


The Environment Is Right.



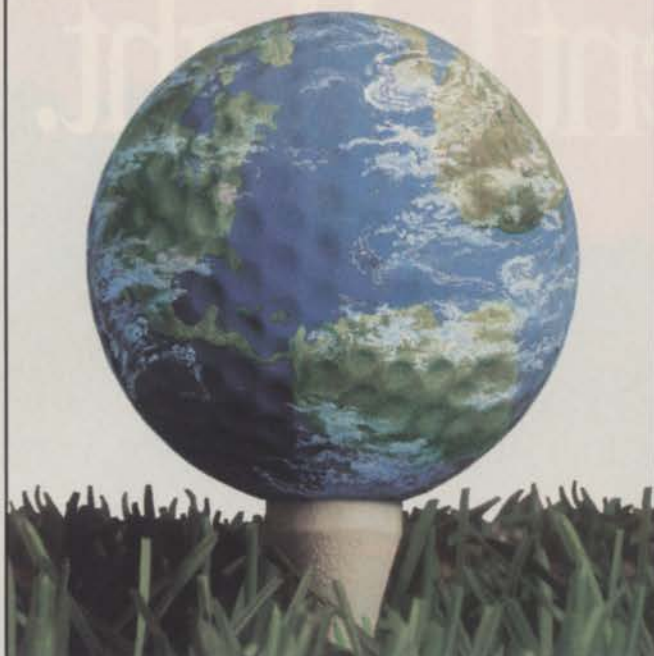
And now it's registered for control of the deer tick—the primary vector of Lyme disease. Yet, despite its proven effectiveness against pests, the low environmental impact of CHIPCO® SEVIMOL® brand means that all this control, economy and convenience does not come at the cost of compromising your responsibility to nature. Get all the facts. Call your turfcare chemicals supplier today.

Sevimol®
Brand Carbaryl Insecticide

© 1990 Rhone-Poulenc Ag Company, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. For additional information, please call: 1-800-334-9745.

 **RHÔNE-POULENC**

Circle No. 136 on Reader Inquiry Card



Ringer will give your turf a world of improvement.

Ringer products use natural protein sources for slow-release nutrition without chemicals. Applied at recommended rates, Greens 6-1-3, Turf 10-2-6, and Green Super 10-2-6 will not burn.

MORE THAN A QUICK FIX. Because Ringer products utilize a unique microbial action, your turf has a healthy environment. And it keeps getting healthier.

SCIENTIFICALLY FORMULATED. ENVIRONMENTALLY SOUND. Ringer products fit right in with your present program and they strengthen disease control efforts.

Try Ringer products for a season. Because they are environmentally sound, they improve the world a little as they improve your turf a lot.

Please call or write for the name of your distributor.



RINGER
Better, naturally

Ringer Corporation, 9959 Valley View Road, Minneapolis, MN 55344,
612-941-4180



PEOPLE

Runnin' Reb pride extends to campus

LAS VEGAS, Nev. — Students at the University of Nevada, Las Vegas (UNLV) have reason to celebrate again this spring: their varsity basketball team is apparently poised to defend its national championship at the upcoming NCAA tournament.

But students have another reason to be proud: the way **Dennis Swartzell** and his maintenance crews groom the campus. Landscape crews have even let school pride affect their attitude.

"Our tree crew calls itself 'Your Runnin' Rebel Tree Crew,'" says Swartzell, who heads up a staff of 34 responsible for 100 landscaped acres.

"Beyond that image the basketball team provides," says Les Raschko, "you can



Swartzell: in charge of 'poor man's overseed'

see an emerging, young, growing and proud university. Dennis and his staff do an outstanding job; we have a modern-looking, well-dressed campus." Raschko is

continued on page 26

Marketing Management and Strategy for Green Industry Companies.

Including:
Marketing Strategies,
Advertising Plans, Sales
Training and Customer
Service Programs.

For more information call,

AGMA INC.

Rudd McGary or Ed Wandtke

614-891-3111

THE WEEDS WILL BE BACK NEXT YEAR. WILL YOUR TRIMMER?



It happens all too frequently. You grab your trimmer, top off the gas tank, and give it a crank.

It doesn't start.

A few more tries. Then another. And another. Something rattles inside. Now, you're rattled.

