PennLinks is on top of it all at The Cliffs

"Things are bigger here in Possum Kingdom, Texas. For instance, our 180,000 square feet of PennLinks greens that perform flawlessly in our extremes of heat, humidity and cold.

"We hand mow our greens at 3/16". The longer cut stresses the plant less, and promotes deeper, healthier roots. With PennLinks' upright growth habit, there's no need to mow shorter for a 'true' putt and the leaf length helps hold the ball on our extremely contoured greens.

"We realize a substantial monetary and labor savings with PennLinks. Its strong root system requires less syringing; we verticut and topdress only twice yearly, and have not had to apply any preventive fungicide since seeding in the spring of 1987.

"PennLinks also shows quick recovery from Texas-type trials like drought, water loss for 3-4 days, 2 inch hailstones, pythium and deer damage.

"I feel any superintendent who looks at all available bents with an open mind, and does his homework as I have, will choose PennLinks over any other. That's why PennLinks is on top at The Cliffs."  

Randy Thompson, CGCS
Director of Golf and Course Management
The Cliffs, Possum Kingdom, TX

Fallon, Randy and Lisa Thompson

"I like PennLinks because it's easy to live with... my family likes PennLinks because I'm easier to live with."

Randy Thompson
On the cover: Landscape Management again offers you the industry's most complete guide to the manufacturers and suppliers of turf equipment.

1989 BUYERS' GUIDE

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Along sidewalks and paved areas

Around tree bases

For edging along pond banks
Now's the time to Remember ROUNDUP® herbicide for all kinds of jobs around parks and recreational areas. Remember that ROUNDUP controls a broad spectrum of weeds roots-and-all. ROUNDUP is faster to use than mechanical trimmers and there's no need to retreat. That means you'll save time and labor. Remember that ROUNDUP stays where you put it...so there's no washing or leaching problems to harm desirable vegetation. And Remember that ROUNDUP is biodegradable and won't build up in the soil. That fact will give you the environmental confidence you need to use ROUNDUP everywhere you've got a weed, brush, trimming or edging problem. Spray with confidence — REMEMBER THE ROUNDUP.

Always read and follow label directions for Roundup® herbicide. Roundup® is a registered trademark of Monsanto Company.

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Monsanto

For complete information on the many benefits of Roundup herbicide for Parks and Recreational facility managers, call toll-free

1-800-225-2883

Circle No. 142 on Reader Inquiry Card
From the other side of Earth: Can we talk?

If you take for granted your ability to communicate with those around you, then attending the 6th Annual International Turfgrass Research Conference (ITRC) in Tokyo last month would have been eye-opening. Not only would you have enjoyed papers delivered by the world’s preeminent turfgrass researchers, you’d have seen the awesome power of communication working (or, in some cases, not working).

For the first time, the ITRC’s host was a nation on the mysterious, often misconceived continent of Asia. Though relative newcomers to turf research, the Asians appeared to pursue turf knowledge as diligently as they have other scientific fields once thought to be the private domain of Western civilization.

Still, the cultural barriers between lands were evident, most notably language. Though translators performed admirably within classroom walls, the informal “corridor conversations” so important in a gathering of this type had a distinct East/West feel—as in East on one side of the corridor and West on the other.

It is apparent that our nations have a long way to go toward fully understanding each other. The blending of our cultures will continue to progress in step with today’s global economy. Perhaps the most important element in maintaining positive relations during that progression will be a continued effort to improve communication, to overcome the momentary frustrations many of us may experience.

Perhaps one day landscapers in Okayama and Oklahoma will be equally interested in our Buyers’ Guide, presented to you this month. Each will benefit from an easy-to-use, comprehensive listing of the companies that provide the instruments necessary to do a job properly. Until then, we’re glad we can bring you the 1989 “North American” Buyers’ Guide. Think of it as a way to get your hands on the tools and information you need to beautify wherever it is you call home.
Aurora, Shadow and Bighorn qualify for Turf-Seed's blue tag incentive program. Write us or call your seed distributor for details.

Aurora, Shadow and Bighorn Hard Fescue, Shadow Chewings Fescue and Bighorn Sheep Fescue ... three shade and drought tolerant fine fescues for golf courses, parks, home lawns, roadsides and reclamation areas.

Aurora, Shadow and Bighorn have consistently topped fine fescue turf trials, and have years of 'experience' in low maintenance and high percentage shade areas.

These fescues mix well with perennial ryegrasses and Kentucky bluegrasses for use in sod production and golf courses; Aurora and Bighorn in the roughs and Shadow on the fairways.

When seeded in a monostand, our fescues will help give a course the 'Scottish links' look around tees and in roughs, and blue-grey Bighorn adds another color dimension to course design.

Low growing Aurora, Shadow and even shorter growing Bighorn require less mowing, making them ideal for roadsides and other low maintenance areas.

All-in-all, when your turf area is in the shade, where water, nutrients and maintenance are costly, it'll pay you to look into Aurora, Shadow and Bighorn ... the good look in fine fescues.

CALL TOLL-FREE OUTSIDE OREGON 800-247-6910
The Toro 450-D gives you protection against hydraulic fluid leaks. Wherever possible, hoses have been replaced with strong steel lines and O-ring seals protect connections. A hydraulic warning system flashes an alarm when the fluid level drops. For easy servicing, test ports for the hydraulic system are right on the side of the machine.

You’re witnessing a rare sight. Toro’s Reelmaster® 450-D actually standing still. A rare sight because the Reelmaster 450-D is so dependable that it goes and goes and goes. Giving you the high capacity mowing and precise even cutting you’ve been looking for.

Each cutting unit is connected to a universal joint, so it can float freely in any direction, following the contour of the turf for an even, uniform cut. Or can be locked in a fixed position.

The Toro 450-D can be customized with these accessories: ROPS, Cab, 5- and 7-bladed reels, rollers and thatching reels.
Toro's exclusive variable clip control allows you to calibrate reel speed and mowing speed to give you the highest quality of cut in varying course conditions. Combine that with faster mowing speeds, up to 7.5 mph and 12.5 mph transport speed, and you're going to witness an increase in productivity. All controls are in easy reach of the operator to provide greater comfort.

The 450-D is designed with its weight evenly distributed around a center-mount 50 hp engine for better balance. This means more uphill climbing ability than other machines and better traction.

For faster, easier mowing with more beautiful results, call your local Toro distributor for a demonstration of the Reelmaster 450-D or contact Toro at the address below. A machine built from the ground up with proven Toro design experience. And that translates into the kind of productivity no one can argue with.

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AUSTIN, Texas — The probable destruction of a 500-year-old oak tree has caused an outpouring of sympathy from 48 states and 18 countries.

"Cards and letters from all over the world cross my desk," says Austin city forester John Giedraitis. "They all have the same theme: get well soon."

Those affections, however, apparently have not been enough to save the venerable "Treaty Oak."

The tree rests in Caldwell Treaty Oak Park. Paul Cullen, an alleged occultist, is awaiting trial for its poisoning. He faces a possible sentence of up to 10 years in jail and a fine of up to $10,000 for criminal mischief, a felony.

"All over the world, people are watching this," says Giedraitis, who — more than anyone — has been flooded with phone calls from newspapers, magazines and the electronic media. "Right now, this is the most famous tree in the world."

The tree's plight has been followed by the New York Times, USA Today and the Associated Press. Giedraitis himself has appeared on ABC-TV's "Good Morning America."

Unfortunately, the tree is dying a slow death.

Soil samples indicate a massive poisoning from an overdose of DuPont's Velpar herbicide, which penetrated as far as three feet under the soil surface. Giedraitis has worked on advice from scientists at DuPont and tree experts from all over the country (including Dr. Jack Siebenthaler of the American Society of Consulting Arborists) to save the tree. Most recently, 18 irrigation heads that pump spring-water around the crown were installed to sterilize the soil.

"Tissue samples indicate the level of poison going down," Giedraitis says, "but it's not going down fast enough. It's kind of like a race we're losing."

"The tree is dangerously close to the end, even though we really won't know until next spring."

He notes that tests indicate good starch reserves in the root system. "We're hopeful the carbohydrates will move up the stem into the remaining buds," he says.

More than $63,000 — most of it donated by billionaire industrialist H. Ross Perot — has been spent to save the massive tree. The total bill is expected to reach $75,000, Giedraitis says.

The City of Austin bought the Treaty Oak from Earl Caldwell Sr. in 1937 with donations from the city's schoolchildren. The company is now under second-generation ownership.

Since that time, Caldwell's Landscape Service Company has pruned it free of charge. The company is under second-generation ownership.

The original Caldwell's son, Earl Jr., says he's kept his company out of the media spotlight because of its love for the tree.

"It's a very sad thing," notes Earl Jr. "It was a magnificent tree. Now it's dead, the victim of a demonic act by a mentally deranged person."

Adds Giedraitis: "That shadowy figure sealed the fate of the tree. But the real story is the outpouring of love and affection by people all over the world."
The Expedite system, shown here, eliminates almost all chances for accidents, according to landscapers who use it.

**INDUSTRY**

**Biotech, safety are keys to ‘good life’**

ST. LOUIS — Biotechnology will play a bigger role in the lives of Americans and the green industry as they approach the year 2000.

This is how management at the Monsanto Company feels, according to Dr. Mike Montague, manager of research operations.

“Biotechnology is a quantum leap that ranks with the development of atomic and computer technology in this century,” Montague told a group of reporters assembled at Monsanto's Chesterfield, Mo., research facility. “Biotechnology will have that kind of impact on our lives. And we have bet the company on it.”

Monsanto spent $150 million to build its one million square foot facility that includes twenty-six 2600-square foot greenhouses. “Congress and the administration is seeing that, for the U.S. to preserve its way of life, biotechnology and other technologies are absolutely critical,” Montague noted. “Total value of biotechnology-based products could easily be $100 billion by the year 2000.”

In keeping with its goal of producing environmentally-sound products, Monsanto came out with its **continued on page 18**

**INDUSTRY**

**Pesticide manufacturers to pursue lawn, landscape pros**

FAIRFIELD, N.J. — Lawn care operators, golf course superintendents, landscapers and other professional turf managers are being vigorously pursued by pesticide and fertilizer manufacturers.

A recent study by C.F. Kline & Co. says manufacturers are being spurred on by profit incentives rather than market expansion or market size. Kline reports that 1988 sales to turf managers were about $780 million, much lower than the total U.S. consumption of $10 billion. However, sales to the specialty markets are contributing almost as much to company profitability due to lower development and selling costs.

Lawn care operators represent the industry's largest end-use segment, responsible for nearly 45 percent of fertilizer and pesticide sales. Golf course sales are second at 27 percent, and landscapers third at 11 percent (see chart), according to Kline & Co.

The report says competition will get stiffer, and acreage maintained by turf professionals will grow slowly. Manufacturers will increase sales only through the success of new products that chip away at competitors' market shares.
You can use Mavrik Aquaflow is the ideal insecticide/miticide for landscape maintenance.

It is a non-restricted product that is highly effective against the majority of insect and mite problems.

There are no phytotoxicity problems. Mavrik® has been proven safe for hundreds of plant species, even when sprayed right on the blooms.
Mavrik is also very concentrated. So you have less to buy, carry around, or store. It's safe to use and Mavrik leaves no odor and little visible residue.

No matter what kind of insect and mite pests you come up against, hit them with Mavrik Aquaflow. And it'll be over for them.

See your distributor today.

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Use pesticides effectively. Read and follow label directions carefully
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**SHORT CUTS**

**AT LAST, AT LEAST...** After years of bandying about a proposal that they unite for one large national conference and trade show, three of the green industry’s top trade organizations have finally given the go-ahead. Last to embrace the idea was the Associated Landscape Contractors of America (ALCA), whose board of directors approved the plan in July. Also involved are the Professional Grounds Management Society (PGMS) and the Professional Lawn Care Association of America (PLCAA). The event is said to be proposed for October or November, 1990 in Nashville, Tenn.

**TAKE HEED...** “None of us has a crystal ball,” notes industry consultant Charles Vander Kooi. But he’s ready, via his newsletter, to do some predicting. “I feel that in 5 to 10 years, there will be 30 percent fewer companies in this business than there are today. This reduction in contracting firms will not be necessarily due to a poor economy. Rather, I feel it will be due to the fact that certain companies will become more advanced in their use of computers, more sophisticated in their estimating and job costing, and better managers of their businesses. As more companies become that way, they will take more of the available jobs away from those who are not advancing in the way they do their business.”

**BIO BOOM...** Safer, Inc. reports that its sales of non-toxic, biodegradable pesticides more than doubled from April to June when compared to sales for the same period in 1988. And according to Safer’s figures, yearly sales of non-toxic biodegradable pesticides by all manufacturers are now at almost $31 million. “Biodegradability can be measured by examining the residual life of a product,” says Dr. Michael Atkins, Safer’s director of technical services and an entomology professor at San Diego State University. “The shorter the residual life, the more degradable the product.”

**NEW DIRECTIONS...** The H.B. Musser Foundation, according to its president Frank Dobie of Sharon (Ohio) Country Club, is heading in new directions lately. “We’re finally starting to put the concept of the Musser Foundation to work,” he notes. “We’ve reorganized and have concentrated more on searching out more doctoral students for fellowships.” He says the Musser Foundation, if it can increase its principal fund, hopes to eventually present multiple scholarships of $10,000-$12,000 each. “We’re moving ahead,” Dobie notes. For information on contributing to the foundation, call him at (216) 239-2383.
Down in the analysis area on every fertilizer bag, you'll find the "fine print" that tells you what the big print doesn't. Read all of it. Carefully. But most importantly, look at the percentage of Water Insoluble Nitrogen.

**Water Insoluble Nitrogen (WIN)… the key to superior turf.**

The higher the WIN percentage, the longer your turf will remain green. And the less often you will have to fertilize. That's because WIN is the percentage of total Nitrogen that is truly slow release. Freeing small amounts of Nitrogen each time it's touched by water (Par Ex® with IBDU®) or activated by temperature or bacterial action (competitive products).

No competitor can deliver as much usable WIN as Par Ex.

Only Par Ex contains IBDU—a unique Water Insoluble Nitrogen source that is 100% available to your turf in a single growing season. Consider that urea formaldehyde products (bacteria and temperature released) contain about one third of their WIN in the form of plastic polymers. Its long-term Nitrogen release is so slow, it's almost useless, and will most likely occur during the hottest periods, just when you don't want it.

For Sulfur Coated Urea (SCU), research has shown that by the time it is spread, about 50% is immediately soluble, effectively doubling your cost of controlled-release Nitrogen and cutting the benefit in half!

**Be sure to read your bag.**

If the percentage of Water Insoluble Nitrogen isn't listed, there isn't any slow-release Nitrogen. If it is listed, chances are it won't be as high as the WIN percentage in Par Ex. Even if it is, we guarantee you that 100% of what we list as WIN is available to your turf every growing season. That means for every six months of growing, you'll receive an additional 46-53% more usable WIN than our competitors can deliver.

So start building your WIN percentage today. Talk to your local Par Ex Representative or call 813/294-2567. And get all the WIN you've been reading about.

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SEPTEMBER 1989/LANDSCAPE MANAGEMENT 15
For a varie

**Fiesta II**
**Perennial Ryegrass**

This advance generation turf-type perennial ryegrass is setting new standards for quality, color, and performance. Its dark green color, fine leaf texture, and environmental tolerance gives you beautiful and functional results, while its high seed count stretches your grass seed dollar. Use Fiesta II straight or in Futura 2000 where it is blended with Blazer II and Dasher II perennial ryegrasses. A genetically superior combination for perennial turf in the North and overseeding in the South.

**Banff**
**Kentucky Bluegrass**

Banff is a vigorous dwarf variety that was discovered on the Banff Springs Golf Course in Alberta, Canada. There, Banff survived twenty years of continual heavy watering, repeated attacks from snow mold, and close mowing on a putting green. Just imagine what it could do for you. Banff establishes quickly and forms a disease resistant, cold tolerant, dark green turf.

**Touchdown**
**Kentucky Bluegrass**

Since Touchdown's discovery by the late Tom Rewinsky on the National Golf Links of America on Long Island, this elite bluegrass has become the top choice of sod producers. Its aggressive growth habit and rapid establishment crowds out weeds and Poa annua while developing an even, dark green turf.

**Mustang**
**Turf-type Tall Fescue**

Mustang is the tall fescue that looks like bluegrass. Its finer texture, darker green color, and wear and drought tolerance have made it the choice for sports field, sod, park, and home lawn use. Mustang is available straight or in TEAM—a three-way turf-type tall fescue blend that also contains Maverick II and Thoroughbred.

**Colt**
**POA TRIVIALIS**

Colt is an Oregon produced variety that offers you domestic seed production benefits. It combines superior turf performance and turf quality with genetic adaptation to North American growing conditions. It is dark green, shade tolerant, disease resistant, and very winter hardy. Colt is a vigorous, low-growing variety that has excellent overseeding qualities.

**Victory**
**Chewings Fescue**

For the fourth consecutive year Victory was the highest rated commercially available chewings fescue in the national Fine Fescue Trials. Victory is a low growing, shade tolerant variety that has possibly the darkest green color of any other chewings fescue. It exhibits superior uniformity and disease resistance, too. If you like picking winners, pick Victory.
of reasons.

**SHORTSTOP**  
Turf-Type Tall Fescue

Shortstop is the little guy with big benefits. As its name implies, Shortstop is a slower and shorter growing variety of turf-type tall fescue. But don't let its stature fool you. Shortstop is plenty tough. It has heat and cold tolerance, disease resistance and is widely adapted. Shortstop forms a beautiful, dense, uniform turf of finer, darker green leaves.

**BRONCO**  
Kentucky Bluegrass

Bronco is a very wide bladed Kentucky bluegrass that was developed specifically as a mix companion for turf-type tall fescue. While its texture and color gives it the appearance of a tall fescue, the comparison between the two ends there. Bronco is elite Kentucky bluegrass all the way. Its been bred to be less dense so it won't crowd out tall fescue and yet still aggressive enough to fill in and repair damaged areas quickly. That's what makes Bronco ideal for sports turf use.

**CROSSFIRE**  
Turf-Type Tall Fescue

Crossfire turf-type tall fescue is the only strategy you need for battling a summer ambush of heat and drought. Crossfire is a lower and slower growing variety of tall fescue that exhibits a very dark green color. It combines improved heat and drought tolerance with outstanding turf quality to produce a dense and durable turf. Crossfire's high marks in overall performance during its initial evaluation proved it was ready for the field. Let Crossfire show you how to endure a long summer siege.

