STRIPER/SPRAYER

Airlessco is now shipping its FIELD STRIPE Striper/Airless Paint Sprayer with a choice of Briggs & Stratton or Honda fourstroke engines. Both feature a "Slow Stroking" piston pump paint delivery system. Units meet multiple painting requirements and are priced to be attractive to youth sports leagues as well as high school and collegiate athletic programs. Airlessco by Durotech Co./800-856-6786 For information, circle 088 or see http://www.oners.ims.ca/2913-088



FOOTBALL SIDELINE COVERS



cover will save your sideline turf whether it's natural or artifi-cial. Its polypropylene fiber allows for passage of air and water. Five stock sizes are available from made. Names and logos can be imprinted. CoverSports USA/800-445-6680 For information, circle 089 or see http://www.oners.ims.ca/2913-089

1-STEP **IRRIGATION CEMENT**

'Pro-Green" One Step Irrigation Cement is a fast set, low V.O.C., medium bodied solvent weld cement specifically formulated for wet or dry pipe and requires no primer before assembly of pipe and fittings. Product is good for 'pulling" PVC pipe to allow for immediate pressure testing of the system. J.C. Whitlam Manufacturing/800-321-8358 For information, circle 094 or see http://www.oners.ims.ca/2913-094





PAINT MIXING SYSTEM

Pioneer's new Paint Mixing System ensures proper mixing of field marking paint and cuts prep time. The 55-gal. tank sits on top of a steel stand for dispensing into 5-gal. paint buckets. The system contains a 1/3-hp mixing motor and fiberglass tank. Pioneer Manufacturing/800-877-1500

For information, circle 090 or see http://www.oners.ims.ca/2913-090

You're Always Ahead of the Game with a COVERMASTER® Raincover...

"Excellent Quality..., Competitive Prices..."

wrote Johnson Bowie, Associate AD, Drexel University, Philadelphia, PA

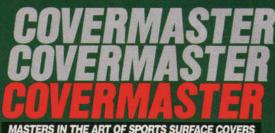
Johnson's comments confirm what we hear from the many groundskeepers who use a COVERMASTER® raincover to keep their fields dry and ready for play. Call us and we'll gladly tell you more.

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 Widest materials for least number of seams
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TARP MACHINE VIDEO! Call, fax or e-mail for a free video,

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Circle 158 on card or www.oners.ims.ca/2913-158

CALL TOLL FREE

1-800-387-5808

RIDING MOWERS

Here's a list of manufacturers that provide riding mower options to the turf industry:

Ariens/Gravely (WI)	(800) 678-5443
Bad Boy (AR)	(870) 349-2967
Country Clipper (IA)	(800) 344-8237
Cub Cadet Commercial (OH)	(877) 835-7841
DewEze Mfg. (KS)	(800) 835-1042
Dixie Chopper (IN)	(800) 233-7596
Dixon Industries (KS)	(877) 288-6673
Encore Mfg. NE)	(800) 267-4255
Excel Industries (KS)	(800) 395-4757
Ferris (NY)	(800) 933-6175
Grasshopper Co. (KS)	(620) 345-8621
Great Dane (IN)	(877) 246-8770
Heckendorn Equipment (KS)	(800) 835-7805
Honda Power Equipment (GA)	(800) 426-7701
Howard Price Turf Equip. (MO)	(314) 532-7000
Husqvarna (NC)	(800) 487-5969
Ingersoll Equipment (WI)	(920) 582-5000
Jacobsen (NC)	(888) 922-8873

3	John Deere (NC)	(800) 537-8233
1	Kubota Tractor (CA)	(888) 458-2682
	Kut-Kwick Corp. (GA)	(800) 248-5945
	Land Pride/Great Plains (KS)	(888) 987-7433
2	Lesco (OH)	(800) 321-5325
5	Locke Turf (AL)	(800) 537-3713
3	Maxim Mfg. (MS)	(800) 621-2789
5	National Mower (MN)	(651) 646-4079
	New Holland (IL)	(630) 260-4000
5	Power Trac (VA)	(800) 843-9273
	Rich Manufacturing (IN)	(765) 436-2744
)	Simplicity Mfg. (WI)	(262) 284-8615
5	Swisher Mower (MO)	(800) 222-8183
	Terracare Products (WI)	(608) 429-3402
)	Toro Co. (MN)	(800) 348-2424
)	Walker Mfg. (CO)	(800) 279-8537
)	Woods Equipment (IL)	(866) 869-6637
}	Yazoo/Kees (ME)	(877) 368-8873



