuk in February of this year and with him he brought not only his professional abilities as a golf course superintendent, but also a willingness to face a challenge.

One objective Larry has set for himself is to make an already attractive course even better. The varied terrain in and around the mine pits offers interesting possibilities.

"I'd like to use the surrounding contours to make the course even more aesthetic as well as challenging," relates Larry. "My present plans are to change number four fairway and put the tee up on a hill left from mine excavations. The hill is about 30 feet high and this would give our golfers an excellent chance to take a breather and view most of the course."

A "Brickel tour" around the course is all you need to see why this 26-year

(continued on page 40)