**SPARAN**  
Hard Fescue

Spartan is a robust, advanced generation of hard fescue that is dark green, leafy, and persistent. It demonstrates excellent cold tolerance and creates attractive, low growing, low maintenance turf. Spartan mixes well with perennial ryegrass, Kentucky bluegrass, and other fine fescues. It is an outstanding component in many shady and low maintenance mixes suited for use on home lawns, parks, and golf course roughs.

**AMERICA**  
Kentucky Bluegrass

America is a low maintenance Kentucky bluegrass that has a dense dwarf growth habit, dark green color, excellent disease resistance, and good shade tolerance. Perfect in mixes, America is ideal for golf course fairways, sod production, playing fields, and home lawns.

Pickseed also produces the following quality turfgrass varieties: Agram chewings fescue, Jasper creeping red fescue, Jazz perennial ryegrass, Alpine Kentucky bluegrass, Exeter colonial bentgrass, and National creeping bentgrass.

Pickseed products are distributed throughout North America by quality seed suppliers.
Death claims Brickman Industries’ founder Theodore Sr.

LONG GROVE, ILL. — The year 1989 has claimed its second landscaping giant with the death of Theodore W. Brickman Sr.

Brickman, founder of the award-winning Illinois-based landscape firm that bears his name, passed away at 82 years of age on Aug. 2. Though he had been inactive in the company for the last 15 years, he remained Chairman of the Board until his death.

The Brickman Group Ltd. bills itself as the country’s largest design-build and horticultural management organization. It is now owned by Theodore “Dick” Brickman Jr.

“He was kind of a spiritual leader up until about a year ago,” says Dick. “Even though he was largely inactive, there’s still an emptiness.”

The senior Brickman, a native of Ontario province, Canada, founded the company in 1939. Though it was not in operation during World War II, it rebounded and blossomed in the 1960s and 1970s. Its seven offices now serve the Midwest and eastern corridor from Boston to Florida. The company has won more than 100 national, regional and local awards for its landscapes.

“From day one, he and I became equal partners,” Dick remembers. “As a father, he was willing to step back and let us younger people take the reins. I hope I have as much wisdom when it’s time to let the younger people in our organization step in for me.”

Further remembering his senior, Dick notes: “(My father) lived a good, full, useful life and touched a lot of people.”

Earlier this year, death claimed John Moulder, one of the founders of Moulder Brothers Inc., a California landscaping giant.

BIOTECH

Expedite pesticide application system earlier this year.

“Expedite fits strategically into our philosophy,” says Dr. Dave Duncan, director of greens business.

The Expedite system includes various herbicides and an exclusive “lance” manufactured in England which will be distributed worldwide by Monsanto.

“We believe we can reduce pesticide exposure (to the applicator) substantially,” notes Monsanto district manager Jerry Steiner.

“And the hand-held unit is just the starting point,” Adds Dr. Duncan: “Expedite will fuel the (Monsanto) machine for more new products. It’s very critical to our plans.”

Landscape managers sold on Expedite include Vicki Phillips of the St. Paul (Mo.) Department of Parks and Recreation and Paul Norman of Washington University.

“Expedite is just amazing,” Phillips says. “You hook it up, you put it on your back and you go.”

TURF TYPE TALL FESCUES

Now, more than ever, the choice of professionals and homeowners

Join the rapidly growing number who select Tall Fescue for:

- richer, darker, dense green turf
- requires low maintenance
- adaptable to a wide variety of soils
- achieves healthy, full growth in all normal climate conditions
- tolerance to heavy shade
- tolerance to heat and drought
- resistance to disease
- durability and longer wear
- year-round beauty and performance

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Rich, green and luxurious Turf Type Tall Fescue gives you the beauty you want with a minimum of care. Excellent for play areas, parks, airfields, roadways, industrial sites and golf courses. Proven disease-resistant, Oregon Grown Tall Fescue seed produces an adaptable, weed-free turf that not only persists through summers and winters, but maintains its beauty. Insist on Turf Type Tall Fescue Seed grown in Oregon!

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"My crew likes the way our Hustlers ride, but I love the way they mow."

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Learning to operate the Hustler is easy. One hand is all it takes to maneuver a Hustler around any obstacle. Twin-lever controls are far less complicated than a steering wheel, gas, clutch and brake pedals, and gear shift. You can have anyone mowing like a pro in minutes, even if they've never operated commercial turf equipment before.

Hustlers cut grass as if your livelihood depends on it. Rugged Hustler mowers are built to withstand years of continual use. And the finished job will keep even the most finicky people smiling.

Buy Hustler for simple operation. For operator comfort, quality cut and unmatched maneuverability, you can't out-mow a Hustler. Call Excel toll free for a FREE Hustler Product Guide, or see your local Hustler dealer today.

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Elanco introduces the unique preemergence broadleaf weed control for golf courses. New Gallery 75DF. An original work of art. And science. With a new chemistry so advanced, it outdates postemergents, saving you time and labor costs.

The Gallery collection includes 44 of your toughest broadleaves such
as spurge, chickweed and white clover. With no reproductions allowed.

All you'll see is masterpiece turf. Free from broadleaves. And free from injury. New Gallery is actually more tolerant to all major species of cool and warm season turf, including bentgrass, than other herbicides. And there's no risk of off-site damage to nearby ornamentals.

Discover the fine art of broadleaf weed control with new Gallery. See your Elanco distributor. Or for a free brochure, call toll-free: 1-800-352-6776.

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The Choice Is Yours...

Whether you select grasses, legumes, wildflowers or ornamental plants to complete your landscape project, the new PS100 mulch blanket from PROSEED can help vegetation get established. Completely biodegradable, the fibers of the PS100 are bonded together by a high strength, flexible adhesive. No netting to affect the final appearance of your work or to bind up in mowers.

Each roll of PS100 covers 50 square yards and the organic matrix of the blanket imparts excellent erosion control characteristics.

So Choose Your Vegetation and Relax

We've Gotcha Covered!

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(512) 392-1900

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ATHLETIC TURF

STMA is ballooning

The Sports Turf Managers Association, which started out with just 64 members in 1984, is fast approaching the 1,000 mark in membership.

“Our renewal rate is 64 percent already this year and we’re signing up about 10 new members a month,” says executive director Mark Hodnick.

Hodnick, supervisor of landscape services at California Polytechnic University in Pomona, was named executive director to succeed Dr. Kent Kurtz earlier this year. The new arrangement is working out nicely.

“But the board of directors will soon have to consider having a full-time executive director,” Hodnick notes. “We’re just getting too big.”

For more information on joining the STMA, write 400 North Mountain Ave., Upland, CA 91786 or phone (714) 981-9199.

Repairing Soldier Field

Soldier Field, home of the Chicago Bears, was supposedly ready for National Football League play on June 15, 1988. But the following month during a nationally-broadcast Bears-Miami Dolphins exhibition game, the grass began to tear, a result of poor rooting.

Ira Berke, director of landscape for the Chicago Park District, and Jim Duggan, landscape construction supervisor for the Chicago Park district, played key parts in the repairs. The decision was made to go with a thick sod in the center of the field between the hash marks. A total of 2,400 yards of 4%-inch thick sod was installed in four days and treated with heavy topdressing and aerification.

Berke and Duggan encountered two problems: soil interface and drought. “We had sod grown on black earth installed on top of sand. We had 42 days to work with, and 35 of those days were over 90°F. The roots and grass want to go dormant in those high temperatures.”

Berke and Duggan dealt with those two problems through heavy topdressing, aerification and irrigation.

Berke liked the PAT (Prescription Athletic Turf) system’s drainage advantage, but admits that no field is perfect. “When you’re sold on the PAT system, you’re sold on the idea that it’s going to solve all of your problems, which it won’t. Any field that gets a heavy amount of play is going to tear. The amount it tears depends on what kind of climate you’re in.”

1990 conference

The Sports Turf Managers Association’s annual conference and show will be Jan. 19-21 in Houston, Texas. Theme is “Sports Turf: Heart of America in the 1990s;” keynoter is Dr. Jim Watson of the Toro Company.

For more information, contact the STMA at 400 Mountain Ave., Suite 301, Upland, CA 91786; phone (714) 981-9199.

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Introducing the Ford C series. 
A new standard of uptime performance.

Hot Iron has it. Cold iron doesn't.
Hot Iron protects your profits, and puts money in the bank. Cold iron takes the profit out of a job, and sends it down the drain.

The new Ford C series tractor loaders and tractor loader backhoes are built for profitable uptime performance, with more push, pull, lift, load, digging and staying power.

More push, pull and lift
New Ford loaders lower your cost per yard. With fully synchronized power-reversing transmissions, you get faster shuttling, with sure-footed stability.
Higher payload buckets and high output hydraulics cut bucket loading time.

New 8 x 8 transmission
If you're looking for a great landscape loader, look at the new model 455C. Equipped with a new 8 x 8 power-reversing transmission with torque converter, it's ready for any or all loading and landscaping jobs.
You get greater gear selection with ground speeds ranging from 1.5 to 20 mph . . . a full power independent PTO . . . and a torque converter lockup. With the torque converter lockup, you maintain constant ground speeds for grading, mowing, rototilling or roading.

A great place to work
Climb aboard one of these new operator platforms and experience the industry's best design for operator comfort and convenience.
Low-effort, smooth-running controls are positioned so you'll work faster with less fatigue.

See your Ford Tractor dealer for a demonstration. He's listed in the Yellow Pages under "Contractor's Equipment & Supplies."
Find out how good a tractor loader can be.
We have our product

THE BROADMOOR-SOUTH COURSE
Colorado Springs, Colorado

NCR COUNTRY CLUB
Dayton, Ohio

CHANTICLEER COURSE
GREENVILLE COUNTRY CLUB
Greenville, South Carolina

THE INTERNATIONAL
Bolton, Massachusetts
grounds for claims.

You've heard it before. "This stuff will get rid of your Poa annua. Blah, blah, blah, blah."

Well, Scotts. TGR Poa Annua Control will help you get rid of your Poa. And we've got grounds to prove it.

Golf courses with tough Poa annua problems. And demanding superintendents. Over 2,000 courses, all over the country, are now using it successfully in their maintenance programs.

The result? Scotts TGR Poa Annua Control has lived up to its claims.

That's because Scotts patented TGR formulation contains paclobutrazol and is the only controlled-release, fertilizer-based Poa control product. The only product that halts the growth of Poa, then encourages the growth of desirable grasses to overtake it.

And since Scotts TGR Poa Annua Control is dry-applied, you get more even coverage, and less potential for volatility and chemical breakdown. So you can be assured of safe consistent results when used as directed.

Your Scott's Tech Rep can give you more facts and figures. Or you can just call us at 1-800-543-0006.

The only holes in our claims have flags in them.

TGR Poa Annua Control

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Circle No. 160 on Reader Inquiry Card
### 1. Equipment

#### Aerators, Aquatic
- Applied Biochemists Inc
- Classen Mfg
- Deere & Co
- Giant-Vac Mfg Inc
- Otterbine/Barebo Inc

#### Aerators, Soil
- Aer-Way
- BEFCO Inc
- Brinly-Hardy Co
- Howard S Crane Inc
- Cushman
- Dandl Mfg Co
- Dedoes Industries Inc
- Feldmann Engineering & Mfg Co
- Fuerst Brothers Inc
- Gandy Co
- Green Care Intl
- Green Pro Services
- Hahn Inc
- Hoffco Inc
- Howard Rotavator Co
- Jacobsen Div

#### Aerial Lifts
- Arborchem Products Co
- Hi-Ranger Inc
- Promark Products Inc
- Reach All Inc

#### Anchors, Earth
- BASF Corp Fibers Div
- A B Chance Co
- Foremost Products Inc
- Hoffco Inc
- Mar-Mac Mfg Co

#### Aquatic Weed Harvesters
- Air-Lec Industries Inc

#### Augers
- Ariens Co
- Ditch Witch
- Feldmann Engineering & Mfg Co
- Hoffco Inc

### Chemical Companies

#### Chemical Companies
- JISCO
- Johnson’s Industrial Supply Co
- F D Kees Mfg Co
- LESCO Inc
- Moyer & Son Inc
- Otterbine/Barebo Inc
- Professional Tree & Turf Equipment
- Salsco Inc
- Sensation Div
- Snapper Power Equipment
- Steiner Turf Equipment Inc
- Tanaka Ltd
- Terricare Products Co
- Toro Co
- Verti-Drain

#### Equipment
- Aerators, Aquatic
- Applied Biochemists Inc
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- Deere & Co
- Giant-Vac Mfg Inc
- Otterbine/Barebo Inc

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- Sensation Div
- Snapper Power Equipment
- Steiner Turf Equipment Inc
- Tanaka Ltd
- Terricare Products Co
- Toro Co
- Verti-Drain

### Seed Varieties

#### Seed Varieties
- JISCO
- Johnson’s Industrial Supply Co
- Kubota Tractor Corp
- Little Beaver Inc
- Melroe Co
- Otterbine/Barebo Inc
- Seymour Mfg Co
- Solo Inc
- Tanaka Ltd

### Backfillers
- Bomford & Evershed Ltd
- Bush Hog
- Ingersoll Equipment Co

### Back Hoes
- American Trencher Inc
- J I Case Outdoor Power Equipment Div
- Howard S Crane Inc
- Deere & Co
- Ditch Witch

### Sod Staples

#### Sod Staples
- Mar-Mac Mfg Co., Inc.
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- Johnson’s Industrial Supply Co
- Kubota Tractor Corp
- Little Beaver Inc
- Melroe Co
- Otterbine/Barebo Inc
- Seymour Mfg Co
- Solo Inc
- Tanaka Ltd

Backfillers
- Bomford & Evershed Ltd
- Bush Hog
- Ingersoll Equipment Co

Back Hoes
- American Trencher Inc
- J I Case Outdoor Power Equipment Div
- Howard S Crane Inc
- Deere & Co
- Ditch Witch
High Density Polyethylene Float:
Filled with US Coast Guard approved closed cell foam. Always floats level, stays afloat even if punctured or damaged. SS fasteners provide longer life.

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Designed specifically for aeration. Runs longer and cooler at 1725 RPM. Easy to maintain. Rebuildable, not disposable.

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Developed by a major oil company for lubricating and very low dielectric capabilities. Acts as heat transfer.

Power Control Center:
Exclusive Westinghouse motor controls provide maximum built-in protection. UL, CSA and ETL approved. Standard equipment, not an option.

Safety Tested:
All Otterbine aerators are safety tested and approved by ETL.

High Volume, Low Pressure Impeller:
Designed to aerate and move large volumes of water. Precision pitched Stainless Steel affords increased efficiency.

Plug-Type Underwater Connector:
Designed for Otterbine. Easy connect and disconnect makes installation and service simple.

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1250
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1HP 2HP 3HP 5HP

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Kubota Tractor Corp
Massey-Ferguson Inc
Melroe Co
Woods Div

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American Playground Corp
BigToys
Outdoor Products & Supply Inc
Playworld Systems
Standard Golf Co

Blades

American Trencher Inc
Ariens Co
Bolens Corp
Bomford & Evershed Ltd
Bush Hog
J J Case Outdoor Power Equipment Div
Earl J Crane Inc & Assoc
Howard S Crane Inc
Deere & Co
Deutz-Allis Corp
Ford New Holland Inc
Grasshopper Co
Grazer Div Willsey-D
Kubota Tractor Corp
Lawrence Inc
Massey-Ferguson Inc
Simplicity Mfg Inc
Steiner Turf Equipment Inc
Waldon Inc
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Wheel Horse Products Inc
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Bleachers

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Circle No. 112 on Reader Inquiry Card

28 LANDSCAPE MANAGEMENT/SEPTEMBER 1989
Dear Golf Course Superintendent:

We hold ourselves responsible for a large area aerator you may have recently purchased that, in all honesty, does not live up to the highest level of quality you deserve. We apologize for not having the new Cushman® GA60 Large Area Aerator available for the fall aeration season. We’re sorry, because the GA60 quite simply offers greater value and performance than any other competitive large area aerator on the market today.

If you have not yet purchased a large area aerator, we encourage you to wait a few months. Because if you wait, we won’t feel badly...and neither will you.

You’ll be able to purchase a Cushman Turf-Truckster™ and a GA60 for about the same money that our competitor asks for their tractor-pulled reciprocating fairway aerator alone.* The GA60 has its own power source for more consistent quality. And, it features the coring heads of the proven Ryan GA30, delivering higher quality holes for greens-caliber aeration.

The GA60's unique 5th wheel configuration also gives you less soil compaction, a zero turning radius while aerating, and quick attachment and detachment — no mechanical alterations or gear replacements are required.

Cushman GA60’s have been undergoing rigorous field-testing for nearly a year now, and they’ll be demonstrated in many parts of the country this fall. Be watching for a demonstration in your area.

I'm confident that once you see the new Cushman GA60, you'll agree that it was well-worth the wait.

Sincerely,

Frank McDonald
Marketing Director

P.S. If you'd like more details on the Cushman GA60 Large Area Aerator, just call toll free 1-800-228-4444.

*Based on August '89 price survey.
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Circle No. 261 on Reader Inquiry Card
All signs point to a hassle-free cleanup season

Debris never falls where you want it. That's the hassle. And that's why it makes sense to have debris cleanup machines that can work anywhere. Machines like the John Deere 142, 152, and 162 Vacuum Sweepers.

All three work equally well on turf or pavement because they don't have wear parts beating the ground. They use vacuum power.

A heavy-duty steel impeller is the key. It creates tremendous suction and can handle everything from leaves and clipings to cans and bottles—actually crushing and mulching the material before it goes into the hopper.

The 142 and 152 are engine-powered, so they can be used with any tractor 20 horsepower or above. The 142 clears a 4-foot swath while the 152 eats up 5 feet of debris on every pass.

The PTO-driven 162 also clears a 5-foot swath and requires a 40 horsepower tractor. And, like the 142 and 152, you can empty the hopper without leaving your seat.

Talk to your John Deere distributor today for more information on all we have to offer. Or write John Deere, Dept. 956, Moline, IL for free literature. We know you're going to like what you see.

John Deere vacuums work equally well on turf or pavement because they have no wear parts beating the ground.

John Deere blowers, like the 3 point hitch mounted 230, fit well into any cleanup operation.

Nothing Runs Like a Deere®
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| Filters, Sand | Claude Laval Corp | Morie Co |
| Forklifts   | Bomford & Evershed Ltd | Brouwer Turf Equipment Ltd |
| Forklifts   | Bomford & Evershed Ltd | Brouwer Turf Equipment Ltd |
| Generators  | Ariens Co | Earl J Crane Inc & Assocs | Howard S Crane Inc |
| Generators  | Ariens Co | Earl J Crane Inc & Assocs | Howard S Crane Inc |
| Golf Cars   | Club Car Inc | Columbia ParCar Corp | E-Z-GO Textron |
| Golf Cars   | Club Car Inc | Columbia ParCar Corp | E-Z-GO Textron |

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** Lighting Systems**

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Otterbine/Barebo Inc
Rain Bird Sprinkler Mfg
If These Nationals Climbed Hills any Better They’d Have Four Legs, Two Horns & Live in the Rockies!

