



Ringer will give your course a world of improvement.

Ringer Greens Restore® and Turf Restore® give you a whole new approach to greener greens and fairer fairways.

Natural protein, slow release nutrition. Ringer products use natural protein sources for slow-release nutrition without chemicals. Applied at recommended rates, Greens Restore® and Turf Restore® will not burn.

More than a quick fix. Because they rely on a unique microbial action, Ringer products work by enhancing natural processes. Your turf has a healthier environment. And it keeps getting better and better.



Scientifically formulated, environmentally sound. The Restore® line was scientifically developed for professional use. It fits right in with your present program. It strengthens your current disease control efforts. And because Ringer Greens Restore® and Turf Restore® are environmentally sound, they improve the world a little as they improve your course a lot.

If you don't like your green, we'll send back your greenbacks. Try Greens Restore® for a season on a practice or problem green. We'll return your money if you aren't more than pleased with the results. Call or write for details and the name of your distributor.



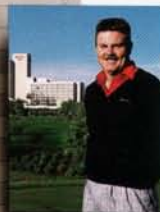
RINGER
Better, naturally

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"I'VE SEEN NO OTHER IRRIGATION TECHNOLOGY THAT COMES CLOSE TO MY \$196,000.00 ANNUAL SAVING!"

ANNOUNCING! MAXI® System IV WITH EXCLUSIVE FLO-MANAGER™ AND "CYCLE+SOAK".



Gary Myers

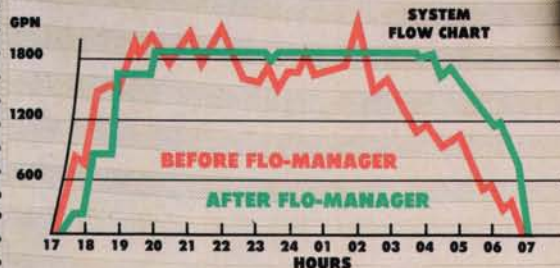
NEW! FLO-MANAGER

Rain Bird introduces Flo-Manager, a new technology that automatically manages the flow demand placed on the pumping system for maximum efficiency and lower energy costs and operating times.

"Flo-Manager gave the Desert Inn an 18% energy savings. Our charts have proven its everyday value."

—Gary Myers

Golf Course Superintendent
Desert Inn Hotel & Casino
Las Vegas, Nevada



NEW! "CYCLE+SOAK"

Rain Bird's solution to water run-off. "Cycle+Soak" controls water output to poor drainage areas and prevents costly overwatering, flooding, pooling, and evaporation-automatically.

All this, using less water for a healthier golf course.

MAXI SYSTEM SAVING WITH FLO-MANAGER

1. WITH FLO-MANAGER
2. MAXI SYSTEMS →
3. STARTS AT \$56,000.



NEW! MAXI System IV

Everything earlier MAXI systems had, with even more potential for saving water, power, time and lots of money. Linking thousands of rotors, valves and sensors, it comes complete with ET sensitive response capability, optional weather station and the ability to control lights, gates, fountains, and more.

RAIN BIRD®

Ask your distributor about convenient Rain Bird financing.

**Rain Bird Sales, Inc.,
Golf Division,**
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Glendora, CA 91740
(818) 963-9311.

MAXI System IV Computer Control System



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VOLUME SIX, NUMBER TWO

FEBRUARY 1990

MAIN EVENTS

14 KAUAI LAGOONS: HAWAII'S LATEST TREASURE

Jack Nicklaus and developer Chris Hemmeter teamed up to create the Westin Kauai Golf & Racquet Club, another treasure for the already spectacular Hawaiian Islands. Two award-winning golf courses, the Kiele and the Lagoons, have presented unique challenges for superintendent Earl Sanders and his staff. Constant winds, separate microclimates within the resort, and the complex topography of the golf courses and resort landscaping give the Arizona native the challenge of a lifetime.

