

FIELD MARKING

Here are some suppliers of baseball/softball field paint and marking products:

Airlessco	805-523-0211
Beacon Ballfields	800-747-5985
Broyhill	800-228-1003, x34
Missouri Turf & Paint	800-426-0774
Newstripe	800-624-6706
Partac/Beam Clay	800-247-2326
PermaLine	866-546-3787
Pioneer Manufacturing	800-877-1500
Pro's Choice	800-648-1166
RE-markable Paint	607-256-8693
Suntec Paint	800-333-1104
Supaturf Products	801-209-6024
Tru Mark Athletic	800-553-6275
Whitlam Paint	800-321-8358
World Class Athletic Surfaces	800-748-9649

DRY LINE MARKER

The Beacon Streamliner 35 dry line marker features a handle that easily collapses to 29 in., a molded plastic hopper with a semi-transparent cover for monitoring material, and a variable chalk-flow control delivering 2 or 4-in. lines.

Beacon Ballfields/800-747-5985
For information, circle 056 or see www.oners.ims.ca/2908-056

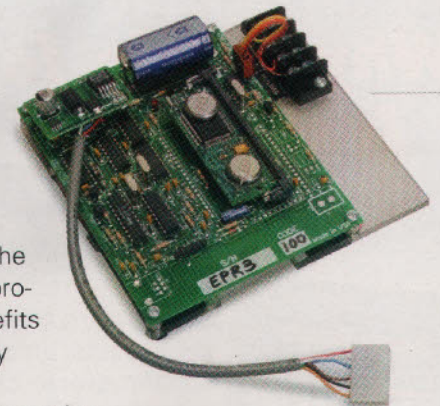


TORO IRRIGATION RETRO-LINK

The new Sentinel Retro-Link upgrade kit for the MC Plus and Dial Series controllers from Toro provides the water conservation features and benefits of a Sentinel Central Control system at a greatly reduced cost.

The Sentinel Retro-Link kit is for system owners who wish to have the benefits of central control without the significant cost of replacing their existing control product. In addition to central capability, the Sentinel Retro-Link kit provides flow sensing, ET gauge or rain sensor capabilities, as well as two-way, handheld or remote functions.

The Toro Company/800-664-4740
For information, circle 072 or see www.oners.ims.ca/2908-072



ROUNDUP READY WEBSITE

The Scotts Company has added a Roundup Ready bentgrass site to www.scottsproseed.com. The addition includes background on the concept of Roundup Ready bentgrass, technical issues surrounding it, answers to frequently asked questions, research results, and approval process information.

The Scotts Co./800-221-1760
For information, circle 075 or see www.oners.ims.ca/2908-075

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"Very good... Highly recommended..."

wrote **Dunham Wright**, Facilities Supervisor, Northeast Louisiana Univ., Monroe, LA

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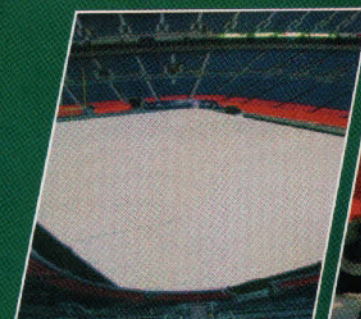
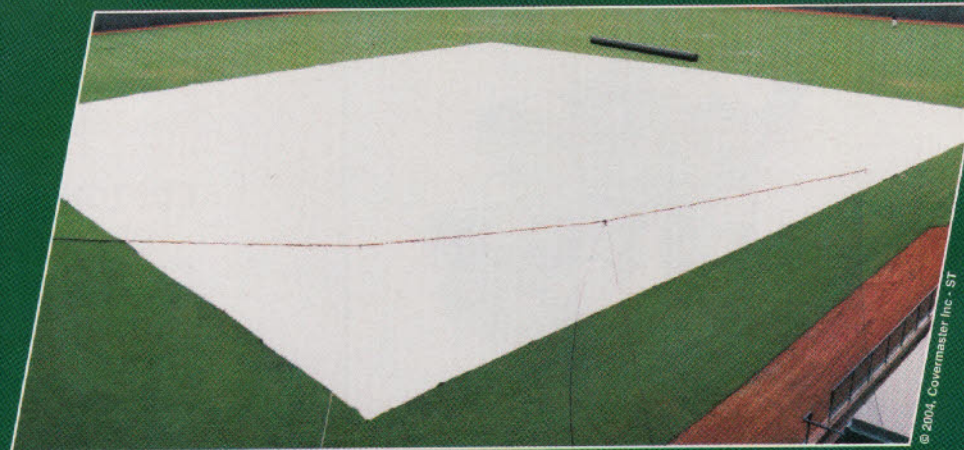
- Superior in strength and UV resistance
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- Light weight - easy to handle
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- Largest choice of weights and colors
- Backed by truly dependable warranties