SCAG SABRE

Scag Sabre Tooth Tiger is a zero-turn rider with low center-of-gravity and wide, balanced wheelbase. Mowers hit 10.5 mph ground speeds with the 31hp Briggs Vanguard liquid-cooled turbodiesel engine. Driveshaft and 90-degree gearbox deliver no-slip power to the cutter deck, while also providing the widest range of cutting heights from 1-6 in. in 1/4-in. increments. Scag Power Equipment/920-387-0100 For information, circle 075 or see http://www.oners.ims.ca/2913-075



32-HP ZERO TURN MOWER

The Dixie Chopper riding mower Model XT3200 has a Generac 32-hp OHV engine and stable zero turn in 60 and 72-in. models. Mow an average of eight acres an hour, says Dixie Chopper. Backed by a lifetime warranty on its all-welded tube frame and front caster bearings. Dixie Chopper/785-CHOPPER For information, circle 076 or see http://www.oners.ims.ca/2913-076

NEW LAZER Z XS

Exmark has expanded its Lazer Z line of mid-mount zeroturn commercial mowers with the Z XS. Powered by the new Vanguard 31-hp "Big Block" V-twin engine, the unit uses heavy-duty frame and drive system components to harness the new engine's increased power and torque. When paired with Exmark's UltraCut deck design, available in 60- or 72-in. widths, the Lazer Z XS can cut up to seven acres per hour. A two-post, foldable Roll-Over Protection System (ROPS) is standard. Exmark Mfg. Co., Inc/402-223-6300 For information, circle 078 or see http://www.oners.ims.ca/2913-078

ANTER?

REGENERATE TURF

brush combination, as well as ove Wiedenmann USA/912-790-3004 For information, circle 073 or see http://www.oners.ims.ca/2913-073

NEW

TINE-RAKE DETHATCHERS

Now available: Front-mounted 48- and 60-in. Tine-Rake dethatchers for Grasshopper True ZeroTurn FrontMount power units. Spring steel, double-looped tines remove thatch and surface aerate soil. Vacuum debris at the same time using a PowerVac collection system. Permanentmounting brackets installed in minutes for easy attachment/removal.

The Grasshopper Co./620-345-8621 For information, circle 071 or

see http://www.oners.ims.ca/2913-071



STRIPING AND PRODUCTIVITY

The Toro Groundsmaster 4700-D is a 60-hp turbo-charged mower with seven free-floating, rotary cutting decks. This mower produces a 12.5-ft-wide swath, and with heavy-duty rollers behind each deck, it creates a distinctive aftercut striping. Toro/800-803-8676 For information, circle 079 or



SELF-PROPELLED **BED EDGER**

Turf Teg, LLC has introduced the Sidewinder, a self-propelled bed edger with multi-use capability. This one machine can perform bed opening, bed grooming and mini-trenching. Simply change the blade and guard for each application. A broom attachment also available. Turf Teq, LLC/866-503-8873 For information, circle 068 or see http://www.oners.ims.ca/2913-068



Circle 159 on card or www.oners.ims.ca/2913-159

see http://www.oners.ims.ca/2913-079



TORO SPRAY SYSTEM

Toro introduces the new Multi Pro 5700-D, the spray system with a 35.5 horsepower Kubota diesel engine. Featuring a 300-gal. tank and dual diaphragm pump, the system delivers a constant and precise rate of application, regardless of speed.

