

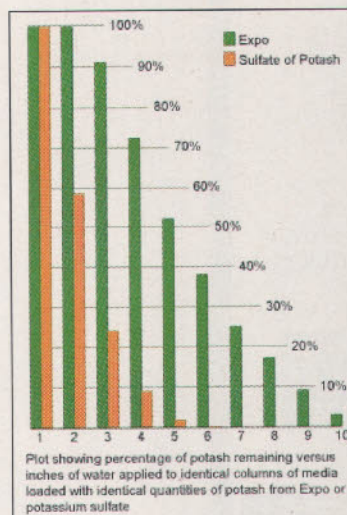


## LIQUID FERTILIZER W/ 50% SRN

Starter Plus 8-32-5 with 50% slow-release nitrogen is a high phosphorus solution for newly seeded areas. Made from high quality N-P-K materials, this product provides a continuous, steady source of nitrogen from Methylene Urea, along with quickly available nitrogen to promote top growth with limited thatch formation. The P and K contained in this product are readily available to help ensure good rooting. Starter Plus 8-32-5 is ideal for foliar spray and hydroseeding applications. It is highly compatible with fungicides, herbicides, and insecticides.

Growth Products/800-648-7626

For information, circle 170 or  
see [www.oners.ims.ca/2076-170](http://www.oners.ims.ca/2076-170)



## POTASH VEHICLE

Expo is a cost-effective controlled-release source of potassium sulfate that extends the agronomic benefits of potash by resinating potassium sulfate with high activity index Meth-Ex #0 methylene urea complex. The result is a homogeneous granule that delivers potash over a period twice as long as unresinated sulfate of potash. Expo is available in two granule sizes and is featured in the Par Ex and NX-PRO LebanonTurf product lines.

Lebanon Turf Products/800-532-0090

For information, circle 171 or  
see [www.oners.ims.ca/2076-171](http://www.oners.ims.ca/2076-171)

# Pro's Choice SOILMASTER Select Series

For premium performance and a color that will set your field apart, choose the Soilmaster Select Series from Pro's Choice. Scientifically engineered to meet daily maintenance challenges and give your field a professional look, Soilmaster Select is the TRUE choice of groundskeepers around the league for building and maintaining winning ballfields. Available in four distinct colors, Soilmaster Select's uniform granules manage moisture and alleviate compaction to keep your field in top playing condition. Pro's Choice delivers a full line of sportsfield products for conditioning soil and infield mix, topdressing infields, quickly drying puddles and revitalizing turf.

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1.800.648.1166



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SELECT GREEN

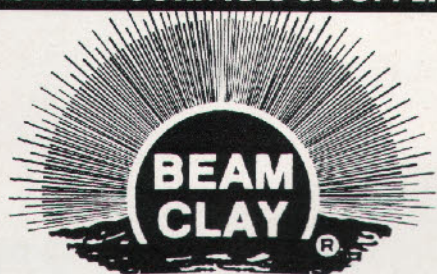
SOILMASTER®  
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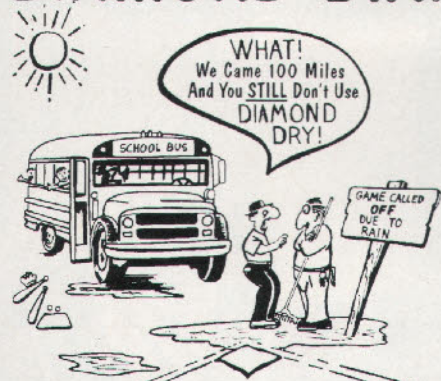
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Studies at over 20 universities validate Nature Safe's performance improving turf color, density, stress tolerance and disease suppression properties.

**Nature Safe Natural & Organic Fertilizers/859-781-2010**

For information, circle 163 or

see [www.oners.ims.ca/2076-163](http://www.oners.ims.ca/2076-163)

**SEASHORE PASPALUM**

Sealsle 1 is a fine bladed certified seashore paspalum is a good alternative to Tifway 419 and TifSport Bermuda in salt-stressed environments. With the right management practices, you can irrigate Sealsle 1 using a seawater blend, or even straight ocean water.