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Circle 131 on card or www.oners.ims.ca/2908-131

Why Settle for Just A Field Striper?



Airlessco FIELD STRIPE piston powered airless striper/sprayers are capable of spraying undiluted paint at up to 3000psi to put down solid straight

lines on sports fields and spray paint field stencils, backstops, buildings, or cover graffiti. With models starting at \$1795, their flexibility makes them a smarter investment for universities, schools, parks departments, and sports programs.

FIELD STRIPE+ from \$2595⁰⁰



FIELD STRIPE+ couples our proven "LP" series piston powered paint pump, a dependable Honda engine, clutch actuated paint system, and electronic pressure controls. Delivers paint for striping or spraying with a professional airless spray gun at up to 3000psi. LP pump features Airlessco's patented triple-life packing system which results in reduced maintenance, lower operating costs, & longer equipment life. Rated to paint 1700 gallons per year.

FIELD STRIPE PRO from \$4595⁰⁰



FIELD STRIPE PRO has striped stadiums hosting events from Pro Football to Womens World Cup Soccer. With 1.5 gallon per minute spraying at up to 3000psi, it supports two spray guns capable of laying down a 24" wide stripe in one pass. Combine the power to paint or stripe with any coating with our patented micro adjustable front swivel wheel with "Radius Memory", and you can stripe rings around the competition. Rated for 5000 gallons per year of use, it offers perfect balance and easy rolling. It's also the most user adjustable striper available today.



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FMC/800-321-1362
For information, circle 070 or see www.oners.ims.ca/2908-070



WHITE MARKING PAINT

Game Day 8090 Ultimate White Athletic Field Marking Paint is a new product by Suntec Paint that is specifically developed with the needs of the sports turf professional in mind. This paint is very highly pigmented with concentrated amounts of titanium dioxide and optical brighteners to give an extremely brilliant white finish. The pigment loading contains no calcium carbonate, eliminating a limestone buildup on the field and drastically reducing settling after mixing.
Suntec Paint/352-372-3421
For information, circle 054 or see www.oners.ims.ca/2908-054



