

TORO.

Everything



www.Toro.com/InfieldPro

Introducing the revolutionary Toro" Infield Pro. With its patent-pending Quick Attach System (QAS), operators can switch out most of the 17 front and rear mid-mount attachments in seconds. Realize the true potential of your equipment with the right tool for the job. The new Infield Pro with QAS, this changes everything.

> Storr Tractor Company Somerville, NJ • 908-722-9830



WELCOME NEW & RENEWED SFMANJ MEMBERS

Currently we have 287 new & renewed members. In the beginning of November, SFMANJ mailed invoices for 2006 membership dues to all current members. If you did not receive an invoice, please contact us at 908 730-7770 or download the 2006 membership form available at www.sfmanj.org. Remember to mail your renewal/payment direct to SFMANJ, PO Box 370, Annandale, NJ 08801.

Allen, Tom Almendinger, Bill Andrews, Karl Babb, Don Bailey, James Beachy, Scott Bokmeyer, Jonathan Bradley, Steve Burns, David Caputo, Virgil Casey, James W. Cottrell, Harry C. Cramer, Jeff Cromwell, Jr., Norman Monroe Township Piscataway Twp. Board of Education Holmdel Township Parks & Recreation Washington Township Parks & Recreation Holmdel Township Parks & Recreation Millstone Township Rutgers University Storr Tractor Co. Holmdel Township Parks & Recreation Monroe Township Lakewood Township North Plainfield Board of Education Individual Membership Washington Township

(continued on page 9)

SRIANJAnseni Massbernish Registration Form * receive spinis information by case
Hame,
Englajet
Address
City
šinin 2 ₂
County
Pleane Pex
*B-mail
Signature
indhiwi
Associate
Crossical of million \$15 Additional member from facility \$25
Germercla/Gontractor/Vender/Suppler
Statist\$15
Please pay membership dues diracily to SFMANJ. Do not sent SPMANJ dues to National STMA.
Send with Check or youcher tax
RFMANJ F.(L. Har 376 Assessible, RJ 00001

2006 SFMANJ Board of Directors

DIRECTORS

Jeff Cramer	Storr Tractor Co. New Jersey Turfgrass Association Total Control, Inc.
	Čity of Bayonne
	County College of Morris
Sean Connell	Georgia Golf Construction
Joe Warner, CSFM	SFMANJ
Advisor:Dr. Ja	ames Murphy, Rutgers University
Past President:	Eleanora Hermann, CRS Washington Twp. Parks & Rec.
Executive Secretary:	Kathie Hopfel

MISSION STATEMENT:

Committed to enhancing the professionalism of athletic field managers by improving the safety, playability and appearance of athletic fields at all levels through seminars, field days, publications and networking with those in the sports turf industry.

> Contact us at: PO Box 370 • Annandale, NJ 08801 Web site: www.sfmanj.org Email: hq@sfmanj.org Ph/fax: 908-730-7770

> National Organization Sports Turf Managers Association

www.sportsturfmanager.org Email: stmainfo@sportsturfmanager.org **Phone: 800-323-3875**

Inside This Issue

Welcome New & Renewed Members	
Membership Form	
SFMANJ Board of Directors	
Rutgers Corner	
2006 Proud Sponsor Directory	
Field of the Year	
White Grubs in Athletic Field Turf	
Biology and Management	
Building a Better Toolbox-Tools You Can Use! Part 416	
Calendar of Events	

This newsletter is the official bi-monthly publication of the Sports Field Managers Association of New Jersey.

For information regarding this newsletter, contact: SFMANJ at (908) 730-7770 or Brad Park at (732) 932-9711, x127

> Editor Brad Park, Rutgers University Email: park@aesop.rutgers.edu

SFMANJ does not necessarily support the opinions of those reflected in the following articles.

RUTGERS CORNER -LATE SPRING/SUMMER TURF ESTABLISHMENT Brad Park*

In New Jersey and throughout the Mid-Atlantic and Northeast, the ideal time to establish cool season turfgrass species from seed is late summer through early fall (August 15-October 1). Weather can be dry at this time of year, allowing for ideal conditions to cultivate soils, prepare seedbeds, and apply seed. Soil temperatures are such to allow rapid germination of seed and vigorous growth assuming adequate supply of water and proper soil fertility. While annual bluegrass encroachment can be a serious problem associated with this establishment timing, summer annual weeds such as crabgrass, goosegrass, and prostrate knotweed are typically not germinating in late summer though early fall.