Sealsle1/706 542-5640

For information, circle 164 or

see [www.oners.ims.ca/2076-164](http://www.oners.ims.ca/2076-164)

**TURF & SOIL CONDITIONER**

Turf DoubleTEAM is a turf and soil conditioner in one. A blend of Turface MVP and natural organic fertilizer, DoubleTEAM conditions the soil and provides plants with organic nutrients to recover from the stress of athletic traffic. Product is for use in sports field construction, renovation, installation, and topdressing programs.

Profile Products/800-207-6457

For information, circle 162 or

see [www.oners.ims.ca/2076-162](http://www.oners.ims.ca/2076-162)





## HIGH CONDUCTOR SPRINKLER CABLE

To meet the expanded capabilities of new controller stations, Baron has added 3 new constructions to its Barogation Sprinkler Cable line, 18/16, 18/19 and 18/25. By using a special striping process, Baron is able to jacket 16, 19 and 25 conductors with each conductor visibly different and still keep a competitive price. Baron's High Conductor Sprinkler Cable employs the 13 industry standard insulation colors with the duplicate color striped with white for a total of 16, 19 or 25 using the white conductor as a common wire. All stripes are extruded into the insulation for permanence.

Baron/800 323 9355

For information, circle 166 or

see [www.oners.ims.ca/2076-166](http://www.oners.ims.ca/2076-166)



## CERTIFIED BERMUDAGRASS

TifSport has a number of characteristics that make it ideal for athletic fields, commercial landscaping, or fairways. It is cold tolerant, has an impressive leaf texture, dark green color, upright leaf blade orientation, sod strength, traffic tolerance, good lateral growth, density, and lower nutrition requirements. It's also pest resistant and can tolerate closer mowing heights than other bermudas.

TifSport can only be sold as certified sod or sprigs by a licensed grower.

TifSport/706 542-5640

For information, circle 165 or

see [www.oners.ims.ca/2076-165](http://www.oners.ims.ca/2076-165)

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# Isn't it time you had the home team advantage?



Aeration tines are changing and so are aerating practices. More and more sports turf managers are discovering some remarkable improvements in their turf after adopting an extended aeration program. We offer versatility when it comes to aeration, with 4', 6' or 15' widths, three point hitch or tow-behind, along with your choice of five tines. (BA-600 Super-Ject 6' aerator pictured).



The B-SDS-4 Simple Dimple Seeder is Ideal for thickening turf and filling in worn or bare spots. Surface disturbance is a thing of the past, along with shutting down a sportsfield for seeding. Featuring accurate and adjustable seed rates to meet the needs of all types of seed varieties.



Bannerman topdressers are built to the highest engineering standards, hydraulically controlled to ensure uniformity and economy. We have a variety of sizes, from 1.5 cu. yd. to 7.5 cu. yd. and one to fit all your requirements. (BTD-20 Turf Topper pictured).



41 Kelfield Street, Rexdale, Ontario, Canada M9W 5A3

CANADA 1-800-325-4871

USA 1-800-665-2696

[www.sportsturfmagic.com](http://www.sportsturfmagic.com)

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With its adjustable guide shoe, the Bannerman **Diamond Edger** is surprisingly easy-to-use. Its three-inch blade depth and reversible, 20-inch concave disc work together to quickly eliminate ridging. Debris is spiraled into the infield for fast and easy clean-up.



DIAMOND EDGER: MODEL NO. B-DE-20



DIAMOND MASTER: MODEL NO. B-DM-6

## 2. GROOM IT

The **Diamond-Master**® (pictured) and **Ballpark-6**® groomers will give your ball diamonds a surface just like the professional teams demand, and reduce the time, effort and labour required to do the job.

## 3. LINE IT

The Bannerman **WetLiner** is a simple, practical tool for line marking of turf surfaces. Other wet liners spray, while our WetLiner paints each blade of grass to the ground for solid, longer lasting lines. Paint saver roller is available as an option.



WET LINER: MODEL NO. B-WLM-234



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## PERMANENT FOUL LINES

Install once and never line outfield turf again, says Partac/Beam Clay. These permanent foul lines feature an arrow-shaped anchoring design that secures the PVC white vinyl lines in the ground.

