Control 15 major turf pests with versatile SEVIN® carbaryl insecticide.

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You can end the misery with SEVIN carbaryl insecticide. And protect the turf you manage from as many as 15 different problem pests.

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Broad registration only starts the list of SEVIN benefits.

It’s also compatible with many other commonly used insecticides, miticides, fungicides and foliar nutrients. And residents can resume using the grounds or yard as soon as the spray dries.

There’s a choice of

STOP! ALL PESTICIDES CAN BE HARMFUL TO HEALTH AND THE ENVIRONMENT IF MISUSED. READ THE LABEL CAREFULLY AND USE ONLY AS DIRECTED.
four formulations—sprayable, wettable powder, flowables and SEVIMOL® 4, a liquid blend of SEVIN and molasses. Granules, dusts and baits are also available for certain specialized uses. Plus, SEVIN isn't harsh on the environment. It is degradable; and when compared with other insecticides, it ranks low in toxicity to people, animals, birds and fish.

So it's probably no surprise to hear that SEVIN carbaryl is one of the largest selling insecticides in the United States today.

For more information about SEVIN, contact your pesticide supplier or Union Carbide at the address below.

Make SEVIN carbaryl insecticide your answer to pest control too.
Announcing A New 3M Product
For Your Turf Management Program

Effectively regulates turf growth and seedhead formation.

A multitude of tests by universities, highway departments, airports, golf courses and cemeteries have shown that “Embark” Plant Growth Regulator limits the growth of actively growing turf from 50 to 75% or more. “Embark” Plant Growth Regulator can be applied with conventional spray equipment. Depending on rainfall, soil fertility and other factors, this new product will regulate the growth of several turf species for a minimum of 5 to 8 weeks. By reducing mowing and trimming requirements you’ll use less fuel, have lower equipment maintenance costs, and minimize the frequency of personnel exposure to hazardous mowing conditions. Full label approval has recently been granted by the Environmental Protection Agency (E.P.A.). “Embark” Plant Growth Regulator is now available for the 1978 growing season.

We have a brochure that outlines “Embark” Plant Growth Regulator’s use for a wide variety of applications. For complete information write: Agrichemicals, 3M Company, 3M Center, Bldg. 223-65E, St. Paul, Minnesota 55101.

...a new horizon in turf management.

“Embark” is the Reg. TM of 3M Co.

Before using any pesticide, always read all label directions and precautionary statements carefully.
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FEATURES

Rights of Way: 1972 to 1978

Six years ago WEEDS TREES & TURF presented three viewpoints about chemical and mechanical rights of way clearance and maintenance. We report little progress has been made.

Traps Offer Early Detection of Tree Borers

Early detection of male clearwing moths helps assure proper timing of insecticides for tree borer control. See new research report.

SPECIAL WHOLESALE NURSERY SUPPLEMENT

Trends, statistics, and profiles of wholesale growers. Field-grown and container stock now exceeds $1 BILLION dollars in value at the wholesale level and over $3 billion at retail.

Control and Operation of Sprinkler Systems

Part two on turf irrigation equipment from the new “Turf Irrigation Manual” by James A. Watkins describes both hydraulic and electric controllers and valves.

Board Stresses Business Skills

Three members of WEEDS TREES & TURF new Industry Advisory Board stress the importance of good management practices in the future of the Green Industry.

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In April, I asked if you would let us know about your job promotions and awards. Well, I've got news about promotions on the magazine.

Ron Morris, who joined WEEDS TREES & TURF in May 1977, has been promoted to technical editor effective immediately. Ron is a graduate of Purdue University's turfgrass management and agricultural communications programs. He served under Dr. William Daniel and Dr. Ray Freeborg as a turf research assistant and is currently assisting in the production of their new book, "Handbook for Turf Managers," to be released this summer.

Ron wrote the major features on spraying systems and fertilizers that appeared early this year. He has attended numerous industry shows this year to familiarize himself with current research in all areas of the Green Industry. He will be responsible for constructing a central data bank of all applicable research taking place in the United States and in foreign countries.

By doing this we hope to quickly link your questions in the Vegetation Management and Proscape columns to the individuals doing the most up-to-date research on that particular topic. This will also shorten the period of time between research completion and publication of the information for the persons in the field. This period is often six or more months and then the information is published in professional journals which the average lay person doesn't receive. Every person in public or private institutions performing any type of applicable research is now being contacted.

In other news, Scott Scredon, who is currently assistant editor of our publication GOLF BUSINESS, will join the staffs of WEEDS TREES & TURF and LAWN CARE INDUSTRY as assistant editor. Scott will specialize in the field of landscaping to improve our coverage of this vital area.