See for yourself why there’s nothing as nimble on any turf as a National Triplex. Call today for a FREE video.

(612) 646-4079

SINCE 1919
NATIONAL MOWER COMPANY
700 Raymond Avenue
St Paul, Minnesota 55114
FAX (612) 646-2887

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E-Z-GO's gas-powered GXT-1500 is a real workhorse packed with hauling power, carrying two passengers and up to 1,500 pounds. Its extra long bed holds 19 cubic feet, and has removable sides and tailgate for easy loading. For on-the-spot maintenance, the GXT-1500 has a tilt dash, tilt seat and dump body, so that every part of its new, sturdy, more powerful, 20 horsepower, two-cylinder engine is within easy reach. With easy adaptability to virtually every type of turf accessory available, the GXT-1500 tackles the task whatever the terrain, whatever the need. Unquestionably, the toughest turf vehicle on earth. And that's just one of the full team of dependable, three and four wheel, gas and electric utility vehicles from E-Z-GO. The toughest, most versatile turf vehicles going.

E-Z-GO Division of Textron Inc.
P.O. Box 388, 1451 Marvin Griffin Road, Augusta, Georgia 30913-2699

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The World's Top Courses
Aren't Cutting with a National Mower Because
It's Pretty!

Discover why National Triplexes are the 1st Choice of the world's top turf professionals. Call today for a FREE video.

(612) 646-4079

NATIONAL MOWER COMPANY
700 Raymond Avenue
St Paul, Minnesota 55114
FAX (612) 646-2887

Circle No. 145 on Reader Inquiry Card
If You Knew How Little it Costs To Buy & Run a National You Wouldn't Buy any Other Triplex!

Before you make a final purchase, check the true value National Mowers offer. Call today for a FREE video.

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Giant-Vac Mfg Inc
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Gravely Intl Inc
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Bowie Industries invented the Hydro-Mulcher®. And whether you specialize in large or small projects, Bowie makes a Hydro-Mulcher that will save you money. The Bowie Victor 800 is ideal for lawn and landscape jobs.

Like all our equipment, the Victor 800 is built Bowie tough for long, trouble-free service. Its 800 gallon tank can easily spread 350 pounds of mulch over 8,000 square feet in one application. The Bowie Victor 800 is equipped with a built-in shredder bar, and uses twin agitators to keep slurry homogeneous. Call or write Bowie today. We make serious equipment for serious landscapers.

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THE MODEL 1200 IS THE MOST ADVANCED SEEDER/MULCHER EVER DEVELOPED!

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Introducing a powerful new force in riding rotary mowers.


Now there’s the new diesel-powered model Cushman 807. Its totally integrated power train and new hydraulically-powered steering gives you unmatched performance over the long run. The 807 dispatches thick, wet grass on tricky maneuvers around obstacles without losing ground speed. No other rotary mower gives you a cleaner cut.

At the heart of the new, four-wheel 807 is a powerful 21.5 horsepower, 3-cylinder Kubota 950 diesel engine. We’ve also included a heavy-duty Donaldson air cleaner and a new, heavy-duty Cushman PTO clutch to keep your new Cushman Front Line running longer. A complete family of Cushman Front Lines and a wide range of accessories are available to meet all your needs all year round.

Choose a 3 or 4 wheel design with 60- or 72-inch side or rear discharge mower deck. Or add the exclusive Cushman Grass Caddy™ system, which lets you cut, catch, and hydraulically dump 16 bushels of clippings without leaving the seat.

For a convincing demonstration contact your Cushman dealer today. Or call toll-free: 1-800-228-4444.
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Reinco Hydrograssers and Power Mulchers offer you the dependability you need because they are designed with the operator in mind. Our Hydrograssers range in capacity from 800 to 3500 gallons and feature easier to maintain "Hydro-Jet" agitation. Reinco Power Mulchers utilize time proven straight through drive while the M80C offers as standard a variable speed automated bale feed system.

Dealer inquiries invited.

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42 LANDSCAPE MANAGEMENT/SEPTEMBER 1989
The details show that even as Bunton mowers improve they still remain the same.

In these days of a highly competitive grounds maintenance industry, with many look-alike products, it's no longer good enough to simply say you're the best. You have to prove it. That's why it's more important than ever to examine the details before making your mower investments.

Bunton Company was founded on the belief that quality should never be compromised when engineering a commercial mower. As new features are added, it is done in the same tradition that has helped Bunton mowers maintain their integrity on the job year after year for over thirty years. Take a close look at the others and you'll find that the Bunton details really do make the difference.

Heavy gauge welded steel deck, handles and casters on Bunton mowers assure integrity and long life.

The larger output shaft pulleys on Bunton mowers increase the top ground speed by up to 20%, and for optimized mowing performance, ground speed can be changed while mowing, without changing the blade and engine speed.

Bunton 36", 48", 52" and 61" mowers feature dual section V-belts for improved belt life due to decreased slippage under wet conditions.

Straight V-belts are wrapped without twists or back-bends on Buntons for increased belt life.
New Gemini hydrostatic direct drive, with smooth “natural” controls, distinctive outfront design, and zero-turn-radius maneuverability give you the ultimate in time-cutting performance and value.

Become more efficient. Get the most from your grounds maintenance dollars. Count on the new 700 Series from Grasshopper. The new Gemini direct drive brings new standards of time-saving productivity, lower maintenance costs and long-lasting durability to turf care.

Operation is streamlined and simple. A dual-lever control system reduces fatigue by placing total command of speed, turns, braking and forward/reverse in the palm of your hand. Zero-turning-radius and outfront decks eliminate wasted motion. You can turn on a dime, reach under low-hanging trees and shrubs, maneuver between and around obstacles and trim close with unrestricted visibility.

The bottom line...Grasshopper delivers lasting value that meets the test of time — time after time!

For year-round versatility, add Quik-D-Tatch® vacuum grasscatchers for clippings or leaf pickup, a dozer blade, rotary broom, snowthrower, ROPS and cab enclosure.

Grasshopper mowers are available in six models, from 11 to 21 hp, with cutting widths from 35 to 72 inches.

Ask your Grasshopper Dealer to demonstrate why Grasshopper is the best value in a hydrostatic zero-turn-radius mower. Write for free literature.

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ANNOUNCING

LDW signals a new lineup of engines from Lombardini and a new era in liquid cooled diesel technology. LDW includes both full overhead control system (FOCS) and compact, heavy duty (CHD) engines, each of which sets new standards for economical, liquid cooled diesel performance.

Each of these smooth running engines is completely original, beginning with the design, and both offer the ultimate in low vibration, quiet operation and economy. The FOCS series houses all critical components in the cylinder head to ensure minimum dimensions and easy installation and maintenance.

An indirect fuel injection system uses unit pump injectors rather than the traditional, separate components. This eliminates fuel lines and allows the FOCS to deliver optimum precision of fuel delivery throughout the performance curve.

Overall engine noise is minimized by the use of a heavy duty, toothed belt camshaft drive. A choice of two, three or four cylinder in line configurations let you match FOCS power to your exact needs.

Our CHD also features indirect fuel injection. Using specifically designed individual fuel injection pumps, maximum accuracy of fuel delivery is ensured at all speeds. Multi-cylinder configuration, reduced unitary displacement and liquid cooling make the CHD ideal for use in applications where operator comfort is of the highest concern.

Power ranges are 12-22 hp for the FOCS and 25-48 hp for the CHD. Specific fuel consumption is just 0.42 lbs/hp/hr., the lowest of any small, indirect injected diesel. Excellent torque backup of 15% at 60% of maximum rated load means you'll have the power you need, when you need it.

The new liquid cooled lineup from Lombardini: advanced power for your toughest applications.
THE NEW STANDARD IN OVERSEEDING AND INITIAL SEEDING

America's finest turf seeder is built in America by the finest name in grain drills, Great Plains Manufacturing. The metering and placement systems are tailor-made for turf grass seeds, while optional knife spacings are available in 2", 3" and 4" centers for seeding productivity.

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The team to make easy work of your turf maintenance program. For golf courses, school boards, municipalities, highway, parks and recreation departments, airfields and landscapers, there is a Brouwer product for you.

Brouwer builds rugged dependability and superior quality into every product, and that means value - not only when you buy but also in the "second to none" after sales service that will keep your machinery down-time low, and you happy to have Brouwer on your side. Check these outstanding products, from the rugged, economical mowers, the high capacity Brouwer Vac to the turf renovating team of the Sod Cutter MK2 and one of those turf rollers, no matter, the Brouwer team can fit the bill...and your budget.

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4. Sod Cutter MK.2™
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6. Turf Rollers 130, 224 & 235
7. 5 Gang Vertical Mower

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SEPTEMBER 1989/LANDSCAPE MANAGEMENT 47
Equipment for the turf care professional.

**Olathe**

Setting the standards for sweepers.

Feel like your grass clippings may be getting ahead of you? Try this model 54HL 5' self-propelled sweeper unit with high lift for large area cleanup. 24hp engine, hydraulic-drive, with optional thatcher, sweeps wet or dry materials using 'sure-grip' rubber fingers.

Olathe personnel have been helping solve leaf/debris problems for over 30 years. Ranging in size from our model 42 (36' wide, 5hp tow-behind) to the large area tow units which are the 166E, the 166H and the 65 PTO (all with 5' width, 5 cu. yd. capacities). Ground and high lift models.

- Model 166E PTO powered tow-type
- Model 166E 5' hydraulic ground dump
- Model 166H 5' width, 81/2' lift
- Model 65 PTO-powered 5' width
- Model 42 tow type: 1/2 cu. yd. 5 hp, 3' swath, finger or brush rakes
- Model 41MV5 66” wide tow-type, self-contained with 7 cu. yd. capacity

Write or call your local Olathe/Toro dealer for free demo or call 1-800-255-6438.

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- Guest Industries Inc
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- Green Pro Services
- Nature's Touch
- Outdoor Products & Supply Inc
The art of application for maximum germination.

<table>
<thead>
<tr>
<th>SEED</th>
<th>BRAND</th>
<th>POUNDS OF SEED PER 1000 SQ. FT. AT 2.5 LBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENTGRASS</td>
<td>PENNEAGLE</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>PENNCROSS</td>
<td>2.0</td>
</tr>
<tr>
<td>KENTUCKY BLUEGRASS</td>
<td>ASPEN</td>
<td>1.3</td>
</tr>
<tr>
<td></td>
<td>RUGBY</td>
<td>1.3</td>
</tr>
<tr>
<td></td>
<td>PARADE</td>
<td>2.2</td>
</tr>
<tr>
<td></td>
<td>SCALDIS HAIR</td>
<td>.2</td>
</tr>
<tr>
<td></td>
<td>RUBY CREEP</td>
<td>.2</td>
</tr>
<tr>
<td></td>
<td>GALWAY TA</td>
<td>.3</td>
</tr>
<tr>
<td>FESCUE</td>
<td></td>
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<tr>
<td>RYEGRASS PERENNIAL</td>
<td>PENNEAGLE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PENNCROSS</td>
<td></td>
</tr>
<tr>
<td>MIXTURE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Two-inch spacing between rows gives you a dense pattern for one-pass application. Gandy\textsuperscript{\textregistered} precision metering and an easily removed disc-type seed delivery system places the seed directly into the slits for uniform seed/soil contact allowing maximum germination.

The result is a lusher, thicker lawn.

The Ryan\textsuperscript{\textregistered} Mataway\textsuperscript{\textregistered} Overseeder gives you the flexibility to power rake, overseed, or to do both at the same time. Call today or contact your nearest Ryan dealer for more information and a free test drive demonstration.

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Patented mulching chamber reduces volume of leaves and ground litter by an easy-to-handle ratio of 10 to 1.

Reduces your trips to the landfill location and your dumping expenses by as much as 80% to 100%.

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50 LANDSCAPE MANAGEMENT/SEPTEMBER 1989
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Yes, I want to know more about how I can take that next step to greater job efficiency and cost effectiveness.

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This one-pass grounds maintenance machine removes thatch, aeration plugs, and debris in a 5-foot swath — and mulches the materials, so they pack better and decompose faster.

Mid-flex design and 10" rollers on the floating deck give the PTO-driven flail Rake excellent tracking. An accessory hand-held vacuum hose is also available for the Vac, which is powered by its own 11 H.P. gasoline engine.

The large 128 cu. ft. capacity trailer, with automatic endgate, tilts for easy unloading.

Ask about the convenient terms available with Goossen's all-new TurfTeam Leasing.
MOST COMMERCIAL MOWERS DON'T HAVE THE GUTS TO MAKE THIS COMPARISON.

Look carefully at a Scag mower. Then compare it to the competition. Scag commercial mowers outperform and outlast the competition time and time again. Why? Because Scag commercial mowers are simply the best, from the inside out.

Scag also manufactures a complete line of commercial riders from 40- to 72-inch cutting decks and 13 to 20HP engines, plus a new 61-inch hydrostatic rider. See the complete line of Scag commercial mowers today.

- New 72-inch deck with Kohler electric start engine makes short work of long jobs. Walker decks available from 32- to 72-inch cutting widths, 8 to 20HP engines.
- Five-speed gear box gives Scag walkers a faster ground speed than many competitive belt driven machines.
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- Scag's Twin Power Belt doubles friction to pulley surface.
- "No-tread" floatation caster wheels and carefully balanced deck combine to give a manicure-finish cut every time.
- Oversized pulleys and heavy-duty spindle housings are engineered for durability and serviceability.

SIMPLY THE BEST

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MEET THE PRO

EXPEDITED
by Monsanto
EXPEDITE™: THE PROFESSIONAL SYSTEM

PROfessional system of solutions
Expedite provides a complete pesticide delivery system, consisting of specially formulated, premixed pesticides and an application lance. Designed to solve a variety of application problems with ease and convenience, Expedite offers professional results through an advanced spray application technology. Additional chemistry is being developed to expand the Expedite product portfolio.

PROgrammable control and accuracy
Easy-access controls on the Expedite lance let you adjust swath width, droplet size and flow rate for precise, accurate spraying. Two application discs let you match spray patterns to varying situations. Plus, the built-in pacer control allows for consistent walking speed and accurate calibration. It all adds up to efficient, low-volume spraying you can program for superior performance.

PROmotes effective weed control
Both the Expedite grass and weed herbicide and broadleaf herbicide are specially formulated to provide effective control of labeled weeds. And the visible spray pattern lets you see exactly where you're spraying for improved accuracy. As a result, you can count on Expedite for general trimming and edging, spot treatments and broadcast applications.
PROfitability improves
Cost-effective Expedite lowers your expenses by making spraying a fast, efficient, one-man operation. Downtime is substantially reduced and so are additional equipment and application costs. The premixed chemicals are designed to eliminate mixing errors and waste for even more savings.

PROductivity increases
Expedite puts an end to time-consuming stop-and-start spraying. There's no mixing, measuring, water hauling or pumping. In fact, one 5-liter pack of Expedite pesticide covers up to one acre—the same as refilling a 3-gallon backpack sprayer 28 times! Just hook up, prime and spray—faster and farther than ever before.

PROtects your workers
Expedite provides a closed system, and is designed to reduce worker exposure to pesticides. Ready-to-apply formulations come in specially designed 5-liter cartons that fit right into the backpack, so there's no exposure from mixing. Cleanup is simple and easy. And the lightweight Expedite lance and backpack minimize worker fatigue.
THE PROFESSIONAL SYSTEM FOR PROFESSIONAL RESULTS.

The PROfessional system
Expedite provides a pesticide application system with everything you need for professional spraying.
- Rechargeable Battery-Powered Lance
- 2 Application Discs
- Serrated — for broadcast spraying and banding (12"-36" swath)
- Square — for trimming, edging and spot treatments (6"-24" swath)
- Disc Ejector Tool
- Calibration Cup
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*We PROMise
Our 90-DAY GUARANTEE* assures a full refund if you're not satisfied with Expedite equipment or pesticides. In addition, our ONE-YEAR WARRANTY* covers all Expedite lance parts and repair costs for one year from the date of purchase.

Meet the PRO today!
Solve your pesticide application problems like a pro, with the new system of solutions: EXPEDITED.

For more information about Expedite call toll-free
1-800-225-2883 now.

*For complete details refer to the warranty provided with the Expedite lance.

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Choose the subsurface irrigation system that leaves your designs unspoiled by unsightly, vandal-ridden sprinkler heads and bubblers. Choose Aquapore! Eliminate callbacks and replacement plantings from improper watering and stressful wet/dry cycles. Choose Aquapore!

Aquapore's patented, rubber and polyethylene pipe is porous and flexible, featuring a unique weeping action that dispenses water and fertilizers uniformly to the root zone. It reduces water consumption as much as 50 percent — important to drought-plagued areas, and because there's no runoff, liability risks are minimal.

Choose an irrigation system that's simple to install, even for your sophisticated layouts; one that saves you time and money. Choose Aquapore! Select a system that's ideally suited for any commercial or residential situation — your options are limitless! Choose Aquapore!

Now that you've chosen Aquapore, write or call us for detailed information about the Aquapore system and the name of our nearest distributor.

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Font'N-Aire® is an aesthetically appealing, floating fountain that is biologically functional as well as visually appealing. Font'N-Aire® aids in the removal of unsightly algae in ponds and lakes without the use of chemicals or herbicides.

To improve water quality, Font'N-Aire® pulls oxygen deficient water from the depths and propels it as small droplets into the air. With an assortment of attractive spray patterns and horsepower ranges, Font'N-Aire® is capable of taking care of any of your fountain/aeration needs.