You only bought the thing a few seasons ago. Repairs are probably going to run half the cost of the trimmer. Some bargain.

If what you really want is equipment you can depend on, see your Stihl dealer.

Every Stihl is built, and tested, to what may be the most exacting standards in the industry. So it's no mere coincidence that a Stihl trimmer lasts.

Stihl. It'll put an end to weeds. And, definitely, any notion of bothering with a discount trimmer.

STIHL

*When You Depend On Tools,
Depend On Stihl.*



Using Embark® to reduce top growth and clippings

PLANT GROWTH REGULATOR

Now, with new formulations of Embark and tank mixes with Limit®, you can *tame* the growth of turfgrasses and reduce the mowing by up to 50% — or you can *slow* it down just enough to make regularly scheduled mowings easier and faster. In either instance, there are no concerns with objectionable discoloration, and the reduction in cost is very significant.

Everett Mealman, President
PBI/Gordon Corporation

The Embark PGR programs for growth regulation of fine turf are surely the most important developments to date in landscape management. They can dramatically increase the productivity of turf managers ... and productivity, of course, is the ultimate generator of profits.

The recommendation for maximum growth suppression of cool-season

fine-turf species is a tank mix of Embark Lite and Limit.

Embark Lite (Mefluidide) is specially formulated and labeled for use on fine turf. And Limit is amidochlor, the root-absorbed turf growth regulator developed by Monsanto and recently acquired by PBI/Gordon.

This easy-to-handle tank mix, when applied to cool-season grasses prior to

the major growth period, will reduce the number of mowings up to 50% for five to six weeks at a cost of approximately \$45.00 per acre — the average cost of one mowing.

But that's only part of the good news: Turf discoloration is avoided with this combination, when used as directed. At the end of the six-week cycle when untreated turf tends to fade, the release of pent-up energies in the Embark Lite/Limit-treated turf results in a rich, vibrant green color.

And, notice, we haven't even mentioned the environmental bonus of reduced clippings.

On the other end of the Embark programs, an application of just Embark Lite will by itself slow down the growth for three to four weeks to such a degree that the mowers will virtually float over the turf ... clippings will be significantly reduced ... you'll be able to stay on schedule even during the peak growing season ... and the cost will be only \$18.00 per acre.

What users say

Paragon Lawn of Edina, Minnesota is typical of the many turf management professionals throughout the country who are using Embark. Paragon is a total landscape management company owned and operated by the husband-wife partnership team of Dan and Jill Rosen.

The business is oriented toward high-visibility commercial properties in the Minneapolis suburbs, where immaculate turf is a vital part of the image the property owners want to project to the public.

A typical area where Jill and Dan Rosen, of Paragon Lawn, use Embark Lite. For approximately \$18.00 per acre they can literally take the fight out of cool-season grass, so that even in the peak growing period they not only can stay on schedule but the mowed premises will maintain their freshly cut appearance longer.



On several properties, Paragon has total responsibility for designing and executing the complete program on an annual bid basis. "Such property owners don't really care what we do or when we do it," says Rosen. "The issue is that a constant image of quality and neatness be maintained."

In such instances the Rosens factor into their bid an Embark Lite/Limit tank mix treatment twice a year. Once in the spring, ahead of seedhead emergence, and a repeat prior to the fall growth season.

"It reduces our mowing costs by more than 50%, at a cost of less than \$45 per acre, while actually improving the appearance of the grass..." states Rosen.

On the other hand, Paragon has many customers who are on a regular mowing schedule. "We get paid a flat fee per mow," says Rosen, "and at the peak of the growing season it can be a real back breaker to stay on schedule and maintain a manicured appearance."

"This is where Embark Lite is ideal. During the peak growing season, we can definitely put money in the bank by spending \$18 per acre out of our own pocket for a treatment of Embark Lite that lasts three to four weeks. It eliminates double mowing... it makes clipping clean-up a breeze... it takes pressure off men handling the mowers... and, best of all, it keeps us on schedule."

Interestingly, the Rosens were hesitant about getting started with Embark, and actually had a gallon in their machine shop for a year before they opened it. Like so many turfgrass professionals, the concept of suppressing growth made them uncomfortable in light of the fact that they had always measured turf quality and health on the basis of how vigorously it was growing.