28 BARRY UNIVERSITY SETS STANDARD FOR NCAA BASEBALL DIAMONDS

In 1984, Barry University in Miami Shores, FL, began to participate in NCAA Division II baseball. The school has upgraded its softball and soccer fields to professional standards under the direction of groundskeeper Jerry Brown. Today it sets a standard for other NCAA colleges and is the 1989 winner of the Baseball Diamond of the Year Award in the college category.

34 ADVANCES IN GOLF COURSE IRRIGATION DESIGN

For more than 20 years, a small group of dedicated individuals has been leading the golf industry through a revolution in irrigation design. By working specifically with superintendents, architects, developers, and manufacturers, the irrigation design consultant has soothed fears over complex systems, led the charge for water conservation, and improved control over water and energy costs.

38 PARTS FINDING MADE SIMPLE

Depending upon how knowledgeable turf managers are about sprinkler repair, there are three options: replace the malfunctioning component, send it to a repair house, or fix it themselves. Companies specializing in irrigation repair parts are improving the level of service in the industry and saving sports complexes money in the process.

LINE-UP

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- 46 ROOKIES
- 58 SCOREBOARD

COVER: The Kiele course at Kauai Lagoons overlooks Nawiliwili Bay.
Photo Courtesy: Rain Bird Sales.



ON THE SURFACE

we make you look good



J-DRain works hard beneath
the surface to drain unwanted water
away from playing surfaces.

• **Fairways** • **Tees** • **Greens** • **Bunkers**

J-DRain is the simple solution to complex drainage problems. No longer are you limited to pipe and aggregate drain systems. J-DRain is installed easily in narrow sand trenches without significantly disrupting playing areas. In many cases, the playing area can be returned to play the same day. J-DRain, constructed with a highly porous drain core wrapped with a geotextile, collects and conveys water away from problem areas. J-DRain will have your golf course or playing field drained and back in operation faster with a healthier turf that is more resistant to damage from high traffic abuse.

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Booth No. 3719, G.C.S.A.A., Orlando, FL

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How to keep your acres and acres of earth looking like a little slice of heaven.

Adopt a Mobay fungicide program, and start producing turf that's a cut above.

Start with BAYLETON® Turf and Ornamental Fungicide. It has an unequaled reputation for stopping *dollar spot* while giving you broad spectrum disease control.

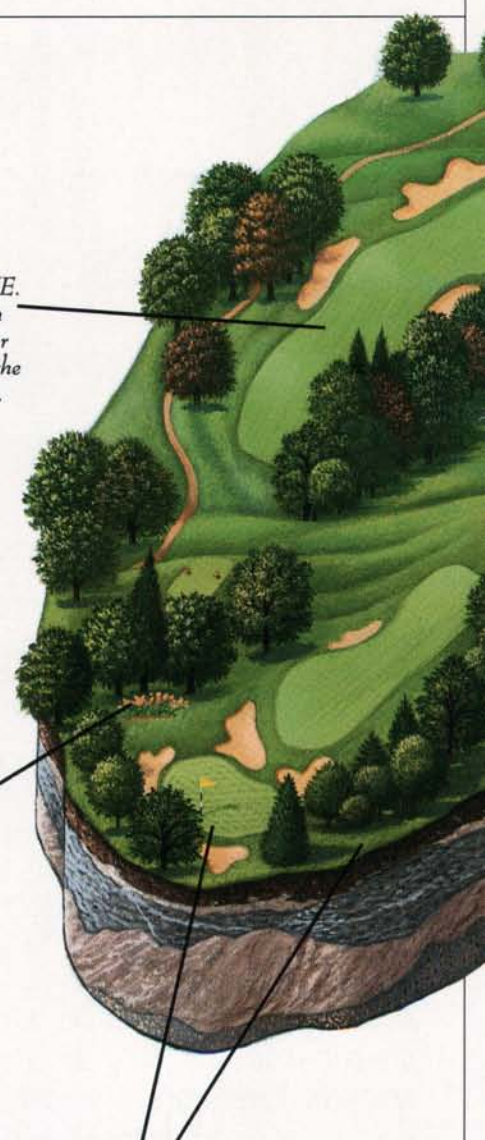
In addition, BAYLETON eliminates costly multiple applications. You see, it works systemically, entering the plant and working from the inside. Since BAYLETON won't wash off, it lasts longer.