SOFTBALL INFIELD SURFACE

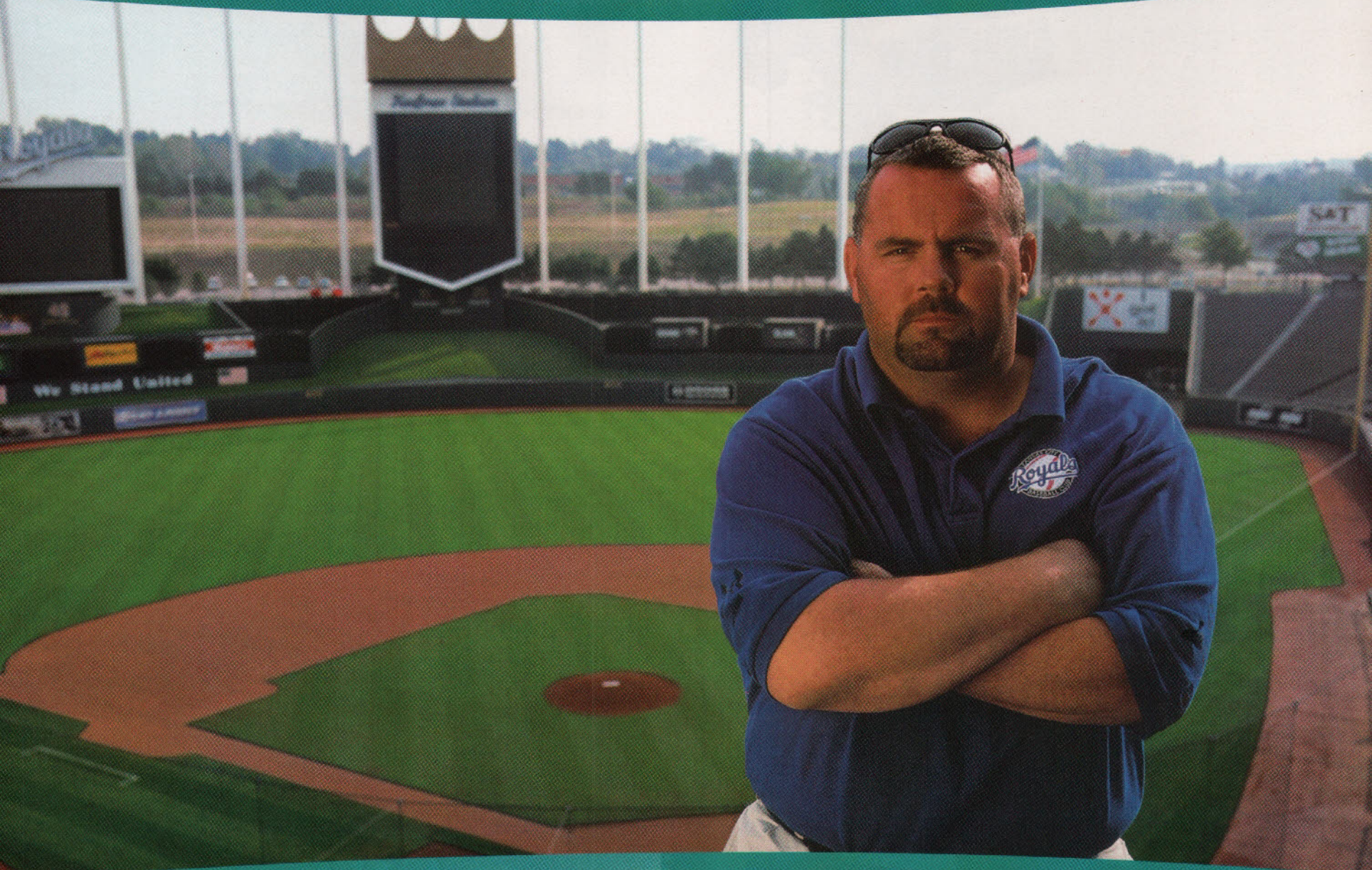
Hilltopper Infield Mix is the waterless premium soil compound that incorporates a combination of long lasting polymers and coatings with natural clay, sand and crushed stone mixes to produce a flexible yet stable all weather surface for today's best performing softball infields.
Stabilizer Solutions/602-225-5900
For information, circle 055 or see www.oners.ims.ca/2908-055

CUSTOM COMMAND

Toro's Custom Command 36- and 48-station controllers now have optional hand-held remote for programming and maintenance convenience. New features mean you can conduct irrigation checks, make changes, and operate the system without opening field satellite enclosures. Remote also acts as a 2-way voice radio.
Toro Irrigation/800-664-4740
For information, circle 059 or see www.oners.ims.ca/2908-059



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– Trevor Vance

Director of Grounds and Landscape
Kauffman Stadium
Home of the Kansas City Royals



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LARGE LINE MARKER

The Fastliner Line marking system by Broyhill is for athletic fields, streets, and parking lots. The Fastliner mounts onto most popular turf utility vehicles and performs at speeds up to 15 mph. A new 25-gal. tank ensures the same consistent paint application via a 12-volt diaphragm pump.

Broyhill/800-228-1003 ext. 34
For information, circle 065 or see www.oners.ims.ca/2908-065



LINES FOR LIFE

No more painting or chalking baseball foul lines! Save money, time, and crooked lines with PermaLine, the patented permanent marking system for natural grass athletic fields. A 5-year warranty covers premature wear/UV with an expected life span of 10-15 years.

PermaLine/866-546-3787
For information, circle 074 or see www.oners.ims.ca/2908-074

PERMANENT MOUNDS, BATTERERS' BOXES

Partac/Beam Clay has available permanent pitchers' mounds and batters' boxes for rec fields. Bury 2 in. below the surface and eliminate holes to give feel of properly packed clay. On-deck circles and fungo pads also available.

