THURSDAY, JANUARY 18
This session kicks off with concurrent sessions in 6 areas from 8:00 - 11:15 AM.
Concurrent Sessions
8:00 - 11:15AM

TRAFFIC
Moderator: John Stier, Ph.D., University of Wisconsin
8:00 - 8:45AM
Investing in Safe High Use Community Fields
JoAnn Gruttadaurio, Cornell University
Learn ways to communicate effectively the importance of safe sports fields and the benefits and costs of implementing best management practices. Also learn strategies to use when working with and involving community leaders and groups to secure support and resources for managing these high-use sports fields.

8:45 - 9:30AM
Variety Selection and Management of Kentucky Blue Grass
Brad Park, Rutgers - The State University of New Jersey
This presentation will report on the results of traffic tolerance trials conducted at Rutgers University on the National Turfgrass Evaluation Program (NTEP). Kentucky bluegrass tests, as well as research examining the effects of seasonal wear applications and individual traffic components on Kentucky bluegrass varieties. This research provides practical information that can aid sports field managers in the selection of Kentucky bluegrass varieties for sports fields.

9:30 - Break

9:45 - 10:30AM
Keeping High Trafficked Athletic Fields Safe and Playable: Going Beyond Traditional Sound Agronomic Practices
Jason Henderson, Ph.D., University of Connecticut
This presentation will cover the latest techniques to solve the perennial challenge of maintaining turfgrass cover on areas of athletic fields that receive the most intense traffic. In addition, this seminar will offer nontraditional methods that will help alleviate this problem.

10:30 - 11:15AM
Management Strategies for Intense Traffic
Mike Goatley, Ph.D., Virginia Tech
This presentation will consider how factors such as turfgrass varietal selection, chemical, cultural, and use management programs can be applied to optimize turf density and playing quality under heavy traffic conditions.

FIELD CONSTRUCTION
Moderator: James McAfee, Ph.D., Texas Cooperative Extension
8:00 - 8:45AM
One Percent is Not Enough
Norman Hummel, Ph.D., Hummel & Co. Inc.
This presentation will discuss some principles of field designs as they relate to surface drainage, a discussion on field surface drainage options, including proper pitch/slope, bypass systems, soil modification, and sand based systems.

8:45 - 9:30AM
Jeffrey L. Bruce, Jeffrey L. Bruce & Co. LLC
This session will demystify writing clear specifications by providing an understanding of the basic organization and structure of specifications. Developing a good solid understanding of specifications systems is critical for the success of anyone that manages construction projects. Learn about the products, services and industry resources available to you as well as common pitfalls of writing construction specifications.

9:30 - Break

9:45 - 10:30AM
Tubby Raymond Field at the University of Delaware
Sam Jones, University of Delaware
Tom Taylor, University of Delaware
Presentation will show the progression of construction and maintenance of this field from "grass and dirt" through a modified Cambridge System to a 100% sand based system. Included will be the team approach to restoring a field with reps from Athletics, Grounds Services and Facilities Planning and Construction. After a disastrous 2005 game in heavy rain the relocation of the next home game to the opponent's field due to poor field conditions, the University of Delaware made a commitment to make emergency repairs to finish the 2005 season and to build a new field ready for play in September 2006.

10:30 - 11:15AM
Do I Have to Rebuild My Field?
John Mascaro, Turf-Tec International
We will look at a series of over 100 photographs showing how to know when it is time to re-build your field. From visual testing to testing with ASTM Standards, you can determine how good or bad your field is and whether it is time for reconstruction. If reconstruction is necessary, we will look at the new ASTM Standards for doing it with some old school knowledge. If the field doesn't need reconstruction, we will look at how to bring it back to life.

ECO-BALANCED ATHLETIC FIELDS
Moderator: Grady Miller, Ph.D., North Carolina State University
8:00 - 8:45AM
Minimizing Pesticides - Innovative Solutions for Intensely Trafficked Fields
Frank S. Rossi, Ph.D., Cornell University
Learn how to manage high traffic sports turf with limited inputs and especially no pesticides. It stresses identifying your high traffic areas and focusing your inputs where you need them most.