For *leaf spot*, treat with DYRENE® Turf Fungicide. Quite simply, nothing works better. Plus, the flowable formulation of DYRENE gives you longer residual control than regular contact fungicides. And that adds up to a lower cost per day of control.

Best of all, both BAYLETON and DYRENE have a long history of unmatched performance.

For more information, contact your Mobay distributor or Mobay sales representative. They can set you up with a fungicide program that'll help you keep your acres looking like a little heaven on earth.

Bayleton Dyrene



Treat your fairways with BAYLETON and DYRENE. It keeps your customers from tracking disease up onto your tees and greens, and raises the overall quality of your course.

Apply BAYLETON for broad spectrum control on a wide variety of ornamental plants.

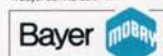
Plant turf varieties that resist diseases in your area. Apply a balanced fertilizer. Aerate, irrigate, and dethatch periodically.



In addition to dollar spot, BAYLETON prevents summer patch, anthracnose, and other major turf diseases.

DYRENE prevents brown patch and leaf spot with excellent residual control.

Mobay Corporation
a Bayer USA INC. COMPANY



Specialty Products Group
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FROM THE PUBLISHER



RALLY 'ROUND THE FLAG... That call has been heard many times over the years. I'm sure that as each call went out it awakened a body of people. Well, the call is going out again, this time on behalf of a very select group — you, the professionals who maintain our golf courses, stadiums, recreational areas, campus grounds, etc.

The call is for awareness of your vital contributions in maintaining our country's sports and golf complexes. You need to be recognized for the professionals you are. I hope the call is answered.

I believe the companies and municipalities that you work for don't fully understand the challenges you face. They don't realize the vast amount of knowledge that's required to supervise a crew of people to maintain these complexes. How can they appreciate the skills you possess if they don't know about them? Today, a professional grounds manager must be knowledgeable about trees, shrubs, flowers, and groundcovers. He must know which tree will do well in a northern exposure and which will thrive in a southern exposure. He should have a working knowledge of groundcovers, shrubs, and flowers, how to identify insects and diseases, and how to treat them.

A professional should know about hardscapes, softscapes, and waterscapes. He needs to know about grading and drainage. Surely he must be knowledgeable about irrigation and the many components that make up his system. He must know how to troubleshoot when something goes wrong.

Most importantly, he must have a good knowledge of turfgrasses. Should he use sod, sprigs, or seed? What grass or mixture of grasses will do well in his climatic area? What turf will hold up better for his purposes? He must be able to diagnose insect and disease problems and be able to treat for them. He will probably employ preventive care, before the damage is done. He needs to know about fertilizers and what combination of formulas to use at what time of the year.

He surely has to know how to manage people. He makes decisions on capital expenditures of all equipment. In short, he is educated in these skills, many of which are not taught at universities. They are developed in the field and polished with experience.

The professional grounds manager is truly a Jack of many trades — and Master of all. With all of the knowledge we must have to maintain our properties, we are constantly defending ourselves in front of our greens committees or city managers or whoever else we report to, because someone feels our grounds are not always in the best condition.

They complain that we have a budget, "So why don't our grounds look good?" Although you can try to explain that you're dealing with nature, and sometimes Mother Nature doesn't cooperate, you end up being the scapegoat.

We can't control Mother Nature, but we can use our skills and knowledge to make the best out of any condition. Still, we have to let management know that we are doing the best we are capable of with the tools we have. Perhaps we have not been doing too good a job on getting this message out. That could be one reason we don't have the high respect we deserve.

If we are not doing our best, if we do not continue to learn, we are helping to project a poor image. You deserve better than that. The skills you have polished took years to attain. I hate to see you criticized because management doesn't understand what you are up against.

Golf & sportsTURF magazine is an integral part of the learning process. We try to give you insight into what others are doing. We report the industry happenings. This journal is for you, by you and of you. So use it. Let **Golf & sportsTURF** be your flag, and...RALLY 'ROUND THE FLAG, BOYS!