Toro/800-348-2424 For information, circle 064 or see http://www.oners.ims.ca/2913-064



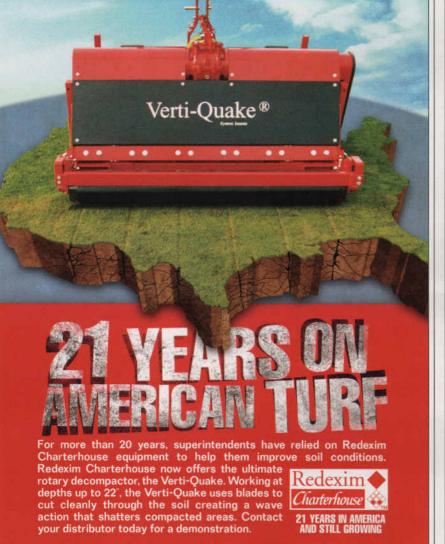


Redexim Charterhouse now offers two types of rebuild kits for their current line of Verti-Drain deep-tine aeration units as well as for most older units. The Minor Overhaul Kit includes instructions and parts to rebuild the drawrods and tine heads. The Major Overhaul Kit includes those plus parts to rebuild the

crank and bearing supports. Redexim Charterhouse Inc/800-597-5664 For information, circle 072 or see http://www.oners.ims.ca/2913-072

HUSTLER MINI

Hustler Turf Equipment introduces the Mini Fastrak. Features include 15/36 or 17/42 Kohler Courage, and 16/42 Honda V-twin models, welded frame and deck, and hydrostatic transmission for true zero-degree-turning radius. Thirty-six or 42-in. side-discharge/mulching decks. Hustler Turf Equipment/800-395-4757 For information, circle 065 or see http://www.oners.ims.ca/2913-065



1-800-597-5664 · Fax: 570-602-3060 · www.redexim.com

Circle 160 on card or www.oners.ims.ca/2913-160



Because their definition of "playable" will never be the same as yours.

Most sport facilities are often faced with very short periods of time between sport seasons to get their fields "playable".

DuPont[™] Turf Blankets[™] will enhance germination and root growth, allowing for earlier usage and greater survival through seasons.

For more information call: 1-800-289-2448

DuPont™ Turf Blanket™ with Xavan®

> QUPOND The miracles of science.

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welcome to the future of green replication



LaserLeveling

When it comes to green replication, not much has changed over the past several years...until now.

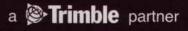
Introducing the entirely new GradeMaster 3D Grading System. This box scraper automatically restores greens and other contoured areas to their original state, allowing you to maintain and refinish with unparalleled accuracy and efficiency.

Using Trimble machine control technology, the GradeMaster 3D allows contractors to topo the existing surface and recreate the original design once work is completed.

The GradeMaster 3D offers a comprehensive, automated process to return greens to their original design specs.

If you would like to learn more about this revolutionary grading system, click on www.laserleveling.com for more information.

800.622.5777 www.laserleveling.com





MOW AND PAINT LINES

Tru Mark's RS-500M Rider mows and paints your sports field lines. The versatile unit is a self-propelled riding field marker with an integrated 33-in. HiVAC mower deck with five easy height adjustments. The paint shoe assembly is mounted for added visibility, improved line coverage with a two opposing adjustable nozzle bracket, and a "floating" variable width shoe for added line accuracy. Tru Mark Athletic Field Marker/800-553-MARK For information, circle 069 or

see http://www.oners.ims.ca/2913-069

Top-Quality Bermudagrass. Excellent Cold-Tolerance.

BUY DIRECT Better Outdoor Products has the Quick 36, the first in a series of commercial-grade walkbehind mowers. The Quick 36

is light and easy for beginners to operate, yet it's tough enough for daily use by professionals, says the company. For \$3-4K, these units are available directly through Internet sales and other direct

marketing. Better Outdoor Products 866-290-7295

For information, circle 082 or see http://www.oners.ims.ca/2913-082



BOBCAT DONATES EQUIPMENT

Bobcat Company is supporting "a child's right to play" by donating use of equipment to KaBOOM!, a non-profit organization that helps build playgrounds throughout the US.

"We saw this as an incredible opportunity to get involved on a local level with a worthwhile cause," said Gary Hornbacher, North American marketing manager for Bobcat. "We rely on our dealer network to donate and deliver the equipment, and we couldn't be more proud of our dealers for being so enthusiastic and generous with their time and resources."

KaBOOM! has built more than 600 community playgrounds and raised over \$20 million since its start in 1995. Any individual or community who wants to build a playground can apply for assistance by visiting www.kaboom.org and answering 10 questions in the playground planner section.

