

**Scotts Company, The 531**

Marysville OH

Offering an exclusive line of turfgrass seed products. Products include exclusive and non-exclusive varieties and proprietary brands, including Double Eagle™ seed blends and mixtures.

**Seed Research of Oregon 820**

Corvallis OR

**Simplicity Manufacturing 725**

Port Washington WI

Produces commercial and residential mowers, snow throwers, tillers, chipper shredders, leaf handling equipment, generators and pressure washers under the brands Simplicity, Ferris, Giant-Vac and Snapper.

**Sisis, Inc. 840**

Sandy Springs SC

Since 1932 manufacturer of sports turf maintenance equipment. Aeration, de-thatching, grooming, seeding - all fall within the Sisis product range. Visit us at [www.sisis.com](http://www.sisis.com)

**SMARTURF 540**

Phoenix AZ

**Southern Athletic Fields 109**

Columbia TN

Supplier of quality infield mixes, mound clays, clay bricks, calcined clays and warning track materials. All have a deep red color. Innovative field accessories.

**Sportex 547**

Fonthill ON

Proud to be North America's #1 sports surfacing company. Sportex manufactures 108 different artificial sports surfaces and supplies over 13,000 sports equipment products.

**Sports Turf Company, Inc. 615**

Whitesburg GA

Sports field construction company specializing in general contracting, construction management of design/build projects, construction/renovation of athletic fields for municipalities, schools colleges/universities and professional teams.

**SportsEdge 738**

Delhi NY

Innovative solutions provider for sports drainage, in-ground jump pits, goal/goal post requirements, and first class customer service that separates us from the rest.

**SPORTSTURF Magazine**

Chicago IL

Official magazine of the Sports Turf Managers Association.

**Sports Turf Managers Association**

Council Bluffs IA

**Stabilizer Solutions, Inc. 318**

Phoenix AZ

Specializes in infield products such as Hilltopper Mound Clay, Stabilizer infield mixes, and TurfGrids fibers for all types of turf reinforcement.

**StrathAyr Turf Systems 320**

Seymour Victoria AU

Provides an extremely resilient, safe and long-lasting natural grass surface. Installations include Reliant Stadium (ModulAyr System) and Tad Gormley Stadium, New Orleans.

**Sun Gro Horticulture, Inc. 713**

Simpsonville SC

**Suntec Paint 850**

Gainesville FL

Manufacturers of Game Day Athletic Field Marking Paints. Game Day contains no harmful ingredients. Non-toxic, environmentally friendly. Grass grows back quickly and vibrantly.

**Supaturf Products USA 246**

Sandy UT

Supaturf's Topline System of innovative line-marking machines and high quality paints provide convenience, cost savings and outstanding lines. Used worldwide, finally available in the USA.

**Sustane Natural Fertilizer of America, Inc. 106**

Cannon Falls MN

Manufacturer and marketer of natural organic and organic based fertilizers, thatch reducing and root stimulating products. Brand names: Sustane, Bio Grounds Keeper and Bolster.

**Syngenta 231**

Greensboro NC

The leading manufacturer of turf and ornamental fungicides, herbicides, insecticides and turf growth regulators.

**Terraplas USA Rentals, LLC 736**

Kilgore TX

The nation's premier turf protection system and internationally acknowledged as the only answer whenever grass need protection from large numbers of people.

**Tomark Sports 149**

Corona CA

Equipment for all sports and facility maintenance-baseball, softball, football, soccer, tennis, volleyball, basketball, etc. From infield groomers to scoreboards—we do it all.

**Toro Company, The 923**

Bloomington MN

Manufactures turf and irrigation equipment for a wide range of sports turf applications. Products include rotary and reel mowers, vehicles and turf cultivation equipment.

**Tru-Turf Equipment 354**

Ernest OLD AU

**Turbo Link International, Inc. 341**

Clearwater FL

Supplies and installs products to enhance sports facilities (professional, college and university, high school and parks & recreation, etc).

**Turf Diagnostics & Design 613**

Olathe KS

A soil testing and agronomic consulting company. Services include: rootzone testing and diagnostics, materials evaluations and quality control, construction, maintenance, and architectural support.

**Turf-Seed, Inc. 330**

Hubbard OR

Providing top-rated turfgrass varieties that perform well under closely mown conditions and extreme wear as well as valuable agronomic expertise based on sports turf research.