Consequently, the Rosens started out very cautiously and tested both the Embark Lite/Limit tank mix and the Embark Lite mowing aid program in low-profile areas and expanded the total commitment as the evidence became overwhelming.



The Beauty of Embark Lite/Limit Tank Mix

Above: John Van Haften, director of research and development for PBI/Gordon, demonstrates the dramatic effectiveness of an Embark Lite/Limit tank mix. This test plot of bluegrass and ryegrass in suburban Kansas City was treated on April 25, 1990. It was mowed once, on May 1 after the PGR kicked in, and never touched again until this photo was taken on May 25. This dramatic reduction in growth occurred in spite of abundant rainfall and excellent growing temperatures.

Embark is the original, undisputed leader of all PGRs for use on turfgrass. It is foliarly absorbed and translocated to the growing points of a plant, and redirects the energy to the roots, thus preventing seedhead development and stem elongation.

For almost ten years, Embark has been virtually unchallenged for use on low-maintenance turf such as roadsides and hard-to-reach areas.

But use of Embark on highly visible fine turf was not recommended until 1986, when PBI/Gordon researchers, as well as several universities, had proven that tank mixes of Embark and Ferromec® AC Liquid Iron could eliminate the problems of turf discoloration.

Limit, on the other hand, is root absorbed and has been recognized from its inception as the PGR for maximum growth suppression on fine turf without problems of discoloration. The major drawback was its cost.

Happily, a tank mix consisting of reduced rates of both Embark Lite and Limit has proven to be the perfect marriage. It results in growth control for five to six weeks; control of seedheads and stem elongation; reduction of clipping volumes; strengthening of the roots... and all of this for only \$45 per acre.

New Tank-Mix Combo!



Special Get-acquainted Offer on Embark Lite and Limit

Offer consists of a Combo Pack containing two 1-quart bottles of Embark Lite and one quart of Limit. When tank mixed, this combination will treat one acre of cool-season turfgrass and will give you a clear and rapid understanding of what Embark Lite/Limit can do for you. And the evidence will reach you in time to expand the program yet this year, beyond your original test area. See your PBI/Gordon distributor or...

Call toll-free 1-800-821-7925.



1217 WEST 12th STREET
P.O. BOX 4090
KANSAS CITY, MISSOURI 64101

EMBARK® LITE

FINE TURF REGULATOR

Embark®, Limit®, Ferromec® are registered trademarks of PBI/Gordon.

© 1991, PBI/Gordon Corporation

743(N)-191

Circle No. 126 on Reader Inquiry Card



The UNLV campus, an oasis in the middle of the southern Nevada desert, is seen in all its splendor in the spring.

PEOPLE from page 22
director of university news and publications.

Swartzell came to UNLV 8½ years ago from the University of Georgia. He has seen student enrollment grow an average of 10 to 12 percent per year to a current total of 18,216.

"Las Vegas is two different communities," Swartzell observes: "the strip, with all its glamour, and the community we live in. The community has a direct involvement in

the arts and culture, (and) the gaming industry has made significant contributions to our campus.

Dominant turf is tall fescue, but common bermuda infestations necessitate overseeding the entire campus. Swartzell's crews perform what he calls a "poor man's overseed:" no scalping or dethatching or topdressing. "We basically skip a mowing, distribute the seed, drag it in, roll it and mow it. We leave the

clippings as mulch. Timing is critical," he notes.

Though water use is not a critical issue yet, Swartzell thinks to the future.

"We've had seemingly ample water (from the Colorado River system) with no end in sight," he observes. "But we've realized that it's going to be an issue. We will eventually be moving to less turf, out of necessity. And we've pushed for computerized irrigation;

we're hoping to complete a feasibility study this year."

That's not all.

"We're trying to introduce drought-tolerant plants like acacias and mesquites. Aleppo pines were introduced 20 years ago. The mulberries are fast shade-producers."

"Las Vegas," he further notes, "has always been looked upon as a suburb of California, but that doesn't really fit us. We've got more

continued on page 30

Olathe TURF CARE EQUIPMENT

Field Proven Olathe Equipment For The Landscape Professional!

Reliable, durable and innovative Olathe Brush & Wood Debris Chippers have been helping turf and grounds maintenance programs control brush and limbs for over 18 years!