Despite intense field use in late summer and throughout the fall, seed can still be introduced to a sports field. While not as effective as slit-seeding methods, sports field managers have found success by simply applying seed through a rotary spreader before a game and allowing athletes "cleat-in" the applied seed and thus achieve seed-to-soil contact. Perennial ryegrass is an excellent species choice for this type of establishment procedure. To access the Rutgers Cooperative Research and Extension Fact Sheet **Perennial Ryegrass Varieties for New Jersey Sports Fields** visit www.rcre.rutgers.edu/pubs

If late spring and summer is the time in which turf estab-

lishment is chosen, it must be recognized that the chances of a seeding failure are high. The pressure from summer annual weeds can be very high, particularly if the site has been plagued with crabgrass, goosegrass, and knotweed in previous years and the weeds have been allowed to set seed the previous fall and subsequently replenish the soil seed bank. Tupersan (siduron) is a preemergence herbicide that may be applied at the time of seeding and will provide a level of crabgrass control without inhibiting cool season turfgrass establishment. Tupersan is not labeled for preemergence control of goosegrass.

Summer annual grassy weeds may need to be treated with a postemergence herbicide to produce a clean turfgrass stand and guard against these weeds producing additional seed in the fall. Products such as MSMA, DSMA, Drive (quinclorac) and Acclaim (fenoxaprop) are postemergence products that should be considered for this use. Note that the phytotoxic effects of these herbicides on cool season turfgrasses will be dependent upon specific turf species as well as degree of establishment and while products such as MSMA, DSMA, and Drive are effective on immature crabgrass, these products will not control goosegrass. Acclaim will control goosegrass as well as multi-tillered crabgrass. The above listed Rutgers Cooperative Research and Extension website provides access to the Fact Sheet Crabgrass and Goosegrass Control in Cool Season Turfgrass authored by Dr. Steve Hart, Extension Specialist in Weed Management in Turfgrass and Ornamentals, Rutgers Univ. This document provides detailed information on these products and is an excellent reference to assist in product choice.

(continued on page 5)



RUTGERS CORNER (continued from page 4)

For a late spring/summer establishment project, the access to irrigation is critical. Even if favorable weather allows for seedbed preparation, seeding, and initial germination in lieu of irrigation, the onset of hot summer temperatures will kill young immature turfgrass seedlings if supplemental water is not available when needed. If irrigation is not available, the best option is to delay the seeding project to late summer/early fall and utilize a mulch such as straw following seeding to assist the soil surface in retaining moisture.

Summer turfgrass establishment is especially prone to diseases caused by *Pythium* and *Rhizoctonia* spp. *Rhizoctonia* is the fungal organism that causes brown patch. The collective term for the effects of these seedling diseases prior to and following turfgrass germination is 'damping-off.' Hot and humid weather, excessive soil moisture, and over-fertilization with nitrogen (N) create an environment where these diseases can flourish. These diseases can be difficult to prevent during the summer as hot temperatures and oppressive humidity are beyond a sports field manager's control. There is a fine line between keeping a seedbed moist and over-irrigating and as well as ensuring adequate N is available to new seedlings and applying too much N as to promote diseases such as *Pythium* and brown patch.

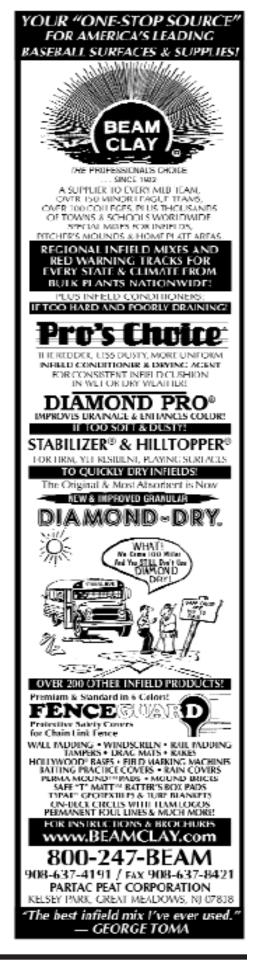
Functional stream of combating turfgrass diseases as part of summer establishment, particularly where excessively hot and humid temperatures are in the forecast. Subdue GR (metalaxyl) is one such fungicide that can be applied following seeding to prevent Pythium. This is a granular formulation and can be applied with conventional spreading equipment. The Rutgers Cooperative Research and Extension Fact Sheet **Plant Disease Control: Chemical Control of Turfgrass Diseases** is available for download at the previously mentioned website and provides additional chemical control strategies for turfgrass diseases.