Partac/Beam Clay/800-247-2326
For information, circle 060 or see www.oners.ims.ca/2908-060



JAR-TOP VALVE

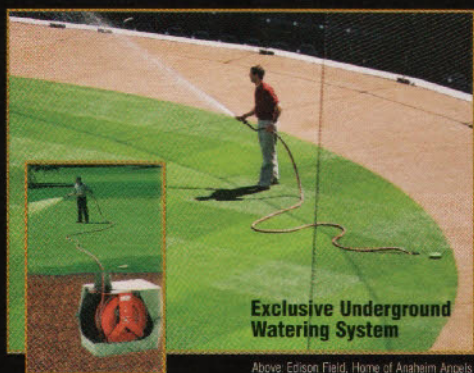
Rain Bird has a new JTV valve, designed to provide easy-to-handle, reliable valves for light commercial applications.

The JTV features a one-piece threaded bonnet design that can be twisted off to easily access and maintain the unit.

Rain Bird/ 626-812-3816
For information, circle 068 or see www.oners.ims.ca/2908-068

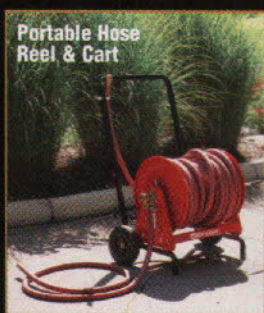


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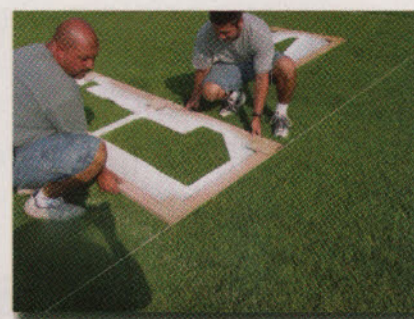
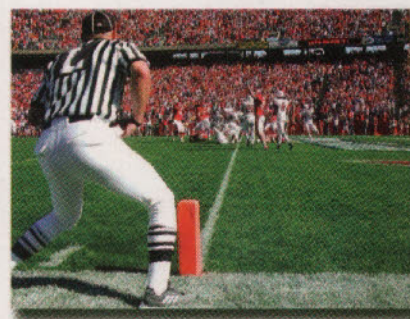
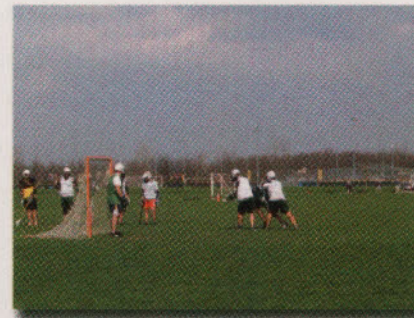
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in & on the ground



MARKING PAINT

Pioneer says its Quik Stripe is the brightest aerosol field marking paint in the industry because it is fortified with Halogen 2000 and OPTIWITE optical brighteners. Product comes in aerosol cans that pop into the Quik Striper machine for clean lines. Won't harm turf. Pioneer Manufacturing/800-877-1500 For information, circle 062 or see www.oners.ims.ca/2908-062

LINE STRIPER & SPRAYER

Tru Mark's Model E-100 lets you line foul lines, home plate, paint a field stencil, and spray fence lines and infields. The integrated spray boom accessory ensures precision application of pest controls, fertilizers, and fungicides. Easy attachment and four quick release spray tips spaced at 16 percent means quick set up, 100 percent coverage, and low wind drift. Tru Mark Athletic Field Marker/800-553-6275 For information, circle 058 or see www.oners.ims.ca/2908-058



PISTON POWER

Airlessco's Field Stripe has "Slow Stoking" piston powered airless spraying that eliminates paint dilution. It's small, compact, and the reversible REV-TIPT makes it easy to use. Multi-use capability can make it easier to get budget approval for purchase. Airlessco/800-856-6786 For information, circle 078 or see www.oners.ims.ca/2908-078



LINE MARKING SYSTEM

Supaturf's Topline line marking system includes lightweight machines and purpose formulated paints that make great lines on both turf and infields and eliminating painting and chalking lines. The TXE/Stadia package allows significant savings over aerosol; the Easymix/Stadia package is self-mixing and self-cleaning. Supaturf/800-838-7622 code 95 For information, circle 064 or see www.oners.ims.ca/2908-064



Circle 137 on card or www.oners.ims.ca/2908-137



STRIPING MACHINE

Newstripe has a new Fielder XL field striping machine that costs less than \$2K. Key features include 4-hp Honda engine with oil alert, 2.7 cu. in. cast iron piston compressor, and adjustable 2-6 in. bi-directional spray head for even coverage in one pass.