Model 12 Brush Chipper

PTO-powered chipper reduces brush and limbs to a mulch sized chip. Features 7" diameter brush and limb capacity. Trailer mounted or 3-pt. hitch available. Folds to a convenient size for ease of transport and storage in a 5 ft. square area.

Model 182 Brush Chipper

Trailer mounted disc chipper reduces limbs and brush up to 6" diameter. 20 or 24 hp gas or 21.5 hp diesel engines available. 12" x 20" infeed opening, 360° discharge chute and 170° chipper head rotation. 30" diameter cutter disc.

Model 986 Brush Chipper

Hydraulic feed disc chipper with 42" diameter cutter drum reduces material up to 12" diameter into uniform sized chips. Gas and diesel engine options. 360° discharge chute.



Model 12



Model 182



Model 986

OLATHE MANUFACTURING, INC.

100 INDUSTRIAL PARKWAY, INDUSTRIAL AIRPORT, KANSAS 66031

913-782-4396 FAX 913-764-1473



Circle No. 123 on Reader Inquiry Card

The fight against yellow nutsedge begins here.



Only Basagran® T/O ends it here.

Unlike other herbicides which only burn back yellow nutsedge above the surface, Basagran T/O herbicide travels down to control the roots, rhizomes and tuber network underground. It's the only way to be sure those same weeds won't come back.

An over-the-top application is all it takes to win the fight against yellow nutsedge and broadleaf weeds. (A second



application is recommended when re-growth occurs.) And while it's tough on weeds, it's easy on virtually all varieties of established turf.

Basagran T/O is also labeled for directed sprays in ornamental varieties.

For more information on how to control yellow nutsedge and broadleaf weeds with Basagran T/O, call **Toll Free 1-800-874-0081.**

BASF Corporation

Always read and follow label directions.
Basagran is a registered trademark of BASF AG.
© 1991 BASF Corporation

Circle No. 104 on Reader Inquiry Card

BASF

It only takes one insecticide to protect your customers from top to bottom. By using TEMPO® 2 Ornamental Insecticide, you can treat home lawns, flowers, plants, shrubs, even trees with unmatched effectiveness.

Reduce exposure. TEMPO uses 80% less active ingredient than the leading insecticide, so there's 80% less chemical to impact the environment. And that reduces the potential for exposure to your customers and their pets.



TEMPO reduces exposure to your customers, your employees and the environment.

Since TEMPO is a broad-spectrum, advanced generation pyrethroid, it gives excellent control at low dosage rates.

This allows you to control tough surface-feeding pests like sod webworms, cutworms, armyworms, even ticks

without yellowing the grass or interfering with fertilizers or fungicides.



A Little Tempo Will

On top of all that, TEMPO is practically odorless.

No phytotoxicity on ornamentals. Using TEMPO on all your customers' flowers, plants and shrubs is an excellent way to control leaf-feeding insects without burning the leaves or blooms.

Plus, the fast knockdown and long residual of TEMPO make it effective on tough pests like pine shoot moths, webworms and sawflies.

And again, 80% less chemical means less handling, mixing and disposal hassles,

as well as less impact on the environment.

Less chemical needed to spray trees. Nothing is better on trees than TEMPO. Because not only are you spraying less



TEMPO effectively controls surface and leaf-feeding pests like tent caterpillars, Japanese beetles and bagworms.



Cover The Whole Lot.

chemical into the air, TEMPO also costs less than other leading insecticides.

In addition, TEMPO is compatible with all types of spray equipment and won't cause downtime due to clogging.

And it's effective on such leaf-chewing and leaf-skeletonizing insects as gypsy moth larvae, oakworm caterpillars, leafrollers, bagworms and cankerworms.

With 80% less active ingredient, it only takes a little TEMPO to cover a lot of ground. And that has big advantages for you and your customers.

For more information, contact the Mobay Corporation, Specialty Products Group, Box 4913, Kansas City, MO 64120 (800) 842-8020.



Mobay 
A Bayer USA INC COMPANY

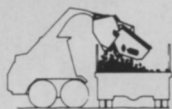


ROCKHOUND LANDSCAPE RAKE

A SERIES ROCKHOUND



Skid Steer Mount



Dumping



(Hydraulic) 3 Point Mount

COST EFFECTIVE ROCKHOUNDS

Rake and collect rocks and surface debris, leaving the soil in a fluffy, level, seed-bed quality condition.