**Turf Specialities, Inc. 418**

Lakeland FL

Manufacturers fine turf, 3 pt. Hitch verti-cut equipment for athletic fields and golf courses in 3, 4 and 5-foot widths.

**Turfgrass America 225**

Granbury TX

A fast-growing company dedicated to providing the highest quality sod and sod-related services.

**Ty-Crop Manufacturing Ltd. 631**

Rosedale BC

Designs and manufactures simple to use, long lasting, high performance material handling and topdressing equipment to help customers achieve exceptional turf-grass surfaces and improved playing conditions.

**United Horticulture Supply 233**

Denver CO

One of the leading suppliers of chemicals, fertilizers and seed to the professional turf and ornamental industry.

**ValleyCrest Companies 815**

Calabasas CA

Provides the entire range of landscape services including irrigation, decorative concrete, water features, hardscapes, tree relocation, sports turf and themed construction.

**Weather Beater by Colorado Lining 332**

Bozeman MT

**West Coast Turf 413**

Palm Desert CA

The choice of Qualcomm Stadium, 3Com Park, Edison Field, Rose Bowl, LA Coliseum, BOB, Super Bowls XXVII, XXIX, XXX, XXII, and more.

**Wiedenmann N.A., LLC 201**

Savannah GA

Manufactures innovative turf maintenance and aeration equipment. Our Terra Spike, Terra Combi and Terra Tip lines are multi-purpose machines with available cost-saving options.

**World Class Athletic Surfaces 239**

Leland MS

A manufacturer and supplier of high quality athletic field paints, dyes, graphic stencils, stripers, field covers, privacy curtains and other field accessories.





# STMA CONFERENCE SPEAKERS

## FEATURED SPEAKER » **Paul Caligiuri**

Long considered one of the most successful and recognizable soccer players in the United States, Paul Caligiuri is in his second year as the head coach of Cal Poly Pomona's men's and women's soccer teams.

After earning honors for his collegiate play for UCLA, Caligiuri, played professionally and internationally for 18 years before joining Cal Poly Pomona. From 1984-97, Caligiuri was a member of the United States national team and had 110 game appearances, including participation in two World Cups in 1990 and 1994 and the 1988 Olympic Games in Seoul, Korea. One of the most memorable moments of his playing career came in 1990 when he scored the game-winning goal - known as the "Goal Heard Round The World" - against Trinidad & Tobago that qualified the U.S. for its first World Cup in 40 years. He played professionally in West Germany and became the first American player to make a Division I professional team in Europe when he earned a spot with FC Hansa Rostock Oberliga in 1990. He completed his career abroad with St. Pauli, German Bundesliga in 1995. In 1996, Caligiuri played for the Columbus Crew of the newly-founded Major Soccer League. In 1997 he was assigned to the Galaxy, where he helped the team become one of the top defensive units in the league. Los Angeles reached the MSL championship game two times while Caligiuri was with the team.

## FEATURED SPEAKER » **C. Mike Jousan**

C. Mike Jousan is an internationally recognized speaker who is one of our nation's experts on communication. In 1988, he founded Clear Communication Company, a consulting firm specializing in all forms of person to person communication. He is the author of the book, "Don't Let The Messenger They Shoot Be You! A Survival Guide For Public Speaking." Jousan knows that presentation skills, public speaking skills, media and communications skills are all learned skills. In his presentations, training sessions and workshops, he describes and demonstrates ways to communicate better so others can learn what to do and what NOT to do. His skill-building methods help participants unlock their own personal and professional potential and begin a process of continuing development in projecting a positive image.

## THURSDAY, JANUARY 22

### » GENERAL SESSION 8:00 - 11:30 am

#### 8:00-8:15 am

#### **Welcome to California Teamin' - 2004**

Bob Campbell, CSFM, STMA President, University of Tennessee

#### 8:15-9:00 am

#### **Soccer - The Player, The Coach and The Field**

Paul Caligiuri, Head Men's and Women's Soccer Coach, Cal Poly Pomona

WHAT YOU'LL HEAR » This presentation will discuss the impact of the athletic field on play, from the coach's perspective and from the player's perspective based on Caligiuri's experience in the collegiate, World Cup and Major League Soccer ranks.