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- Easy to install
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- Uses a more efficient, reduced horsepower pump
- Floating unit automatically adjusts to water level
- Additional units can be incorporated at a later date
- Lighted models available

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2. Equipment Companies

A C F Inc
9413 Burge Ave
Richmond VA 23237
804-743-9558

Advanced Drainage Systems Inc
3300 Riverside Dr
Columbus OH 43221
614-457-3051

Aer-Way
20 Phoebe St
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519-863-3414
Fax 519-863-2398

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MARUYAMA U.S., Inc.
15436 N.E. 95th St.
Redmond, WA 98052
P.O. Box 2167, Redmond,
WA 98073/(206) 885-0811
FAX (206) 885-0123

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Chiyoda-Ku, Tokyo, 101 Japan
Branch offices: Paris, Singapore

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<td>Allied Products Inc</td>
<td>1816 Settlers Oval, Cleveland OH 44145</td>
<td>216-871-8909</td>
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<td>American Playground Corp</td>
<td>1801 S Jackson St, Anderson IN 46016</td>
<td>317-642-0288</td>
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<td>American Road Equipment Co</td>
<td>4201 N 26 St, Omaha NE 68111</td>
<td>402-451-2675</td>
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<td>American Trencher Inc</td>
<td>503 Gay St, Delhi IA 22223</td>
<td>319-922-2961</td>
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<td>Ames Co</td>
<td>PO Box 1774, Parkersburg WV 26102</td>
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<td>AMETEK/Plymouth Products Div</td>
<td>502 Indiana Ave, Sheboygan WI 53081</td>
<td>414-437-9335</td>
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<td>Anchor Swan</td>
<td>PO Box 509, Worthington OH 43085</td>
<td>614-548-6511</td>
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<td>Applied Biochemists Inc</td>
<td>5300 W County Line Rd, Mequon WI 53092</td>
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<td>Aquapore Moisture Systems</td>
<td>PO Box 62710, Phoenix AZ 85005-6710</td>
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<td>Arborchem Products Co</td>
<td>PO Box 1567, Fort Washington PA 19034</td>
<td>215-659-7922</td>
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<td>3203 W Lincoln Way, Wooster OH 44691</td>
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<td>Atlantic Construction Fabrics Inc</td>
<td>9413 Burge Ave, Richmond VA 23237</td>
<td>804-743-9558</td>
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<td>1355 Evans Ave (44305)</td>
<td>216-630-9822</td>
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<td>Badger Chipper Co</td>
<td>6 Johnson Ct, Bay City MI 48706</td>
<td>517-894-4579</td>
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<td>B &amp; G Equipment Co</td>
<td>Rte 611, PO Box 130, Plumsteadville PA 18949</td>
<td>215-766-8811</td>
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<td>BASF Corp Fibers Div</td>
<td>Geomatix Systems, Enka NC 28728</td>
<td>704-667-7713</td>
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<td>BEFCO Inc</td>
<td>1781 S Wesleyan Blvd, Rocky Mount NC 27803</td>
<td>919-977-9920</td>
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<td>Berkeley Pumps</td>
<td>725 S Ann St, Delavan WI 53115</td>
<td>414-728-4224</td>
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<td>Big John Tree Transplanter Mfg Inc</td>
<td>Hwy 110 East, PO Box 608, Heber Springs AR 72543</td>
<td>501-362-8161</td>
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<td>BigToys</td>
<td>2001 S Hood St, Tacoma WA 98409</td>
<td>206-572-7611</td>
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<td>Billy Goat Industries</td>
<td>1803 S Jefferson, Lee's Summit MO 64063</td>
<td>816-524-9866</td>
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<td>Bloch &amp; Co</td>
<td>PO Box 18058, Cleveland OH 44118</td>
<td>216-371-0979</td>
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<td>BlueBird International Inc</td>
<td>2778 S Tejon, Englewode CO 80110</td>
<td>303-781-4458</td>
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<td>Bolens Corp</td>
<td>215 S Park St, Port Washington WI 53074</td>
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<td>Bomford &amp; Evershed Ltd</td>
<td>Salford Priors, Nr Evesham, Worcs England WR11 5SW</td>
<td>(0788) 773383</td>
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<td>Briggs &amp; Stratton Corp</td>
<td>12301 W Wirth St, Wauwatosa WI 53222</td>
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<td>Brillon Iron Works Inc</td>
<td>200 Park Ave, Brillion WI 54110</td>
<td>414-756-2121</td>
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<td>Brinly-Hardy Co</td>
<td>340 E Main St, Louisville KY 40202</td>
<td>502-585-3351</td>
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<td>Brouwer Turf Equipment Ltd</td>
<td>Woodbine Ave, Keswick ON Canada L4P 3E9</td>
<td>416-476-4311</td>
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<td>N Market Sq, Dakota City NE 68731</td>
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<td>Buckner Irrigation</td>
<td>4381 N Brawley Ave, Fresno CA 93711</td>
<td>209-275-0500</td>
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<td>Bunton Co</td>
<td>PO Box 33247, Louisville KY 40232</td>
<td>502-866-0350</td>
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<td>Bush Hog</td>
<td>Div Allied Products Corp, Selma AL 36701</td>
<td>205-872-6261</td>
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<td>Cambridge Soil Services of America Inc</td>
<td>106 Robert Drive, Glencoe AL 35905</td>
<td>205-492-7847</td>
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<td>Carlson Engineering &amp; Mfg Inc</td>
<td>68 Minwood Ave, Tallmadge OH 44278</td>
<td>216-633-5156</td>
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<td>J I Case Outdoor Power Equipment Div</td>
<td>700 State St, Racine WI 53404</td>
<td>414-636-6011</td>
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<td>J A Chance Co</td>
<td>210 North Allen, Centralia MO 65240</td>
<td>314-682-8450</td>
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<td>CHI Industries Inc</td>
<td>PO Box 1148, Benton Harbor MI 49022</td>
<td>616-849-3400</td>
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<td>Chipmore Mfg Co</td>
<td>6 Johnson Court, PO Box 671, Bay City MI 48707</td>
<td>517-894-4578</td>
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<td>J A Cissel Mfg Co</td>
<td>PO Box 339, Farmingdale NJ 07727</td>
<td>201-936-6600</td>
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<td>Classen Mfg Inc</td>
<td>1403 Industrial Rd, Norfolk NE 68701</td>
<td>402-371-2294</td>
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<tr>
<td>Club Car Inc</td>
<td>PO Box 4658, Augusta GA 30917-4658</td>
<td>404-363-3000</td>
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Introducing the Cushman® GT-1. Suggested retail price: $3,395.00*.

When you can have Cushman quality at a competitive price, there's no reason to accept second best.

The new Cushman GT-1 utility vehicle will outperform and outlast any converted golf cart on the market. Its frame and chassis are stronger and more durable. You'll find a bed made of 14-gauge steel instead of 16-gauge steel. One-inch axles instead of 3/4-inch axles. And a proven Kohler industrial engine that's more reliable and easier to maintain.

When you need a utility vehicle that's been specifically designed for work instead of one that's been converted from play, contact your Cushman dealer for a GT-1 demonstration. Or call toll-free 1-800-228-4444 for more information today.

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800-222-4653

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Alexandria MN 56308
612-852-7500
800-328-2047
800-572-7002 (in MN)

Conwed Fibers
1985 Tate Blvd SE Ste 350
Hickory NC 28601
704-327-6670

Country Mfg Inc
333 Salem Ave Ext
PO Box 104
Fredericktown OH 43019
614-694-9926

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Tiffin OH 44883
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315-363-3390

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Fremont NE 68025
402-727-4800
800-759-7739

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Alexandria MN 56308
612-852-7500
800-328-2047
800-572-7002 (in MN)

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Oneida NY 13421
315-363-3390

Creative Sales Inc
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Fremont NE 68025
402-727-4800
800-759-7739

Cub Cadet Commercial Mowers
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Cleveland OH 44136
216-273-4550

Curb King
3038 I 70 Business Loop E
Grand Juction CO 81504
303-434-5337

Cushman
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Lincoln NE 68501
402-474-8494
800-228-4444

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Los Alamitos CA 90720
714-761-7000

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Chico CA 95927
916-891-5163

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Hwy 160
Danville KS 67036
316-962-5292

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609-298-8112

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517-471-5413

Deere & Co
John Deere Rd
Moline IL 61265
309-765-8000

Delavan
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515-274-1561
800-621-9357

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Dewitt Co
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RR 3 Box 338
Silver Spring MD 20904
301-622-9397

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a Coleman Co
PO Box 1569
Coffeyville KS 67337
316-251-2000

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12805 Eckmoor Rd
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Los Alamitos CA 90720
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Chico CA 95927
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Silver Spring MD 20904
301-622-9397

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Wilmington DE 19898
302-992-6161

Energy Products Co
3000 S 160 St
New Berlin WI 53151
414-785-0786

E-Z-Go Textron
PO Box 388
1451 Marvin Griffin Rd
Augusta GA 30913-2699
404-798-4311

Fairmont Hydraulics Div Fairmont Railway Motors-
Harsco Corp
415 N Main St
Fairmont MN 56031
507-238-4357

Falkenberg Inc
9420 SE Lawtonfield
Portland OR 97015-9611
503-659-8655
800-424-7867

Fanno Saw Works
PO Box 628
Chico CA 95927
916-895-1762

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520 Forest Ave
Sheboygan Falls WI 53085-0908
414-467-6167

Ford New Holland Inc
500 Diller Ave
New Holland PA 17557
717-355-1121

Foremost Products Inc
6430 E 49 Dr
Commerce City CO 80022
303-286-8955

Forestry Suppliers Inc
205 W Rankin St
PO Box 8397
Jackson MS 39284-8397
601-354-3565

Franklin Electric
400 Spring St
Bluffton IN 46714
219-824-2900

Friend Mfg Corp
Prospect St
Gasport NY 14067
716-772-2622

Fuerst Brothers Inc
PO Box 427
Gibson City IL 60936
800-435-9630

Gandy Co
528 Gandrud Rd
Owatonna MN 55060
507-451-5430
800-544-2839

Garden America
27940 Beale Ct
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With built-in maneuverability and proven performance. Powered by an 8-HP Honda engine, the LESCO Renovator 20 features exclusive hydraulic drive with 0 to 2 mph forward speed control. Spring-loaded reverse gives the unit greater maneuverability in tight areas and simplifies trailer loading and unloading.

A compact low-profile design provides excellent hillside stability.

Last year, the renovator supply did not meet demand. It could happen again. Prepare now to profit this fall. Order the proven profit-maker today.

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LESCO, Inc.
20005 Lake Road
Rocky River, Ohio 44116
(216) 333-9250
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<td>South Windham CT 06266</td>
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<td>203-423-7741</td>
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<td>Glenmac Inc</td>
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* Advertiser. See Advertisers Index*
Lightweight production mowing isn’t just for golf courses.

The new Jacobsen HM-11 combines proven, quality lightweight mowing with a versatile 4-WD design to deliver a beautiful fairway-like cut in places that might surprise you.

Roughs, parks, universities, cemeteries... virtually anywhere you've always wanted a beautiful cut and high productivity, the versatile, high-capacity Jacobsen HM-11 delivers.

On-demand 4-wheel drive, a wide-track stance and powerful diesel take the HM-11 up challenging slopes that are too much for 2-wheel drive competitors.

Five heavy-duty 30" reels sweep through demanding schedules with an 11' cutting width. Just a touch of your toe lifts and lowers all reels simultaneously for more efficient cross-cutting. And you can get into those tight spots by mowing with 3-, 4- or 5-gangs.

Fixed or floating, our unique heavy-section reels hug the ground in all types of grass, for a smooth cut at higher mowing speeds and better thatch control. Your choice of tough Jacobsen 6- or 10-blade reels, and high-speed or high-torque hydraulic reel motors match the HM-11 to your specific conditions. Plus, the fully programmable console—with cruise control—maximizes productivity.

Excellent maneuverability increases its versatility. Compact design and rear-wheel power steering make the HM-11 more agile and easy to operate. With a compact 70" transport width, even narrow paths and bridges won't stand in its way.

For quality mowing at 1/4" and above, nothing else comes close. And for tournament-quality fairways at less than 3/8", Jacobsen leads the way again with the unique, up-front design of the LF-100.

To see either of these lightweight wonders in action, contact your Jacobsen distributor for a complete demonstration. Lease and finance plans available.

Jacobsen Division of Textron Inc., Racine, WI 53403.

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*Advertiser. See Advertisers Index*
It doesn’t have to be an uphill grind. Not with Kubota’s F2400 Front Mower. Four-wheel drive delivers traction where you need it most—on uneven, slick or damp ground. No more wheel-spinning means no more turf damage.

If you’re up against one tough obstacle course, there’s rear-wheel steering and independent brakes. Together, they provide the tightest possible turning radius.

Then for your mowing comfort, there’s our famous clutchless hydrostatic transmission, as well as power steering and tilt-wheel.

Attachments? You can choose from a 60” or 72” rotary mower, a flail mower, rotary broom, front blade or snowblower. Even a grass catcher with 60” and 72” dumping heights. Of course, they’re all lifted hydraulically. Effortlessly.

And its powerful, economical 24hp diesel engine will leave you wondering why anyone would own anything less. So if you’ve got the inclination, just write for our free Grounds Maintenance Equipment Guide at Kubota Tractor Corporation, P.O. Box 7020-A, Compton, CA 90224-7020.

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<tr>
<td>Rain Bird Sprinkler Mfg</td>
<td>145 N Grand Ave Glendora CA 91740 818-963-9111</td>
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<tr>
<td>Ransomes Inc</td>
<td>One Bob Cat Lane Johnson Creek WI 53038 414-699-2000</td>
<td></td>
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<tr>
<td>Raven Industries Inc</td>
<td>205 E Sixth PO Box 1007 Sioux Falls SD 57117 605-336-2750</td>
<td></td>
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<tr>
<td>Ravens Metal Products Trailite Div PO Box 1168 Parkersburg WV 26102-1168 304-275-4247 Fax 304-275-4368</td>
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<tr>
<td>Rayco Mfg Inc</td>
<td>6822 Lincoln Way E Wooster OH 44691 800-392-2686 800-392-2687 (OH)</td>
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<tr>
<td>Raymond Corp</td>
<td>S Canal St Greene NY 13778 800-235-2700</td>
<td></td>
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<tr>
<td>Reach-All Inc</td>
<td>1300 Port Terminal Dr Duluth MN 55816 218-722-9200</td>
<td></td>
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<tr>
<td>Reading Body Works Inc</td>
<td>Hancock Blvd &amp; Gerry St Reading PA 19611 215-775-3301</td>
<td></td>
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<tr>
<td>Remey Inc</td>
<td>1000 Industrial Rd PO Box 511 Old Hickory TN 37138 615-847-7000</td>
<td></td>
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<tr>
<td>C L Reilly Tree Service &amp; Mfg</td>
<td>RR 1 Box 73 Crystal ND 58222 701-657-2369</td>
<td></td>
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<tr>
<td>*Reinco Inc</td>
<td>520 North Ave PO Box 512 Plainfield NJ 07060 800-526-7687</td>
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<tr>
<td>Richway Industries Ltd</td>
<td>525 Main St Janesville IA 50647 319-987-2976</td>
<td></td>
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<tr>
<td>Robco USA Inc</td>
<td>PO Box 5556 Walnut Creek CA 94596 415-827-0926</td>
<td></td>
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<tr>
<td>Roseman Mfg Co</td>
<td>Box 158, Rte 29 Collegeville PA 19426 800-752-7673 215-489-1400 (PA)</td>
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<tr>
<td>Roto-Hoe Co</td>
<td>100 Auburn Rd Newbury OH 44065 216-564-2294</td>
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<tr>
<td>Rousseau</td>
<td>8433 Mid County Ind St Louis MO 63114 314-426-7377</td>
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<tr>
<td>Royald Products Co</td>
<td>100 Pacs W, Ste 1240 2727 Paces Ferry Rd NW Atlanta GA 30339 404-333-9067</td>
<td></td>
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<tr>
<td>Royer Foundry &amp; Machine Co</td>
<td>158 Pringle St Kingston PA 18702 717-287-9624</td>
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<tr>
<td>Salco Inc</td>
<td>105 School House Rd Cheshire CT 06410 203-271-1682</td>
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<tr>
<td>Sarlo Power Mowers Inc</td>
<td>2315 Anderson Ave Fort Myers FL 33901 813-332-1955</td>
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<tr>
<td>Scag Power Equipment Inc</td>
<td>1000 Metalcraft Dr Mayville WI 53050 414-387-0100</td>
<td></td>
</tr>
<tr>
<td>O M Scott &amp; Sons Co</td>
<td>14111 Scottslawn Rd Marysville OH 43041 513-644-0011 (OH call collect) 800-543-0006</td>
<td></td>
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<tr>
<td>Seaman-Parsons Corp</td>
<td>W161 N9116 Hayes Ave Menomonie Falls WI 53051 414-251-3860</td>
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<tr>
<td>Sensation Div Gilson Brothers Cty Trunk PP PO Box 152 Plymouth WI 53073 414-995-1011</td>
<td></td>
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<tr>
<td>Seymour Mfg Co</td>
<td>500 N Broadway Seymour IN 47274 812-926-2509</td>
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<tr>
<td>Shindaiwa Inc</td>
<td>1103 SW Herman Rd Tualatin OR 97062 503-692-3070</td>
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<tr>
<td>Simplicity Mfg Inc</td>
<td>500 N Spring St Port Washington WI 53074 414-377-5450</td>
<td></td>
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<tr>
<td>D B Smith &amp; Co</td>
<td>Main St Utica NY 13501 315-735-5223</td>
<td></td>
</tr>
<tr>
<td>Seymour Smith &amp; Son Inc</td>
<td>900 Main St Oakville CT 06779 203-274-2558</td>
<td></td>
</tr>
</tbody>
</table>
ANOTHER TURN FOR THE BETTER

Ransomes out-maneuvers the competition. Again. With the new T-3100 Bobcat (our idea of a great machine). Hydrostatic drive eliminates bothersome clutching and shifting. Just effortless forward and reverse control from a single foot pedal. And a three-wheel ride means precise turns for close trim work. If you think all this makes the T-3100 expensive, forget it. It's the most affordable commercial rider in its class.

The new T-3100 Bobcat from Ransomes. Where else would you turn for great ideas?

For more great ideas, turn to your Ransomes distributor. Or, call Ransomes, Inc., One Bob Cat Lane, Johnson Creek, WI 53038, (414) 699-2000.

RANSOMES

WHERE GREAT IDEAS START
Most commercial mowing operations are using walk-behind mowers because they have concluded no rider mower is compact or maneuverable enough to mow landscaped areas. Now maintenance operators all across the country are discovering the compact, maneuverable Mid-Size Walker Mower fits their job and saves labor (usually cuts labor 1/2). The labor saving Walker looks good whether your business is trying to produce profit or is operating on a budget. Write or call for a free brochure. Ask for a demonstration.

Walker Manufacturing Company, 1839 East Harmony Road, Ft. Collins, CO 80525 • 1-800-777-0356
Call-backs can be costly, and aggravating. Lock moisture in the plant and increase plant survival—use FOLICOTE® transpiration minimizer.

FOLICOTE reduces transplant shock and transportation stress by limiting foliar moisture loss. And FOLICOTE protects established plants from winter damage caused by sun or wind and summer drought conditions.

FOLICOTE is a wax emulsion transpiration minimizer that reduces moisture loss by partially blocking stomates, without interfering with plant growth. When used as directed, FOLICOTE has been proven effective and non-phytotoxic on a wide range of plants.

**EASY & ECONOMICAL TO APPLY**

FOLICOTE mixes easily with water and stays mixed. It forms a thin, natural-looking waxy layer on foliage. And it cleans out of spray equipment with warm, soapy water.