*It does not cost to own a
Rockhound. . . IT PAYS!*

1-800-426-5615

KEM ENTERPRISES, INC.
18425 Eighth Ave. S.W.
Seattle, WA 98166

Circle No. 112 on Reader Inquiry Card

PEOPLE from page 26

of a Southwest look, but we need to have our own style, and that's tough."

The xeric demo garden could be a portent of the future. Swartzell takes pride in the three-year-old project that contains 150 species of plant material.

"It gives you the feeling of being in the middle of the Sonoran Desert," Swartzell says. "We're going to try and incorporate some garden features into other parts of the landscape."

Mountain States Nursery in Arizona donated shrubs to the xeric garden. Arid Zone Trees, also in Arizona, donated trees. And sixty tons of Aztec sandstone boulders came from John Muir & Co.

The xeric garden is awash in color by January. Cassia gives it a deep yellow color and 'Texas Ranger' leuco phyllums add blue.

"I'd personally like to try some more theme gardens: native, Mediterranean or even Oriental," Swartzell says.

While Swartzell himself becomes more involved in facility planning and site development ("We're filling up the vacant desert"), Paul Dzerk has joined the staff as horticultural specialist to train the troops, inspect construction, keep pest and registration records, and control quality.

And the inimitable Jerry Tarkanian, of course, maintains control of the Runnin' Rebs' basketball fortunes.

—Jerry Roche

President Bush honored by ALCA

President George Bush has won the first "President's Award for Environmental Excellence" sponsored by the Associated Landscape Contractors of America (ALCA). He was selected, in particular, because of his America the Beautiful" program.

Steve Wharton of Steve's Landscaping, Ft. Worth, Texas, and David L. Phelps of Suburban Lawn & Landscape Services, Crownsville, Md. have been appointed to fill vacancies on the board of directors of the Professional Grounds Management Society (PGMS).

Dr. Phil Robinson has been appointed director of research for Agri Growth Research of Indianapolis. He was previously with Hoechst-Roussel.

Winner of the Nebraska Turfgrass Foundation's Distinguished Service Award is Dr. Robert C. Shearman, a former LANDSCAPE MANAGEMENT technical advisor. □

Expand Your Horizon

JOIN

PGMS

**BY LEARNING ABOUT THE PROFESSIONAL GROUNDS MANAGEMENT SOCIETY,
YOU'LL BE MADE AWARE OF THE MANY BENEFITS IT HAS TO OFFER.
WATCH YOUR CAREER EXPAND...JOIN PGMS TODAY!**

- **ANNUAL CONFERENCE & TRADE SHOW** — This yearly forum brings together grounds managers, top speakers and suppliers for the sharing of knowledge and ideas.
- **DISCOUNTS** — Members receive discounts on Hertz, Avis and Alamo Rental Cars as well as discounts on a complete line of horticultural publications.
- **WORKSHOPS** — Workshop training is available all over the country and offers management skills covering all aspects of grounds management.
- **CERTIFICATION** — You can become a Certified Grounds Manager by receiving a voluntary peer review of acceptable competence.
- **AWARDS** — Members are recognized for outstanding achievements in grounds management in the Annual Grounds Maintenance Awards Contest.
- **NEWSLETTER** — A newsletter is mailed monthly to keep members current on the affairs of the Society and the latest developments critical to successful grounds management. Personnel and position vacancy notices are also listed to create employment opportunities.
- **SURVEY INFORMATION** — The Society conducts research on operational practices. These surveys are made available to members only.
- **GUIDELINE PUBLICATIONS** — AVAILABLE FREE TO ALL MEMBERS:
 - **Grounds Maintenance Estimating Guide** — To assist you in total cost job estimating.
 - **Grounds Maintenance Management Guidelines** — Now available to assist you in management.
 - **Grounds Management Forms & Descriptions Guide** — To help you with your routine daily tasks!

Clip and Mail to: **PROFESSIONAL GROUNDS MANAGEMENT SOCIETY**
10402 Ridgland Road, Suite 4, Cockeysville, MD 21030

I WANT TO EXPAND MY HORIZON! Please send more information about PGMS.

Name _____

City and State _____

Company _____

Zip Code _____

Street _____

Area Code/Phone # _____