8:45 - 9:30AM
Competitive Turf: Overseeding for Weed Management
Eric M. Lyons, University of Guelph
In sports field management, overseeding is primarily used to facilitate quick recovery from

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traffic and heavy use. Weed reduction and prevention has been observed as a result of over-seeding. This presentation will discuss a current research project with field plots at the Guelph Turfgrass Institute, the University of Guelph, and the municipality of Oakville in Ontario.

9:30 - Break

9:45 - 10:30AM
Sports Turf IPM: Theory vs. Reality
Rich Watson, Pine Hill Public Schools
This presentation will show what happens when the IPM strategies don’t exactly mesh with the realities of life in a K-12 school district. Communication, preparation, education, product selection, and having an open mind to try new things will be key topics of the discussion.

10:30 - 11:15AM
Components of an Effective Organic Fertility Program for Cool Season Sports Field
Mary Owen, University of Massachusetts at Amherst
Understand the characteristics of organic fertilizer materials and how to incorporate these materials into an effective integrated management system.

SYNTHETIC FIELDS
Moderator: Darian Daily, Cincinnati Bengals

8:00 - 8:45AM
The New Synthetics: Where We Are 7 Years Later
Webb Cook, A-Turf, Inc.
Join this open format where you can discuss the management of the new synthetics, the different issues we are now seeing on fields that are five years and older, and focus on specific experiences that a number of different turf managers have seen with these types of fields.

8:45 - 9:30AM
The Replacement Process of a Synthetic Field
Debra Kneeshaw, City of Portland Parks and Recreation
Including setting up a replacement fund upon installation, collecting funds for replacement, removing and reusing the original synthetic field and infill, and reinstallation without disruption of base.

9:30 - Break

9:45 - 10:30AM
Bringing Synthetic Turf to Life
Jay Warnick, CSFM, BYU-Idaho
A discussion about the impacts of synthetic turf on our industry, and the facilities we work at. Some tips on how to enter into the planning phase and making sure your voice is heard.

10:30 - 11:15AM
What You Need to Know About Synthetic Surfaces
Mark Nicholls, Sportexe
This presentation will provide detailed discussions regarding the key items to consider before purchasing a synthetic surface and how to maintain synthetic surfaces professionally.

BASEBALL INFIELD MIXES
Moderator: Craig Potts, Texas A&M University

8:00 - 8:45AM
Infield Management for all Levels of Participation
Mike Schiller, CSFM, Lake Forest Academy
This session will cover infield management at all levels of competition. You will be shown pictures and techniques that have been seen or used over the last 36 years. Various types of materials available for infield maintenance will be discussed.

8:45 - 9:30AM
Maintaining Skin Area in the NCAA Environment
Kris Harris, Georgia Tech.
Theories on infield skin maintenance and why they may not work for you. A normal day of infield skin maintenance, and why it all starts in December.

9:30 - Break

9:45 - 10:30AM
Evaluating Skinned Infield Maintenance Procedures
James Brozman, Penn State University
This presentation will review the results of a study of skinned infield maintenance procedures conducted at Penn State in 2006. The affects of various levels of sub-base compaction, soil texture, calcined clay application rates, dragging practices, and irrigation regimes on ball bounce (pace), surface hardness, and traction will be discussed. Pennbounce, a unique piece of research equipment designed to measure the pace of skinned infields, will be discussed as well.

10:30 - 11:15AM
East and West Coast Infield Variations
Bill Deacon, New York Mets
This presentation will focus on differences and similarities in managing infields at the professional level on the East and West Coasts. It will include what changes we have made at Shea Stadium this past year.

BUDGETING & COMMUNICATING FOR THE PROFESSIONAL
Moderator: George Trivett, CSFM, Hudson Middle School

8:00 - 8:45AM
Developing Efficiencies, Creating Alternative Funding Sources for Sports Field Maintenance
Jim Carr, Jim Carr & Assoc.
This session will address the importance of continually looking for and developing efficiencies in your operation, while at the same time identifying and creating alternative funding sources for maintenance activities. Participants will learn successful strategies being used by resourceful public agencies and private facilities across the country.

