

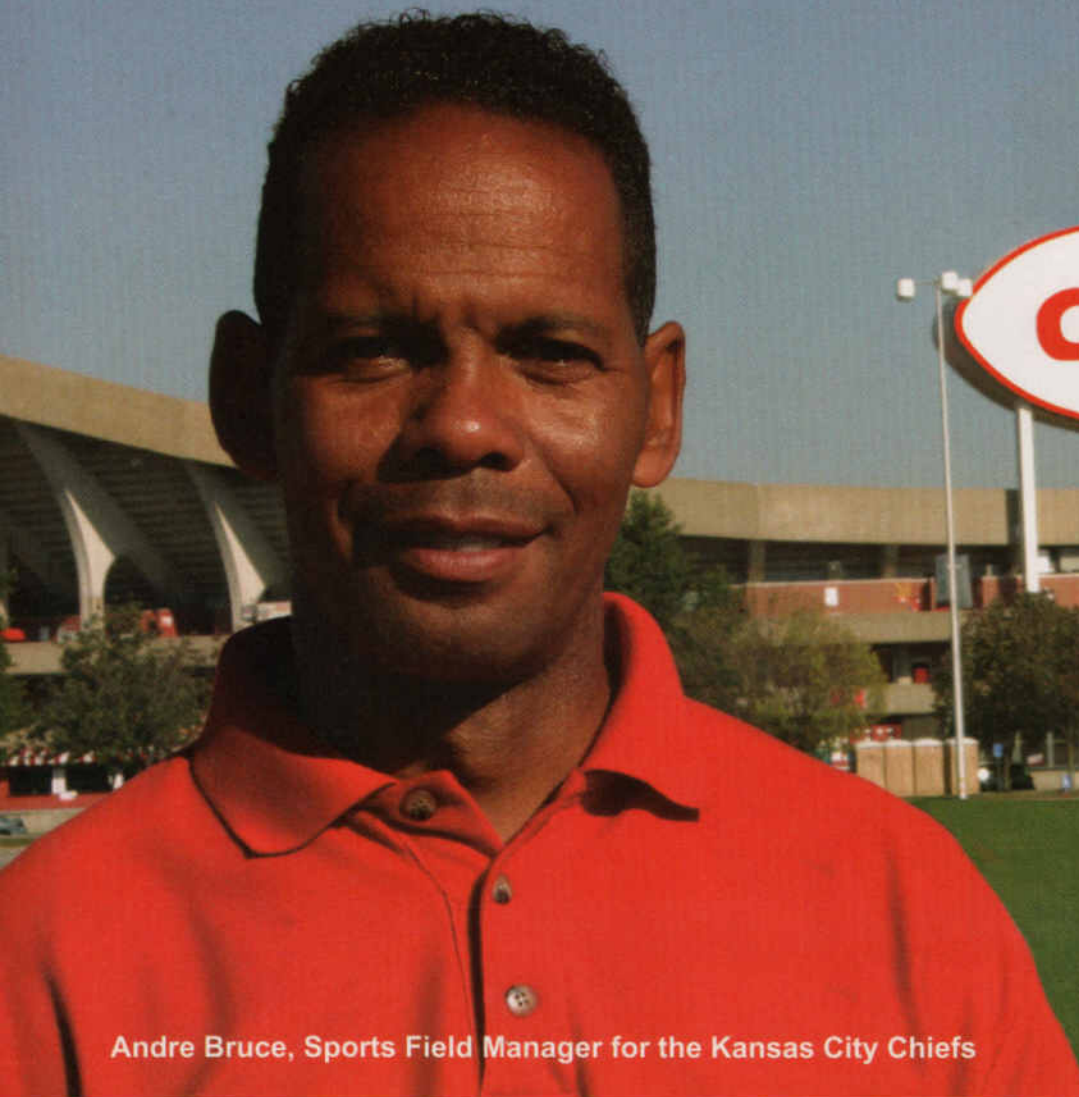
Arcadia

Kentucky Bluegrass

Superior Performance Underfoot

Getting turf to look good is the easy part. Getting that same turf to stand up to constant traffic, use and abuse is something else.

