Dr. Andrew McNitt, The Pennsylvania State University
What you will hear>> The rate of installation of synthetic turf fields in the USA is expected to increase by 20% annually over the next 4 years. Driving this current expansion are the new configurations of synthetic turf surfaces termed 'infill' systems. The session will discuss the various views of Synthetic and Natural Turf.

10:00AM - 10:45AM
NATURAL VS. SYNTHETIC FIELDS: COMPARING THE COSTS
Dr. A.J. Powell, University of Kentucky
What you will hear>> In a specific field situation, which is most expensive to construct, a natural grass field or one of the new Synthetic Infills? The fact is that natural grass, sand based fields may be most expensive to construct and will normally be most expensive to maintain. But how does this initial cost relate to the natural grass (sand based or natural soil) field you presently have? What are you presently spending for maintenance, renovation, testing for safety and performance, repair, etc? Do we even know what maintenance costs are normally incurred with the Synthetic Infills? There is no simple solution to cost comparisons and one must look at initial need, traffic demand for the field and how much natural grass wear you can afford?

10:45AM - 11:30AM
NATURAL AND SYNTHETIC TURF - QUESTIONS AND ANSWERS
What you will hear>> Panelist Mike McGraw, Dr. Andy McNitt, Dr. A.J. Powell, Steve Wightman, and Vince Patterozzi will debate and discuss the advantages and disadvantages of Natural and Synthetic Turf.

11:30AM - 12:15PM
Keynote Speaker >> RON SANTO
What you will hear>> RON SANTO... a living legend. As a third baseman he won 5 Rawlings Gold Glove awards during his 15-year major league career. He was a 9-time National League All Star selection, batting .277 during his career with 342 home runs and 1,331 RBI. Santo hit 337 homers with the Cubs, the fourth highest total in club history. He also ranks among the Cubs all-time top 10 in games played, at bats, runs scored, hits, total bases, doubles, RBI and extra-base hits. He was a member of the inaugural Cubs Walk of Fame Class of 1992 and was selected to the club’s all-century team in 1999.

On September 28, 2003, his uniform number 10 was retired by the Cubs. Santo is a member of the inaugural Cubs Walk of Fame Class of 1992 and was selected to the club’s all-century team in 1999. On September 28, 2003, his uniform number 10 was retired by the Cubs. Santo is a member of the Board of Directors of the Juvenile Diabetes Foundation and his 25th annual Ron Santo Walk for the Cure raised over $4.2 million for diabetes research in 2003. Ron is currently in his 15th season as a WGN Radio color commentator for the Chicago Cubs.

Concurrent Session 12:30PM - 3:45PM
There will be 4 tracks with 3 presentations in each, lasting 45 minutes each.

Track #1 - Cool Season
SELECTING COOL SEASON SPECIES AND VARIETIES FOR SPORTS
Dr. Leah Brilman, Seed Research of Oregon
What you will hear>> This presentation will help you to select the best cool season species and or variety based upon level of use, season of use and maintenance budget. Also learn new strategies in repairing existing fields.
An impressive ballpark needs an impressive field, and I got that with Bull's-Eye. Here we are in April, and the grass is growing like it's July. I'm very happy with what I have seen so far.

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Opening Day, April 8, 2004

Let’s Talk Turf.

- Deep blue green color
- Resists scalping
- No seed heads
- Better in shade
- Excellent wear tolerance

Just ask the pros!

Luke Yoder
Director of Field & Landscape Maintenance
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home of the San Diego Padres
San Diego, CA

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speakers

DEVELOPING A BUDGET STRATEGY AND IMPLEMENTING A FIELD MANAGEMENT PLAN
John Netwal, CGCS, North Scott Schools, IA

What you will hear: In this session you will explore how to develop a budget strategy and implement a field management plan for cool season fields.

POA ANNUA CONTROL STRATEGIES
Jeff Borger, The Pennsylvania State University

What you will hear: This session will explore different tactics and strategies of how to control Poa annua in sports fields.