For Detailed Information and a List of Licensed Growers Visit:



TIFIED BERMUDAGE Ideal for Soccer: Ideal for Soccer: Ideal for Soccer: Softball, Baseba Softball and Softball and Softball and Softball Stripes of All Stripes

NEW TRAILER



TerraMarc Industries' LL214 "Load-N-Lift" trailers are perfect for skid-steers among other low-clearance, compact and mobile equipment, offering the ulti-

mate in safety and ease. With trailers that completely lower to the ground, no ramps are needed. The option of electric hydraulic or manual hand pump lifting devices makes loading and unloading a one-person job. Holds up to 10,800 lbs. TerraMarc Industries/888-445-4615

For information, circle 080 or

see http://www.oners.ims.ca/2913-080

NERY

Tire Lyna is a tire anti-defla-

prevent or fix average size punctures; maintain its proper-ties despite time, pressure and heat; good for rubber; no effect

tally safe. Lyna Manufacturing 604-990-0988 For information, circle 085 or see http://www.oners.ims.ca/2913-085



PROWLER RIDING MOWER

Highlights of the Prowler Mid Cut are Encore's side-to-side articulating floating deck, no slip disc brakes, full suspension seat, and maintenance-free blade spindles. This deck suspension allows both front wheels to maintain ground contact over uneven terrain. A PTO shaft powers the blades and reinforcement channels on the deck helps controls vibration. Encore Power Equipment/800-267-4255 For information, circle 077 or see http://www.oners.ims.ca/2913-077



 Most Salt Tolerant Turfgrass
 Darker Green Color Than Bermudagrass • Tolerates Gray Water, Effluent and Many Medium-to-Poor Quality Water Sources • Low Fertilization Requirements • Handles Wide Range of Soil pH Levels: 4.0-9.8 • Minimal Pesticide Requirements • High Tolerance to Salt Spray, Water Logging and Periodic Inundations . Good Rooting in Sandy, Clay or Muck-Type Soils

Can Be Overseeded with Bentgrass-Ryegrass- Alkaligrass Blends
 Root Growth & Functionality Still Maintained in 40-55°F Soil Temperature Range

• Excellent Low Light Intensity Tolerance

Providing Excellent Footing & Soft Landings for Professionals, Amateurs and Beginners



www.seaisle1.com

Circle 162 on card or www.oners.ims.ca/2913-162



NEW UTV UNIVERSAL MOUNTING SYSTEM

Swisher's UTV Universal Mounting System, like the ATV system, is designed to allow the user to quickly change between various Swisher accessories. For a complete system the user must have a 2x2 front receiver on their UTV, a Universal Receiver Mount Kit, and one or all of the various Swisher accessories. The Universal Mount System and accessories are available separately. Swisher/800-222-8183 For information, circle 081 or

see http://www.oners.ims.ca/2913-081



PROFESSIONAL UTILITY MOWER

John Deere's turf utility mower, the 2653A, features wide, low profile turf tires and hydraulically driven reels on self-propelled, three-gang cutting units. The standard configuration includes an 18-hp, liquid-cooled diesel engine; Micro-Lap backlapping; 3WD; power steering; and hydraulic weight transfer. The 18-hp, 3-cylinder, liquid-cooled diesel John Deere Series 220 engine is designed to reduce internal noise and provide the high torque necessary for heavy loading conditions.

John Deere/800-537-8233 For information, circle 070 or see http://www.oners.ims.ca/2913-070

CLUB CAR UTILITY VEHICLE

Club Car has introduced the Carryall 294 4x4 utility vehicle, which uses an exclusive IntelliTrak system to deliver fully automatic, on-demand 4x4. The system continually senses driving conditions and automatically engages and disengages 4-wheel drive without requiring the driver to stop and shift

gears or lock differentials. The vehicle is available with a 20-hp, Honda gas- or a 20hp, 719 cc Kubota diesel-powered engine. Club Car/800-800-1227 For information, circle 074 or

see http://www.oners.ims.ca/2913-074

REMOVABLE PAINT SYSTEM FOR SYNTHETIC FIELDS





10:00 a.m. Pre-wet Temp-Line section and apply Temp-Line Eraser.