At a cost of about $0.87 per finished gallon (including surfactant), FOLICOTE costs about half as much as its nearest competitor.

Consider offering your customers an economical FOLICOTE summer or winter protection application.

Apply FOLICOTE when shipping, transplanting and protecting... it adds up to greater profits for you and customer satisfaction. Can you afford to plant without it?

Ask your distributor about FOLICOTE, or call us.

1-800-257-7797, in NJ. (609) 665-1130
VERTI-DRAIN®
Works like a pitchfork, only better!

Works like a pitchfork, only better! It's amazing how simple the principle is and how well it restores severely compacted turf. Greens, fairways, sports fields—anywhere you want to promote better root structure.

Our deep tine aerators go deeper than any others—10", 12" up to 16" deep. And our patented process that shatters and lifts the turf like a pitchfork can't be duplicated. That's why world-wide VERTI-DRAIN is the recognized leader. See it for yourself.

Call or write for our free literature, videotape or a demonstration near you.

VERTI-DRAIN®
415 Washington Avenue, Scranton, PA 18503
717-961-6120

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VERTI-DRAIN®
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717-961-6120

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WESTERN WOOD STRUCTURES INC
20675 SW 105 St
PO Box 130
Tualatin OR 97062
503-692-6900

WESTSIDE CO
1235 N Third St
PO Box 363
Lawrence KS 66044
913-843-1633
800-362-3110
Fax 913-843-4486

Weyerhaeuser Co
EF-4
Tacoma WA 98477
206-924-3138
800-443-9179

Wheel Horse Products Inc
515 W Ireland Rd
South Bend IN 46614
219-291-3112

Wheel Spray Corp
PO Box 97
Delafiefield WI 53018
414-646-8640

Winco/Energx Corp
245 E Sixth St
St Paul MN 55101-1988
612-293-0740
Tel: 29-0740 ENERGY STP
Fax: 612-292-0581

Woods Div Hesston Corp
Hwy 2 S
PO Box 1000
Oregon IL 61061
815-732-2141

Woodstream Corp
69 N Locust St
Lititz PA 17543
717-626-2125

Yamaha
6555 Katella Ave
Cypress CA 90630
714-764-7304
800-447-4700

Yard Vac Products Inc
3649 E Ventura
Tucson CA 85702
209-251-7125

Yazoo Mfg Co
3650 Bay St
Jackson MS 39216
601-366-6421

LANDSCAPE MANAGEMENT
...is also an important piece of equipment for landscape professionals. Send in your subscription card today!
For grounds maintenance, nurseries, Christmas tree farms, highway or municipal vegetation— for just about any grass control problem— Poast® herbicide is the simple solution.

Poast delivers consistent control of the toughest grasses. Like bermudagrass and crabgrass, quackgrass and foxtails. Yet, Poast is proven gentle to established plantings of valuable greenery. Like flowers, shrubs, trees and ground covers.

With Poast, you don't have to bother with directed or shielded sprays. You can apply Poast over-the-top of all stages of ornamental growth. And you don't have to worry about soil residue or leaching. Because Poast is meant to treat your grasses, not your soil.

And perhaps best of all, Poast can be highly cost efficient. It can eliminate labor-intensive and time-consuming hand roguing or hoeing. And labor and time equal money.

To keep grass in its place, always follow label directions and count on Poast—the last word in safe, effective grass control.

BASF Corporation
Chemicals Division

BASF

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Circle No. 106 on Reader Inquiry Card

SEPTEMBER 1989/LANDSCAPE MANAGEMENT 71
3. Chemicals

This section is broken down by chemical product with companies providing that chemical listed below. Products common name (in parentheses) and brand names are listed on the line following the company name.

Absorbent/Aqueous (Aqueous)
Aquashade Inc
(Acid Blue q, Acid Yellow 23) Aquashade

Aquashade is:
- Economical, because it's long lasting.
- Non-toxic, no harm to humans, livestock, fish, wildlife and turf.
- Non-killing, because it controls growth by suppressing
- Easy to use, by just pouring
- Beautifying, by coloring water to a natural teal blue

Aquatroil Corp
(Copolymer Acrylamide Acrylate) SuperSorb Water Absorbant

Aquadol Chemical Co
Nalco 2151, Nalquatic, Nalco-Trol, Nalco-Trol II, Stata-Put

Riverdale Chemical Co
Riverdale

Spectrum Technologies Inc
Lake Blue

UAP Special Products Inc

Adjuvant/Carrier
ArborChem Products Co
(Crop oil & surfactants) Clean Cut; (crop oil, surfactant & pine oil) Clean Cut + Pine; (crop oil, surfactant, citrus oil) Clean Cut + Citrus; (patent) Basal Oil

Chevron Chemical Co
(Alkylarylpolyoxyethylene glycols, free fatty acids, isopropanol) Ortho X-77

W A Cleary Chemical Corp
Super-Wet, Super Wet 156

Cumberland Intl Corp
Ag-Chem Activator

Elanco Products Co
Improve

Fermenta ASC Corp
(Fatty amine ethoxylate) Frigate

Fermone Chemicals Inc
(Protein feeding stimulant) Entice

Green Pro Services
(non-ionic wetting agent) VITA Flow

Kalo Inc
Regulated

Lettingwell
(Non-ionic surfactants) Activate, Super Savol; (NPK, secondary & micronutrients) Sorba-Spray; Sorbacide

LESCO Inc
LESCO Spreader Sticker, LESCO-WET

Moyer Products Inc
(Alicyadipolyoxyethylene ether) Spray Film B

Nature's Touch
Save A Tree; (alazine, asparatic acid, glutamic acid, cysteine & other proteins) Save A Tree Drought Adjuvant

Necessary Trading Co
(non-ionic surfactant) Spray Enhancer

PBI-Gordon Corp
(Petroleum oil-paraffin base, surfactant blend) Adjumec

Precision Laboratories Inc
Pen-A-Trate

Southern Mill Creek Products Co
SMCP-Spreader Sticker

Spectrum Technologies Inc
(buffering/wetting agent) Adjust

UAP Special Products Inc
Activator 90

Unroyal Chemical
Activate

Algaeicide
Applied Biochemists Inc
(Cheated Copper) Cutrine-Plus, Cutrine-Plus Granular

Great Lakes Biochemical Co
(Cheated Copper Liquid) Algimy c.w. PLL-C; (Cheated Copper Tablet) Slow Release Algimycin PLL-C;

(wettable powder) Algimy c.w. GLX2; Hendrix and Dail Inc
(Formaldehyde) HD Bi-O-Cide

LESCO Inc
(Elemental copper) Lescocide-Plus

Nacco
NaccoSan B-60

Safer Inc
(Potassium salts of fatty acids) Safer Moss & Algae Killer

Southern Mill Creek Products Co
A+V70 Plus

UAP Special Products Inc

Antitranspirant
Aquatroil Corp
(Wax emulsion) FoliCote Transpiration Minimizer

W A Cleary Chemical Corp
(acrylic base) Clespray

Green Pro Services
(natural/synthetic anti desiccant) Vita Coat

Nature's Touch
(concentrated cellular gums) Nature's Touch Leaf Coat & Leaf Coat Clear; (concentrated cellular gums with non fade dyes) Nature's Touch Leaf Coat Green

PBI-Gordon Corp
(Polystyrene, Polyturpines) Transfilm

Precision Laboratories Inc
Preserve

Safer Inc
(Polymer) Safer for Evergreen

UAP Special Products Inc
Blanket, NuFilm

Will-Pruf Products Inc
(di-1-p-Menthene) Will-Pruf

SEE AD NEXT COLUMN

Bactericidc
J J Maugel Co
(Streptomycin) Inject-A-Mycin "S"

Biological Control
Burlington Scientific Corp
(Cytokinins, Humates) Speed Feed Turf Elixir; Speed Feed Turfgrass Formula

Green Pro Services
(Paranamic Nematodes) Scanmask

KLM Bio Systems Inc
Bio Groundskeeper

Maag Agrochemicals Inc
(fenoxycarb) LOGIC Fire Ant Bait

Necessary Trading Co
(potassium salts of fatty acids) Safer

Sandoz Crop Protection
Pentac Aquaflow

UAP Special Products Inc
Dipel, Safer

Colorant
ArborChem Products Co
(Proprietary) Bullseye

Becker-Underwood Inc
TURF MARK; (much colorant) Mulch Magic; (turf colorant) Green Lawnger

W A Cleary Chemical Co
Greenzit, Super Greenzit, Grass Greenzit, Virginia Pine Greenzit

Jonathan Green Inc
Dyon; Tru-Green Grass Paint

Gustafson Inc
Gustafson Pro-ized

PBI-Gordon Corp
(Blue indicator dye) LESCO Tracker

Mallinckrodt Inc
Turf Colorant, Auragreen, Vitalon

Milum Chemical Inc
(Polymeric) Blazon

Nacco
Super Tracer Dye

Nature's Touch
(concentrated cellular gums w/silox base & non fade color) Nature's Touch Green Blades

Precision Laboratories Inc
Signal

Blazon®

SPRAY PATTERN INDICATOR
A non-staining colorant for accuracy and safety of pesticide applications.

Nacco
Super Tracer Dye

Nature's Touch
(concentrated cellular gums w/silox base & non fade color) Nature's Touch Green Blades

Precision Laboratories Inc
Signal
When good shots end up in bad lies on dollar spotted fairways, it can spot your course's reputation. That's good reason to put Rubigan® in play. Dollar for dollar, nothing controls dollar spot better.

Just one Rubigan application controls even resistant strains of dollar spot for up to 28 days. And one case of Rubigan will treat up to 8 acres of greens and fairways.

Rubigan is the only fungicide labeled to treat and prevent all these other turf spoilers, too: Fusarium leaf spot, necrotic ring spot, summer patch, take-all patch and spring dead spot—plus large brown patch with a Daconil 2787® tank mix.

Keep your fairways, tees and greens dollar spotless—looking clean and beautiful all season long. Get Rubigan from your Elanco distributor. Or call toll-free: 1-800-352-6776.

Elanco Products Company
A Division of Eli Lilly and Company
Lilly Corporate Center
Dept. E-455, Indianapolis, IN 46285, U.S.A.

Rubigan®—(fenarimol, Elanco)
Daconil 2787®—(chlorothalonil, SDS Biotech)

Circle No. 122 on Reader Inquiry Card
Chemicals

continued

Royalgard Products Co
Royalgreen; Royalblue
Sierra
Vitalon; Auragreen
Southern Mill Creek Products Co
Blaizon; Aquashade
Spectrum Technologies Inc
Sprayguide; Lake Blue
UAP Special Products Inc
Turf Mark, Blazon

Defoamer
Applied Biochemists Inc
(Silicone) Foamtrine
Arborchem Products Co
(10% Silicone) Arborchem Defoamer
W A Cleary Chemical Corp
(silicone base) Cleary’s Defoamer
Finn Corp
(silica-in-silicon oil compound) Foam Chek
Jonathan Green & Sons Inc
Gustafson Inc
Gustafson Slurry Defoamer
Kalo Inc
Defoamer & Anti-Foam
LESCO Inc
(Silicone) LESCO Defoamer
Moyer Chemical Co
Anti-Foam, Foam Fighter
Nasco
Anti-foam
Precision Laboratories Inc
Knockdown
Royalgard Products Co
(silicone based) De-Foamer
UAP Special Products Inc
Fighter F

Drift Retardant
Arbochem Products Co
(33% Polymer) 38-F; (dry polymer) 41-A
W A Cleary Corp
Cleary’s Driftproof
NaClO Chemical Co
NaClO-Trol, NaClO-Trol II, NaClO-Trol
Nature’s Touch
(cellulose thickness) Nature’s Touch No Drift
Precision Laboratories Inc
Direct
Southern Mill Creek Products Co
NaClO-Trol
Spectrum Technologies Inc
Spraytrol
UAP Special Products Inc
Chemtrol

Fertilizer, Tree
J & L. Adkins Inc
Eeesy-Grow
Andersons
CoRon Corp
(amine-modified polyethylene urea 28-0-0, 70% CRN) CoRon controlled release nitrogen;
Creative Sales Inc
(N-P-K, Fe, Mn & Zn) MEDICAP Systemic tree implants
Doggett Corp
(slow release soluble) XL-Injecto Feed 32-7-7 & 12-24-24; Evergreen Special 30-7-10
Garfield Williamson Inc, Proform Turf Products Div
(release nitrogen, added micronutrients) PROFORM 12-24-12 Winterizer
Great Salt Lake Minerals & Chemicals Corp
(Sulfate of Potash) GLS
Jonathan Green Inc
34-3-7 8.5% WIN

Green Pro Services
(NPK, Humus, trace elements) Vita Tree/Shrub
Growth Products Ltd
(Methylene diurea, MAP, Potassium Nitrate) 18-3-6 with Micors 50% CRN
Haifa Chemicals Ltd
(potassium nitrate 13-0-46) K-Power
Hawkeys Chemical Co
(controlled release liquid nitrogen) Formelone LU
Howard Johnson Ent Inc
(RZP)
LaRoche Industries Inc
Vertagreen, Solife, Supreme Green
Lebanon Turf Care
Lebanon, Turfmaster, (Melamine) Nu-Tech
Leffingwell
Vitatone Stabilized, Vitatone Sorba-Spray, Nutra-Phos, Nutra-Spray
LESCO Inc
LESCO 16-10-9 Tree Stakes, LESCO 8-10-10 “Hi” Trace Element Tree Stakes, LESCO Arbor Green
J M Maquet Co
(Chelated Ag Minerals & NPK) Stemix; (Sulfates & Nitrates) Inject-A-Min Fe-Zn, Inject-A-Min Mn
MCI AgSystems
(Triamino-triazine) Nitrazine 66N
Milorganite
(N.P. & Iron with micro’s) Milorganite
Moyer & Son Inc
(iron, Methylen urea, polyphosphates Muriate of potash) Arborflo; (urea, polyphosphates, muriate of potash) Rootflo
Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 12-26-26) Four Seasons
Na-Chures Plant Food Co
(nitrogen & P & iron with micro’s) Na-Chures Liquid Fertilizer 15-3-4 & 21-3-4; (liquid nitrogen) CoRon 28-0-0
Nature’s Touch
(Natural vegetative extract base blended with Primary, secondary micronutrients) TES
NOR-AM Chemical Co
(Ureaform) NitroForm
Par Ex
(Isobutylidene Diurea) Woodace
Plant Marvel Laboratories Inc
(tree & shrub special 25-15-10) Plant Marvel
R G B Laboratories Inc
(micronutrients, iron) Agri-Plex For-X; (Iron) Agri-Plex FE & Lawn-Plex
Ringer Corp
(Feather meal, blood meal) Evergreen Booster; (bone meal, wheat germ) Deciduous Tree Booster; (muriate of potash) Tree Restore
Roots Inc
(marine algae extract, humic acid, metabolizers, co-enzymes) Roots

7 ways
Precision Laboratories can help you...

Circle No. 154 on Reader Inquiry Card

We offer dozens more

Precision’s complete line of turf products improves your performance. See your distributor or call.
Keep your reputation spotless.

Golfers may not know leaf spot by name, but it can mark the difference between your course and someone else’s.

DYRENE® 4 Turf Fungicide has been effectively controlling leaf spot for years. And for every day of control you get, nothing costs less. DYRENE 4. Proven control.

Because we have a reputation to consider, too. For more information, contact Mobay Corporation, Specialty Products Group, Box 4913, Kansas City, MO 64120.

DYRENE is a Reg. TM of Mobay Corporation.
Fertilizer, Turf

J & L Adikes Inc
(20-6-9.6% slow release/weed & feed/® w Team) Pro-
Gram (Grow-Well)
Andersons
Tee Time; Professional Custom Mix; Break-Thru

Arcadian Corp
(Triazine Nitrogen) N-Sure
W A Cleary Chemical Corp
(Ureaform) Flud 18-0-0, Fluf 10-0-10, Fluf 16-2-4,
Cleary’s Water Soluble Fertilizer
CoRon Corp
(amine-modified polymethylene urea 28-0-0, 70% 
CRN) CoRon controlled release nitrogen

Bridge Your Nitrogen Valleys with CoRon’s Longer Release Time!

We are offering the newest and most improved of the liquid low-burn, controlled release nitrogen fer-
tilizers.
CoRon provides a controlled release nitrogen and lower burn potential to give you superior perform-
ance. CoRon is storage stable and has low burn volatility of nitrogen to atmosphere.
CoRon provides quick green-up, promotes even turf growth over a longer period of time, is compatible 
with commonly available turf protection products and is easily blended into N-P-K liquid fertilizers by 
normal means.
CoRon is excellent in low volume systems which saves time and money in labor and equipment costs.
CoRon’s 28-0-0 analysis and unique two-step manufacturing process allows CoRon to give dry methy-
lene urea performance on turf with the efficiency of liquid handling.

Call us today for complete details on how CoRon can help you bridge both your performance and 
profit valleys.

THE DOGGETT CORPORATION
FERTILIZER SOLUTIONS INC.
30 Cherry St.
Lebanon, NJ 08833
TEL: 201-236-6335

Products/Services Offered:
Fertilization Equipment
Fertilizers
Soil Conditioners & Amendments

XL-INJECTO FEED TREE FERTILIZERS

Product Type: Fertilizers
Description:
These water-soluble slow-release tree fertilizers, when hydraulically injected into the soil, last up to one full year. The analysis is low in salt, chloride-free and contains iron, copper, magnesium and zinc. These tree fertilizers come in varying formulas to suit specific trees and conditions.