#### 9:00 - 9:45am

#### **Turf Across the Pond - Turf - Can It Be Made in the Shade?**

Keith Kent - Twickenham RFC

WHAT YOU'LL HEAR » This presentation will show the changing face of stadiums in the wake of the Hillsborough Disaster back in 1989. With the advent of all seat stadiums the shade factor has become more and more of a problem as stands became higher and higher. It is only thirteen short years but it is only now that there seems to be some light at the end of the tunnel. In fifteen years at Old Trafford, I saw the stadium change beyond all comprehension to a 68,000 seat, three tiered stadium, with roofs that cut out light, air movement and created a unique micro-climate. Having moved to London, I am now in charge at the home of Rugby. Twickenham is already an

imposing stadium and, with the proposed development of the South stand, light will be at a premium.

#### 10:00-10:45 am

#### **Turf Across the Pond - Where Turf and Technology Meet**

Brian Robinson - Grass Science

WHAT YOU'LL HEAR » This presentation will outline the new technology being adopted by UK sports turf managers in the construction and maintenance of sports turf surfaces. The influence of the UK weather on playing surface preparation and grass sward development will be detailed, along with how environmental data and special maintenance techniques incorporated into the specifications can benefit a construction project.

#### 10:45-11:30 am

#### **Turf Across the Pond - Conquering Modern Constructions**

Dave Saltman - Pitchcare

WHAT YOU'LL HEAR » This presentation will cover changes in pitch construction over the last 15 years, where we have moved from plastic pitches back to grass. With the advent of third generation synthetics, natural grass is now under increased pressure to perform under all conditions throughout the British season. We will explore the developments of machinery and products in both renovation and construction including the modern day approach into stadium pitch maintenance and the use of reinforcement materials to stabilise playing surfaces. Also addressed will be the pressure of increased and regular television scrutiny, higher demand for usage, and the expectations of the viewing public, managers, players and the governing bodies of sport.

### » CONCURRENT SESSION 12:30-3:45 PM

There will be four topics within each of the four Tracks during this concurrent session. The topics will run for 45 minutes each with a 15 minute break between the second and third topics in each Track.

#### » MANAGING FOR DOLLARS TRACK

#### **Re-establishing Your Wear Areas: Budget vs. Performance**

Tim Vanini - Michigan State University

WHAT YOU'LL HEAR » This presentation will focus on challenges. If a sports turf manager has only 70 days to get a sports field ready, what is the quickest way to re-establish these high traffic areas if there is minimal to zero turfgrass cover? How do you accomplish this with a "limited budget?" Furthermore, the windows of opportunity to reestablish turfgrass could be limited due to either use or climate, especially in northern regions of the country. Two of the lower costing practices the sports turf managers has control of, no matter the maintenance level, are mowing and fertilization. Thus the question is raised, "Can a compromise be reached in order to get the optimal strength from the playing surface?" Budget versus performance of the treatments, over the last two years, will be revealed.

#### **IPM: Intelligent Pest Management**

Dr. Frank Rossi - Cornell University

WHAT YOU'LL HEAR » This presentation will focus on the innovative approach to sports field management incorporating intelligent pest management practices. From the non-economic perspective, it will cover such issues as effort, education, flexibility and communication. It also will address the cost-benefit relationship as it impacts issues including field quality, player safety, and environmental soundness.

#### **Making Each Dollar Count**

Mike Tarantino - Poway Unified School District (CA)

WHAT YOU'LL HEAR » This presentation will start with where to begin to develop standards, know the expectations, and know your customer and your staff. Then it will begin at the basics to know your field, starting with soil sampling and irrigation. Then it moves on to equipment and cost to maintain a multi-use field including differ-



# For perfect diamonds as easy as 1,2,3!

## 1. EDGE IT

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



DIAMOND EDGER: MODEL NO. B-DE-20



DIAMOND MASTER: MODEL NO. B-DM-6

## 2. GROOM IT

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

## 3. LINE IT

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



WET LINER: MODEL NO. B-WLM-234



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

CANADA 1-800-325-4871

USA 1-800-665-2696

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

# Bannerman

## THE HOME OF SPORTSTURF MAGIC



ent approaches to fertilization and experimenting with new and old methods to perform renovations.

#### **Developing a Management Plan with a Limited Budget**

Mark Hodnick - City of Claremont, CA

**WHAT YOU'LL HEAR** » Every athlete, regardless of the level, deserves to play on the best and safest field possible, but how do you do this when the dollars are limited and the demands seem unlimited. This presentation will give you ideas on how to set priorities, how to plan ahead, how to work with competing interests and how to develop an affordable management plan and budget and "sell it" to all the stakeholders.