28



10:05 a.m. Agitate with deck brush and rinse with low pressure water.



10:07 a.m. Pick up residue (recommended to reduce build-up in infill, but rinsing is okay).

9

12

10:10 a.m. Section of Temp-Line completely removed.

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With Temp-Line on your team you can... Add lines and logos to your field for an event or a season!

- Football
- Special Events
- Lacrosse
- Soccer
- Sponsor Logos

We can even cover your sewn in lines with Temp-Line SLC (Sewn Line Converter)



For information about Temp-Line, contact Eco Chemical, Inc. at 1-800-677-7930 or go to www.EcoChemical.com



DEERE'S NEW COMPACT UTILITY TRACTORS AVAILABLE

John Deere's introduced their 4000 Twenty Series compact utility tractors, the first to feature a Deere 2.4L turbo-charged engine and eHydro electronically controlled transmission option. All eHydro models have electronic engagement of PTO, cruise control, and the exclusive LoadMatch feature, which automatically adjusts the transmission to put the power where it is needed and prevent stalls.

One piece hood tilts up to access battery and engine compartments. All models have tilt steering, high-back seats, color-coded controls, folding ROPS structure, and operator presence systems.

Also available for every model is the Deere iMatch quick-coupler hitch system. This implement attachment system converts a typical 3-point hitch system to fixed hooks with attaching points, allowing you to back the tractor up, raise the 3-point hitch, and slide on the PTO shaft.

Implements include: loaders (with own park stand), backhoes, front and rear blades, cultivators, mowers, rotary cutters, posthole diggers, rotary brooms, snow blowers, and rear tillers. Deere says the Twenty Series has a 3-year powertrain warranty, available John Deere Credit financing, and the optional John Deere Maintenance Plan Plus. John Deere/800-537-8233 For information, circle 098 or see http://www.oners.ims.ca/2913-098

RECHARGABLE ELECTRIC BACKPACK SPRAYER

SHURflo introduces the ProPack SRS-540 rechargeable backpack sprayer. Powered by a 12-volt rechargeable battery, the ProPack eliminates the need for manually pumping and boasts enough power to spray up to 120 gal. on a single charge. The battery pack can be charged in place or removed for remote charging. SHURflo/800 854-3218 For information, circle 084 or see http://www.oners.ims.ca/2913-084



THE NEW AERA-VATOR (FT) FINE TINE USES THE SAME PATENTED VIBRATING ACTION AS THE TIME PROVEN AERA-VATOR WITH MINIMAL SURFACE DISRUPTION. THE FINE TINE USES A SMALLER TINE TO MINIMIZE DAMAGE TO THE PLAYING SURFACE.

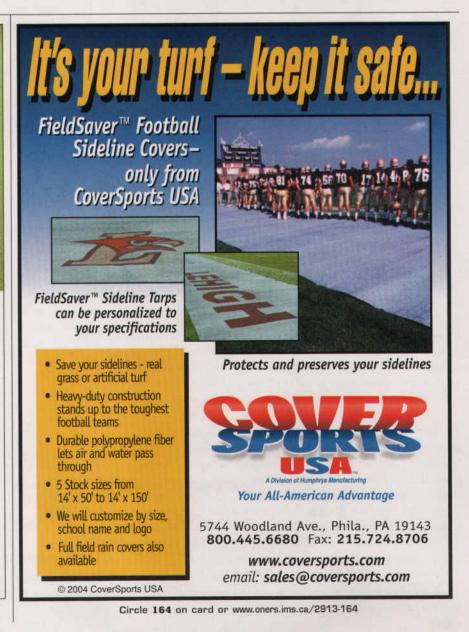
THE VIBRATING TINES PROVIDES GREATER PENETRATION IN HARD COMPACTED SOIL AND THE OPENING IS MAXIMIZED ALLOWING BETTER SEED TO SOIL CONTACT.

THE AERA-VATOR FT IS USED TO OVER-SEED, PRIMARY SEED, INCORPORATE TOP DRESSING, AND TREAT LOCALIZED DRY SPOTS.

PLAY CAN RESUME IMMEDIATELY.