8:45 - 9:30AM
Working with Volunteers
Jeffrey T. Fowler, Penn State University
We never have enough help on our fields, yet many parents bring kids to our fields to play.

Continued on page 18
Can you identify this sports turf problem?

Problem: Green lines on grass in winter
Turfgrass Area: Grass tennis courts
Location: Northern Central U.S.
Grass Variety: Bentgrass

Answer to John Mascaro's Photo Quiz on Page 38
John Mascaro is President of Turf-Tec International
This session will talk about ways to involve volunteers in our field maintenance calendar.

**9:30 - Break**

**9:45 - 10:30AM**

**Communicating with Coaches**

**Eric Fasbender, University of Oregon**

Believe it or not, coaches can play a key role in how our fields look and perform. This session will explain how to communicate effectively with your coaches to eliminate their headaches as well as yours.

**10:30 - 11:15AM**

**Behind the Scenes at Beaver Stadium: A View from the Crew**

**Paul Curtis, Penn State University**

The talk provides an insight into what our crew does at Penn State, ideas and inventions we have come up with and questions will be answered from anyone who wants to see how a “guy on the crew” would react to ideas they have.

**GENERAL SESSION**

1:00 - 4:00PM

**1:00PM**

**General Session 1 - International Development in Sports Turf Management**

**Introductory Remarks - STMA President Michael Trigg, CSFM**

**Superintendent of Parks, Waukegan Park District**

**Program Highlights - David Minner, Ph.D.**

Iowa State University

**Turfgrass Research - Trey Rogers, Ph.D.**

Michigan State University

**Safety Research - John Orchard, Ph.D.**

University of New South Wales, Australia

**Innovative Practices - Martyn Jones**

National Turfgrass Foundation, Manchester UK

**2:45 - 3:00PM Break**

**3:00PM**

**General Session 2**

**Keynote Address by Roy Firestone**

Critically acclaimed for his work in broadcast journalism, Firestone has won seven Emmy Awards and seven Cable ACE Awards. He has interviewed more than 5,000 people, including nearly every major sports figure. An accomplished singer, impressionist, and humorist, Firestone will deliver a thought-provoking message in a vibrant multimedia show.

**4:00PM - 5:00PM**

**Microbial Control of Turfgrass Diseases**

**Mark Hall, Texas A&M University**

**Aerification Program for Sports Fields for Maximum Results**

**Larry Rider, Turfgrass Professionals/Texas**

Learn how to assess your aerification program, how to maximize the benefits of aerification, and how to schedule aerification programs.

**9:30 - 10:00AM**

**Developing A Weed Control Program for Your Sports Field**

**Hemen Cummings, Ph.D., Tarleton State University**

What has worked in the past and what will work in the future to control weeds in sports turf is presented for managers with varying equipment, budgets, time, and expectations. Weed control programs do not solely rely on herbicides for weed management. Find out what you can adapt to your program.

**PARKS & REC**

**Moderator: Chris Calcaterra, CSFM**

**8:00 - 8:30AM**

**Designing Irrigation Systems for Large Sports Field Complexes**

**Brad Waters, Rain Bird**

**8:30 - 9:00AM**

**Controlling Fire Ants and Other Insects on Sports Fields**

**Jim Reinet, Texas A&M University**

This presentation will cover all turf insects/mites and fire ants as they impact sports fields. Their behavior, biology and management (cultural, and chemical/biological) will be outlined.

**9:00 - 9:30AM**

**Managing Large Sport Field Complexes**

**Miles Studdhalter, FC Dallas/Pizza Hut Park**

This presentation will give an overview of Pizza Hut Park, talk about daily maintenance, talk about events, number and type of events, and construction challenges.