#### **» TURFGRASS SOILS TRACK**

##### **Selecting the Best Root Zone**

Jason Henderson - Michigan State University

**WHAT YOU'LL HEAR** » The stability concern of sand has sparked the development of a number of products to aid in sand and surface stabilization. These products are in the form of soil amendments and in the form of soil inclusions which have been developed to provide a more uniform and stable playing surface. A three-year field study was recently completed at Michigan State University that compared many of the stabilization products to straight sand and sand-soil mixes. All treatments were subjected to two years of simulated football traffic seasons. The objectives of this research were as follows: 1) to compare and contrast the ability of each athletic field system to deliver a resilient and safe playing surface under simulated traffic, 2) to monitor the changes in infiltration rates after each season of traffic, and 3) to evaluate the soil physical properties of each field system and the inclusion/amendment effects on the strength of the root zone. The results of this study will be discussed in detail. Data from this work will help field managers, school administrators, and team owners make informed decisions when choosing the best root zone for their situation.

##### **Turfgrass Cultivation**

Dr. Doug Karcher - University of Arkansas

**WHAT YOU'LL HEAR** » The pros and cons of several types of cultivation practices on sports turf will be reviewed. In addition, the steps involved in developing sound cultivation programs will be discussed, including identifying soil problems and selecting the proper equipment and timing.

##### **Topdressing: What you need to know to be successful**

Dr. James Murphy - Cooks College, Rutgers University

**WHAT YOU'LL HEAR** » To be successful, you must first determine what are you attempting to accomplish with topdressing. Objectives for topdressing include modifying the physical and/or chemical properties of the existing root zone surface, smoothing an uneven surface, aiding establishment of overseeding, anchoring plants, and protecting plant crown and roots. Determining which of these objectives is/are most important for your situation will help in the proper selection of topdressing material, timing and quantity. Success in a topdressing can also depend on the turfgrass species being grown. You will learn about interactions between turfgrass species, soil conditions, and topdressing.

##### **Using High Quality Compost as a Soil Amendment**

Dr. Andy McNitt - Penn State University

**WHAT YOU'LL HEAR** » This presentation will examine the use of high quality compost as a soil amendment focusing on data gathered through the combination of research results and experience in field use situations under varying circumstances.

#### **» SYNTHETIC TURF MANAGEMENT TRACK**

##### **A New Season with Synthetics**

Amy Fouty, CSFM - University of Michigan

**WHAT YOU'LL HEAR** » This presentation will highlight the process that the University of Michigan went through to pick the product and install the new generation of artificial turf. The project will be outlined from start to finish, from selecting gravel to purchasing the proper equipment to maintain the surface.

##### **Natural Turf versus Infill Turf**

Speaker: Dr. Andy McNitt - Penn State University

**WHAT YOU'LL HEAR** » This presentation will review the results to date of ongoing research involving natural turf versus infill turf under various athletic field environments and field management programs.

##### **Topic: Synthetic Surface Heat Studies**

Gilbert Pulley and Dr. Frank Williams - Brigham Young University

**WHAT YOU'LL HEAR** » This presentation will cover a study of the surface and sub-surface temperatures of bare soil, natural turf and synthetic turf and how these temperatures relate to relative humidity, air temperature, time of day, irrigation cycles and light incidence. The surface temperatures of asphalt and concrete also are included under the same conditions and interactions. Also discussed will be some of the barriers to surface cooling (i.e. hydrophobic conditions, poor infiltration and drainage characteristics, temperature rebound after irrigation) and the additional maintenance needed to deal with these factors.

##### **Financing for Construction and Maintenance of Synthetic Fields**

Patrick Maguire - Geller Sport, Boston, Massachusetts

**WHAT YOU'LL HEAR** » In this session, attendees will learn about the capital costs involved in building an infilled synthetic turf athletic field as well as how to prepare a long term cost benefit analysis for infilled synthetic turf vs. natural grass. The information will be presented in case study format using a recent public infilled synthetic turf athletic field project taken from concept through completion.