Track #2 - Warm Season
SEEDED BERMUDAGRASS FOR ATHLETIC FIELDS
Dr. Charlie Rodgers, Seeds West

What you will hear: Seasonal preparation of warm season turf grass in the transition zone with an emphasis placed on sand based profiles and the maturation of various root zones over a ten year period. Fields to be analyzed will be a soccer field, a baseball INF, and a football field.

VEGETATIVE BERMUDA GRASS FOR ATHLETIC FIELDS
Dr. Mike Richardson, University of Arkansas

SEASHORE PASPALUM
Chuck Pula, City of Winter Springs, Florida

What you will hear: New varieties offer alternatives to Bermudagrass for sports fields. Program presents pros and cons of this turf. Also will review ideal and limited budget programs for parks and rec personnel.

Track #3 - Environment
PESTICIDE ISSUES AND SOLUTIONS AT NORTH ROCKLAND CENTRAL SCHOOL DISTRICT
Kevin Trotta, North Rockland Central School District

What you will hear: Healthy fields are generally safer fields and yet some are questioning the safety of management practices, especially with children, is the use of pesticides. New York has some of the toughest regulations in the nation. A NY turf manager addresses the controversy.

CHEMICAL FREE PLAYING FIELDS
Paul Sachs, North County Organics Ecological Turf Consultants

What you will hear: Managing playing fields without chemicals is not difficult if they aren’t required to look like an NFL arena. Controlling the majority of weeds, insect, and diseases is easier than controlling all of them. Tolerance thresholds are also discussed as they, more often than in the pest, determine the need for pesticides. This talk exercises practices and some of the botanical and biological pest control products available to managers.

PHOSPHORUS USE ON ATHLETIC FIELDS AND RELATED WATER QUALITY ISSUES
Dr. John Stier, University of Wisconsin

Track #4 - Research You Can Use
RESEARCH PROGRAM UPDATE
Dr. Dave Kopec, University of Arizona

What you will hear: Herbicides for spring transition from rye grass to Bermuda. Salt grass update.

GARDUATE STUDENT SCHOLARSHIP WINNER RESEARCH PROJECT
What you will hear: Students will discuss their winning research projects.

FRIDAY, JANUARY 21

Concurrent Session 8:00AM - 10:00AM
There will be 3 presentations in each of 4 tracks, lasting 40 minutes each.

Track #1 - Schools K-12
IMPLEMENTING AND OVERSEEING MAINTENANCE CONTRACTS OPTIONS
Bill Sturgill, City of Scottsdale

PRACTICAL APPLICATION AND CALIBRATING TECHNIQUES
Tom Samples, University of Tennessee; Jeff Borger, The Pennsylvania State University

What you will hear: This session will discuss how to calibrate Liquid sprayer and granular spreaders.

THE HANDS-ON APPROACH TO TURF NUTRITION
Joe Traficano, CGCS, West Coast Turf

What you will hear: This session will give you the basic approach to common sense use of fertilizer. Lawns, parks, high traffic areas, and athletic fields will be addressed along with basic fertilizer applications and calculations.

Track #2 - Parks & Rec
PREVENTATIVE EQUIPMENT MAINTENANCE
Phil Paquin, SIP Universal Gear

What you will hear: Principles of preventative equipment maintenance.

IRRIGATION PRINCIPLES
Richard Templeton, Water Resource Specialist

What you will hear: The Discussion of Water management practices that everyone can understand. Sometimes in this day and age with computer systems we tend to forget the basics of water management practices. He will discuss sprinklers, valves and controllers and teach you to maintain them properly.

PARK MAINTENANCE ANNUAL PLAN
Dr. Dave Kopec, Plant Science Specialist

Track #3 - Professional Fields
BIOSTIMULANTS AND MICROBIAL NETWORK IN NATIVE SOIL AND SAND-BASED SYSTEMS
Dr. David Zuberer, Texas A&M University

What you will hear: This presentation will address the nature of microbial populations in managed sand-based sports turfs and native soils. He will discuss data from several sports fields for which he has monitored microbial populations for several years. Dr. Zuberer puts soil microbiology in a realistic perspective and illuminates the challenges of microbial preparations.