Arcadia, with high Dollar Spot resistance, is the perfect fit for sports fields, golf courses and landscaped lawns. It can really take the heat when sun and drought are turning other turfs brown with envy.



Andre Bruce, Sports Field Manager for the Kansas City Chiefs



With color ratings equal to the Midnight types and distinctive performance characteristics, **Arcadia Kentucky Bluegrass** gives you beautiful turf that's built for top-notch performance today, tomorrow and well beyond. But don't take our word for it, read what Andre Bruce, Sports Field Manager for the Kansas City Chiefs, has to say...

"Chiefs' practice fields in Wisconsin are aerified and seeded with SRO's Arcadia bluegrass and SR 2284 bluegrass varieties in May to be ready for play in late July. These bluegrasses have outstanding color and are so green they look almost blue! They're just beautiful. Plus their durability is great and they hold up under high traffic.

Seed Research of Oregon not only produces quality products but they're also great to work with. When I need seed, they get it to me in a hurry. Good Seed, Good Service!"

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“TURF FOOD”

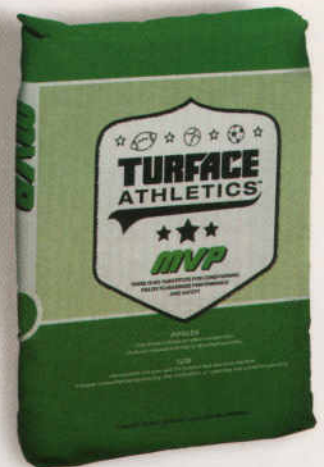
ROOTS turf food, a natural, organic-based fertilizer from Novozymes Biologicals, provides complete nutrition for turf grass plus organic material to increase microbial activity in soil or sand. Derived from plant and animal meals, ROOTS is fortified with both slow-release and quick-release soluble nitrogen. The high solubility reduces roller and mower pickup and prevents floating of fertilizer particles while its low soluble salts minimize burn potential.

ROOTS/800-342-6173
For information, circle 074 or
see <http://www.oners.ims.ca/4569-074>

TURFACE MVP

Turface MVP helps fields stand up to wear and tear to provide solid, safe footing throughout the season. NFL groundskeepers say it is ideal for native soil fields because it absorbs excess water to prevent muddy, torn-up turf; conditions the soil to resist compaction in wet and dry weather; and adds permanent water and air-holding space to prevent turf damage and aid in turf recovery.

PROFILE Products LLC/800-207-6457
For information, circle 072 or
see <http://www.oners.ims.ca/4569-072>



SUPER BOWL SOD

Following last year's Super Bowl turf installation in Reliant Stadium, West Coast Turf will provide sod for a record 7th Super Bowl in Jacksonville's Alltel Stadium.

West Coast Turf/800-447-1840
For information, circle 071 or
see <http://www.oners.ims.ca/4569-071>

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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.



LaserLeveling

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a  **Trimble** partner

(continued from page 16) shorter grass and results in appropriate ball movement for field hockey without sacrificing playability for the other sports programs that share the field.

Case study

The recent renovation of Granger Field at Clark University in Worcester, MA, is an excellent example of converting to synthetic turf with field hockey in mind. Clark's

natural grass field hockey field proved difficult to maintain due to poor soils and overuse by all of the schools intercollegiate and intramural athletic programs. To maximize the use of the facility and their investment, school officials decided to convert the field surface to synthetic turf. Because the field would also serve as the primary baseball field and secondary soccer practice and game field, Clark's athletic director Linda Moulton selected infilled synthetic turf instead of traditional knitted nylon.