#### **» GETTING TO THE DIRT OF BASEBALL TRACK**

##### **Selecting a Skin Field Mix**

Mark Hodnick - City of Claremont, MA

**WHAT YOU'LL HEAR** » This presentation is an overview of the different materials available to "skin an infield." From the tried and true materials to the latest you will come away with the information you will need to select the infields mix that is best for you and for your field.

##### **Getting to the Science of Infield Mixes**

Dr. Karl Guillard - University of Connecticut

**WHAT YOU'LL HEAR** » The skinned portions of baseball and softball infields vary widely with respect to soil texture, composition of the construction materials, applied amendments, and added conditioners. These variables influence soil physical properties, which may affect the playability and ball reaction off the surface. This presentation will discuss our current research conducted with five soils at different moisture contents and amended with varying rates of calcined clay on skinned infield surface hardness, surface traction, static ball friction, and dynamic ball friction.

##### **Pitching Mound and Home Plate Management**

Steve Wightman - Qualcomm Stadium, San Diego, California

**WHAT YOU'LL HEAR** » This presentation will discuss the basics and more in a detailed pictorial description of building, preparing and repairing a Major League Pitching Mound and Homeplate area. You'll learn what types of clays are best for construction and maintenance. Attendees also will learn how to set the proper height, slope and distances of the mound as well as how the batter's boxes are maintained for some of the greatest hitters in the Major Leagues.

##### **Infield Management Techniques**

Eric Hansen and Larry Divito - Los Angeles Dodgers

**WHAT YOU'LL HEAR** » In this presentation, attendees will get a view of game day infield maintenance at Dodger Stadium and a detailed look at infield maintenance practices from the end of a game through batting practice set up the next day. We will discuss our overall philosophy of infield maintenance and our approach to providing a quality playing surface at the major league level. This discussion will also include a description of staff levels, infield soils, amendments, tools, and techniques.





# Fielder's Choice

It's hard to go wrong when you're choosing between two new warm-season turfgrass varieties as outstanding as SeaIsle 1 Seashore Paspalum and TifSport Bermudagrass. These two new patented cultivars can only be sold as certified sod or sprigs, and only by a member of a select group of licensed growers. Our top-quality producers have agreed to a stringent set of production practices. This means the grass you buy from a Florida, Georgia or South Carolina grower is going to be the same grass you buy from a Texas or California grower. And it'll be the same 10 years down the road. If you're involved with the installation or on-going maintenance of a sports field, you'll really appreciate how these turfgrasses compare to Tifway 419 and the other older varieties in use today.

While SeaIsle 1 is similar in texture and wear tolerance to hybrid bermudas, it may offer a number of important advantages. First and foremost, it can handle multiple stresses: prolonged drought, high salt levels, waterlogging and extremely high or low soil pH levels. Secondly, SeaIsle 1 can tolerate most types of alternate water sources, including wastewater, effluent, gray water, brackish, and even ocean water blends. It requires less irrigating, less fertilizer and only minimal pesticide applications when compared to other warm-season cultivars. It also handles cloudy conditions and the low light intensity of domed stadiums extremely well. That's why it was such a good choice for the Houston Astros' new field. Take a look at its pluses and specify SeaIsle 1 for your new sports field or renovation project.

**SeaIsle 1**  
 Certified Seashore Paspalum  
[www.seaisle1.com](http://www.seaisle1.com)

Looking for a bermudagrass that can stand up to the stress and demands of big-time sports, to the wear and tear of football and soccer cleats, to the punishment of baseball slides, dives and spikes? Relax; you've found it. TifSport has outstanding color, disease resistance and cold hardiness, too. In fact, TifSport is performing with flying colors as far north as FedEx Field in Landover, Maryland. It's also the Houston Texans choice for their new retractable roof Reliant Stadium. If you're a sports turf manager, you know what's important for a playing field - outstanding density, turf strength and turf quality. You need a grass that recovers quickly from day-in-and-day-out abuse. And that's just what TifSport has been bred to do. Be sure to ask for TifSport certified bermudagrass by name.

**TIFSPORT**  
 CERTIFIED BERMUDAGRASS  
[www.tifSPORT.com](http://www.tifSPORT.com)



## FRIDAY, JANUARY 23RD

### » MORNING SERIES OF WORKSHOPS

Choose one of the ten Workshops during the morning session - 8:00-10:00 AM

#### Job Market Preview

» This session is for students just beginning their turf studies, recent college graduates and seasoned professionals looking for new career possibilities.