**9:30 - 10:00AM**

**Understanding Mathematics for Pesticide/Fertilizer Applications**

**Mark Hall, Texas A&M University**

See 8:00am-8:30am program for description.
PROFESSIONAL FIELDS
Moderator: Abby McNeal, CSFM
8:00 - 8:30AM

Improving Your Value and Resume Building
Ross Kurcab, CSFM, Denver Broncos
Being a successful sports turf manager involves so much more than skills in the field. Today’s sports turf managers can become a most integral part of the organizational plan, and in turn, they can elevate their position and professionalism. Whether you are a new rookie, or a wily veteran, you need to “Brand” yourself and your operation as a professional.

8:30 - 9:00AM
Nutrient Management Strategies for Sand Based Sports Fields
Richard H. White, Ph.D., Texas A&M University
This workshop will provide participants with the knowledge to develop a nutrient management plan for sand based sports fields that enhances turfgrass performance and that is environmentally sound.

9:00 - 9:30AM
Building and Managing Infield Dirt in a 2-Sport Venue
Larry DiVito, Washington Nationals
RFK Stadium in Washington, DC is the only venue in the country that hosts 2 major professional sports simultaneously from April to October and maintenance of the field requires creative thinking and flexible planning.

9:30 - 10:00AM
New Field - Heavy Event Schedule, Manage to Survive
Abby McNeal, CSFM, AEG/Toyota Park
Toyota Park opened up in June, almost halfway thru the MLS season and still has hosted 16 home games. The talk will be about how the staff handled the heavy loaded event schedule, including two concerts to home game turnovers, with a young field.

COLLEGE/UNIVERSITY
Moderator: Mike Andresen, CSFM
8:00 - 8:30AM
Benefits of Silicon in Turf
Lawrence Datnoff, Ph.D., University of Florida
This presentation will cover the benefits of silicon in the life and performance of turfgrass. General information will be given about silicon in soil, plants, and its affects on abiotic (i.e., heat stress, drought stress, mineral toxicities and wear tolerance) and biotic (plant disease and insects) stress.
Program 2007

8:30 - 9:00AM
Using New Heat Tolerant Kentucky Bluegrass Varieties in Sports Fields
Travis Teuton, University of Missouri-Columbia
This presentation will review the different types of surface related injuries that can occur in athletics, and will explain how excessively hard playing surfaces can cause injury.

9:00 - 9:30AM
Understanding Surface Related Injuries
James Brosnan, Penn State University
This presentation will review the results of a study of skinned infield maintenance procedures conducted at Penn State in 2006. The affects of various levels of sub-base compaction, soil texture, calcined clay application rates, dragging practices, and irrigation regimes on ball bounce (pace), surface hardness, and traction will be discussed. Pombounce, a unique piece of research equipment designed to measure the pace of skinned infield, will be discussed as well.

9:30 - 10:00AM
Don't Paint Yourself into a Corner: Know What’s in Your Paint!
Richard H. White, Ph.D., Texas A&M University
This presentation will outline the reasons and prevention for acute and chronic injury to natural grass fields by field marking paints and colorants.

Friday PM Workshops:
3:00 - 5:15 PM
Workshop #1 Maximizing Limited Budgets - Rational Decisions About Products and Field Management
Robert Carrow, Ph.D., University of Georgia/Griffin Campus
This presentation focuses on how to make rational and economic decisions for selecting new products and technologies by: a) determining how to identify primary, secondary, and perceived but non-existent problems, so that products/technologies can be targeted to real/basic problems; b) clarifying areas of confusion such as soil amendments, biostimulants, soil microbial additives, fertilizer materials, etc., and c) providing common-sense guidelines to determine when to use a new product or technology.

Workshop #2

The Ten Commandments of Environmental Turf Craft
Kevin Trotta, North Rockland Central School District
This presentation will address the art and science of sports turf management and environmental stewardship.

Workshop #3 A Panel Discussion on Rubber Infill Systems
Leader: Darian Daily, Cincinnati Bengal
Webb Cook, A-Turf Inc.
Debra Kneeshaw, City of Portland Parks & Recreation
Jay Warnick, BYU-Idaho
Mark Nicholls, Sportexe
An interactive discussion about the issues impacting rubber infill systems, including manufacturing and sales, construction and maintenance.