Newstripe/800-624-6706

For information, circle 063 or see www.oners.ims.ca/2908-063

BATTING TUNNELS FOR HIRAM BITHORN

BP International (BPI) recently manufactured two specially designed batting tunnels for Puerto Rico's Hiram Bithorn Stadium, current home away from home for the Montreal Expos. The tunnels are 13 x 18 x 90 feet and are fenced in and covered with windscreen to minimize outside distractions.

"Knowing the kind of high quality major league baseball that was going to be played at there," explained Dennis Carrigan, president of Equipex International, Inc., the company responsible for upgrading the field for the 2003 season, "we wanted the facility to be top notch in all particulars. The batting tunnels have a clear cover for daytime use, they are waterproof for use in all weather.

BP International/800-767-2255

For information, circle 069 or see www.oners.ims.ca/2908-069

MAINTAIN MOUND SLOPE

Beacon's Mound Slope Gauge is perfect for a coach or groundskeeper who must build or maintain a mound slope. Made from one-piece heavy-duty aluminum, it includes metal ruler for measuring mound slope drop and bubble level for proper leveling.

Beacon Ballfields/800-747-5985

For information, circle 061 or see www.oners.ims.ca/2908-061



YOUR ULTIMATE SPORTS TURF TOP DRESSER



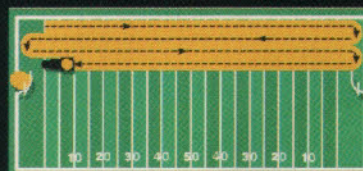
The Mete-R-Matic XL makes top dressing simple and fast

The new Mete-R-Matic XL, specifically designed for sports turf, features the same technologies that

made the Mete-R-Matic III the leading top dresser on turf. The patented Chevron belt allows you to accurately and evenly distribute material, regardless of moisture content. The ground drive system assures that your material will be spread evenly, regardless of vehicle

speed. Plus, the XL features a larger, 2.25 cubic yard hopper so you get the job done fast. For more

information, a demo, or to learn more about top dressing, call 1-800-679-8201.



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The Mete-R-Matic® XL is specifically designed for sports turf application. The greater capacity hopper allows it to make four full passes (up and down) across a football field, so you end up at the loading end—right where you started. This saves wasted time driving across the field to reload, increasing your efficiency.



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TOP 10 COMMERCIAL ENGINE SERVICE POINTS

BY MARK NELSON

1.

to a strict oil change schedule will help maximize the life of the engine. Always use the recommended oil for your engine.

Engine oil. Check with each use, and change oil (and filter, if so equipped) every 25 hours of engine use. The environmental factors and heavy use that commercial engines are subjected to can break down engine oil quickly. Adhering

2. Air cleaner. Air cleaners should be checked and serviced (or replaced, depending on type) every 25 hours. Make sure the filter is re-installed properly so that dirt and debris can not bypass the filter. Commercial engines are constantly faced with dirty, dusty conditions so proper air filter maintenance is critical. A dirty, clogged air filter not only lowers the performance of any engine, it also increases the chances of dirt being sucked into the engine, which is one of the quickest ways to make a new engine old.

3. Cooling fins. The engines on the majority of equipment are air-cooled, meaning that cool air must pass over the fin of the engine to cool the engine. Unfortunately, the same dirty, dusty conditions that make air filter service so critical can also lower the efficiency of the cooling system. This increases engine heat, which lowers performance and accelerates engine oil breakdown, ultimately leading to compromised engine life. Compressed air is the best way to remove debris from the cooling system. Be sure to wear eye protection anytime compressed air is being used.

4. Spark plugs. Inspect and/or replace after 100 hours of use. Spark plugs become less efficient with age, so by replacing them regularly, you help to ensure

quick starts, and maximize fuel economy and performance. As always, make sure you use the correct plug per the manufacturer's specs.