#### Professional Facilities Perspective

Raechal Volkening- Milwaukee Brewers Baseball Club

WHAT YOU'LL HEAR » Important steps for students to take while still in school and as they begin a job search will be discussed. Internships, networking, resumes, job posting resources, and job search strategies will be explained. Are jobs available at professional sports facilities? Yes, but how do you find them and secure the job? Key questions to consider when deciding to move into a professional sports position from another area of sports field management will be addressed. Expectations for jobs at both Minor League and Major League Baseball facilities will also be presented.

#### College and University Perspective

Mike Andresen, CSFM - Iowa State University

WHAT YOU'LL HEAR » This segment of the workshop will concentrate on the college and university market. It will review opportunities available to students while in school, as well as opportunities where college athletic programs can utilize students. It will examine the job market at the university level and give insight into how a student can gain employment in this arena. Employment trends and issues will be exposed and discussed.

#### Other Schools Perspective

Jody Gill, Blue Valley School District, KS

WHAT YOU'LL HEAR » This presentation will discuss the multiple requirements of a position in the school system environment and point out what these employers are seeking by focusing on Gill's position as Grounds Coordinator for a large suburban School District. Sports turf management is an important part of his job but he has other equally important responsibilities. The discussion will explore these other areas of responsibility exploring those where a general knowledge is needed of: traffic control and signage, asphalt and concrete maintenance and striping, snow and ice control, exterior lighting, vehicle fleet management, playground safety, public area landscape design and maintenance, stadium systems including sound, lighting, HVAC, plumbing, etc.

#### Parks and Recreation Perspective

Chris Calcaterra, CSFM - City of Peoria, AZ, Sports Complex

WHAT YOU'LL HEAR » This presentation will explore what facility managers are looking for in interns and new hires in experience and schooling. It will address how to ensure internships are beneficial for both parties and review private versus public internships and full time hiring practices. It will look at multi-use sporting facilities and their employment needs. Eyecatching details for resume recognition will be discussed. Also included will be exploration of career advancement within the organization i.e. paying your dues with time and experience and continuing education and professional development with local STMA Chapters and the national STMA.

#### Work Smarter, not Harder:

Floyd Perry, Grounds Maintenance Services for Sports Fields, FL

WHAT YOU'LL HEAR » This workshop will show through slides and verbal interaction over 100 ways to save time - effort - and energy in baseball, softball and turf sports. It will bring attendees into the program through asking for additional ideas that have worked for their staffs. This presentation will feature ground level, every day ideas that the high school recreational or upper division groundskeeper can incorporate into their daily and seasonal calendar. This presentation will encourage you to be innovative and creative in your daily job performance and you will work smarter, not harder.

#### Warm Season Turf 101

Dr. Kent Kurtz - Cal Poly Pomona

WHAT YOU'LL HEAR » This workshop will discuss the growth and development of warm season turfgrasses utilized in the management of sports turf. It will include basic plant structure, function and characteristics used for the selection and identification of the grasses. It will consider the environment and management and how they influence the daily operation of sports turf. It will cover selection of the correct turfgrass for the facility and methods for establishment and maintenance based upon use and the budget, equipment and personnel resources available.

#### Cool Season Turf 101

Mary Owen - University of Massachusetts Extension

WHAT YOU'LL HEAR » Understanding basic growth and development of cool season grasses is fundamental to successful sports field management. This session will focus on: turfgrass plant structure and function; seasonal development of grasses; plant response to environmental influences such as temperature, light, and water; and plant response to traffic and wear. Fine-tuning cultural practices based on turfgrass plant growth in relation to intensity of use will also be addressed.

#### Developing a Sellable Budget

Boyd Montgomery, CSFM - Sylvania Recreation Corporation

WHAT YOU'LL HEAR » In this workshop we will discuss techniques in developing a budget presentation. We will discuss yearly tracking of labor and services for justifications and developing a document that can help upper management understand your operations. Come prepared to discuss your successes and failures and bring examples if you would like.

#### Athletic Field Construction

Dr. James Murphy - Cook College, Rutgers University

WHAT YOU'LL HEAR » This workshop will discuss the pros and cons of the numerous sports field drainage systems used in athletic field construction including the impact on soil fertility and irrigation management. Systems that are simple and inexpensive as well as elaborate and expensive will be covered. Various design criteria for root zones and drainage will be presented. Emphasis will be placed on understanding which forms of drainage are effective based on the given circumstances.