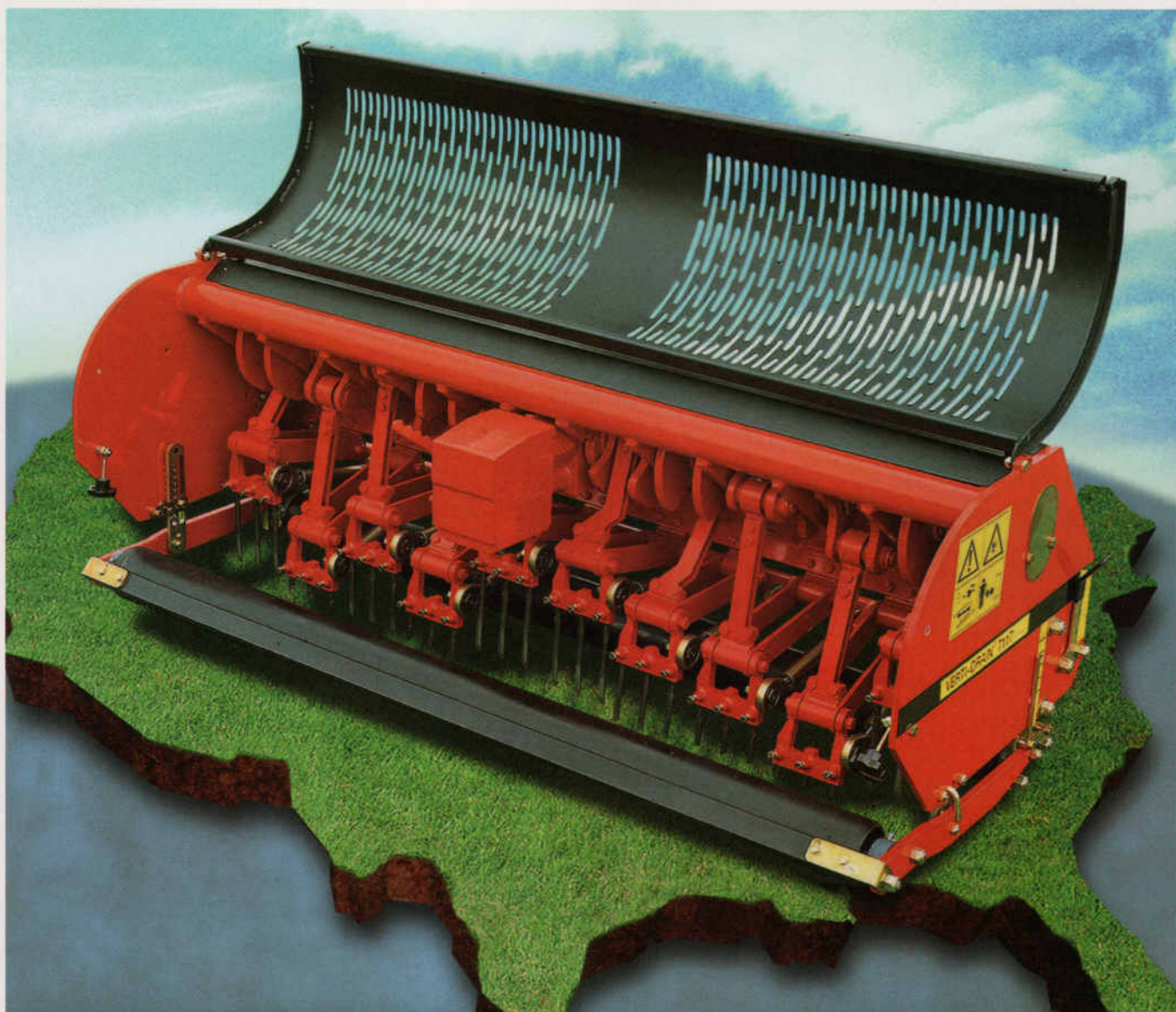
The details of the design were made with the field hockey program in mind. With

input from coach Linda Wage, Clark's field consultant proposed modifying both the infill height and makeup to speed up the pace of the field. By adding a greater percentage of sand and leaving only 1/4 inch of exposed polyethylene fiber, the surface has proven smoother and swifter than off the shelf infilled products with less sand and a longer exposed pile height. A resilient rubber pad was installed underneath the carpet to mitigate the added surface firmness and maintain the standard safety requirements established for synthetic and natural turf fields.