The drawbacks of late spring and summer turfgrass establishment are numerous and the chances of seeding failure are high for reasons detailed above. Textbooks authored when turfgrass science was in its infancy made the case for late summer and early fall establishment of cool season turfgrasses. In 2006, the case is still strong.

> *Brad Park is Sports Turf Res. & Ed. Coor., Rutgers Univ.; SFMANJ Board member; and Editor, SFMANJ Update



Railbirds – Field Day attendees line-up along the inside rail to listen to Dr. James Murphy, Rutgers Univ. (left) elaborate on the Monmouth Park turf course reconstruction as part of SFMANJ's Spring Field Day 2006.



A Look Back at SPRING FIELD DAY 2006 (continued from page 1)

County followed with a presentation explaining how weeds can be indicators of turfgrass problems and chemical and non-chemical approaches to control weeds.

The Field Day moved outside where Fred Castenschiold, Storr Tractor Co. described various pieces of equipment that can be used to improve sports field playability. Jim Hermann, CSFM, Total Control, Inc. provided information on maximizing surface drainage across the turfgrass and skin portions of baseball infields.

Scott Bills, Northern Nurseries sponsored and arranged a hands-on pitchers' mound construction demonstration utilizing clay bricks. Facilitated by Ron Martin, Mar-Co Clay Products, Inc., various Field Day attendees got the opportunity to participate in the construction of the Shore Regional HS mound.

Next on the agenda was a short car ride over to Monmouth Park Racetrack, a thoroughbred racing facility appropriately nicknamed, "The Shore's Greatest Stretch." Lunch was served on the 3rd floor of Monmouth Park's venerable Clubhouse and was sponsored by Storr Tractor Co. and Northern Nurseries.

Dr. James Murphy, Rutgers Univ., a primary consultant involved in the design and construction oversight of the new turf course, gave a unique tour of the reconstructed thoroughbred turf course. The tour began on the front stretch and moved to a newly constructed racing chute. A second racing chute was incorporated into the reconstruction to create a new starting point for races. Discussion included the rationale for utilizing existing topsoil, the inclusion of a largely sand material used in septic systems to serve as a new sub-base, re-contouring the racing surface to allow more racing lanes and greater banking in the turns, and future turfgrass management strategies.

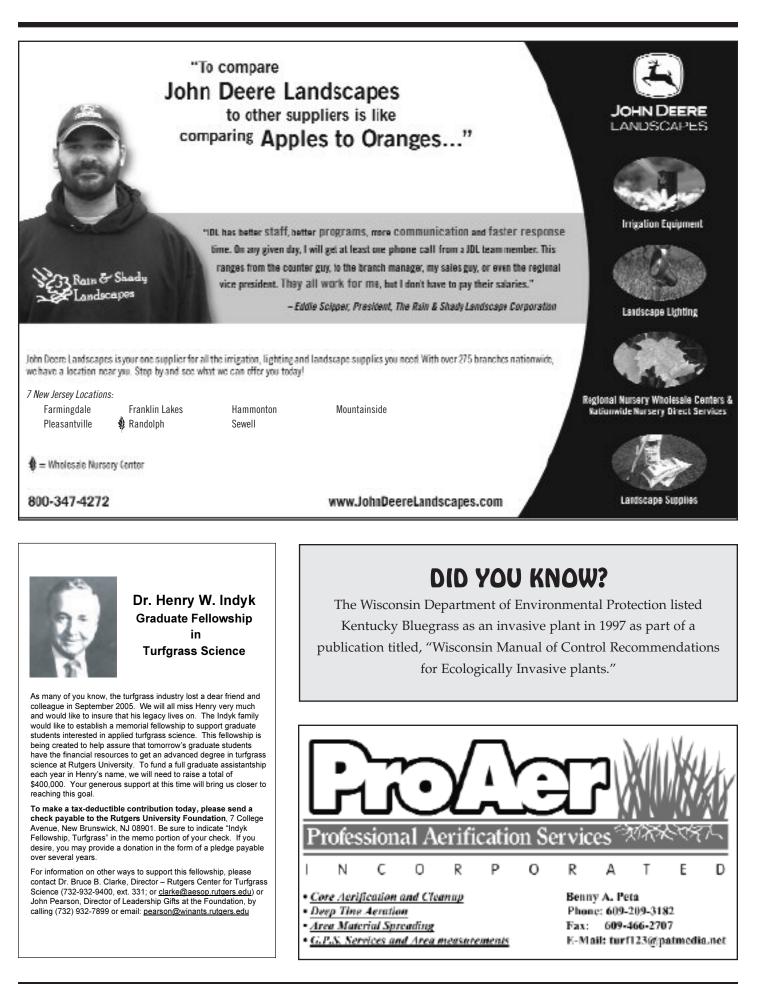
The tour concluded with a walk down the track's original racing chute and the opportunity to witness the final stages of the construction process. Field day attendees observed Tuckahoe Turf Farms installing big roll sod consisting of a tall fescue/Kentucky bluegrass mix.