#### Using Reclaimed Water

Dr. Ali Harivandi - University of California Extension

WHAT YOU'LL HEAR » In arid and semi-arid regions and highly populated metropolitan areas, irrigation with reclaimed water is becoming popular, due to water shortages and/or the rising cost of domestic water. The benefits and limitations of using reclaimed water to irrigate sports fields are analyzed in this workshop. Topics include types of reclaimed water, water quality evaluation, irrigation considerations, nutrients benefits, and turfgrass management practices to cope with low-quality reclaimed water irrigation.

#### Managing Native Soil Athletic Fields

Dr. Bob Carrow, University of Georgia

WHAT YOU'LL HEAR » The focus of this workshop will be on stresses that limit turfgrass performance on native soil athletic fields, especially soil physical, soil chemical/fertility, and traffic stresses (wear, soil compaction). Each stress will be discussed with respect to: a) cause, b) identification of the stress, c) prevention/correction options, and d) secondary stress that arise out of the primary problems. Some of the specific stresses include: surface compaction, subsurface layers, problem soils (shrink/swell clays, hard-setting soils, sodic), salinity, organic matter/thatch accumulation, surface/subsurface drainage, pH/fertility problems, influence of poor water quality or use of effluent, low light patterns, from stadium structures, wear stress, and others.



# **SportsTurf**

MANAGERS ASSOCIATION

Experts on the Field, Partners in the Game.

## **NEW MEMBER MANIA!!**

**Join Now - and get up to three months FREE!**

### **BONUS - EVERYONE WINS**

**That's Right! If you sign up RIGHT NOW,  
your membership is in force through December 31, 2004**

## **Get Serious With STMA**

**Use the application card in this issue to begin  
receiving ALL the benefits of being an  
STMA Member!**

**\*Current STMA Members \***

**New Member Mania can benefit you too!**

**Check out the STMA Website ([www.sportsturfmanager.com](http://www.sportsturfmanager.com))**

**for details on the Individual Top Recruiter Awards**

**and**

**The New National Member Chapter Challenge**



### Sand-based Root-zone Management

Dr. John Stier - University of Wisconsin

**WHAT YOU'LL HEAR** » Sand based fields have the potential to provide remarkably superior playing surfaces but are often mismanaged beginning with construction and ranging through to management. During this workshop, pros and cons, construction methods, grow-in, and successful tips for managing sand based fields will be discussed. Details will include sand selection, amendments, grass selection, fertilization, irrigation, cultivation, and topdressing.

### Zoysiagrass Athletic Fields

Dr. Milt C. Engelke - Texas A & M Research & Extension Center - Dallas

**WHAT YOU'LL HEAR** » This workshop will explore the use of zoysiagrasses for natural turf sports fields. To date, the zoysiagrasses have not been the grass of choice, however, advances in cultivar development and cultural practices make zoysiagrass a serious contender for the finest of sporting facilities, domed type stadiums included. Zoysiagrass is a species which is broadly adapted to soil types, structure, chemistry and climates. It is a warm season grass originating from the Pacific Rim regions and which is represented by as many as 11 different species. Only four of the species has adaptability to use for turf, but the areas of adaptation will range from approximately 46° N latitude (Chicago) to 42° S (Tasmania, Australia). New zoysiagrasses have recently been introduced to the market that offer alternatives to bermudagrass, and even many of the cool season grasses used on sports fields today. Yet, they too have their own special management requirements to optimize their durability, longevity and performance. This presentation will examine the cultural practices required, incorporating the results of field studies initiated in the spring of 2001 focused on reduction of thatch accumulation and the reduction of the potential for severe scalping.

### » AFTERNOON SERIES OF WORKSHOPS

Choose one of the ten Workshops during the afternoon session - 3:00-5:15 PM

#### Putting your Turf to Bed

Dr. Dave Minner - Iowa State University

**WHAT YOU'LL HEAR** » Don't abandon your field at the end of the playing season. How the field is "put it to bed" will greatly influence its ability to recover and be ready for the next season. In-season and end-of-season strategies for coring, topdressing, renovation, covers, fertility, seeding and sodding will be presented for both warm and cool season athletic field systems. Traffic tolerance research of species and seeding turf will be presented. A grass systems approach will be used to explain how year-end strategies impact next season performance.