Workshop #4 Student Workshop
Work or Graduate School, What I Need to Know
Leader: Lynda Wightman, Hunter Industries
This workshop is designed to help you determine which path is right for you: graduate school or entering the workforce.

Putting My Education to Work
David Bicknell, Texas Rangers
How Your Education Can Benefit My Facility
Raechele Volkening, CSFM, Milwaukee Brewers
Transitioning Your Bachelors Degree to an Advanced Degree
John Sorohan, Ph.D., University of Tennessee
A Graduate Student's Perspective on Graduate School
Graduate Student Scholarship Winner

Workshop #5
Van Cline, Ph.D., The Toro Company
Several technologies are emerging that will help...
sports turf managers more accurately assess field conditions. Better information on soil compaction, soil moisture, irrigation performance and turf health will allow managers to more precisely target cultural practices, assess the effectiveness of those practices, and more efficiently use water, chemicals, equipment and manpower to keep fields in good condition. This seminar will discuss the use of various mobile sensors, GPS and GIS mapping software to keep track of important agronomic conditions in easily understood useable maps.

**Workshop #6**  
**Preparation for the CSFM Exam**  
**Leader:** Mike Schiller, CSFM, Lake Forest Academy  
**Mary Owen, University of Massachusetts, Amherst**  
**George Trivett, CSFM, Hudson Middle School**  
**Matt Carl, CSFM, Prairie Ridge Sports Complex**  
This presentation will detail the particulars of the CSFM program and the importance of becoming a CSFM, address how a sports turf manager can determine his or her eligibility and begin the application process, encourage potential CSFMs to embark upon the process of becoming a CSFM, present information on the construction of the exam, provide an opportunity for attendees to take a practice exam and provide a forum for potential CSFMs to ask questions about the program and the process.

**Workshop #7**  
**Warm Season Grass Management**  
**John Sorochan, Ph.D., University of Tennessee**  
**Grady Miller, Ph.D., North Carolina State University**  
This presentation will focus on species and variety selection, management including fertility and cultivation, overseeding and Plant Growth Regulators and Crumb Rubber Topdressing.

**Workshop #8**  
**Sports Field Management in Drought/Adverse Weather Conditions**  
**James McAfee, Ph.D., Texas Cooperative Extension**  
Many areas of the country are experiencing extended drought conditions, especially in the south. This adverse weather condition has resulted in water restrictions in many areas of the south, making it difficult to maintain quality sports fields. This presentation will cover proper cultural practices for maintenance of sports fields during drought conditions as well as how to prepare your field to survive extended drought conditions.

**Field Construction to Conserve Water**  
**Mike Kelly, Glen Rehbein Company**  
Discussion of how new technology in turf can be a positive influence on water use and storm water management.

**How Water Quality Affects Your Sports Field**  
**Nick Christians, Ph.D., Iowa State University**  
Basic principles of soil science and water quality will be discussed.

**Workshop #9**  
**Drainage Concepts and Issues**  
**Andy McIntire, Ph.D., Penn State University**  
This presentation is designed primarily for individuals maintaining natural soil athletic fields and less appropriate for those maintaining sand based rootzones.

**SATURDAY, JANUARY 20**  
**Concurrent Sessions**  
8:00AM - 12:00PM

**NEW TECHNOLOGY**  
**Hand-held, Mobile, and In-Place Sensors for Site Assessment:**  
**Equipment, Protocols, and Applications**  
**Robert Carrow, Ph.D., University of Georgia, Griffin Campus**  
This workshop will focus on: a) proper use of hand-held testing devices/sensor units in turfgrass situations to assess soil, turf, playing field characteristics, and climate conditions, b) current and projected future types and uses of inplace sensors, and c) current and projected future use of mobile sensors for assessing spatial variability of plant-soil-climatic-field characteristics.

**GRASS MANAGEMENT**  
**Constructing, Managing, and Testing Sports Turf Root Zones**  
**Jason Henderson, University of Connecticut**  
**John Sorochan, Ph.D., University of Tennessee**  
During this workshop attendees will receive hands-on experience evaluating the physical and engineering properties of various native soils and root zones mixes for the purposes of constructing and/or maintaining athletic fields. Attendees will help conduct laboratory performance testing procedures and interpret results to assess the materials suitability for root zone construction and/or topdressing material. Come prepared to get your hands dirty.