PREPARING AN OLYMPIC FIELD- ATHENS, GREECE
Dr. John Rogers, Ill, Michigan State University

What you will hear: This session will develop the circumstances and critical thinking that went into determining the field construction issues for the 2004 Olympics in Athens, Greece.
Synthetic Turf Groomer with GreensSlicer® Spring Tine Rake.

Fast, Efficient Grooming of all filled synthetic sports fields!

FEATURES and BENEFITS

• Synthetic Sports Turf Groomer works with all fill material currently used, in both wet and dry conditions.
• Patented brush design lifts turf fibers leaving them in a plush, upright position. Brushes move fill to low spots or depressions left after play.
• Synthetic Super Duty Blue Brushes retain their original shape, resist wear, and will not rot.
• GreensSlicer Spring Tine Rake consists of 3 rows of 28 tines spaced 7/8 inch apart for thorough coverage.
• Each row of tines may be adjusted to the desired level of aggressiveness.
• The GreensSlicer combs through the fill material, relieving compaction and assuring a soft, level playing surface.

Synthetic Super Duty Blue Brushes
Resist wear and will not deteriorate from moisture.

GreensSlicer Spring Tine Rake
3 rows of 28 tines.

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MANAGING BANK ONE BALLPARK
Grant Trenbeath, Arizona Diamondbacks
What you will hear>> Head groundskeeper for Arizona Diamondbacks will discuss the techniques for managing this unique baseball facility and how he integrates other activities in this multi-use facility.

Track #4 - College/University
MANAGING COOL AND WARM SEASON GRASSES FOR COLLEGE SPORTS
Mike Andreassen, CSFM, Iowa State University; Jimmy Rodgers, CSFM, University of Virginia
What you will hear>> This workshop will discuss the growth and development of warm season and cool season turf grasses used in managing sports turf.

BIOSTIMULANTS AND MICROBIAL NETWORK IN NATIVE SOIL AND SAND-BASED SYSTEMS
Dr. David Zubere, Texas A&M University
What you will hear>> This presentation will address the nature of microbial populations in managed sand-based sports turfs and native soils. He will discuss data from several sports fields for which we have monitored microbial populations for several years. Dr. Zubere will attempt to put soil microbiology in a realistic perspective and will discuss the challenges of achieving success with microbial preparations.

THE FIRST ONE-PIECE MOVEABLE FIELD IN THE US
Tim Peterson, Arizona Cardinals
Mike Lloyd, CMX Sports Engineers
What you will hear>> Come and see the tray construction structure- the movable system with motors-wheels rails- drainage system, root zone mix- grass and irrigation. The selection of root zone mix-grass and drainage system and the mock tray section built at the Cardinals Training Facility will be discussed.

Afternoon Workshops 3:00PM - 5:15PM

HOW TO BE MEDIA SAVVY
Arizona State University Athletic Department
What you will hear>> What makes a good story? This workshop will discuss how to interact with the media and position your stories for coverage.

MAKING PROFESSIONAL PRESENTATIONS
Jeff Fowler and Dan Brockett, Penn State Cooperative Extension
What you will hear>> You are an expert on the field Sports Turf Management. During this workshop we will be talking about the proper ways to make a presentation that will best help you share your knowledge. We will be looking at the basics of writing a script, putting together a talk, pictures, and many more aspects of making a high quality presentation.

EXPERIENCES WITH RUBBER INFILL SYSTEMS- PANEL DISCUSSION
Panelist Steve Wightman, Qualcomm Stadium, Vince Patterozzi, Baltimore Ravens and Jay Warnick, CSFM, BYU-Idaho
What you will hear>> Panel will discuss their experiences with Rubber Infill Systems.