#### Preparing for the CSFM Exam

Mary Owen University of Massachusetts Extension;  
Mike Schiller, CSFM, Van's Enterprises  
and George Trivett, CSFM, Granite Falls, NC, Middle School

**WHAT YOU'LL HEAR** » This workshop presents an overview of the CSFM Exam and provides hints to prepare for taking it. Without giving away specific questions, the presentation team will point out areas the Exam takers should be familiar with. It also will show how the practical, everyday, part of sports turf management can help prepare you for the Exam. If you are thinking about certification, but are nervous about the test, this session is for you.

#### Meeting the Media - How To Session

Steve Wightman - Qualcomm Stadium, San Diego, California,  
and Media Representatives

**WHAT YOU'LL HEAR** » A panel of local media and nationally recognized Sports Field Managers will discuss their respective jobs and the interaction required for each to perform their work. Highlighted areas will include, "What makes a good story", the interaction of the Sports Field Manager and the media as well as, "How to project a positive image". Questions will be entertained from the audience for various perspectives, ideas and, hopefully, solutions.

#### Salt Tolerant Turf

Dr. Ronny Duncan - University of Georgia (retired)

**WHAT YOU'LL HEAR** » With water issues dominating management decisions for managing all recreational turf, use of alternative water resources, all of which contain some level of salinity, is challenging turf performance. Understanding the interaction among the water salt load, soil, climatic interactions, and turf species/cultivar is essential to maximizing sports turf performance. In this workshop you will learn the what/when/where specific details for making management decisions for irrigated turf.

#### Environmental Issues

Debra Swartz, Michigan State University

**WHAT YOU'LL HEAR** » With environmental issues a growing concern for a major segment of the public, field management programs and practices are increasingly in the spotlight. This session will outline guidelines for moving beyond mere compliance with mandated regulations to a proactive approach on environmental issues. Attendees will work on assessing potential environmental impacts at their facilities and look at establishing partnerships with local and state organizations to develop creative solutions to environmental concerns. In addition, this workshop will look at methods of integrating environmentally preferred products into the management program.

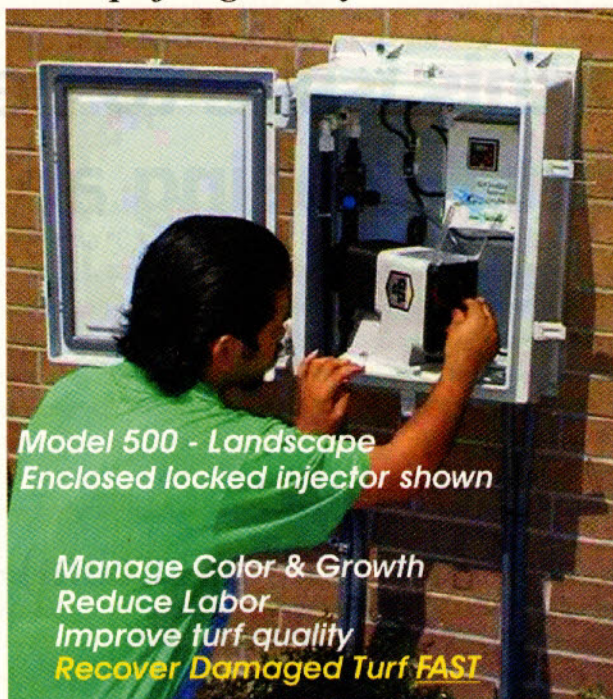
#### What Administrators Want to See in Your Budgets

Keith Bradford - Poway (CA) School District

**WHAT YOU'LL HEAR** » You'll learn how an administrator's thinks. (They do think even though you may not believe it.) You'll get an opportunity to see where administrators are coming from, step into their shoes. Once you have a better understanding of how administrators think you will be able to present a budget in such a way as to increase your odds of getting what you need.

# Fertigation

**Turf Feeding Systems is the leader in golf and landscape fertigation systems - Worldwide**



Model 500 - Landscape Enclosed locked injector shown

Manage Color & Growth  
Reduce Labor  
Improve turf quality  
Recover Damaged Turf FAST

Six Models - Ten Capacities- 3-50 acres

**Call Today (800) 728-4504**

Turf Feeding Systems, Inc.

**WWW.TURFFEEDING.COM**