

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.

- 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 _____

City _____ State _____ Zip _____

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.



WTT-1

Sometimes a Rain Bird sprinkler isn't what you need.

For 42 years we've been telling you to use Rain Bird sprinklers. Now we're telling you not to. Because for some applications, there's something even better.



It's our new Horticultural Trickle Irrigation System. Designed to perform effectively and economically where other systems can't.

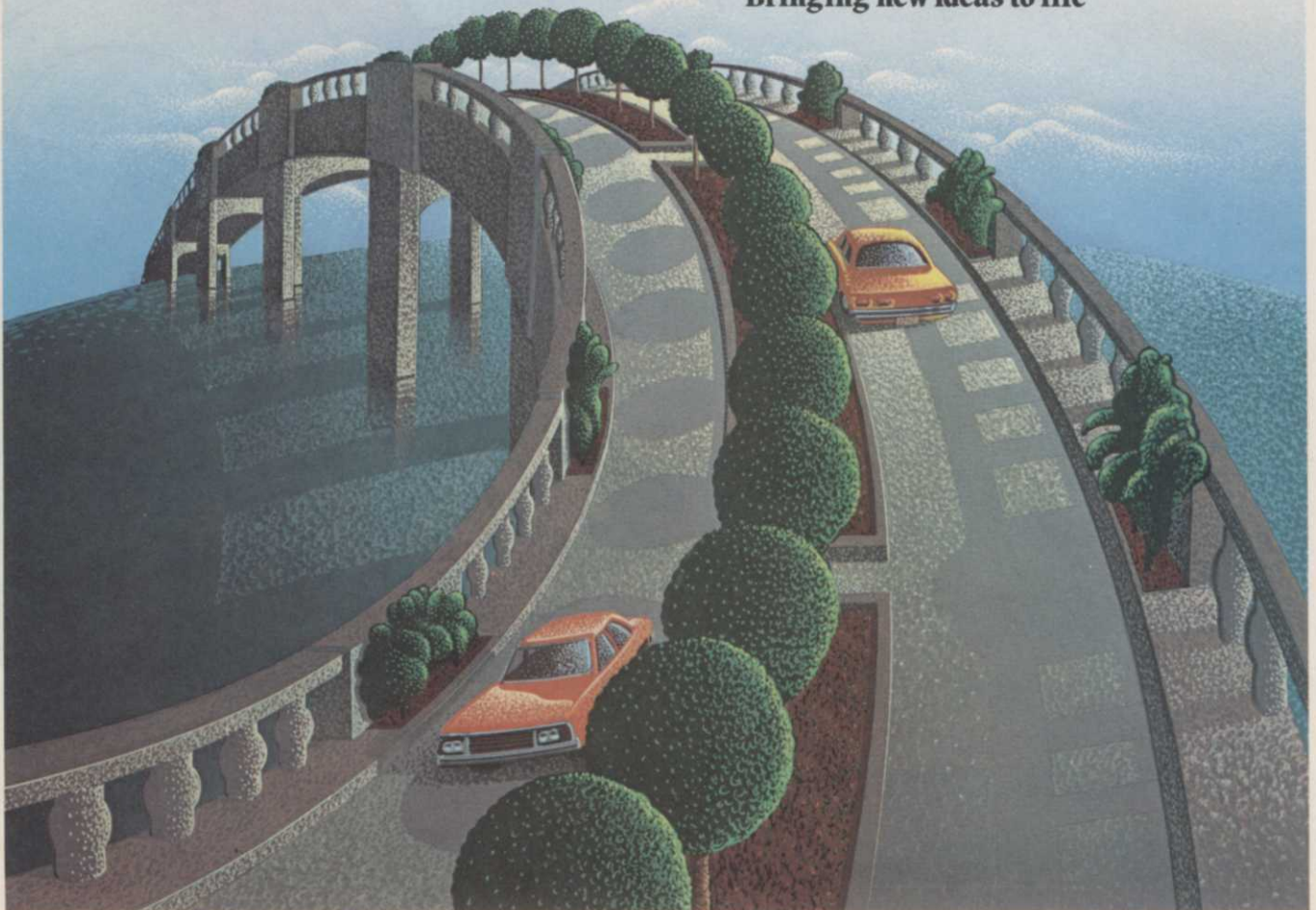
In remote planting beds, for instance. In shopping malls and on median strips. In hanging baskets and even on bridges. Anywhere aesthetics are important and economics are critical.

The root of the matter. Slow, continual watering of root zones is what our Trickle System is all about. It assures positive plant response and the most efficient use of water with no erosion or run-off. In addition, by minimizing wetness of soil surfaces and plant foliage, many insect, disease, weed and fungus problems are reduced. All without spraying walkways or otherwise interrupting the look of your landscape.

To find out what our new Trickle Irrigation Systems can do for you, call your Rain Bird distributor or write Rain Bird, 7045 North Grand Avenue, Glendora, CA 91740.

Do it today. And keep your landscaping ideas alive.

RAIN BIRD[®]
Bringing new ideas to life



Sometimes a Rain Bird
sprinkler isn't what you need.

THE 44-INSECT INSECTICIDE.



WILDS TREES TURF

January 1976 Vol. 12 No. 1

PUBLISHED MONTHLY BY THE LARGEST PUBLISHING CO. IN THE WORLD

For trees, ornamentals, and turf.

One solution versus 44 problems. Those are pretty good odds.

Especially since you can't always be sure which insects will threaten the valuable trees, turf and ornamentals you protect. And people enjoy.

This broad-spectrum control with SEVIN® carbaryl insecticide takes some of

STOP! ALL PESTICIDES CAN BE HARMFUL TO HEALTH AND THE ENVIRONMENT IF MISUSED. READ THE LABEL CAREFULLY AND USE ONLY AS DIRECTED.



the chance out of your job.