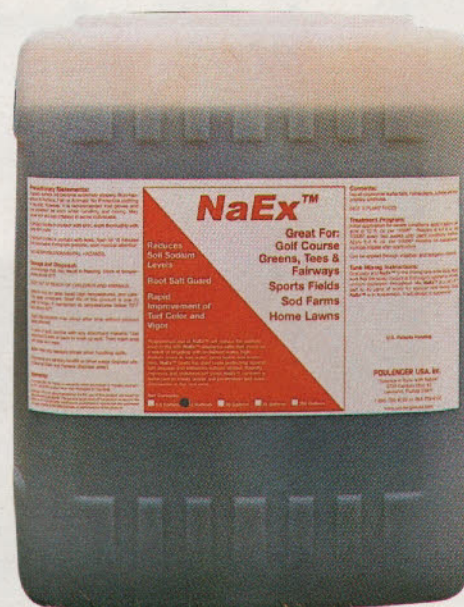
Just one of the more than 200 infield and sports turf products available from Partac/Beam Clay.

Partac/Beam Clay/800-247-2326  
For information, circle 158 or  
see [www.oners.ims.ca/2076-158](http://www.oners.ims.ca/2076-158)

## TOO MUCH SALT?

Applying a NaEx program will remove salts from the root zone and coat the roots, protecting against sodium in your irrigation water and salt deposits that may result from heavy fertilizer applications. Product is ideal for irrigation systems using reclaimed and effluent water or sodium-rich well and pond users.

Poulenger USA Inc./866-709-8102  
For information, circle 159 or  
see [www.oners.ims.ca/2076-159](http://www.oners.ims.ca/2076-159)



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## IRRIGATION PRODUCTS GUIDE

Watts Regulator Co. has a guide featuring their line of irrigation products including backflow preventers, water pressure regulators, relief valves, ball valves, gate & check valves, strainers, butterfly valves, dielectric unions, and plumbing specialties. Each product description includes features, dimensions, materials, and approvals.

Watt Regulator/800-617-3274

For information, circle 169

## NEW PENDULUM FORMULATION

BASF Professional Turf has a new formulation of its Pendulum herbicide called Pendulum AquaCap. It features a patented micro encapsulation technology to deliver the BASF pendimethalin.

"AquaCap has a higher concentration of active ingredient that reduces packaging, has no odor, significantly less potential for staining, and an improved storage stability under hot and cold conditions," says marketing manager William Stuckland.

BASF Professional Turf  
800-545-9525

For information, circle 160 or  
see [www.oners.ims.ca/2076-160](http://www.oners.ims.ca/2076-160)

## GRUB CONTROL

Best applied as a preventative treatment, MACH 2\* 1.5G turf insecticide from Dow AgroSciences controls grubs and lepidopteran larvae.

MACH 2 (an acronym for molt-accelerating compound halofenozide) can be used on historically troublesome areas and provides residual staying power to ensure reinfestation does not occur.

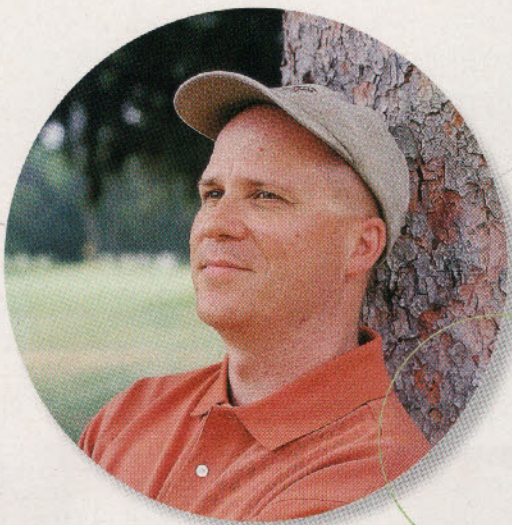
Dow AgroSciences  
800-255-3726

For information, circle 167 or  
see [www.oners.ims.ca/2076-167](http://www.oners.ims.ca/2076-167)



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continuously for up to ten weeks without having to put down additional potassium. So you get better control over your turf nutrition, more even release of nutrients and a lot fewer headaches. New Expo is available in both Par Ex and NX-PRO.

For more information visit [www.lebanonturf.com](http://www.lebanonturf.com), or, for the name of your nearest distributor, call 1-800-233-0628. Make sure the fertilizer you use contains new Expo. It's Expo-nentially better for reducing stress.