Tufts University in Medford took its lead from Clark by making its field hockey needs integral to the design process. Like Clark, Tufts' multi-purpose natural grass field was difficult to maintain and did not provide a suitable surface for NCAA competition. Based on the same infill mix and pile height requirements and recommendations, Tufts now has a multi-sport infilled turf field that accommodates the many programs that use the facility and takes into account the preferences of its primary occupant, the field hockey team. According to Tufts Athletic Director Bill Gehling, "By tweaking the commonly available infilled products, we have been able to satisfy the competitive needs of our field hockey program without sacrificing utility for our soccer, football, and lacrosse teams."

As schools continue to maximize the use of multi-purpose fields by switching to infilled synthetic turf, field hockey needs to have a voice in the decision-making process, especially when some or all of the funding for the new field is coming from the field hockey program. With proper planning, the competitive requirements of field hockey can and should be included in the design process. With these few simple adjustments, field hockey teams can play the sport the way it is meant to be played without losing their competitive advantage. **ST**

Megan Patterson, a former All-American field hockey player at Brown University, is a civil engineer at Geller Sport Inc. in Boston. She can be reached at mpatterson@gellersport.com.



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OLYMPICS MODULAR FIELD

GreenTech installed more than 5900 well-rooted and mature turf modules in 60 hours into Olympic Stadium right after opening ceremonies last summer in Athens. The field was used for track and field events and hosted the gold medal soccer game.

The GreenTech system, unlike any other product, allows use the stadium floor for other purposes, such as the water feature during the opening ceremonies.

GreenTech/770-587-2522
For information, circle 073 or
see <http://www.oners.ims.ca/4569-073>



SUPER BOWL TURF

Princess-77 is the Bermuda of choice once again for the football game of games to be played at Alltel Stadium this February.

Princess-77 provides a stand of Bermuda that topped the latest NTEP for all seeded and vegetative type Bermuda grass (NTEP. No. 02-7). Plus, it requires 21% less water to provide the preferred results, establishes rapidly from seed, and recovers quicker from wear and tear than other Bermudas.

Pennington Seed/706-342-1234
For information, circle 076 or
see <http://www.oners.ims.ca/4569-076>



PRODIAMINE HERBICIDE

Sipcam Agro USA's newly registered Cavalcade 65WDG pre-emergence herbicide contains prodiamine, the most robust of the dinitroaniline (DNA) preemergence herbicides. It offers: long-residual preemergence control; can be applied in fall for weed prevention the following season; does not stain; and prevents grassy and broadleaf weeds.

Sipcam Agro USA/678-296-9054
For information, circle 077 or
see <http://www.oners.ims.ca/4569-077>

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

"Great Service..., The Best..."

wrote **Chip Baker**, Asst. Baseball Coach,
Florida State University, Tallahassee, FL

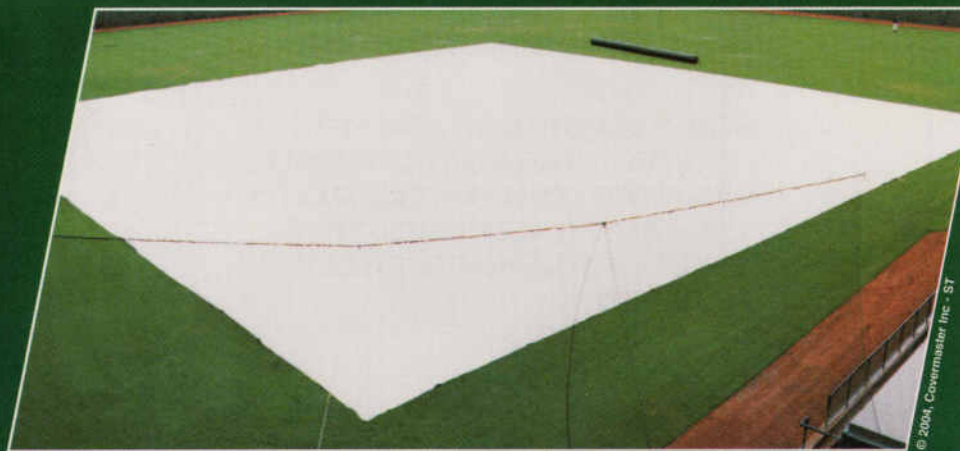
Chip's comments confirm what we hear from the many groundskeepers who use a COVERMASTER® raincover to keep their fields dry and ready for play. Call us and we'll gladly tell you more.

