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You’re faced with a lot more than one or two turf disease problems. That’s why you need the DuPont TERSAN program. It gives you protection against just about every disease your course will ever encounter.

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Mr. Sod Retires

He taught them what quality sod was. He always had plenty of time to go around for anybody who needed help. He was the father of the sod certification law. He sodded the infamous Watergate complex in Washington. He was the first man in the country to produce certified sod. No matter what he was asked, his motto always was: “I’ll be glad to.”

Call him “Mr. Sod,” “Mr. Grass,” or “Mr. Turf.”

Parker Shirling.

He came from Missouri to Maryland to start Princeton Turf Farms in 1964 and the first pallet of sod came off the ground in 1965. And they were all there recently to honor him. Over 200 people he had worked with came from all over to the Hilton in Annapolis, Md., to honor him as he announced his retirement at 67.

Eugene Roberts of nearby Fairway Turf Farms gave the toast: “He said we had to have quality sod and sod guidelines to protect the consumer — and it has upgraded the sod producer as well.”

Dr. Elwyn E. Deal, assistant director of the University of Maryland Cooperative Extension Service: “There has never been a person more unselfish than Parker; he was always ready to jump in his station wagon and go to a meeting or wherever else he was needed.”

Dr. William Mitchell, turf specialist at the University of Delaware: “When we heard Parker was retiring, we took a vote and decided to close the whole place down. Even the grass around Agriculture Hall turned a little bit brown.”

Ray Gustin, Gustin Gardens, representing the Associated Landscaping Contractors of America: “Whenever somebody asked him to do something, he always said ‘I’ll be glad to.’”

Jim Fisher, representing the Maryland Turfgrass Association: “We’ve had about 120 meetings since he helped form the association and he has been to about 110 of them. He pioneered quality turf in Maryland and the country.”

Jack Kidwell, Kidwell Turf Farms, Culpeper, Va., representing the American Sod Producers Association: “He is the first sod producer to earn honorary membership in ASPA.”

Emory Pattin of the Maryland Turfgrass Council: “He made the turf industry sit up and take notice of the changing times; he made the industry better for all of us.”

Angelo Cammarota, representing the Mid-Atlantic Association of Golf Course Superintendents: “The greatest tribute to any man is to be accepted by his peers, and that is what is going on here tonight.”
A new natural team, Glade Kentucky bluegrass and trees! Glade performs well in moderate shade, especially when mixed with fine fescues. A selection from Rutgers University (tested as P-29), Glade is an improved, low-growing, medium to dark green grass with fine leaf texture and thick, rapid-growing rhizome and root system. Glade has good resistance to important turfgrass diseases including powdery mildew.

Like boys and trees, Glade and shade go together. Mixed with other elite bluegrasses and fine fescues in moderate shade, Glade is a natural.

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For trees, ornamentals, and turf.
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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 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.

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carnation, chrysanthemum, gladiolus, iris, peony, zinnia, etc.

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**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.
Broad spectrum Daconil 2787 fungicide controls nearly all of the fungus diseases found on golf greens, tees and fairways, as well as many ornamentals. And now it is available in convenient flowable or wettable powder form.

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Bob Felix, executive secretary of the National Arborist Association, is a one-man, traveling tree show. If you need to know something about the tree care industry, he probably has the pertinent and most up-to-date information right there in his briefcase, or he probably talked to the number one person in that subject area within the last week either by phone or in person.

He is straight and to the point, and you know where he is coming from after 21 years in the tree care business before becoming executive secretary of NAA. He is excited about the tree business and where it is headed in this bicentennial year, and he stopped by offices of WEEDS TREES & TURF a few weeks ago to talk about what NAA is doing and where it is going.

“We have established a working relationship with the Environmental Protection Agency and the Occupational Safety Health Administration,” he said. “NAA has been recognized as a spokesman for the shade tree industry, and this dialogue is very important. It enables the industry to have a voice in forthcoming regulations from Washington and on state levels.”

The committee structure of NAA is strong. Its utility committee is working on developing a forum for exposing common problems of utility tree trimming. The standard practices committee is revising and determining new needs for additional standards of the industry. The safety committee is preparing slide programs on the correct and safe way to carry out tree care work to be shown to employees.