**LebanonTurf**

Circle 115 on card or [www.oners.ims.ca/2076-115](http://www.oners.ims.ca/2076-115)





# Prime cut

Rotary, reel, and the quest for a better natural surface

BY JOHN KMITTA, SENIOR EDITOR

**M**aking a major purchase requires a lot of thought, comparison, and questions asked. Selecting a mower is no different. Comparing brands and features is one issue, but a bigger question for the buyer might be reel vs. rotary.

"It's hard to pick reels and rotaries, because the companies out there are great and the products are improving every year," said George Toma, playing field consultant and one of the STMA's founders. "I'm a reel man all the way. I like the reel even for bluegrass, fescue, and ryegrass. I like to have a rotary as well, because sometimes the reel lays the grass down and you need the rotary to pick the grass up."

According to Toma, however, the buying decision often doesn't come down to the user's preferences. Sometimes you have to take the mower that you are given or what

is in the budget, he said.

Kevin Vos, CSFM, athletic facilities manager, City of Muscatine, IA, echoed Toma's views about the impact of a funding. "Our athletic complexes are operated under the City of Muscatine, Parks and Recreation department," said Vos. "Municipal tax dollars fund our operations, so decisions sometimes come down to dollars, not necessarily what's best for the turf."

## Proper use

"The most important thing I try to teach people is that if you don't have time to check the sharpness of the blade, you just don't have time to cut grass," said Toma.

## Advantages and disadvantages

### Reel mower advantages:

- \* Provides the highest quality of cut, wet or dry leaf surface
- \* Can adjust the mower height in very small increments
- \* Mow at lower heights
- \* Striping capabilities to create a variety of mowing patterns
- \* Equipment is lighter weight
- \* Minimal scalping

### Reel mower disadvantages:

- \* Higher maintenance machine
- \* More man-hours needed to mow fields

### Rotary mower advantages:

- \* Fewer man-hours needed to mow fields
- \* Lower maintenance
- \* Larger overall cutting width
- \* Chops up clippings better for recycling

### Rotary mower disadvantages:

- \* Lower quality of cut
- \* Usually cannot mow at low heights
- \* Heavier equipment weight
- \* Not all machines have striping capabilities

- Kevin Vos



"Check the rotary blade and sharpen it all the time. And before you use a reel mower take a piece of newspaper or cashier paper to check the blades to make sure they cut. The most damaging thing to turf is a dull mower, because it will bruise the grass."

According to Toma, when buying a mower for a bermudagrass, don't use a five-bladed, belt-driven reel mower because it chews up the grass. For bermudagrass, use a seven-, nine- or eleven-blade mower. When mowing bluegrass at 1 1/2 inch cut, a seven- or nine-bladed mower is not going to do anything because it's just fanning the grass. Users have to learn which lawnmower to use, said Toma. For Bermuda, get a nine-bladed. For bluegrass, users can go up to a six-blade, but not a nine-blade or eleven-blade.

"Most high schools or colleges, based on budget, have to go with a good rotary mower," said Toma. "But they will do okay if they keep it sharp, and use a bag attachment."

"The majority of the mowing of our athletic fields is done with rotary mowers," said Vos. "A typical, non-tournament week consists of mowing 110 acres of athletic fields and 175 acres overall per week. The reel mower is used for tournaments and during high school/college soccer and softball season. This allows us to mow at a lower height of turf, achieve a higher quality of cut, and create a variety of mowing patterns during the games/tournaments. If I had the hours and equipment available, I would mow all of our athletic fields all season long with reel mowers."

### Looking to the future

According to Toma, no matter what type of mower is purchased, groundskeepers need to maintain high standards.

"One of the best groundskeepers in the game is Alan Sigwardt in Miami. He has baseball, soccer, football, and concerts, and he also has to put up with about 90 inches of rain per year," said Toma. "He told me that if we groundskeepers don't straighten up that we're going to be out of a job, because everyone will go back to synthetics."

Toma said that fields are getting so bad that a lot of colleges and universities are changing to synthetics. For example, \$7 million was spent during the past 3 years on the field at The Meadowlands, and yet players again voted it the worst playing surface in the league.

"We have to work on it and do a better job," said Toma. "If you don't have the right equipment it just won't work. Sometimes we expect too much from natural grass and in return give it too little. The cheapest insurance for an athlete is a good playing field."