Contact: Roger D. Mellick, Vice President

Growth Products Ltd
(Methylene diurea) Nitro-26 CRN; (chelated F, Zn, 
Cu, Mn chelated EDTA, Methylene Diurea, MAP, 
Potassium, nitrate) Micrel 18-3-6 with micros 50% 
CRN

Hafia Chemicals Ltd
(potassium nitrate 13-0-46) K-Power
Hawkeye Chemical Co
(controlled release liquid nitrogen) Formolene LU
Howard Johnson Ent Inc
(custom blends)
LaRoche Industries Inc
Vertagreen, Solitue, Supreme Green
Lebanon Total Turf Care
Lawnberry Club, Greenskeeper, Lebanon Pro, 
Green Gold, Turfmaster
Lefingwell
Vitatone Stabilized, Vitatone Sorba-Spray

LECTO Inc
(Multiple types and blends) LESCO
MCI AgSystems
(Triazino-triazine) Nitrazine 66N
Milorganite
(N.P & iron with micro’s) Milorganite
Milwaukee Metropolitan Sewerage District
(R-2-0 Natural Organic) Milorganite
Moyer & Son Inc
(Urea, polyphosphates, Muriat of potash) Turflo

Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 
12-26-26) Four Seasons
Nacco
Grow More
Na-Churs Plant Food Co
(nitrogen, Phosphorus, Potassium) Na-Churs Liquid 
Fertilizer 15-3-3 & 16-2-3; (Nitrogen & potassium) Na-
Churs Liquid Fertilizer 15-05; (liquid potassium) Na-
Churs Liquid Fertilizer 9-0-36; (controlled release nitrogen, phosphorus, potassium) Na-Churs Liquid 
Fertilizer 15-3-4 & 21-3-4; (controlled released nitrogen) CoRon
Nature’s Touch
(Primary, secondary micronutrients) Strengthen & 
Renew

Rapper Trading Co
(soil inoculant, kelp meal) Soil Vitalize; (granular 
compost) Sustane 5-2-4; (soil kelp extract) FoliaGro
NOR-AM Chemical Co
(Ureaform) Nitroform; (Methylene Urea Polymers) 
Nutralene
Par Ex
(Isobutyliene Diurea) Par Ex
PBI-Gordon Corp
(6% iron) Ferromec; (6% iron amine compatible) 
Ferromec AC; (6% iron plus manganese) Ferromec 
M; (6% iron plus manganese amine compatible) 
Ferromec MAC (Processed cow slurry) Boh-a-Mura
Plant Marvel Laboratories Inc
(Bent special 28-8-18, Bermuda special 25-5-20, Lawn 
Marvel 28-18-9) Plant Marvel
R G B Laboratories Inc
(micronutrients, iron) Agri-Plex For-X; (iron) Agri-Plex 
FE & Lawn Plex

Ringer Corp
Turf Restore, Lawn Restore
Roots Inc
(marine algae extract, humic acid, metabolizers, co-
enzymes) Roots
Royalgard Products Co
(Iron, nitrogen, sulfur) Armor, Armor Plus
Ruffin Inc
(6% nitrogen, 6% Iron, 2% manganese) Tuff Iron 
Special; (15% nitrogen, 6% Iron) Turf Iron
Q M Scott & Sons Co
(Methylene Ureas, Urea, Ammoniated phosphate, 
potassium sulphate) Proturf HD Fairway, Proturf Fluid 
Greens; (Sulfur-lated Urea, Urea, Ammoniated 
Phosphate, Potassium chloride) Proturf Fertilizer; 
(Triazone, Urea, Potassium phosphorus) Proturf 
Fluid Fertilizer
Sierra
Agriform; Customblend
Southern Mill Creek Products Co
Nutrex 20-20-20
Sustane Corp
(dry organic granular compost turkey litter) Sustane

SUSTANE
A Natural Organic Fertilizer
Sustane Corporation
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(612) 448-8828

Sterling Chemicals Inc
(Primary, secondary micronutrients) Strengthen & 
Renew

Triazone Corp
(urea triazone) N-Sure
UAP Special Products Inc
UAP

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The New Name in NITROGEN!

This advanced controlled-release material derived from methylene urea polymers is the ideal nitrogen source for all your turf needs. That's because NUTRALENE™ works two ways. First, it provides a quick-release nitrogen through hydrolysis. Second, NUTRALENE releases nitrogen more slowly through microbial action for sustained feeding. This dual action (the result of its unique molecular structure) makes NUTRALENE the superior controlled release nitrogen source. The following points show that NUTRALENE meets all the professional's requirements for a broad-use nitrogen.

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• Minimal leaching and volatilization
• Consistent release of all nitrogen in one growing season, under all conditions, even during cool soil temperature situations
• Low salt and low burning potentials
• 40-0-0 guaranteed analysis
Nothing else keeps you...
Chemicals

continued

Triazone Corp
(liquid urea triazone nitrogen source) N-Sure
Unifarm Chemical
(Foliar Nutrients) Solu-Spray, Vitatone Iron
Vigor Industries Inc
IBDU; IBDU/SCU; Par Ex
Warren’s Turf Nursery Inc
(10-8-4(15) All Purpose Lawn Food; (6-20-20) Lawn Starter; (18-5-8) Slow Release; (25-3-9) Timed Released IBDU; (25-3-9) Weed & Feed

Fungicide, Tree
Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Kincaid Enterprises Inc
(Chloroneb) KE Terraneb SP
LESCO Inc
(Mancozeb) LESCO; (Maneb, Zinc) LESCO 4 Flowable with Zinc
Mallinckrodt Inc
(Zn, Mn, Thiophanate Methyl) Zyban
J J Maugel Co
(DEBC) Fungisol; (Oxycarboxin) Fungisol PV
Mobay Corp
(Triadimeton) Bayleton
PBI-Gordon Corp
(chloroneb) Teremec SP; (fore) Formec
Sierra
Duo San
Safer Inc
Safer Garden Fungicide
Southern Mill Creek Products Co
Tersan 1991

UAP Special Products Inc
Captam, Mancozeb
Valent USA Corp
(Triazone) VALENT Triforine EC

Fungicide, Turf
J & L Adikes Inc
Benomyl, Bayleton, Tersan 1991
Andersons
CelPrl Industries
(Seed coating) Apron
Ciba Geigy Corp
(Metalaxyl) Subdue; (Propiconazole) Banner; (Metalaxyl/Mancozeb) Pace
W A Cleary Chemical Corp
(Thiram) Spotrete; (Topsin M) 3336; (Phenylmercuric acetate) PMAS; (Caddy) Cadmium chloride
Distributor’s Own Turf Supplies
(Bayleton) Distributor’s Own
E I DuPont de Nemours & Co
(Benomyl) Tersan 1991 DF; (Mancozeb) Tersan LSR
Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Gustafson Inc
(Metalaxyl) Gustafson Apron-FL, Apron 25W, Apron 12.5% dust Seed Treatment
Jonathan Green Inc
Banol, Bayleton, Chipco Flo, Daconil 2787, Dyrene, Tersan 1991
Howard Johnson Ent Inc
(Bayleton)
Kincaid Enterprises Inc
(Chloroneb) Terraneb SP

For more information, write

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TERRANEB SP.

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Your DOTS distributor will provide custom-blended formulas to match your particular soil needs, climate and grass conditions. We then offer personalized service
Lebanon Total Turf Care
(Bayleton (Tridemefon)) Lebanon; (Daconil 2787 (Chlorothalonil)) Green Gold, Lebanon; (Benomyl) Lebanon
LESCO Inc
(Mancozeb) LESCO PCNB 10%; LESCO 1.0% Bayleton; (Thiram) LESCO Thiram 75DG; LESCO Benomyl DG
Malinckrodt Inc
(Mercuric Chloride, Mercurocid Chloride) Calo-Clor, Calo-Gran; (Cadmium Succinate) Cadmiate; (ZN, M, EBCD, Thiophanate Methyl) DuoSan; (Thiophanate Methyl) Fungo 5G; (Cadmium Sebacate, Potassium Chromate, Thiram) Kromad; (Ethazol) Koba 30, Koba 1.3G; (Thiram) Thiramad
Moby Corp
(Methoxyfenoxprop) Bayleton; (Anilazine) Dyrene
NOR-AM Chemical Co
(Propamocarb) Banol
PBI-Gordon Corp
(Chloroneb) Teremec SP (Fore) Formec 80
Rhone Poulenc Corp
(Dazomet) W-75; Chipco 26019; Dithane F-45
UAP Special Products Inc
(PCNB) Mancozeb, Tersan, Daconil, Sulfdue, Banner
Uniroyal Chemical
(Diemfam) Turfide, Terraclor; (Fertigard) Terraclor
Grass Coatings
Cellindustries
Nutra-Kote, Nutri-Kote & Apron
Nature's Touch
Green Magic
Growth Regulator
Abbott Laboratories
(Gibberellic acid) PRO-GIBB
Andersen's
Arborchem Products Co
(NAA) Sprout Gard
Burlington Scientific Corp
(Kinetin Gibberellic Acid Auxins) Auxinar
Chevron Chemical Co
(Uniconazole) Ortho Prunit
Elanco Products Co
(Fluprimidol) Cutless
Sierra
(Thiophanate methyl) Fungo; (Vinclozolin) Vortan; (Mancozeb & Thiophanate methyl) Duo San; (Mycotens) Calo-Clor & Calo-Gran; (Thiram) Thiramad
Fermone Chemicals Inc
(Cytokinins) Burst Yield Booster
Leffingwell Uniroyal Chemical
(Clorflurenol) Maintain CF-125, Maintain A
LESCO Inc
A-Rest, Embark, Florel, LIMIT, Bonzi, Cutless 50W
Maag Agrochemicals Inc
(sodium dikegulac) Atrimmec-Gordon's
Monsanto Co
(Amifluor) Limit
Nature's Touch
Roots Inc
(Quaternary Ammonium Compounds) (marine algae extract, hemic acid, metabolizers, coenzymes) Roots
O M Scott & Sons Co
(Paclobutrazol, Methylenearaxis, ammuniated phosphate, potassium sulfate) Proturf Fertilizer with TGR Plus annual control, Proturf Hybrid Bermudagrass TGR Plus Fertilizer
UAP Special Products Inc
Limit
Uniroyal Chemical
(Maleic hydrazide) Royal Slo-Gro; (Diaminomin) B-Nine SP
Herbicides, Aquatic
Anderson's
Applied Biochemists Inc
(Diquat) Weedtrine-D; (2,4-D granular) Weedtrine II
Chevron Chemical Co
(Diquat Dibromide) Diquat Herbicide-H/A
Elanco Products Co
(Vinidin) Sonar
LESCO Inc
Sonar AS, Sonar SRP, Lescocide-Plus

SIERRA Tournament Condition Everyday.

Southern Mill Creek Products Co
Daconil 2787, W-75; Chipco 26019; Dithane F-45
UAP Special Products Inc
(PCNB) Mancozeb, Tersan, Daconil, Sulfdue, Banner
Uniroyal Chemical
(PCNB) Turfide, Terraclor; (Fertilizer) Terraclor
Grass Coatings
Cellindustries
Nutra-Kote, Nutri-Kote & Apron
Nature's Touch
Green Magic
Growth Regulator
Abbott Laboratories
(Gibberellic acid) PRO-GIBB
Andersen's
Arborchem Products Co
(NAA) Sprout Gard
Burlington Scientific Corp
(Kinetin Gibberellic Acid Auxins) Auxinar
Chevron Chemical Co
(Uniconazole) Ortho Prunit
Elanco Products Co
(Fluprimidol) Cutless

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Circle No. 132 on Reader Inquiry Card

September 1989/landscape Management 81
Monsanto
(Glyphosate) Rodeo
PBI-Gordon Corp
(dichlobenil) Norosac 10G
Rhone-Poulenc AG Co
(2,4-D) Aqua-Kleen
Southern Mill Creek Products Co
Aquatine, Aquatone K; Hydrothol 191; Rodeo
UAP Special Products Inc
Aquashade Aquathel, Hydrothol
Uniroyal Chemical
(Dichlobenil) Casoron-10G

Herbicides, Nonselective
J & L Adikes Inc
Urea, No-Go
American Cyanamid Agricultural Div
Arsenal
Andersons
Arborchem Products Co
(Bromacil) Clearway
Chevron Chemical Co
(Diquat Dibromide) Diquat Herbicide-H/A
Hoechst-Roussel Agri-Veet Co (Glufosinate-ammonium) Ignite Herbicide
Jonathan Green Inc
Round-up, Vegemec
Howard Johnson Ent Inc
LESCO Inc
(Sodium metaborate tetrahydrate, sodium chloride, bromacil) Lescolar, Lesco Pro Trim, Lesco Avail
Monsanto
(Glyphosate) Roundup & Expelide
PBI-Gordon Corp
Prometon (2,4-D) Vegemec; (dichlobenil) Barrier 50-W
Rhone-Poulenc Ag Co
(Amiprotil) Amprotil-T
Rigo Co-Black Leaf Products Co
(Rimatox) Rigo’s Best Non-Selective Weed Killer; (sodium chloride, sodium metaborate) Black Leaf Grass, Weed & Veg Killer
Riverdale Chemical Co
(Sodium Chlorate & Sodium Metaborate) Killisal; (Bromacil & Dibrom) Dibro Granular & Dibro 2 + 2; (Velpar L) 1.25% Hexazinone; (Pramitol) Prometon 5E
Veg Killer Conc
Southern Mill Creek Products Co
Hyvar; Velpar; Karnes
UAP Special Products Inc
Roundup, Diquat
Uniroyal Chemical
(Dichlobenil) Casoron-10G, 50W

Herbicides, Postemergence
J & L Adikes Inc
Trimec, Roundup
American Cyanamid Co
(Imazaquin) Image
Andersons
BASF Corp, Agricultural Chemicals
(Sethoxydim) Poast; (benzatran) Basagran
W A Cleary Chemical Corp
(Mecrop) Cleary’s MCP; (Mecrop + 2,4-D) Cleary’s MCP/2,4-D(DSM) Methar 30
Distributor’s Own Turf Supplies
Turf weeder with Triamine; Distributor’s Own
Dow Chemical Co
(Triclopyr & 2,4-D) Turfon II; (Triclopyr) Turfon; (Chlorpyriphydyl & Triazine) Confront
Feritex ASCo
(MCPP, 2,4-D, Dicamba) Tricopan; (MCPP) Dicamba, MSMA 4; (MCPA) MCPA-4; (DCPA) Dacthal
Feritex ASCo
(MCPP, 2,4-D) Weedone DPC; (Asulox) Asulox
Rigo Co-Black Leaf Products Co
(MCPA) Rigo’s Best Crabgrass killer; (Eptam) Black Leaf Eptam Weed Control
Riverdale Chemical Co
(MCPA, MCPP & 2,4-D) Tri-amine II, Par 3 & Triazine Granular Weed Killer & Jet-Spray Spot Killer; (2,4-D Amine) Weedeem AM-40, Turf Weedeed D; (2,4-D, MCP & 2,4-DP) Amine Triamine; (2,4-D/ MCP & 2,4-DP/IOE) Tri-Ester; (MCPA, MCPP & 2,4- DP/IOE) Tri-Est |-I; (2,4-D & 2,4-DP/IOE) Turf D + DP; (Mecoprop/Ammonium) Mecoprop; MCPP, MCPA-4; (Mecoprop/IOE) MCPA-4; (Dichlorprop/IOE) DP 4 Ester; (2,4-D & 2,4-DP/IOE) Granular Lawn Weed Killer
Royalgard Products Co
(2,4-D, MCP, MCPP) Sabre
0 M Scott & Sons Co
(2,4-D, MCP, Dicamba) ProTurf Fertilizer with Dicot weed Control III; (Atrazine, Methylene urea, Urea, Ammoniated Phosphate, Muriate of potash) ProTurf St Augustine Weed Control plus Fertilizer; (Dicamba) ProTurf K-D-G
Southern Mill Creek Products Co
(MCPP, Dicamba, 2,4-D) Trex-San Broadleaf
UAP Special Products Inc
MecAmine - D, Four Power Plus

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Herbicides Fungicides
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Uniroyal Chemical
(Dichlobenil) Casoron-26, 4G
Valero USA Corp
(Diquat dibromide) Valent Diquat Herbicide HIA

Herbicides, Preemergence
J & L Adikes Inc
Balan, Team Casoron, Treflan
American Cyanamid Co
(Pendimethalin)
Andersons
Ciba Geigy Corp
(Metalachlor) Pennant
Distributor's Own Turf Supplies
Crabgrass control plus fertilizer with Team, Balan, Surfan, XL, Turfon or Dacthal) Distributor's Own
Elanco Products Co
(Oryzalin) Surfan; (Benefin) Balan; (Oryzalin + Benefin) XYL, (Benefin, Trifluralin) Team, (Trifluralin)
Treflan
Fermenta Plant Protection Co
(DCPA) Dacthal Flowable, Dacthal W-75
Jonathan Green Inc
Balan, Dacthal, 20-5-5 w/Pendimethalin, Fertilizer Plus
Team, New Seeding Plus Turfper
ICI Americas Inc
(Bensulide) Betusan; (Propamocarb) Denviroh; (Dipropylthiocarbamate) Eptam
Howard Johnson Ent Inc
(Team, Dacthal, Balan, Dryzalin, Excel, Tupersan, Betasang
LaRoche Industries Inc
(Team, Balan, Ronstar) Vertagreen

SEE AD NEXT PAGE

Lemonotturff Care
(2,4-D & MCPP & Dicamba) Lebanon Pro; (2,4-D, MCPP) Country Club, Green Gold, Turfmaster, Lebanon
LESCO Inc
(2,4-D & 2,4-DP) LESCO, LESCO Weedeone DPC; (2,4-D, MCPP & dicamba) LESCO Three-Way; (2,4-D) LESCO A-40; (MCPP) Lescopex; (MCPA) LESCO MSMA 6.6; LESCO Image, LESCO TFC, LESCO Moss & Algea Eraser
Mallinckrodt Inc
(Dicamba, 2,4-D, MCPP) Trexsan
Moby Corp
(metribuzin) Sencor
Monstanto
(MCPP, 2,4-D) Expedit Broadleaf Herbicide
NOR-AM Chemical Co
(Ethofumesate) Prograss
PBI-Gordon Corp
Esters of 2,4-D & 2,4-DP + Dicamba) Super Trimec; (2,4-D, MCP & dicamba) Trimec Promec; (2,4-D MCPP, dicamba) Trimec Broadleaf Herb; (Fluxzofop) Ornatec Grassy Weed Herb; Southern Trimec
Rhone-Poulenc Ag Co
(2,4-D, 2,4-DP) Weedone DPC; (Asulox) Asulox
Rigo Co-Black Leaf Products Co
(MCMGA) Rigo’s Best Crabgrass killer; (Eptam) Black Leaf Eptam Weed Control

SEE AD NEXT COLUMN

Howard Johnson Ent Inc
(Triamine, 2,4-D Amine & Ester)
LaRoche Industries Inc
(Triamine, weed & Feed) Vertagreen

SEE AD NEXT PAGE

Lemonotturff Care
(Benefit) Country Club, Lebanon, Turfmaster, Green Gold; (Bensulide) Lebanon, Country Club (DCPA) Lebanon, Country Club, (Oxadiazon) Country Club; (Benefin & Trifluralin) Country Club, Green Gold, Lebanon Pro; (Trifluralin) Lebanon, Green Gold; (Siduron) Lebanon, Green Gold; (Oryzalin) Country Club;
LESCO Inc
LESCO Pre-M, LESCO, Lescosan 4E, Lescosan 7G
LESCO Dacthal 5G, LESCO 2.5 benefit
Mallinckrodt Inc
(Bensulide) Presan
Moby Corp
(metribuzin) Sencor
NOR-AM Chemical Co
(Ethofumesate) Prograss
Entry forms are now being accepted by the Professional Grounds Management Society and LANDSCAPE MANAGEMENT magazine for their third annual "Landscape Manager of the Year" award.