The Monmouth Park turf course is being reconstructed in preparation for the track's hosting of the Breeders Cup in October 2007.

A hallmark of SFMANJ's Spring Field Day is strong attendance and the networking opportunities that come with many sports field managers gathering in one setting. This year's Spring Field Day lived-up to the SFMANJ tradition.

* Brad Park is Sports Turf Res. and Ed. Coor., Rutgers Univ.; SFMANJ Board member; and Editor, SFMANJ Update





2006 Proud Sponsor Directory

US ATHLETIC FIELDS, INC.

Sports Field Maintenance, Renovation & Construction John McKnight and Bill Siegel PO Box 38 – Skillman, NJ 08558 609-466-2846 Fax: 609-466-1808 john@usathleticfields.com

STORR TRACTOR COMPANY

Turf, Irrigation and Ballfield Equipment Sales: Fred Castenschiold, Kevin Hoban, Steve Bradley 3191 Highway 22 Somerville, NJ 08876 908-722-9830 Fax: 908-722-9847

TOTAL CONTROL, INC.

Athletic Field Consulting & Management Jim Hermann, CSFM PO Box 422 - Lebanon, NJ 08833 (908) 236-9118 totalcontroljim@earthlink.net

WILFRED MAC DONALD, INC

Turf Equipment/Irrigation Sales-Bernie White, Mike Clifford, Tim Kerwin 19 Central Blvd., S. Hackensack, NJ 07606 888-831-0891 ex 114 Fax: 201-931-1730 sales@wilfredmacdonald.com

PARTAC/BEAM CLAY

Your "One-Stop Source" For Baseball and Sports Turf Surfaces & Supplies! Kelsey Park, Great Meadows, NJ 07838 (800) 247-BEAM, (908) 637-4191 Fax (908) 637-8421, partac@goes.com

FISHER AND SON CO., INC.

Superior Products for the Turf and Horticultural Professional Agronomic Services, Fertilizers, Seed, and Control Products Jeff Borajkiewicz (609) 532-4837 Bruce Cadenelli (732) 245-2599 Brian Robinson (484) 886-0021

BEN SHAFFER & ASSOCIATES

Park, Playground and Streetscape Solutions Serving NJ since 1921 State Contract Vendor 800-953-2021 Website: www.benshaffer.com

Put your ad here:

To become a Proud Sponsor Call 908-730-7770 \$150 for one year

THE GREATEST TEAM ON TURF!!

Wilfred MacDonald is your team when it comes to athletic field equipment. We offer a wide variety of equipment from striping reel and rotary mowers to athletic field conditioners, line stripers, groomers, top dressers, aerifiers and more! Our comprehensive line of Jacobsen, Smithoo, Turfoo, National and Vertidrain gives you the largest variety of turf equipment to choose from! Contact your sales representative today for a demonstration!









TURFCO

HIT ON AL BOARD COPANY

Wilfred MacDonald, inc 19 Central Boulevard South Hackensack, NJ 07606 888-831-0891 www.wilfredmacdonald.com Sales Representatives: Bornio White Mike Clifford Tim Kerwin Mike Petrine



(continued from page 3)

WELCOME NEW & RENEWED SFMANJ MEMBERS

Csech, Karen Delpeche, Yves Dix, Kenneth Erickson, Robert Fanner, Will Finucan, Dan Fisher, Thomas Lee Frey, George Fulton. Jav Gartner, Edward George, Lawrence Goble, Fred Grieb, Bob Hedges. Steve Hermann, CRS, Eleanora Herner, Art Jacheo, Frank Kosut, Jon LaLena, David Mac Donnell, Colin Manning, Robert Mateyka, William Mathis, Ken Mecsey III, Joseph Meola, Brian Mergenthaler Jr., Darvl