**FERTILIZERS**  
**Fertilizers for Sports Fields**  
**Brad Jakubowski, University of Nebraska**  
**Tom Samples, Ph.D., University of Tennessee**  
This hands-on workshop will focus on the importance of purchasing and applying granular fertilizers according to their analysis, nitrogen source(s), method of nitrogen release and physical characteristics. Information presented during this hands-on workshop is intended to help managers maintain healthy turf grasses by selecting and applying fertilizers that will deliver the desired results within budget. Interpreting soil tests and building fertilizer programs will also be stressed. Attendees are encouraged to bring their own soil tests to be used during the workshop.

**SPANISH FOR THE SPORTS TURF MANAGER**  
**Getting Started with Hispanic Labor; Legal and Communication Issues**  
**Steve Valdez, Carpe Diem Consulting Services**  
This workshop will also provide an understanding of sports turf practical terms in Spanish for better communication.
A-Turf, Inc. specializes in the sales and installation of both infilled and conventional synthetic grass systems for athletic fields. A-Turf’s focus is to provide superior synthetic grass systems combined with exceptional installation and after sales service.

Advanced Drainage Systems, Inc. specializes in the sales and installation of corrugated polyethylene and related drainage products.

Aer-Flo, Inc. manufactures unique, state-of-the-art sports field covers. We are proud to introduce our patent pending Aer-Flo Ballasted Windscreen. This revolutionary new windscreen technology helps protect chain link fences from wind damage.

AerWay/Reist Industries produces a full line of Turf Aeration Solutions. AerWay aerators are available starting at 45" all the way up to 15' in width - in both 3-Point and Pull Type configurations.

Airfield Systems provides a versatile synthetic drainage system for use with natural and artificial turf. Our system installs quickly, inexpensively and moves more water faster than any available alternative.

American Civil Constructors, Inc. is a constructor of natural grass and synthetic turf fields at the professional, collegiate, and high school levels.

The Andersons specialize in formulation of premium fertilizer products for turf of all uses. We deliver quality service and technology to the turfgrass industry.

Aquatrols creates products to improve or maintain your root zone environment.

Astroturf, LLC. The New Generation is not about protecting innovation, but more importantly, innovating protection. Our newest AstroPlay and PureGrass field systems implements the latest in sports technology including antimicrobial protection.

Bannerman Ltd. manufactures unique, Slate-or-the-Art Turf Aeration and Overseeding Equipment and Turf Combs.

Bare Spot Solutions (BSS) is a Leading manufacturer of specialized turf care equipment including over seeders, deep fine aerators, slit drainage and machinery.

Barenbrug USA is an Oregon-based grass seed research company, selling turf and forage seed through a wholesale distribution network across the USA.

Bayer Environmental Science provides turf production and construction services. Bayer is a company that provides turf production and construction services.

Beacon Athletics Supplies soil amendments, field maintenance equipment, custom netting, padding, windscreen and more.

Blec USA Inc. is a manufacturer of specialized turf care equipment including over seeders, deep fine aerators, slit drainage and machinery.

Brock USA provides porous composite as base for synthetic turf.

Buffalo Turbine, LLC continues to supply quality turf products such as turbine blowers, top dressers, sprayers and greens fans.

Carolina Green Corp. provides turf production and construction services. Carolina Green Corp. is an Oregon-based grass seed research company, selling turf and forage seed through a wholesale distribution network across the USA.

C & H Baseball, Inc. is a company that provides turf production and construction services.

Charles Williams & Associates is a company that provides turf production and construction services.

Country Stone, Inc. is a company that provides turf production and construction services.

Covermaster Inc. is a company that provides turf production and construction services.