Its versatility also lets you cut down on the need for a large chemical inventory.

Why use an array of different brands with different instructions, if you can do the job effectively with a single product? You'll enjoy less nozzle changing, chemical switching and tank flushing. All good reasons to rely on dependable SEVIN.

Use it in any of its available forms to suit your needs - choose from wettable powders, flowables and liquid SEVIMOL® 4.

And SEVIN is compatible with many commonly used fungicides, miticides and other insecticides.

With the increased awareness and concern for protecting the environment, it's nice to know that SEVIN is biodegradable.

And, when compared with many other insecticides, SEVIN ranks low in toxicity to people, animals, birds and fish.

PLANTS	INSECTS CONTROLLED
HERBACEOUS PLANTS carnation, chrysanthemum, gladiolus, iris, peony, zinnia, etc.	blister beetle, boxelder bug, flea beetle, Japanese beetle, June beetle, lace bug, leafhopper, leafroller, mealy bug, plant bug, psyllid, rose aphid, thrips (exposed).
SHRUBS, TREES AND WOODY PLANTS ash arborvitae, azalea, barberry, beech, birch, boxwood, catalpa, cedar, cypress, dogwood, elm, euonymus, ginkgo, hackberry, hawthorn, holly, honeysuckle, hydrangea, juniper, lilac, magnolia, maple, oak, pine, redbud, rose, tulip-tree, etc.	apple aphid, bagworm, birch leaf miner, boxelder bug, boxwood leaf miner, cankerworms, catalpa sphinx, Cooley, Eastern spruce gall aphid, elm leaf aphid, elm leaf beetle, elm spanworm, eriophyid mites, gypsy moth, Japanese beetle, June beetle, lace bugs, leafhopper, leafroller, mealy bug, oak leaf miner, orange tortrix, periodical cicada, pine sawfly, puss caterpillar, plant bug, rose aphid, roselug, scale, spruce gall aphid.
LAWNS, TURF	ants, chinch bugs, cutworms, earwigs, fall armyworm, fleas, leafhoppers, millipedes, mosquitoes, sod webworms (lawn moths).

NOTE: SEVIN will injure Boston Ivy, Virginia Creeper, and Maidenhair fern.

Make a quick check of the plants and insects for which SEVIN carbaryl is registered. See how many problems it can solve for you.

Then ask your chemicals supplier about SEVIN - the insecticide with over 18 years' experience in effective pest control.

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18 BAD YEARS FOR BAD INSECTS.

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WEEDS TREES & TURF®

January 1976, Vol. 15, No. 1

16 TURF PEST CONTROL — EPA has created some rules and regulations concerning the use of specific chemicals that are being questioned by many Green Industry experts. Clemson University entomologist D. K. Pollet reviews the effects of EPA action on the turfgrass manager and his use of pest controlling chemicals.

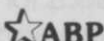

22 Big Business in Ohio — Here's a report on December's Ohio Turfgrass Conference and Show. It was the largest and possibly the best showing ever for the Ohio Turfgrass Foundation as some 1,170 persons registered for the event.

26 Future Superintendent — The modern turfgrass manager faces a technical revolution. Turfgrass culture is becoming less of an art and more of a science as equipment becomes more sophisticated and chemicals more specific. J. D. Butler, associate professor, Colorado State University, takes a philosophical approach to the future and makes some interesting predictions.

36 Industry News — Stately Elm Returns. . . . Suggested Buying and Selling Standards for Nurseries . . . "Bad Green Syndrome". . . . GCSAA Preview. . . . Pine Needle Scale Control. . . . Japanese Beetle Parasite Discovered in Northeast.

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THE COVER — 1976 isn't the only thing new this time of year. Many new products are being tested in preparation for marketing like this new tow-behind sod harvester.

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Jack Fannin
Superintendent
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Hartsville (Cleveland),
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"Jobe's Spikes are clean and easy to use. They're a great time saver, so they're a money saver, too. Even inexperienced help can feed trees fast with Jobe's. There are no bags to lift or ingredients to mix. No drilling.

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A burst of brilliance... Fylking for the World's Fair!

Fylking Kentucky bluegrass is a superior, elite bluegrass that burst like a star on the scene in the sixties!

Since then Fylking has established records making it the perfect choice for the official grass at the environmental World's Fair, Expo '74.

Fylking has proven to have superior resistance to disease and drought; withstands traffic. Its thickly woven rhizome root system develops dense sod so quickly Fylking can be lifted in 90 days. Fylking can be mowed at 3/4 inch (even 1/2 inch) and thrive. It absorbs carbon dioxide pollutants, gives off oxygen, cools air by releasing water vapor.

A superior mixer, Fylking greens up earlier in spring, stays greener in summer heat, remains green longer into fall.

Choose Fylking and your customers are getting a grass good enough for a World's Fair!



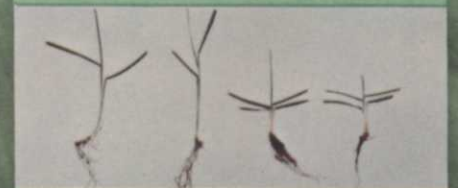
FYLKING KENTUCKY BLUEGRASS

U. S. Plant Patent 2887

Another fine product of Jacklin Seed Company



Fylking's rhizome root system develops so thickly, under ideal conditions sod can be lifted in 90 DAYS.



Low growth, short leaf sheaths and abundant tillering of Fylking (right) compared with another elite bluegrass plant.



Cross section displays thick, luxuriant turf, fine leaf texture and brilliant green color of Fylking.