The NAA has participated in and is supporting shade tree evaluation guideline (see May issue). Also, the bicentennial tree program being pushed by NAA is a way to put arborists on the map and get recognition for the tree industry. “After all,” Felix said, “trees are the only living witness to the Revolution.”

Audiometric testing standards to come down from OSHA is another area that will be in the news in months to come. “What are chipper and chain saw companies doing about these impending standards?” Felix asked. “What kind of impact will there be?”

“Our long-range goal is to increase our membership by becoming broader in some areas, enlarge our relationship with EPA, OSHA, and other government agencies, and pursue our relationship with other organizations and associations in the green industry,” he said.
Pine Beetle Battle in Denver

Residents of mountain areas must learn to manage the forest, or give in to the mountain pine beetle.

The many Denver people who fled the hectic life during the last five or 10 years in favor of the slower and more relaxed pace in new mountain homes forgot to ask about one of their neighbors—the mountain pine beetle.

When hundreds and thousands of people moved up into their new homes in mountain valley subdivisions or onto their two or five acres further on up, they brought many changes with them. Along with the new homes came better fire protection. And because of that, trees are now growing where they’ve never grown before in such numbers.

Also new homes and roads routed runoff and isolated trees from their normal supplies of water and nutrients. Other roads were packed down over tree roots. Many trees had much of their root systems severed. And with such an increase in tree numbers, the competition between them weakened them all.

Weakened and overcrowded trees are most susceptible to mountain pine beetle destruction, so man created a situation that was ripe for a full-blown beetle infestation. And that’s exactly what developed.

Drive up through those residential areas today and you’ll see mountain sides checkered with pockets of beetle-killed ponderosa pine. The problem is especially serious in residential and recreational areas because the trees there are worth considerably more than if they were in a remote commercial forest.

Because they are in residential and other developed areas, the International Society of Arboriculture says each tree is worth up to $10 for every inch in diameter. That’s an investment homeowners can’t afford to overlook.

What’s being done to stop the beetle? The state of Colorado, along with the U.S. Dept. of Agriculture (USDA), is spending about a half million dollars each year on suppression. Colorado itself had an active control program underway. In that program, infested trees are cut down, stacked in the sun and covered with plastic tarps, then fumigated with ethylene dibromide (EDB) — one of two chemicals labeled for use on the pine beetle, says Ken Lister, a USDA Forest Service entomologist in Denver.

Lister, along with Bob Averill, another USDA entomologist, are both involved with USDA projects aimed at controlling the threatening pest. Presently they are working with a formulation of Sevitol 4 carbaryl insecticide. Called “Pine Tree And Ornamental Spray,” the product is formulated and distributed by Balcom Chemical Company in Greeley. Balcom, an agricultural chemical distributor, has a Colorado state registration for use of the material as a preventive spray to control pine beetle. It is the only product currently registered for such use. Union Carbide, Salinas, Calif., manufacturer of Sevitol, hopes to have the insecticide federally registered for control of mountain pine beetle in the near future.

Lindane is also being used against the beetle. It is applied to infested trees as the beetles are leaving them but before they can reach and kill another tree. But both lindane and EDB are being used for direct control. Neither of them are registered for use as a preventive spray for mountain pine beetle. Outside of work by government agencies, homeowners themselves also are actively involved in trying to stop the spread of the mountain pine beetle. A number of forestry cooperatives have sprung up in these new residential areas. And many of these coops are also getting federal-state cost sharing assistance — from 30 to 50 percent of the cost of control being repaid.

But Lister points out that much of the beetle problem could be solved by forest management. “If a
One early application of Broad-Spectrum TREX-SAN™ will kill the weeds that plague you now, thus also preventing their seeding and re-appearance next year. TREX-SAN combines the unique weed-killing properties of 2,4-D, MCPP and DICAMBA — their synergistic action in TREX-SAN provides the safest, most effective single herbicide known. We’ve seldom found a broadleaf weed TREX-SAN won’t control. Yet it provides an extra tolerance of safety to fine turf and ornamental plantings when applied as directed. A single gallon of TREX-SAN treats four full acres to save you money ... Single applications in spring and fall save you time ... in achieving complete weed control. Order TREX-SAN from your Mallinckrodt distributor today.
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