Delta Bluegrass Company is a company that provides turf production and construction services.
## Exhibitors 2007

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### Quality Products

- Our Tifway 419, 50-50 Blue Rye, and our exclusively grown Baby Bermuda are ideal for all your sports turf needs.
- Alumanumber and Line-Up hash mark painting system to assist in this perfection are also available.
- The DLF Trifolium Group, of which DLF International Seeds is a member, is the world's largest producer and marketer of grass and clover seed. From the center of seed production in Halsey, Oregon, DLF International Seeds provides outstanding service to your distribution network.
- DLH Architecture is an independent design and consulting firm. We specialize in the design bidding and construction of all types of synthetic turf systems. Our custom process produces a time-focused high-quality project at the least cost, providing you the best value for your money.
- Dryject is a revolutionary approach to soil aeration and soil amendment utilizing both sand based and native soil for sportsfields. Patented technology injects large volumes of dry material into the soil profile leaving the surface immediately playable.
- Germination blankets for sports field construction and existing field repair.
- Provides PVC piping component needs nationally and internationally with a strong commitment to service and "Quality by Design."

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Dynamax, Inc. provides soil moisture irrigation controls and moisture meters. Our most popular instruments are the New IL2-MC Soil Irrigation Moisture Control and the TH20 Soil Moisture Meter. www.dynamax.com

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EP Minerals manufactures Axis® Premium Soil Amendments and PlayBall® Premium Infield Conditioners. Axis conserves water for the plants and converts sandy soil or compacted clay into healthy soil. www.eaglepicher.com

Earth & Turf Products, LLC 501
New Holland PA
Earth & Turf Products, LLC produces simple well-built topdressers for the Sports Turf Industry. www.earthandturf.com

Ewing Irrigation Products 453
Glendale CA
Premier distributor of irrigation and horticultural products from landscape, sports turf and golf in 19 states. www.ewingi.com

Excell Minerals 229
Dublin OH
Pelletized calcium silicate with micros that provides 59% soluble silicon proven beneficial for wear tolerance in turf. www.excellminerals.com

Fairmount Minerals 576
Wedron IL
Fairmount Minerals is a leading producer of silica sands. Through our vast distribution network we are able to ship products across the USA and abroad. www.fairmountminerals.com

Fieldmaster Infield Groomer 223
Lenexa KS
Baseball, softball infield groomer. Fieldmaster has 5 grooming tools: combination scarifier, leveling bar, roller, weight tray and sweep for a textured finish. www.fieldmaster.com

FieldTurf 125
Montreal QC
FieldTurf replicates a natural grass surface with a sand and rubber infill system, the biggest technological development in 25 years. www.fieldturf.com

First Products, Inc. 427
Tifton GA
Manufacturer of the only patented vibrating tine aer-vators. Equipment use includes aerating,Mary seeding, overseeding, verti-cutting and incorporated topdressing. www.firstproducts.com

Fleet US LLC 129
Dakota City NE
Fleet is a leading manufacturer of sports line marking paint and machinery. Fleet makes line marking easy. www.fleetus.com

Floratine Products Group 563
Collierville TN
Floratine Products Group is a manufacturer of premium turfgrass products and services for over 16 years to the sports turf industry. Floratine manufactures and develops foliar and soil products with superior patented technologies enabling the turf manager to achieve desired results each and every time. www.floratine.com

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Foley United, the world’s innovative leader in sharpening equipment is introducing the first automated, full-featured rotary blade grinder. The new 400 is self contained for dust and safety, and with a built in balancing system and a push button automated in feed feature, blades can be ground and balanced in less than a minute. If you are looking for productivity, safety, and quality please visit our booth. www.foleyunited.com

General Sports Turf Systems LLC 371
Rochester MI
General Sports Turf Systems designs, markets, constructs and services athletic fields under its game day grass brand. www.generalsports turf.com

Geotechniques, Inc. 369
Wixom MI
Geotechniques, Inc. manufactures thermal protection blankets and pre-fabricated drainage systems. www.geotechniques.com

Graco, Inc. 488
Rogers MN
Graco, Inc. is the global leader in airless line stripping systems with a complete line of field marking equipment and accessories. www.graco.com

Graden USA Inc. 209
Richmond VA
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