5. Engine speed. Check and reset engine top no load speed at least once per season. This will ensure that the engine is operating safely, and at optimum efficiency. Some applications, such as a reel mower, depend on proper engine speed for a clean cut. Adjust or replace governor parts as necessary to ensure that the engine maintains a consistent operating speed that is consistent with manufacturer guidelines.

6. Fuel/fuel system. Verify that the proper fuel has been used in the engine (accidentally using diesel in a gasoline engine, for example). If the fuel used is questionable, drain and flush the entire fuel system and refuel. Inspect the fuel cap, tank, hoses, clamps, filter, and carburetor visually for leaks after each use. Replace the fuel filter annually.

7. Clean the engine/equipment. Clean dirt and debris from the engine and equipment after each use. This helps you to visually inspect the engine and equipment for any damage that occurred in use, and can help in locating leaks, missing safety warnings, or other issues that may be hidden by debris. Clean equipment promotes increased efficiency by lowering engine/equipment-operating temperatures.

8. Starting system. Inspect the manual starter, including the rope, grip and starter operation. Replace parts as necessary if wear is evident. On electric start engines, check the battery (for charge and/or leaks), battery/cable connections, and interlock switches (for proper operation).

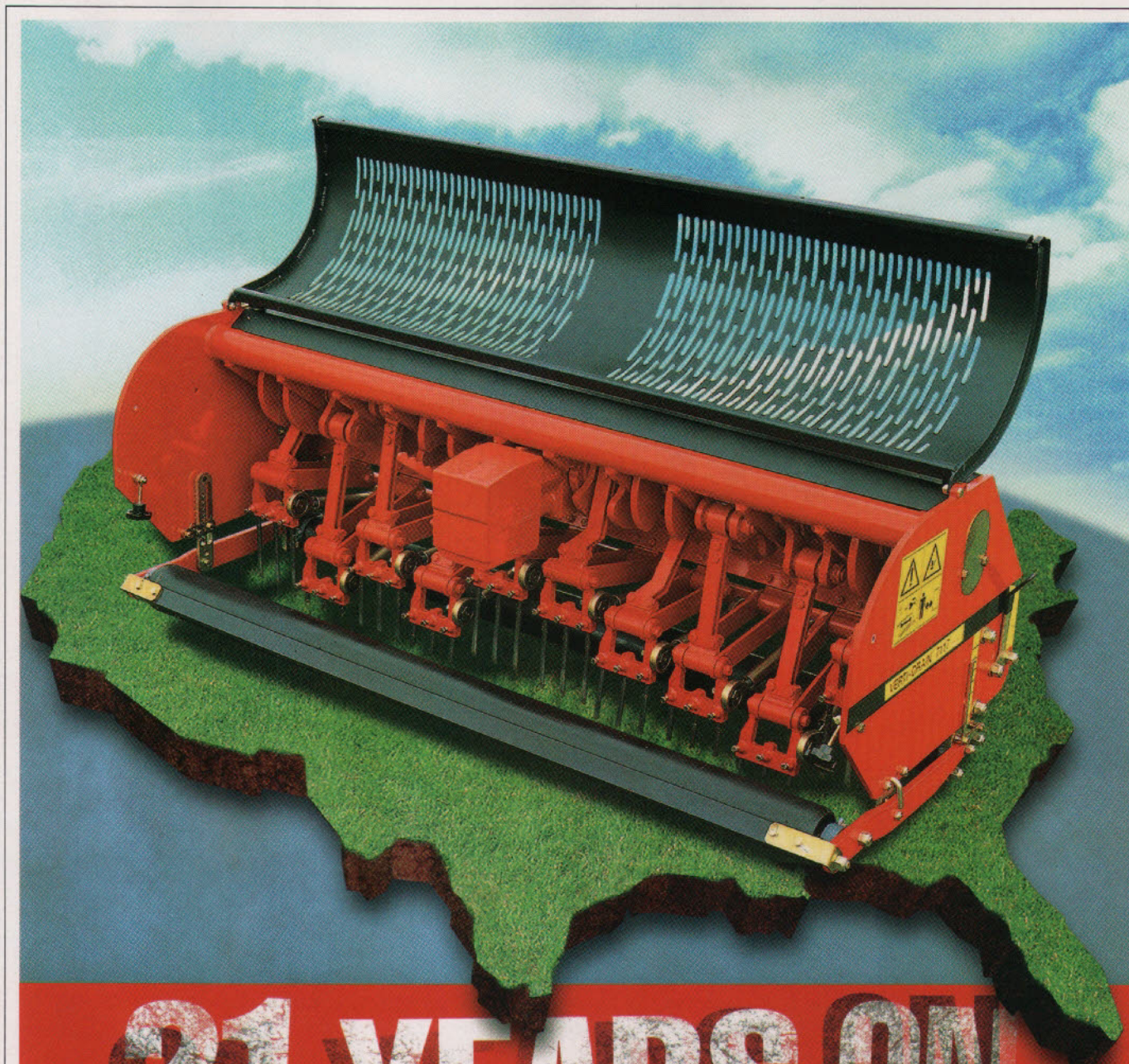
9. Valve adjustments. Check annually, or every 300 hours, whichever comes first. Properly adjusted valves are a critical determinant of engine performance, startability, and fuel efficiency.