Profile Products Orange Township DPW Lakewood Township DPW Bordentown, City of Old Bridge Township Holmdel Township Parks & Recreation Complete Lawn Service, Inc. Fair Lawn Parks & Recreation Monroe Township Ho-Ho-Kus, Borough of DVH Athletic Turf Washington Township Parks & Recreation Spring Lake Heights Borough Mansfield Township Washington Township Parks & Recreation Spring Lake Heights Borough Individual Membership County College of Morris Philadelphia Turf Co. Ramapo College of NJ Piscataway Twp Board of Education Old Bridge Township Brick Township Greenwich Township DPW Washington Township Parks & Recreation Individual Membership

Morgan, Larry Olivi, Carl Osborn, Robert Parker, CPWM, J. Casey Paul, Albert Pedatella, Bob Pendle, Richard Perdomo, Pedro Perdun, Bud Pierce, Harold S. Pitcher, Joseph Ravaschiere, Frank Regec, Stephen Saner. James Sinclair. Ed Stephens, Eric Tighe, Denis Torpey, Tom Toth, Steven Van Brunt, John Van Drumpt, Peter Warner, Jack Warner, Joseph, Watson, Richard Wilcenski. Tony Young, Robert

Tuckahoe Turf Farms Inc. Piscataway Twp Board of Ed Barnegat Township Schools Lacey Township Ridgewood Village Kodiak Landscape Design, Inc. Florence Township **Rutgers Cooperative Extension** North Brunswick Board of Ed. Winslow Twp. Board of Ed. Harding Township School District Long Branch, City of Boonton, Township of Ocean Twp. Board of Education Mahwah Township Washington Township Parks & Recreation County College of Morris Monroe Township Montville Township Randolph Recreation Advanced Agro Technologies Freehold Township Parks & Rec. DVH Athletic Turf Pine Hill Public Schools Monroe Township Fair Lawn Borough

FIELD OF THE YEAR 2006

Are you proud of your field? Do you want to show-off your hard work?

If you answered 'yes' to both of these questions, the Field of the Year (FOY) Contest 2006 is right for you. Sports Field Managers Association of New Jersey (SFMANJ) is announcing its annual FOY contest. Individual awards will be presented to the school, FOY and parks/recreation FOY.

ENTERING is easy, send to:

SFMANJ Contest, Po Box 370, Annandale, NJ 08801 Entries must be received by September 30, 2006

ELIGIBILITY:

- •Two categories; School or Parks/Recreation <u>fields only</u>
- •Current member of SFMANJ
- •Natural grass fields only

SEND:

- •Color photos of your natural grass field (10 maximum)
- •Name of facility and location
- •Name of owner
- •Your name, position and contact number

CRITERIA for awards:

- •Playability and appearance of the playing surfaces
- •Based on photos and a site visit by the SFMANJ Award Committee
- •Feel free to have sports groups in your photo

AWARDS:

Winners will be honored with a plaque at New Jersey Turfgrass Expo 2006 (December 5-7, 2006) and be interviewed for a feature article in SFMANJ Update newsletter (also receive a two-night stay at Taj Mahal, Atlantic City and three days of education).

NOTE:

*Photos will <u>not</u> be returned and may be used on SFMANJ website and promotional settings.

E & M GOLF SUPPLY

Maturing Safer, Healthier Fields for over 10 years.

Deep Time Ast a fion relieves compaction and promotes root growth naturally. In your es drainage and eliminates punding.

Shit See Ing is the fastest method of ingraving the density of year teef. Renevation with a Rotab airm produces a deep, fine soil seed bed which reduces the time a field is out of play:

> Callfor Information, Sales & Contrast Semises 800-554-486J ean-Imgdif@ad.com



SPORTS TURF PRODUCTS SUPPLIER

- ✓ Bulk Compost & Top Dressing
- ✓ Sports Turf Seed Mixtures
- ✓ Fertilizer For Athletic Fields
- ✓ Mar-Co Clay Infield Mixes & Products

- ✓ On-site Technical Support
- ✓ Soil Testing
- ✓ Drainage Solutions
- ✓ Spyder Delivery



WHOLESALE HORTICULTURAL DISTRIBUTION CENTERS

AB7 ELIZABETH AVE. PHONE: (732) 560-5060 FAX: 732-560-5064 MANAGER: DAVID WILLENBRICK. TURF SALES (EP: SCOTT BILLS) MEDFORD, NJ 80 EAYRESTOWN RD. PHONE: (609) 714-3500 FAX: 609-714-3600 MAIAGER: JASON STEBBINS TURF SALES REP. SLOTT BILLS WIND GAP, PA 6525 SULLIVAN TRAIL PHONE (610) 963-6016 FAX: 610-863-6384 NANAGER KYLE LANDON TURF SALES REP: DAN ANDRUS

Sports Field Managers Association of New Jersey