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Circle 163 on card or www.oners.ims.ca/2913-163



Managing low-budget soccer facilities

BY KEVIN I. MEREDITH

hat headline an oxymoron you say? How in the world can someone even think that working with a low budget is beneficial? The answer is in the eyes of the beholder; it's a matter of perception. Focusing on the benefits of managing a low budget facility can help you overcome the job's shortcomings.

Keep in mind that first and foremost, the goal (no pun intended) of a soccer field maintenance program is the safety of the players and fans. If you think about it, the low-budget facility has the huge advantage in fan seating; more than likely there is none!

Experienced soccer parents and fans know this and carry chairs and blankets with them. I can think of three advantages of having little or no seating: Maintenance is reduced with one less area to trim and clean; without permanent seating there is one less object for a player to injure him or herself on; and, a spectator cannot slip or fall off bleachers that are not there.

Wow! What an advantage it is to be small budget.

Here is another benefit of managing a low budget facility[DASH HERE]any improvements you make are more likely to be noticed and praised. It is a lot easier to continue to improve a lower budget facility where the changes are more noticeable. Larger facilities expect and demand high quality conditions. The bar is set much higher and any improvements are harder to notice.

It is also a winning situation if the weather cooperates and your turf remains green and lush for a month longer than normal. The same conditions on high-end fields wouldn't make much difference at the end of the month. The rain in this case makes you a hero and little difference in the other. This is what is meant by, "a matter of perspective."

Low budget does not mean that low spots and divots on the field are not filled. It does not mean that goals are not secured and goal areas dressed on a regular basis. What it means is that people exhibit an entirely different expectation level when comparing low and high budget fields.

Take irrigation for example: On fields with irrigation systems the expectation is for thick lush well-groomed turf. No one looks at the maintenance and time invested in operating that system. They don't look at the liability of the heads in the ground or the initial cost of the system. If you do not have irrigation none of issues are of any concern. What is a huge plus it is to be a low-budget manager.

Another area that can be seen as a benefit is the type of mowing equipment and the frequency of mowing. With just one small (25-35 hp) tractor, and a 6-foot rear mounted finish mower you can do all the fields and perimeter areas. With the same tractor you can aerate, drag a mat to break down the cores, use a hopper spreader for fertilizing and if need be, mount a 3-point hitch sprayer for pesticide applications.

If you are really lucky you will have a loader for the front to help with repairs on the field. It is considerably less expensive, and less complicated, to have one major piece of equipment rather than deal with multiple units. Speaking of mowing, on a high profile field where the expectations are almost unrealistic the turf is mowed three times a week. Low budget might be happy with four times a month. High budget fertilization is once a month, low budget might be twice a year.

When it comes to field markings the low budget facility wins hands down. Short of permanent lines it is possible to have long lasting lines by using solvent



based paints rather than water based. The solvents kill the grass plants that they are applied to. Water based paints adhere to the leaf surface and grow out with the leaf. When mowed the portion of the leaf with the paint is mowed off and repainting becomes necessary. Think about having to paint the fields once a month rather than once a week. That is not being lazy it is being efficient. It does not compromise safety and saves a heck of a lot of time.

The adage "time is money" certainly applies to managing a low budget facility. Without a lot of money available creative ways to save time are invaluable. One way to enhance your manpower situation is to enlist some volunteers. There are many parents that would be more than happy to help raise the quality of the turf that their children play on. It is up to you to share your passion with them. Passion is infectious.

Another great way to aid your cause is to ask for donations if people cannot give their time. It is amazing how willing people are to give to a cause that they think is noble and just. The most important part of the volunteer and donation system is the thanks received during and at the end of a project. A few pizzas and some soda go a long way in fostering good will and repeat help. If no one else in your organization rewards them make it your job to do it. A couple of dollars out of your pocket will save you hours of time.

Educate yourself and anyone else that will listen about growing and maintaining healthy turf. Join STMA or your state turf grass organization. Go out and meet others that take care of turf for a living. Network like crazy.

Finally, remember Passion, Pride and Perseverance. Passion is the energy source to accomplish your dreams. Pride is the reward felt for accomplishing your dreams. Perseverance is the tether that holds your dreams. All three P's work together to help you accomplish your goals.

Kevin Meredith is owner and turf manager at the National Soccer Hall of Fame in Oneonta, NY.