BUILDING SPORTS FIELDS: AVOIDING DESIGN, CONSTRUCTION AND MAINTENANCE PROBLEMS
Jim Puhalla, Sportscape International Inc.
What you will hear>> The steps in designing and reconstructing most commonly used sports fields. Get involved in the process—the steps include: #1 surveying an existing field; #2 reviewing over typical designs; and #3 exploring common design errors and solutions. You will take part in the designing and reconstructing of two actual fields including layout, proper slope, types of equipment used, irrigation and subsurface drainage.

PREPARING AN AWARDS ENTRY
Tim Moore, CSFM, Mayo Ballfields Svcs., and Steve LeGros, University of New Hampshire
What you will hear>> The workshop is designed to help those who might have hesitated previously about entering a “Field of the Year” contest. Moore and LeGros share what judges are looking for. Examples available of presentation packets and acceptable photos, and see how to better produce a great entry.

MANAGING HEALTHY SPORTS FIELDS: A GUIDE TO USING ORGANIC MATERIALS FOR LOW-Maintenance AND CHEMICAL-FREE PLAYING FIELDS
Paul Sachs, North Country Organics Ecological Turf Consultants
What you will hear>> Examines the ecosystem in which turf grows and some of the fundamental mechanisms that contribute to the health and welfare of turf plants. Understanding more about this system can help us make better-informed decisions about our inputs and cultural practices.

SAND ATHLETIC FIELD MANAGEMENT AND DEALING WITH THE ORGANIC LAYER
Dr. John Sorochan, University of Tennessee

PREPARING FOR THE CSFM EXAM
Mary Owen, U Mass Extension
George Trivett, CSFM, Granite Falls Middle School
Mike Schiller, CSFM, Sodexo-Lake Forest Academy
What you will hear>> This workshop presents an overview of the CSFM Exam and provides hints to prepare for taking it. Without giving any specific questions, the presentation team will point out areas the Exam takers should be familiar with. It will also show how the practical everyday part of sports turf management can help you prepare for the Exam. If you are thinking about certification, but are nervous about the test, this session is for you.

INTERNSHIP PROGRAMS:
MAKING THEM WORK FOR STUDENTS AND EMPLOYERS
Rachel Volkeling, Milwaukee Brewers and
Greg Elliott, Lake County Captains
What you will hear>> The ideal partnership for intern programs for both the student and employer will be discussed.

UNDERSTANDING A SOIL TEST REPORT AND DEVELOPING A FERTILITY STRATEGY
Dr. Tony Koski, Colorado State University
What you will hear>> Learn how to read and understand a Soil Test Report and develop a Fertility Strategy.

SATURDAY, JANUARY 22

Concurrent Sessions 8:00AM - 12:30PM
4 tracks; will include one 15-minute break

Track #1 - Irrigation Audit and Field Analysis for Sports Fields
Dr. Dave Hoppe, University of Arizona
Clear snow and spread sand or salt in one pass using the Toolcat™ 5600 equipped with Bobcat angle broom and spreader attachments.

The SNOW Specialists!

A300 All-Wheel Steer Loader with Snow V-Blade
V723 VersaHandler® TTC with Snow Bucket
MT52 Mini Track Loader with Snowblower
S300 Skid-Steer Loader with Snow Blade

Toolcat 5600:
Four-wheel drive and great weight distribution for more traction and pushing power.

All-Wheel Steer Loader:
Steerable axles allow you to direct tractive effort, minimizing sliding when pushing snow.

VersaHandler TTC:
Move large volumes of snow and pile it higher than a one-yard loader.

Mini Track Loader:
Easy to operate, economically priced. Access small spaces with ease.

Skid-Steer Loaders:
Two-speed option increases snow blade performance by rolling the snow rather than just pushing it.

Attachments:
Princess 77 Helps New Mexico State Develop a Strong Field for Their Team

Dr. Arden Baltensperger (left) and Dr. Bernd Leinauer, Turfgrass Specialists at New Mexico State stand on the football field 50 days after the grounds crew renovated it with Princess 77 hybrid bermudagrass from seed.