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TARP MACHINE VIDEO!

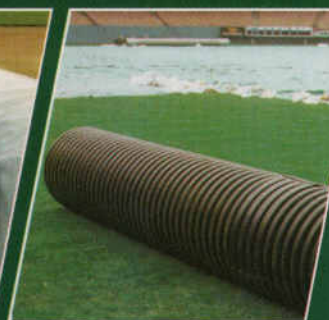
Call, fax or e-mail for a free video, material samples and a brochure.



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Circle 166 on card or www.oners.ims.ca/4569-166



ROYALS USE COLUMBIA SEEDS

Columbia Seeds LLC, is the official seed supplier to the Kansas City Royals. Their newly renovated field was completed this spring in time for opening day. Trevor Vance, Head Superintendent, is "pleased with the arrangement and the ability to utilize high quality seed from a young and innovative company." Products used on the park will be ClubHouse Perennial Ryegrass Blend, Armada Tall Fescue Blend, Riviera Bermudagrass and an elite Kentucky Bluegrass Blend. Columbia Seeds LLC/888-681-7333 For information, circle 086 or see <http://www.oners.ims.ca/4569-086>



SOILMASTER

Soilmaster infield conditioner meets the challenges of wet, dry, or compacted infields. Soilmaster for Turf soil creates vigorous root systems that stand up to game day punishment. Soilmaster granules resist compaction and promote vital root penetration and improve oxygen, water and nutrient flow to the rootzone for stronger, healthier turf. Pro's Choice/800-648-1166 For information, circle 075 or see <http://www.oners.ims.ca/4569-075>

NU DESTINY HONORED

Jacklin Seed has developed and released a Kentucky bluegrass variety that scored #1 in the recent National Turfgrass Evaluation Program (NTEP) trials. Nu Destiny Kentucky bluegrass, released in 2003, placed #1 among 173 entries in overall turf performance. Trials were conducted at 28 land-grant colleges across North America. Nu Destiny scored a full 0.1 higher quality than the next contender did. Jacklin Seed/800-688-7333 For information, circle 081 or see <http://www.oners.ims.ca/4569-081>



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- ◆ BALTIMORE RAVENS PRACTICE FACILITY
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- ◆ KANSAS CITY ROYALS
- ◆ CLEVELAND BROWNS
- ◆ TOLEDO MUD HENS
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Our patented machines carry the rolls, turn them at ground speed, and install down a controllable slide for tighter seams.

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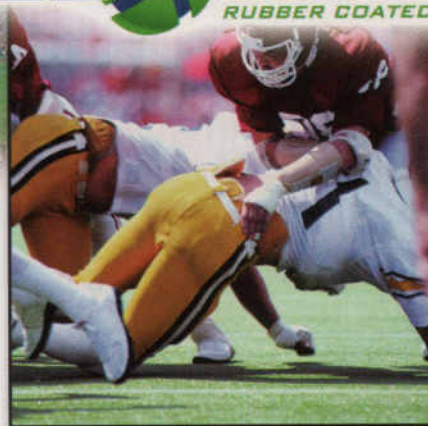
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"Riviera bermudagrass handled a wet, cold transition zone winter; the amount of winter kill was marginal. Riviera has exceeded my expectations, proving it to be a superior variety."