ST

## Sometimes you have to take the mower that you are given or what is in the budget.



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## MULTI-USE MACHINE

Wiedenmann, a German manufacturer of deep tine aerification equipment and other turf maintenance equipment since 1964, began manufacturing deep tine machines in 1990 and introduced their Terra Spike line in the United States in 2000. Wiedenmann will introduce the Terra Combi this year. This modular system will allow you to core aerify, spike, slit, overseed, and de-thatch with one machine.

Wiedenmann/866-799-3004

For information, circle 141 or see [www.oners.ims.ca/2076-141](http://www.oners.ims.ca/2076-141)

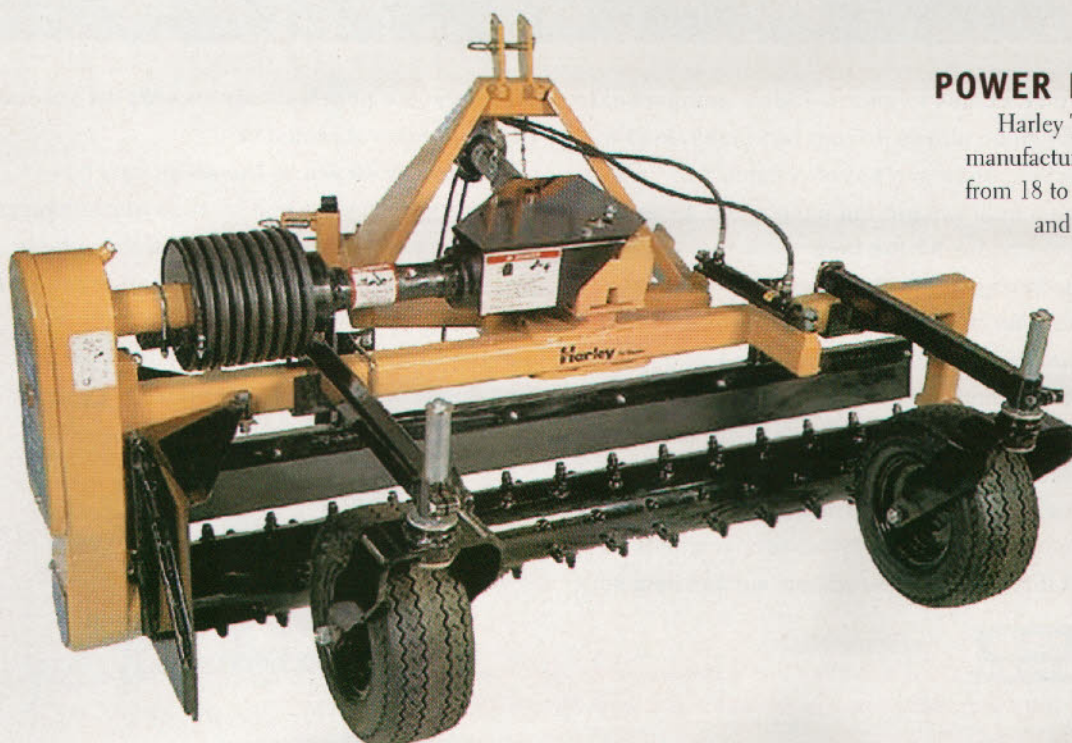


## COMPACT CULTIVATOR

RedMax has CV225 model cultivator that can go where you go. At 20 lbs., the unit features a G24LS 2-cycle engine that drives bolo tines through almost any type of soil, says the company.

RedMax/800-291-8251, x213

For information, circle 147 or see [www.oners.ims.ca/2076-147](http://www.oners.ims.ca/2076-147)



## POWER BOX RAKE

Harley Tractor power box rakes (60, 72, & 80-in. sizes) manufactured by Glenmac can be mounted on tractors from 18 to 75 hp. The units attach with 3-point hook-up and hydraulic coupler. The unit simulates box scraper action by dropping heavy plates at each end of the roller to trap and gather stones and debris for piling and pick up. The bi-angular design permits windrowing to either the right or left, speeding up the process.

Glenmac/800-437-9779

For information, circle 142 or see [www.oners.ims.ca/2076-142](http://www.oners.ims.ca/2076-142)