10. Exhaust system. Visually inspect the muffler body, deflector and spark arrestor (if equipped) for damage, proper fit and/or leaks. An improperly functioning exhaust system not only lowers engine performance and fuel economy, it can also be a serious safety issue in some situations.

Always use proper safety equipment, including gloves, ear protection, eye protection, hard hat, long pants and heavy shoes or work boots. Also ensure that all safety

guards and mechanisms are in-place on each engine or piece of equipment. **ST**

Mark Nelson is a Technical Service Representative for Briggs & Stratton Commercial Power, www.commercialpower.com.



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DE-COMPACTOR

The Smarturf De-compactor uses 8-in. solid steel spikes patterned on a hollow steel drum to eliminate compaction on sports fields. Weighing more than 1500 lbs. (2500 filled with water), the unit improves drainage and root growth.

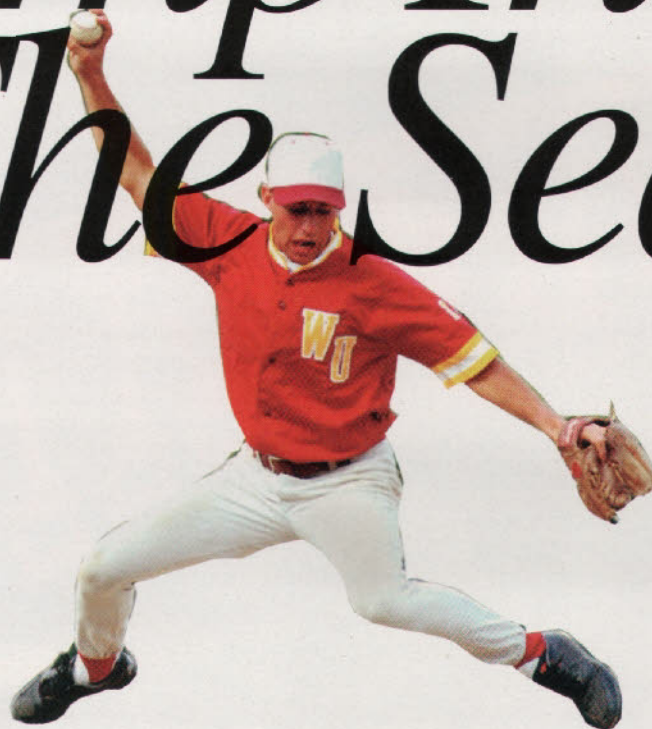
Smarturf/602-697-1149
For information, circle 088 or see www.oners.ims.ca/2908-088

INFIELD GROOMERS

Some manufacturers of infield grooming products:

AerWay	519-863-3414
Bannerman	800-665-2696
Beacon Ballfields	800-747-5985
Broyhill	800-228-1003, x34
Earth & Turf	888-693-2638
Fieldmaster	913-492-7303
GreenOne Industries	866-567-6872
GreensGroomer	888-298-8852
Jacobsen	888-922-8873
John Deere	800-537-8233
Kromer Company	952-472-4167
Midwest Rake	800-815-7253
Partac/Beam Clay	800-247-2326
Pioneer Manufacturing	800-877-1500
Reist Industries	877-467-3478
Sekely Industries	330-337-3439
SISIS	864-843-5972
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SISIS/864-843-5972
For information, circle 087 or see www.oners.ims.ca/2908-087