Why Plant Princess 77?
- Turf quality equal to the best vegetative varieties in the industry
- Requires 21% less water than Tifway (419)
- Provides an easy, cost effective tool for renovation projects

Following their first undefeated season at home, the New Mexico State University Aggies were looking to start the 2003 football season with their second consecutive home opening win. However, the players weren't the only people preparing for the upcoming season. The responsibility of having the field ready for play by the first snap of the ball fell on the shoulders of Bud Jones and the New Mexico State Grounds Crew.

Removal of the existing ryegrass revealed an 85 - 90% loss of Tifway (419) on the field. Renovation of the field using Princess 77 hybrid bermudagrass from seed solved the problem. 50 days later, the field was pronounced to be "at full density and in excellent condition." According the the grounds crew, Princess 77 held up "remarkably well" to the traffic of the first game.

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STMA
RISING IN PHOENIX

speakers

Track #2 - Soils 1) water infiltration, soil structure, and the use of gypsum, 2) soil salinity management, 3) nutrient use and management

Dr. James Walworth, University of Arizona
and Dr. Norm Hummel, Hummel & Co., Inc.
What you will hear-> This workshop will cover properties of soil that affect water infiltration, water-holding capacity, and plant-available water and how those soil properties can be managed to improve turfgrass performance. You will explore management of soil salinity and learn the importance of leaching salts, and the use of gypsum. Also learn about turfgrass nutrient requirements and nutrient and fertilizer management.

Track #3 - Fertilizers for Sports Fields / Fertilizers and Plant Interactions
Brad Jakubowski, University of Nebraska,
Dr. Tom Samples, University of Tennessee
What you will hear-> Sports turfs require balanced nutrition. Information presented during this hands-on workshop is intended to help managers maintain healthy turfgrasses by selecting and applying fertilizers that will deliver the desired results within budget.

Track #4 - Weed Identification and Control
Kai Umeda, University of Arizona
What you will hear-> This workshop will cover the basics of weed identification to focus on the complex interaction of weeds and turf in differing soil profiles under various field use levels, maintenance programs and environmental conditions. Attendees also will examine samples of turf treated with various chemical weed controls to observe the effects of treatment.

General Session 1:30PM - 2:15PM

KEYNOTE SPEAKER - THE EASY SIDE OF SPORTS TURF MANAGEMENT: PRESENTING A PROFESSIONAL IMAGE
Kim Heck, STMA Executive Director
What you will hear-> Take charge of your career by making a personal commitment to professionalism. We live in an image-conscious world in which presentation is critical—it just isn't enough to work hard. You'll learn easy tips on how to enhance your professional image at your facility. Portraying a high level of professionalism can influence how others view you and add to your credibility as a sports turf manager.

Round Table Discussions 2:15PM - 4:00PM

Each topic will be repeated three (3) times, for 30 minutes at a time, with a 5-minute "move" period in between. Participants may choose the topics they wish to discuss, with a three (3) topic limit. Each discussion will be attendee driven based on the issues that are raised by the participants in each of the groups within their 30 minutes session.

POA CONTROL
Jay Warnick, CSFM, BYU-Idaho

BEING YOUR OWN RESEARCHER
John Netwal, CGCS, North Scott Schools, Iowa

TRAFFIC REMEDIES
Mike Schiller, CSFM, Sodexho-Lake Forest Academy

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18 November 2004

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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.

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ONLINE AGRONOMIC TOOL

Syngenta Professional Products has updated and enhanced its customizable online management tool, GreenCast (www.greencastonline.com).

This unique 30-year-normal disease mapping resource is designed to help turf managers:

* Plan for the likelihood of destructive diseases like anthracnose, dollar spot, brown patch or pink snow mold.
* Track disease pressure movement and plan preventive applications.
* View data that shows the predictive averages of turf disease onset in a particular geographic area, using historical data.

Other recent enhancements to the GreenCast Web site include:

* Higher-precision pest forecasting maps that are updated more frequently.
* Improved navigation and quicker access to the information turf professionals need.

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