Finally, Bob Earley, the visible editor of LAWN CARE INDUSTRY, will advise me on happenings in his industry which effect the entire Green Industry. He will also represent WEEDS TREES & TURF at industry functions he attends. Since Bob was at one time editor of this magazine, he is very familiar with all aspects of the Green Industry.

What we are doing is organizing a group editorial office to serve all industries within the Green Industry. Each industry will get the attention it requires and needs, and all the industries together will be able to share common problems and to reach independent solutions.

If you haven't noticed, we are moving at a very fast pace in improving our contribution to your business. We are developing resources which will be both superior to those presently in existence and centralized for all industries to benefit.
Breakthrough from Jacobsen.
A new out-front mowing tractor with hydraulically driven reels.

The revolutionary HF-15.

What happens when you combine the advantages of the Jacobsen F-10 mowing tractor with the advantages of hydraulically driven reels?

You get seven reels that can cut turf beautifully even while it's raining. Constant reel speed is maintained hydraulically. This means you can cut to your schedule instead of the weather's.

You also get increased versatility. The hydraulically driven reels will give you a beautiful cut on formal turf areas as well as rough areas where Blitzer units would be used. With the HF-15, you simply change the cutting frequency instead of changing reels.

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More good news. Reels can be easily backlapped without being removed or disassembled.

It's all in one complete mowing system. The amazing HF-15. Get more details from your Jacobsen distributor.

The HF-15 is a complete mowing system that combines the time-tested Jacobsen F-10 mowing tractor and Fairway gang unit. Plus many new features.

Two cutting frequencies easily selected at front of unit. The same reels can now cut formal and rough turf areas.
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YOU CAN
HELP
CONTROL
FUSARIAUM BLIGHT
WITHOUT COSTLY
CHEMICALS . . .

Mother Nature has ways of controlling diseases of grasses that defy scientific explanation. Such is the case in the use of twenty-to forty percent Citation perennial ryegrass in a mixture with Kentucky bluegrass. Tests made in areas of high Fusarium blight incidence have verified that such mixtures have better withstood the damaging effect of Fusarium blight without the use of costly chemicals. Citation has an attractive dark green color which blends well with Kentucky bluegrass, and in many tests throughout the U.S., mows superior to other perennial ryegrasses.

The above photo was taken of a test plot located in California. The Fusarium blight has devastated the bluegrass stand on the right. On the left, the balanced plant population using twenty percent Citation perennial ryegrass and eighty percent Kentucky bluegrass is unaffected by the Fusarium. Citation's ability to withstand high temperatures and high humidity helps to maintain a quality turf and balanced plant population during stress conditions. An added plus is Citation's dark green color and improved mowing qualities.

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"PROGRESS FROM THE GROUND UP"
I am writing in response to a letter written by Mr. Eric Madisen, Jr., Editor, Park Maintenance, in the March, 1978 issue of Weeds, Trees and Turf. My purpose in writing is certainly not a personal grievance with Mr. Madisen nor with parks people because I count numerous park and recreation directors and maintenance supervisors as close professional friends and associates in the Pacific Northwest. My question is, who are the parks professionals and what is their position in the important issue of turfgrass management. In my view we have two distinct professional groups in parks — the administrators (P and R directors) and the professional grounds supervisors. Frequently in small park districts this individual is one and the same. He has to double as the director and the supervisor.

With regard to the golf course superintendents receiving too large a slice of the cake in research and attention in publications such as Weeds, Trees and Turf, I feel it is because they are better organized and show a great deal more enthusiasm, interest and support in these areas than many parks people particularly in the Pacific Northwest. I am sure that parks people know that most of the research conducted is as adaptable and useful to parks as it is on golf courses, but when we hang the name of a golf course on released information it is usually branded as being suitable only for the golf courses. Fairways and tees on golf courses are very similar to what happens to the park maintenance system. Highly experienced or college trained agronomists and horticulturists should be considered for key roles in the parks system.

I would have to ask the question also, is there a movement in the parks system for professionally upgrading the maintenance supervisors such as the progress made by golf superintendents over the past 20 to 30 years.

In conclusion, I would encourage the parks to get better organized on the maintenance supervision level and give these key people opportunity to professionally improve themselves and you will find there is lots of help available. I will be very happy to work with parks people as I have for the past 20 years, but a little organization will tremendously improve their professional status.

Roy L. Goss, Agronomist
Washington State University
Puyallup, Washington

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