The purpose of the award is to recognize superior job performance among landscape managers, to challenge those involved in the industry, to achieve higher standards of excellence and to bring national recognition to deserving managers.

Any person directly responsible for the professional maintenance of one or more landscapes is eligible to enter. Applicants will be judged according to job performance, honors and awards, procedures and philosophies, and contributions to the green industry. Applicants will be asked, at the time of entry, to submit four 5 x 7 black-and-white glossy photos and 10 color 35mm slides of current work areas with a short narrative on each.

Applicant’s name

Title

Applicant’s company

Official entry form should be sent to:

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Title

Company

Address

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Zip Code

Mail to: PGMS, Landscape Manager of the Year, 1201 Galloway Ave., Suite 1E, Cockeysville, MD 21030, 301-667-1833
Insecticides, Turf
Abbott Laboratories
(Bacillus thuringiensis) DIPEL
J & L Adikes Inc
Ottanol, Dylox
American Cyanamid Agricultural Div
(Dimethoate) Cygon
American Cyanamid Co
(Hydramethylnon) AMDRO fire ant insecticide
Ames
Tee Time
Chevron Chemical Co
(Acephate) Orthene 75S
Ciba Geigy Corp
(Isozofos) Triumph
W A Cleary Chemical Corp
(Sevin (carbaryl) Sevin SL; (Chlorpyrifos)
Dursban 2E; (Chlorpyrifos) Dursban 50W
Cumberland Intl Corp
(Carbaryl) Crunch
Distributor's Own Turf Supplies
(Diazinon, Dursban, Ottanol, Dylox & Tuperan)
Distributor's Own
Dow Chemical Co
(Chlorpyrifos) Dursban
Jonathan Green Inc
Dursban, Fertilizer + Ottanol, Mocap, Dylox, Ottanol,
Sevin, Turcan, Proxol fertilizer + Dursban
LaRoche Industries Inc
(Chlorpyrifos) Dursban, Diazinon, Prentox
Lebanon Total Turf Care
(Chlorpyrifos) Country Club, Gold, Turfmaster,
Lebanon, Lebanon Pro; (Isofentofos) Lebanon, Country Club,
(Dimethyl Phosphonate) Lebanon; (Diazinon)
Lebanon; (Isofentofos) Lebanon, Country Club, Lebanon
Pro; (Carbaryl) Lebanon

LESCO Inc
(Diazinon) LESCO Diazinon 500; (Chlorpyrifos) LESCO
Dursban 2.32G
Mallinckrodt Inc
Bendiocarb, Dycarb, (Diazinon & Methoxychlor) Dymet;
(Bendiocarb) Dymet
J J Maquet Co
(Oxamethoxyuron) Inject-A-Cide, (Diclotophos)
Inject-A-Cide B
Mobay Corp
(Oxamethoxyuron) Metasystox; (cyfluthrin) Tempo
NOR-AM Chemical Co
(Bendiocarb) Turcan & Turmac 2-1/2G
PBI-Gordon Corp
(Diclofop) Prentox
Prentiss Drug & Chemical Co
(Chlorpyrifos) Prentox Dursban 4E; (Diazinon) Preniox
Diazinon AG-500 & 5G
Reuter Laboratories Inc
(Spores of bacillus popilliae Dutky) Grub Attack
Rhine-Poulenic Ag Co
(Chlorpyrifos) Mavrik; Sevin
Rigo Co-Black Leaf Products Co
(Chlorpyrifos) Mole Cricket Bait D; (Malathion)
Rigo’s (carbaryl) Sevin 4F; (Chlorpyrifos)
Malathion #200 Spray; (Acephate) ORTHENE Turf, Tree
Malathion 5E; (Carbaryl) Sevin 10G; Carbaryl, Diazinon,
Orthene, Triumph
Van
Valent USA Corp
(Chlorpyrifos) Orthene Turf, Tree & Ornamental Spray;
(Methiocarb) SLUG-GETA Granules and Slail & Slug
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Renmay Inc
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Soil Seal Corp
(Copolymer of methacrylates & acrylates) Soil Seal Concentrate
Warren’s Terrabond Polyester Geotextile Fabrics
Weyerhaeuser
Silva-Fiber; Silva-Fiber Plus

Nematicides
Jonathan Green Inc
Mocap 5%
Igene Biotechnology Inc
(Chitin-protein complex) Clando San
Mobay Corp
(fenamiphos) Nemacur
Rhone Poulenc AG Co
(Ethoprop) Chipco Mocap 5G
Southern Mill Creek Products
Mocap, Nemacur
UAP Special Products Inc
Nemacur

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Penetrant, Metal
LESCO Inc
(petroleum based) Lesco 4-Way Lubricant
Spectrum Technologies Inc
(penetrating lubricant) Blitz; (grease) Pene-Lube

Repellents, Animal
Burlington Scientific Corp
(Denatonium Saccharide) Ro-Pel; (Vilex) RoPel
Garbage Protector
W A Cleary Chemical Corp
(Thiram) Spotrete 75 WDG; (Thiram) Spotrete F
Gustafson
(Thiram) Gustafson Thiram 42-S
Leffingwell

Soil Amendments
Aglukon Agri-Products
Viterra; Gelscape
AMPEL
(Pelletized lime & gypsum) Reveille; (Pelletized lime)
Gran U Lime; (Pelletized) Vita Power
W A Cleary Chemical Corp
(sulfur) Sulfur F; (calcium carbonate) Limestone
F; (calcium sulfate) Gypsum F
Doggett Corp
(Elemental sulfur) Nutri-Sul 90

Emerald Isle Ltd
(Sea Plant Meal) Sand-Aid
Grass Growers Inc
Terra Tack I, III, AR, MP
Jonathan Green Inc
Aquagrow
JRM Chemical
(Acrylic CoPolymer) Soil Moist; (Acrylic CoPolymer w/ fertilizer) Soil Moist Plus; (Acrylic CoPolymer) Soil Moist Fines; (Acrylic CoPolymer w/fertilizer) Soil Moist House Plant Spikes
KLM Bio Systems Inc
Bio Groundskeeper
LESCO Inc
(fertil & polymers) Lescozyme
Nacco
Soil Penetrant, Dust Binder, Spreader 79
Nature’s Touch
(push/microbial by-products, enzymes, wetting agents; organic micronutrients) Relief
PRSM
(Sewage sludge based soil amendment) Earthlife compost
Southern turf Nurseries
(Calcine clay) Terra Green
Sustane Corp
(dry organic compost turkey litter) Sustane
UAP Special Products Inc
Turfade

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516-326-1919

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404-333-9067

Ruffins Inc
2201 E Wyatt Earp Blvd
PO Box 940
Dodge City KS 67801
316-225-0071

Safer Inc
189 Wells Ave
Newton MA 02159
617-964-2990

Sandoz Crop Protection
14111 Scotts Lane Rd
Marysville OH 43041
513-644-0011 (OH call collect)
800-543-0006

Sierra
1001 Yosemite Dr
Milpitas CA 95035
408-492-8255

D B Smith & Co
414 Main St
Utica NY 13501
315-735-3223

Soil Seal Corp
3015 Supply Ave
Los Angeles CA 90040
213-727-0654

Soil Technologies Corp
51 W Adams
PO Box 1415
Fairfield IA 52556
515-472-3969
800-221-7645

Southern Mill Creek Products Co
5414 N 56 St
Tampa FL 33610
813-626-2111

Southern Turf Nurseries
2200 Norcross Pkwy, Ste 255
Norcross GA 30071
404-448-9932

Spectrum Technologies Inc
12010 S Aero Dr
Plainfield IL 60544
800-248-8873

Sustane Corp
1107 Hazeltine Blvd
Chaska MN 55318
612-448-8828

Trebor Corp
4045-A Jonesboro Rd
Forest Park GA 30090
404-366-0957

Triazone Corp
One Gatehall Dr
Pasippany NJ 07054
402-334-1804

UAP Special Products Inc
1035 E Dodge St
Fremont NE 68025
402-727-8689

Uniroyal Chemical
World Headquarters
Benson Rd
Middlebury CT 06749
203-573-3898

Valent USA Corp
1333 N California Blvd
Walnut Creek CA 94596
415-256-2700

Vigor Industries Inc
PO Box 512
Winter Haven FL 33882-0512
813-294-2567

Weyerhaeuser
Engineered Fibers-EF4
Tacoma WA 98477
800-443-9179

• Wilt-Pruf Product Inc
PO Box 469
Essex CT 06426
203-767-7033

**Advertiser. See Advertisers Index**
Years of trials and research are necessary to develop new turf and forage varieties which keep pace with the ever changing needs of the consuming public.

That is why TMI is developing Today varieties that will carry us into the 1990's. From international sources and from some of the nation's finest universities, TMI is constantly searching for improvements to our proprietary program.

Circle No. 167 on Reader Inquiry Card

TMI's New Office/Research Facility EST. 1987

Turf Type Tall Fescues
- Wrangler
- Aztec
- Taurus
- Sundance
- Turf Gem II
- Brookston

Dwarf Fescues
- Bonsai
- Turf Mates

Perennial Ryegrasses
- Aquarius
- Pennfine
- Allaire
- Manhattan II
- Rodeo
- Patriot
- Laredo
- Stallion
- V.I.P. Blends
- Spectrum Blends

Kentucky Bluegrasses
- Gnome
- Merit
- Tendos
- Twilight
- Rugby
- True Blue
Ask your Medalist Turf Distributor about these quality turf products from Northrup King:

Bluegrasses:
- Adelphi
- Aspen
- Aquila
- Kelly
- Parade
- Rugby
- Trenton

Rye Grasses:
- Caddie
- Delray
- Goalie
- NK200
- Pennfine

Fine Fescues:
- Dawson
- Ruby
- Scaldis

Tall Fescues:
- Arid
- Galway

Others:
- Penn Pals
- Bentgrasses
- Fults Alkaligrass

Mixtures & Blends:
Write or call for a complete guide to Northrup King's line of pre-formulated mixtures and blends.

NO MATTER WHO WINS OR LOSES AT SOLDIER FIELD, WE GET TRAMPLED.

You've got to be tough to win at Soldier Field.
A classic battle was fought over this turf. When the dust settled, Chicago picked Medalist.
The lakefront home of Chicago's rugged Bears is now covered with a dense, beautiful premium blend of Trenton, Rugby, Glade and Aspen Kentucky Bluegrasses. All top-quality turfgrasses from Northrup King.

It's a proven performer that stands up to the relentless pounding. Bounces back strong week after week. And resists the attacks that can end the season for less hearty performers. Just being pretty doesn't cut it in Chicago.
So tune in. You can now watch the Bears stomp on one of the nation's best.
5. Seed Companies

J & L Adikes Inc
182-12 93rd Ave
Jamaica NY 11423
718-739-4400
Kentucky Bluegrasses: Adelphi, Merit, S-21; Perennial Ryegrasses: All Star, Derby, Regal; Fescues: Creeping, Chewing. Houndog Tall; Turfseed Mixes or Blends: made to specifications

Am-Sod Inc
2606 Hollister St
San Diego CA 92154
619-428-6112
Kentucky Bluegrasses: Liberty. Eclipse. Midnight, Regency. Robinson; Ryegrasses: Omega II, Saturn, Pinnacle, Manhattan II, Pennfine; Perennial Ryegrass: Barry, Yorktown II, Palmer; Bentgrasses: Astoria, Highland, Penncross, Pennpine, Pennlinks; Turfseed Mixes or Blends: Medallist 7, Medalist 6, Medalist 5, Medalist 7-1; Sabre, Medalist 400, Medalist 400-5-1; Medieval 60-40, Landscape Pro Mix III, Shady Turf III, Premier Turf Mix III, Premium Seed Blend III, Winchester Mix; Other: Fusil Puccinellia distans

Jonathan Green & Sons Inc
Squaknum-Yellowbrook Rd
PO Box 326
Farmingdale NJ 07727
201-938-7007

J & L Adikes Inc
806-272-5506
Forest Grove OR 97116
Fine Lawn Research Inc
9 Stewart PI
Garfield Williamson Inc
Farmingdale NJ 07727
PO Box 326
Squankum-Yellowbrook Rd
Ken Bluegrasses: Adelphi, Merit, S-21; Perennial Ryegrasses: All Star, Derby, Regal; Fescues: Creeping, Chewing. Houndog Tall; Turfseed Mixes or Blends: made to specifications

E F Burlingham & Sons
PO Box 217
Forest Grove OR 97116
503-357-2141
Fescues: (Tall) Falcon

E F Burlingham & Sons
PO Box 217
Forest Grove OR 97116
503-357-2141
Fescues: (Tall) Falcon

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Seed Companies

continued

Peterson Seed Co
PO Box 346
Savage MN 55378
612-445-2606
Kentucky Bluegrasses: Monopoly, Classic & Eclipse

Otto Pick & Sons Seeds Ltd
11151 Yonge St
Box 126
Richmond Hill ON Canada
L4C 4X9
416-884-1147
Fax 416-884-1538
Kentucky Bluegrasses: America, A34, Banff, Cheri, Nugget, Fyking Perennial Ryegrasses: Blazer, Blazer II, Fiesta, Fiesta II, Jazz Fescues: (Chewings) Agram, Jamaicestown, Victory, (Creeping) Boreal, Pennlawn (Hard Fescue) Spartan (Tall) Mustand, KY31; Bentgrasses: Colonial, Creeping, National, Penncross, Pennneagle

* Pickseed West Inc
PO Box 888
Tangle OR 97389
503-926-6886
Kentucky Bluegrasses: Alpine, America, Touchdown, Banff, Bronco; Perennial Ryegrasses: Fiesta II, Blazer II, Dasher II, Jaz, LEX 86, Pick 715; Fescues: (Tall) Mustang, Maverick II, Thoroughbred, Shortstop; (Tall) Crowfoot; (Chewings) Agram, Victory, (Hard) Spartan, Tournament; (Sheep) Azy; (Creeping) Jasper; Bentgrasses: Exeter colonial, Kingstown velvet, National creeping, Penncross, Pennneagle, Pennnligens creeping, Turfseed Mixes or Blends: Futura 2000, Fiesta II, Dasher II, Blazer II, Futura Plus (Fiesta, Dasher, Blazer), Team (Mustang, Maverick II, Thoroughbred); Other: Colt poa trivialis, Flowers 'n Flowers wild flower mix, Flowers 'n Grass mix

Proprietary Seeds Inc
2882 Howell Prairie Rd NE
Salem OR 97305
503-585-7033
Kentucky Bluegrasses: Merit, Showplace Brand Blend; Perennial Ryegrasses: Vantage, Magnun Brand Blend; Fescues: Bonanza Tall, Turfseed Mixes or Blends; Magn stem brand perennial ryegrass blend (Vantage, Citation II, Caliente, Prelude, Palmer)

Robert's Seeds
PO Box 206
Tangle OR 97389
503-926-6886
Kentucky Bluegrasses: estate Perennial Ryegrasses: Calypso, Riviera Fescues: Content, Guardian Turfseed: Mix to companies specifications

* O Scott & Sons Co
14111 Scotts laid Rd
Maryville OH 43041
513-644-0011 (OH call collect)
800-543-0006
Kentucky Bluegrasses: Victa, Bristol, Abbey, Coventry; Perennial Ryegrasses: Loretta Ovation, Caravelle; Fescues: Banner Bentgrasses: Penncross, Pennneagle, Pennlinsk, Pennway; Turfseed Mixes or Blends: Sportsturf (Loretta/Pennmax Perennial Ryegrass, Abbey/ Vicita Bluegrasses), Other Turf Seed: Winter Turf overseeding line (4 different Perennial Ryegrass blends)

Seaboard Seed Co
PO Box 117
Bristol IL 60512
312-553-5800
Kentucky Bluegrasses: Midnight, Classic, Eclipse, Glad, Haga, Adelphi, Baron, Merit, Gnome, Monopoly, Parade, Touchdown, Nassau, Banff, Newport, Julia, Chateau, America, A-34, Park, Ram, Nugget; Perennial Ryegrasses: Palmer, Prelude, Manhattan II, Pennant, Derby, Fiesta II, Pennine, Manhattan II, Citation, Jazz, Rodeo, Patriot, Omega II; Fescues: Fine-spartan, Salcis, Victory, Jamaicestown, Koket, Pennlawn, Tall-ard, Olympic, Apache, Adventure, Mustang, Falcon, Brookston, K 31; Bentgrasses: Penncross, Pennneagle, Seaside, Highland, Exeter, Red top; Turfseed Mixes or Blends: Custom mixes; Other: Crown Vetch, Birdstop Trefoil, Native Grasses, Wildflowers, Poa Trivialis, Canada bluegrass, Fults, Reed Canary

Seed Research of Oregon Inc
PO Box 1416
Corvallis OR 97339
503-757-2663

Southern Turf Nurseries
2200 Norcross Pkwy Ste 255
Norcross GA 30071
404-448-9932
Sod/Sprigs (South Only): Tilway 419, Tifgreen 328, Tilfor, Centipede, Midiron

Sunbelt Seeds Inc
2200 Norcross Pkwy Ste 255
Norcross GA 30071
404-448-9932
Kentucky Bluegrasses: Baron, Nassau, Georgetown, Ram I, Mystic, Sutfolc; Perennial Ryegrasses: Palmer, Prelude, Cowboy, Yorktown II, Repell; Fescues: Jamaicestown Chewing: (Tall) Rebel, Rebel II, Tribute, Cleftme, Barone: (Creeping) Southshore, Turfseed Mixes or Blends: Marvel Green Supreme, Marvelgreen Classic, Marvelgreen Laser & Marvelgreen 3 + 1, Marvelgreen Transition, Marvelgreen Sports Mix; Other: Pinto Wildflowers, Centipede, Hulled Bermuda, Weeping Lovegrass, Carpetgrass

* Tee-2-Green Corp
3017 G St
PO Box 250
Hubbard OR 97032
503-981-9571
800-247-6910
Bentgrasses: Penncross, Pennneagle, Pennlinsk, Pennway blend

Turf Merchants Inc (TMI)
PO Box 1467
Albany OR 97321
503-491-3622
800-421-1735
Kentucky Bluegrasses: Gnome, Tendos, True Blue, Lexington, Rugby, Perennial Ryegrasses: Pennfine, Manhattan II, Rodeo, Patriot; Fescues: Tall-Wrangler, Turfgem, Brookston, Bentgrasses: VIP Cr, Blend; Turfseed Mixes or Blends: VIP Overseeding Blend (Pennfine, Manhattan II, Patriot)

* Turf Merchants International (TMI)
33390 Tangent Loop
Tangent OR 97389
503-926-8649
800-421-1735
Fax 503-926-4435
Kentucky Bluegrasses: Gnome, Tendos, True Blue, Merit, Rugby Perennial Ryegrasses: Aquarius, Patriot, VIP, Pennfine, Manhattan II, Rodeo, Stallion; Fescues: (Tall) Wrangler, Taurus, Aztec, Turf Gem II; Bentgrasses: Penncross, Pennneagle, Pennlinsk

* Turf Seed Inc
3017 G St
PO Box 250
Hubbard OR 97032
503-981-9571
800-247-6910
Kentucky Bluegrasses: Midnight, Columbia, Challenger, Voyager, Galaxy Blend, Blacksburg Perennial Ryegrasses: Manhattan II, Citation II, Birdie II, 246, Charger, Omega II, Remington, Saturn, Alliance Blend, CBS II Blend Fescues: (Tall) Apache, Olympic, El Dorado, Triathlon, Silverado, Monarch, Murietta Shadow Chewings, Aurora Hard, Fortress creeping, Shademaster creeping, Big Horn Sheeys, Flyr Bentgrasses: Pencross, Pennneagle, Pennlinsk, Pennway

Van Der Have Oregon Inc
PO Box 1496
Albany OR 97321
503-967-8923
Kentucky Bluegrasses: Sophia, Minstral, Cynthia; Perennial Ryegrasses: Ranger, Brenda, Nova, Mondial, 2H7, Fescues: (Chewings) Waldorf, Epson (Creeping) Dawson, (Tall) HR2-18, Biljart, Silvana Hard; Bentgrasses: (Creeping) Carmo (Colonial) Tracta Turfseed Mixes or Blends: Quartet-Mondial, Brenda, Patriot, Pennfine

Vaughan Seed Co
5300 Katrine Ave
Downers Grove IL 60515
312-969-6300
Kentucky Bluegrasses: Adelphe; Perennial Ryegrasses: All Star, Citation

Vaughan Seed Co
Chimney Rock Rd
Bound Brook NJ 08805
201-356-4200
Kentucky Bluegrasses: Adelphi, Glade, Cheri, Merit, Touchdown: Perennial Ryegrasses: All Star, Pennant, Citation, Regal

Warren's Turf Nursery Inc
Cordelia & Chadbourne Rds
PO Box 459
Suisun City CA 94585
707-422-5100
Kentucky Bluegrasses: Warren's A-34, Able-1 Fescues: Adventure Turf Type Tall, Avanti Tall

Willamette Seed
PO Box 791
Albany OR 97321
503-926-2728
Perennial Ryegrasses: Ranger, Seville, Caliente; Fescues: Willamette, Shannandoha & PIP Turf Type Tall; Turfseed Mixes or Blends: Southern Select & Club

* Advertiser. See Advertiser's Index
Why The Grass Is Always Greener At ServiceMaster.