—Bob Dale, Supervisor of Grounds,
University of Evansville



Any turfgrass can "talk tough," but Riviera has the proof you demand:

- Ranked #1 over all, five years running, in the national turfgrass evaluation trials
- Winner of the turfgrass Breeder's Cup award in 2003
- Rigorously tested and continually proven in leading U.S. university studies
- Rated #1 for cold tolerance over all the rest

All of which is your clear-cut assurance that Riviera is:

- Proven superior for quick grow-in time and remarkable recovery rate from damage and abuse

Your superior advantage over all other sports turf, make the call now.

- Top-ranked for quality, color, texture, uniformity and density
- A proven leader in wear tolerance, cold tolerance and drought tolerance

And Riviera bermudagrass is your #1 choice for major cost savings:

- Seeding is estimated to cost 1/6 th as much as sodding right from the get-go. And it just keeps on rewarding you with its toughness, low maintenance and overall outstanding performance all season long and all year 'round.



"The ability of Riviera bermudagrass to establish quickly and recover quickly from wear is just amazing."

—Bryan White, OSU Athletic Dept.,
Turf & Field Supervisor



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The Cold-Tolerant Bermudagrass Experts

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AVAILABLE IN SOD

For immediate needs or unique applications, Riviera is also available in sod from one of our exclusive sod producers, with all the same genetic qualities of Riviera seed.

BY KEVIN VOS, CSFM

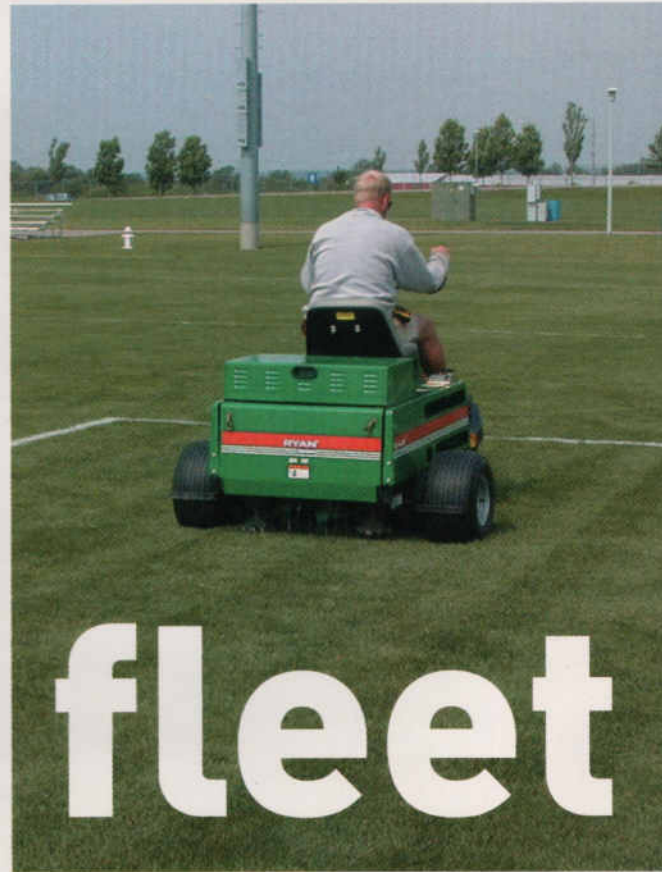
At the Muscatine Soccer Complex, Muscatine, IA, the number one goal is to maintain a safe, consistent, dense turf every day of the season. The following are just a few very important pieces of equipment in our arsenal to achieve this goal:

One of the most important pieces of equipment we use is our aerifier. We own or borrow four different types of aerifiers. Depending on what we're trying to accomplish during the season, we will use the Ryan GA30 aerifier with 1/2-inch hollow or 1/4-inch solid tines in the high use areas all season long. Solid tine aerification is used during the heavy amounts of usage to allow some additional oxygen to the roots without disruption of the surface. The Ryan Renovaire with 3/4-inch core tines is used on each field a minimum of two times per season.

Another important piece of equipment is the Land Pride overseeder. It is used extensively throughout the season to slice in heavy amounts of perennial ryegrass and Kentucky bluegrass seed. At many times of the year, we overseed with core aerification to break up cores and give some good hiding places for the seed to pop.

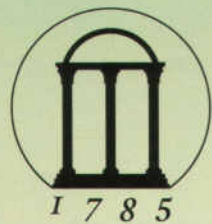
One of our more recent purchases has been very valuable to the overall turf management program. The John Deere TC125 collector system is used to pick up aerification cores, loose debris after the games, and for leaf pickup. It has enhanced our core removal with the sand topdressing program over the 22 acres of soccer fields.

The Jacobsen AR2500 rotary enviro decks mower is valuable for its efficient mowing time and the ability to stripe



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for aesthetics. The quality of cut is excellent and it lifts the grass upright. The soccer fields are mowed a minimum of three times per week, although during the peak growing season they are mowed almost daily. Working with a money-pinching municipal budget, our mowing hours have to be efficient.

Our three Cushman Trucksters are workhorses with a sharp turning radius, heavy cargo bed payload, and good towing capacity. They are used for spraying, running the

topdresser, hauling heavy payloads, moving materials and staff to job sites, and pulling equipment.

These are just a few of the many pieces of equipment our staff uses to maintain the playing surface of our soccer fields. **ST**
Kevin Vos, CSFM, is supervisor/athletic facilities, for the City of Muscatine, IA, Parks & Recreation department.



OVERSEEDER/ DETHATCHER

Jacobsen's Mataway overseeder and dethatcher is a 35.5-in. machine that allows you to dethatch or dethatch and overseed in one pass. The 4-cycle Kohler engine delivers 11 hp at 3,600 rpm. The unit itself has a spring loaded belt tightener for an easy clutch while the primary drive comes with a 4-L section V-belt to the front wheels connected by gear box and sealed roller chain. This combined with the triple 3-V section V-belts from engine to reel give the mower better handling.

Jacobsen/888-922-8873

For information, circle 106 or see <http://www.oners.ims.ca/4569-106>



BETTER DRAINAGE

BLEC's Ground Breaker and Sandmaster attachment can help your drainage problem. The machine effectively drains an area of ground allowing water to pass into a mains system or dyke. The Sandmaster attachment achieves this by creating a series of sand bands 10 in. apart and to a variable depth of 8 in. in a matrix format, thereby allowing uniform and complete drainage and decompaction of the area.

BLEC USA/888-325-BLEC

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turf maintenance equipment



PROCORE AERATOR

The Toro ProCore 660 aerator, with 60-in. width, covers up to 1.5 acres an hour with 5-in. hole spacing. Designed for large areas, the ProCore 880 aerator has 80 in. aerating width for up to 2 acres per hour performance. Both units are tractor mounted and feature a triple belt design for durability and performance in tough soil conditions.

The Toro Company/800-348-2424

For information, circle 107 or see <http://www.oners.ims.ca/4569-107>

TRENCH-FILLER ATTACHMENT

Turfco has available a trench-filler attachment for its WideSpin 1530 tow-behind topdresser. The 1530 can topdress as light as a fertilizer spreader up to 30 ft. wide, or uniformly apply more material up to 15 ft. wide. Now the attachment can help fill washed-out areas, irrigation ditches, and more. Turfco Manufacturing/763-785-1000
For information, circle 103 or see <http://www.oners.ims.ca/4569-103>



GROOM INFILL FIELDS

The Synthetic Sports Turf Groomer and Spring Tine Rake allow fast, efficient, grooming of all infill synthetic sports fields in both wet and dry conditions. The brush design moves infill material three different directions for every three feet of forward movement,

working the infill into low spots and depressions left after play. The Groomer lifts the turf fibers leaving them in a plush, upright position. There are 14 super duty blue brushes on the Groomer made of synthetic material that retain their original shape, resist wear, and will not rot.

The Spring Tine Rake combs through the infill, relieving compaction, releasing trapped turf fibers, and assuring a level playing surface. Because the Synthetic Sports Turf Groomer is perfectly balanced, bounce is eliminated while towing, providing the optimum groomed surface.

GreensGroomer WorldWide/888-298-8852

For information, circle 100 or see <http://www.oners.ims.ca/4569-100>