Last year, revenues for the lawn care industry as a whole grew 15%. Revenues for ServiceMaster LawnCare grew a whopping 77%! Over five times the industry rate.

Obviously, we must be doing something right. And we are.

For one thing, ServiceMaster is one of the few lawn care companies able to provide truly customized treatment to every customer. We specially design our own trucks and equipment so you can individually tailor your treatment to each lawn.

For another, we provide complete training and back-up support. Programs like discount purchasing. A 1-800 hot line for special agronomic questions. Year-round marketing support that will help you get business even in winter.

Over 90% of our ServiceMaster franchises are still going strong after three years. This year, in fact, Fortune magazine named us No. 1 for return on equity in their ratings of the 500 top service companies in America.

So if you're looking for the right opportunity to start your own lawn care business, you simply can't find a company with a more consistent record for success.

If you qualify, you could get started in a ServiceMaster LawnCare franchise for as little as $7,000 plus additional working capital.

You can start out while still keeping your regular job if you wish.

For more information, call Stan Guy toll-free at 1-800-635-SERVE.

ServiceMaster LawnCare

Partners in the ServiceMaster Quality Service Network - ServiceMaster, TERMINIX, merry maids.

Circle No. 161 on Reader Inquiry Card © 1989 The ServiceMaster Company L.P.
Choice blend of Ranger, Seville & Caliente; Plantation Pride tall blend of turf type fescues; Other: Bloomcoat wildflower seeds

Zajac Performance Seeds
33 Sicomac Rd
North Haledon NJ 07508
201-423-0110
Diagnostic services

Kentucky Bluegrasses: Eclipse, Liberty; Perennial Ryegrasses: Omega II, Envoy, Saturn; Fescues: (Tall) Jaguar II, Emperor, (Creeping) Vista Turfseed Mixes or Blends: Custom blends

Subsurface drainage matting, natural turf and soil reinforcement matting

C D Anderson
515 Ogden Ave
Downers Grove IL 60515
312-964-0399
Landscape training videos

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1600 W Main St
Wilmington OH 45177
513-382-5502(OH)
800-342-2765
Equipment leasing/financing

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2255 Lava Lane
Alamosa CO 81101
719-589-9256(CO)
800-528-2765
Decorative rocks (landscape supplies)

Environmental Industries Inc
24121 Ventura Blvd
Calabasas CA 91302
818-992-5900
Landscape services

G E Mobile Communications
Mountain View Rd
Lynchburg VA 24502
800-GE1-2345
Mobile radios

You can make a difference. Trees you plant may be our best line of defense. Trees can shade your home in summer, and slow winter wind. While your trees absorb CO₂, they also reduce the amount of fossil fuel burned for cooling and heating.

As a result, your trees can be as effective as 15 forest trees in fighting the Greenhouse Effect.

Free Booklet. The National Arbor Day Foundation has published a guidebook titled Conservation Trees which will show you how to plant and prune shade trees and windbreaks.

I'm pleased to offer it to you free of charge. Just return the coupon below and I'll send your Conservation Trees booklet by return mail.

John Rosenow, Executive Director
National Arbor Day Foundation

Yes, Send my free Conservation Trees booklet.

Name
Address
City State Zip
Mail to: Conservation Trees, National Arbor Day Foundation, Nebraska City, NE 68410

Savage Heat Waves, Water Shortages, Parched Farms Year After Year After Year

The National Arbor Day Foundation Urges You to Plant Trees to Fight the Greenhouse Effect

The Earth is heating up. "The Greenhouse Effect," says James E. Hansen, Director of NASA's Institute for Space Studies, "is here...it's time to stop waffling."

A sharp increase in atmospheric carbon dioxide (CO₂) is a major cause. Two things contribute — the burning of fossil fuels and the destruction of forests.

You can make a difference. Trees you plant may be our best line of defense. Trees can shade your home in summer, and slow winter wind. While your trees absorb CO₂, they also reduce the amount of fossil fuel burned for cooling and heating.

As a result, your trees can be as effective as 15 forest trees in fighting the Greenhouse Effect.

Free Booklet. The National Arbor Day Foundation has published a guidebook titled Conservation Trees which will show you how to plant and prune shade trees and windbreaks.

I'm pleased to offer it to you free of charge. Just return the coupon below and I'll send your Conservation Trees booklet by return mail.

John Rosenow, Executive Director
National Arbor Day Foundation

Yes, Send my free Conservation Trees booklet.

Name
Address
City State Zip
Mail to: Conservation Trees, National Arbor Day Foundation, Nebraska City, NE 68410
PRODUCTS

Measuring device is accurate to the inch
Stanley Tools now offers a measuring wheel to measure distances quickly and accurately. The wheel (Model 39-012) uses a precision-calibrated, push-button resettable counter that automatically records measurements in feet and inches, up to 1,000 feet. The unit features a wide, one-foot circumference wheel rimmed with a Neoprene tire. It also comes with a telescoping handle, from 22 to 36 inches.

![Measuring Wheel](image)

Circle No. 201 on Reader Inquiry Card

Aerating cores eliminated by pulverizing action
The Lawn Genie is a pick-up sweeper/mower from Mathews Company that eliminates aereaing cores with one pass down the fairway.

When a damper is in the open position, the hammer action of the Genie's free-swinging flail knives pulverizes the cores and returns most of the soil to the ground. Vacuum paddles create a vacuum to pick up thatch and grass. The damper can also be closed to deposit the pulverized cores over ground.

Mathews says tractor-powered Genies in 60-inch and 72-inch widths with Category 1, 3-point hitches and 540 rpm PTO are being used to remove cores on golf courses and other fine turf areas in parks and on playing fields. They are also used to pick up leaves, twigs and other debris.

A driver controlled cable winch is used to empty the hopper. A hydraulic dump kit is also available.

Circle No. 203 on Reader Inquiry Card

Splice kits ideal for irrigation work
Direct Bury Splice Kits with Scotchlok R connectors permit fast, simple installation of underground electrical splices for use in projects of 30 volts or less.

The kit, from 3M's Electrical Products Division, requires no crimper tool or other equipment to make quick, reliable splices. The procedure involves stripping wires, twisting on a Scotchlok connector, then inserting the connector into a tube that has been pre-filled with insulating gel. The tube cover is snapped shut and the entire assembly is buried. Locking fingers in the tube hold the Scotchlok connector in place and the closed tube cover provides strain relief. The pre-filled tube eliminates the problem of installers using too much or too little gel.

Splices are designed to protect against corrosion failure. Effective application range is 32 to 120°F.

Circle No. 202 on Reader Inquiry Card

Irrigation hose works in tight quarters
The Super Blue Flex Hose is the newest product from Hardie Irrigation. Hardie says the hose is extremely flexible, easy to work with and ideal for installing sprinklers in tight quarters. The Super Blue Flex Hose is compatible with all fittings, including Olson E-Z, ELL, Dura, Toro and Rain Bird.

Each coil is wrapped in lengths of 100 feet, and unwinds easily from the center of the coil.

Brochure details features of new tractor series
The new Jaguar 4000 series tractor is featured in a brochure from Ransomes. Information is provided on the four-mower line, along with detailed specification data.

The Jaguar 4000 is a premium machine incorporating the best in rotary mowing technology. Ransomes claims. Mowing decks of either 61" or 74" are available. The 74" deck has a deepdraft design to ensure that all clippings are discharged out the chute, minimizing clumps.
Residue detector gives results in minutes
A new method for measuring insecticide residue can detect 80 percent of all U.S. registered insecticides, according to EnzyTec, Inc.

The product is the size and shape of a small ticket, and can detect the presence or absence of the carbamate, thiophosphate and organophosphate insecticides. Detection range is up to 1 to 10 parts per billion. The ticket detects pesticides in air, water, soil or on surfaces, depending on the technique used.

According to Elizabeth Burkett, marketing manager for EnzyTec, the detection system can be used in a number of ways by golf and grounds maintenance professionals. For example, workers can efficiently monitor the need to change filters in respirators. "Placed inside the facemask, away from the nose and mouth, the detector disc allows an applicator to check the effectiveness of his respirator filter and lets him know when to change it," says Burkett. "A white result on the detector ticket indicates the need for a filter change, while a blue result indicates an effective filter."

EnzyTec says the test can also provide superintendents with a method of monitoring golfer exposure to insecticides applied to a golf course over the golfing season. They are available in kits of 10, 25, 50 or 100 tickets.

Save water and energy with flow-regulated unit
Netafim Irrigation's Dan 2001 Micro-Sprinkler is flow regulated for all terrain with high uniformity and protection from sand and insects.

According to Netafim, the Dan 2001 is ideal for application in orchards, vineyards, greenhouses and nurseries and for micro-climate control. It easily retrofits many existing irrigation systems, and the large nozzle diameters and self-cleaning design reduce chances of clogging.

The sprinkler has low precipitation rates for effective soil penetration. Its interchangeable orifices require no tools for disassembly. The Dan 2001 is fully flow compensating over a pressure range of 20-50 psi, assuring balanced water distribution.

Areameter records speed, time and distance traveled
The AMC 100 Areameter system is now available from Warner Electric/Dana Corporation. The Areameter can be mounted on a variety of vehicles to measure, monitor and record the area traversed by the vehicle, as well as the speed, time and distance. Applications for the Areameter in-
clude measurement of farm land for precision application of seed and fertilizer, measurement of open areas to determine the amount of material required for paving, and maintenance requirements for large landscaped areas such as golf courses.

The first time the system is used, it measures and records the work area to establish a baseline of information for subsequent operations.

**New mower line features three adjustable models**

A new line of commercial grade walk-behind mowers is now available from Woods. Mowing widths are 36, 48 and 61 inches, with adjustable cutting heights from 1/2 to 4 inches.

A heavy duty hydrostatic transaxle drive provides smooth operation, fast response and eliminates clutching. One lever controls speed, from 0 to 6 mph and up to 2 mph in reverse. Dual disc brakes are employed for precision steering.

Traction is improved with 16-inch tires. An oil bath gear drive is used to drive both wheels to assure straight tracking.

The mower deck on these units is welded from 10-gauge steel, with double reinforced side skirts.

Kohler provides the power.

**Hand pump designed as bacteria fighter**

A new prototype of the Renson hand pump that is protected from contamination has been developed by F.R. Industries of Pittsburgh and French manufacturer Renson.

**GREAT ON THE GREAT OUTDOORS.**

**GREENSKEEPER 20-4-10**

The great outdoors has a wide range of turf conditions. So where do you turn for one superior, yet economical feeding? Greenskeeper 20-4-10. This homogeneous fertilizer contains 40% organic nitrogen and is formulated for immediate turf green-up and sustained feeding. Yet it is cost-efficient for use on a diversity of turf areas. From your source for premium quality turf products.
Choose The RIGHT PLASTIC FENCE

IDEAL FOR GOLF TOURNAMENTS and special events; construction, maintenance, landscaping and newly seeded areas; snow and sand control.
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P.O. Box 20140 Cleveland, Ohio 44120
Phone 216/231-8590 • Fax 216/231-2702

Circle No. 155 on Reader Inquiry Card

PRODUCTS from page 105
The opening around the shaft has been effectively sealed and an O-ring has been installed inside the shaft opening.

F.R. Industries says the pump improves the quality of drinking water and reduces the cost of maintenance.

In November 1988, according to F.R. Industries, the Delaware Bureau of Environmental Health stated that the Renson pump had met the sanitary design requirements necessary to ensure public health.

Circle No. 211 on Reader Inquiry Card

Keep debris in place with sweeper apron
Parker Sweeper Company’s Sweep-A-Lawn lawn sweeper keeps grass and leaves in place and safe from swirling winds.

Elastic cords are anchored through grommets at both upper corners of the wind apron and are secured to the upper basket rod with hooks on each side. The wind apron fits snugly and is easily removed for emptying.

Parker says the Sweep-A-Lawn can be used as either a push or trailing sweeper. Hitch for the trailing sweeper is optional. Sweeping width is 30 feet and the basket holds 4.4 cubic feet of material.

Circle No. 212 on Reader Inquiry Card
BUSINESS OPPORTUNITIES

In Mid-Western Wisconsin: Well established landscaping business averaging 110K per year, located in rapidly growing city, 45 miles East of Mpls., St. Paul. Includes all landscaping equipment, vehicles, nursery stock, snowplowing business, etc. Also includes 5 bedroom home on 3 acres with buildings, spa, swimming pool, fireplace. Great Opportunity. $179,000. 715-235-7307. 9/89

CURB KING: Curb machine that lays continuous concrete landscape borders. Low investment, high returns. For information call 302-434-5337 or write PO Box 44057, Grand Junction, CO 81504. 9/89

We are recruiting!

We’re looking for knowledgeable people in the following areas:

Environmental Care, Inc. landscape management
Arbor Care commercial & industrial arboriculture
Interiorscape Division interior landscape maintenance

Offices located in:

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Denver
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Los Angeles
Miami
Palm Springs
Orlando
Sacramento
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Personnel Department
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Horticulture Instructor: Virginia Western Community College, a growing comprehensive community college located in Roanoke, VA, serving a population of approx. 250,000 and enrolling approx. 8000 students for fall semester, is accepting applications for a horticulture instructor. This is a full-time, nine-month teaching position responsible for course assignments in landscape and related support courses in the college's A.A.S. degree program in Horticulture Technology. Responsibilities also include administrative duties in recruitment, marketing, and program expansion. Minimum requirements: Bachelor's degree in a major in horticulture; minimum two years of occupational experience in ornamental horticulture; excellent teaching skills; and ability to help the department expand and market its curricular offerings. Commitment to instruction, student learning, and academic advising of students in community college setting is essential. Good communication and interpersonal skills are basic to this position. Contract to begin, preferably January 2, 1990, but no later than August 16, 1990. For state application contact VVCC Personnel Office, P.O. Box 14005, Roanoke, VA 24038 or phone 703-875-7282. State application, resume, and transcripts of all college coursework completed must be submitted by Friday, September 29, 1989, EEO/AA. 10/89

Ohio landscape construction company wants to expand into landscape maintenance and is interviewing Managers and Supervisors. Excellent compensation package. Send resume or letter describing your experience to: Landscape Man-agers, 11738 Lake Ave., Suite 203, Lakewood, Ohio 44107. 10/89

LANDSCAPING TRAINING OPPORTUNITY: Learn Landscaping at Home. At completion of study, certificate awarded. Get into fascinating new career. Job openings for quality Herbicide Manager/Applicators (in the Southeast, Northeast, and Midwest). Must be motivated and be willing to travel. Mechanical ability desirable. Send resume or call: Weeds Inc., 520 West Cobbs Creek Parkway, Yeadon, PA 19050. (215)272-5539. 9/89

“Consider all of your employment options in the irrigation and landscape industries. Call Florapersonnel, the international employee search firm for the ornamental horticulture industry. Completely confidential. Employer pays fee. Florapersonnel, Inc., P.O. Box 1732, 1450 S. Woodland Blvd., Suite 201, Deland, FL 32721-1732. (804)738-5151. Jim Bambrick, Jeff Brewer, David Shaw, CPC, Rob Zahra, CPC.” TF

EDUCATIONAL OPPORTUNITIES

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Lawn Doctor, Inc. needs a graduate Agronomist with a minimum BS Degree for National staff work with responsibilities on turf management, training and regulation. Practical experience with warm season grasses a plus; good communication skills a must. Medium travel from New Jersey Corporate Headquarters. (215)583-3200 or resume/salary history to John Buechner, Lawn Doctor, 75 Atlantic Avenue, Matawan, NJ 07747. 10/89

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LANDSCAPE MANAGEMENT SALESPERSON: Leading Kansas City Landscape Company has immediate opening for talented, experienced, and aggressive person in Landscape Management Sales. B.S. in Horticulture or related field preferred. Salary, incentive, benefits. Send a resume with experience and salary history to the address listed. HERMES LANDSCAPING, P.O. BOX 14336, LENEXA, KS 66215. 9/89

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Nassau is a hybrid variety (P-59 X Baron) developed by Dr. C Reed Funk of Rutgers University.