

By Scott Bills, CSFM

Sports Field Managers Association of New Jersey (SFMANJ) received two applications for 2010 Field of the Year.

The entrants included the Somerset County Park Commission, Torpey Athletic Complex, Baseball Field, Bridgewater, NJ from David Kuscynski; and Cinnaminson School District, Cinnaminson High School, Varsity Soccer Field from Jeff Schofield.

After personal interviews and visits to each field, the SFMANJ Board of Directors chose Torpey Baseball Field as the 2010 Field of the Year and the Cinnaminson High School Varsity Soccer Field as runner-up.

Jeff Schofield of Cinnaminson High School submitted his soccer field, even though he was not being 100% happy with its appearance. Despite a faulty irrigation system and challenges created by the summer heat, Jeff felt the field and his efforts over the past several years warranted the submittal. Jeff admitted the field would never have survived summer environmental stresses if he had not aggressively improved the soil and turf. Those improvements allowed the field to rebound once the weather cooled down and his irrigation system was fixed.

Jeff projected a keen interest in pleasing the players, the administration and all who use the field. As the field is located at the entrance to the high school, Jeff varies the mowing patterns to make the field very attractive. When Jeff took the job as groundskeeper for Cinnaminson High



Baseball Field at Torpey Athletic Complex, Bridgewater, NJ:The SFMANJ 2010 Field of the Year

Continued on page 7

### SFMANJ Spring Field Day 2011

Torpey Athletic Complex & TD Bank Ballpark, Bridgewater, NJ Wednesday, April 20, 2011

### TORPEY ATHLETIC COMPLEX BRIDGEWATER, NI

- 7:00 Vendor Registration & Set-up
- 7:30 Attendee Registration, Trade Show Open, Coffee & Donuts
- 8:45 Opening Remarks
  - Baseball Field Post Game Repair Demonstration
    - Dave Kuczynski, Somerset County Parks
  - Soil Sampling Procedures and Report Interpretation
     Dr. James Murphy,
     Rutgers University
  - Infield Equipment Demonstrations
  - Natural Turfgrass Equipment Demonstrations
  - Synthetic Field Maintenance Procedures
    - Dave Kuczynski, Somerset County Parks
  - Synthetic Equipment Demonstrations

12:00 • Lunch & Vendor pass-the-mic

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- 1:15 Sports Field Maintenance Program & Challenges Dan Purner, Head Groundskeeper, Somerset Patriots
  - Solving Weed Problems in a School Environment Brad Park, Rutgers University
- Closing Remarks, Pesticide
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### Welcome! New and Renewed SFMANJ Members

Currently we have 123 new & renewed members. In January 2011, SFMANJ mailed invoices for 2011 membership dues to all current members. If you did not receive an invoice, please contact us at 856.514.3179 or download the membership form available at www.sfmanj.org. Mail membership dues direct to SFMANJ, PO Box 205, Pennsville, NJ 08070.

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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.

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	This newsletter is the official quarterly publication of the Sports Field Managers Association of New Jersey.

For information regarding this newsletter, contact: SFMANJ at (856) 514-3179 or Brad Park at (732) 932-9711, x127

SFMANJ at (856) 514-3179 or Brad Park at (732) 932-9711, x127 Editor: Brad Park, Rutgers University, Email: park@aesop.rutgers.edu Layout and Design: Debra Savard, Email: mail@sfmanj.org

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

### New and Renewed SFMANJ Members

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### Plan to send in your entry for

### SFMANJ Field of the Year Contest 2011

Among other things, the winner will also receive a stay at the Trump Taj Mahal, Atlantic City and free registration to the education courses and trade show at Expo 2011.

See page 14 for details



J. Casey Parker



### A Message from The President

# Why SFMANJ Opposes the "Safe Playing Fields Act"

By Don Savard, CSFM, CGM

I was not expecting the phone call on Monday, January 31. Nancy Sadlon, Executive Director, New Jersey Green Industry Council (NJGIC) called me at work with news that New Jersey State Senate Bill S.2610, the so-called "Safe Playing Fields Act", was moving through committee. This Bill, if enacted into law would ban the use of lawn care pesticides on sports fields in New Jersey ,unless the application can be justified as an emergency response to an immediate threat to human health. Because we are an organization of sports field managers and would be directly affected by the outcome should this Bill pass into law, Ms. Sadlon requested the help of Sports Field Managers Association of New Jersey (SFMANJ).

Over the past 5 years, SFMANJ has tried to remain apolitical. Our mission is and has always been enhancing the professionalism of athletic field managers. Our primary goals include improving safety, playability, and appearance of athletic fields at all levels. Since our inception in 2000, SFMANJ members have had the opportunity to achieve these goals through seminars, field days, publications, and networking with those in the sports turf industry. After some thought and discussion, the SFMANJ Board of Directors agreed to lend our support to NJGIC in opposing this Bill. I would like to share with you our reasons.

**Safety -** The goal of sports field management is to provide a safe and playable surface. Sports Field Managers Association of New Jersey has always been an advocate of good cultural management and Integrated Pest Management (IPM) on sports fields. We also acknowledge that the careful, restrained use of pesticides can be a component of a site-specific sports field management plan. Sports fields are subjected to many stressessome made by people, some are caused by nature. Sports field managers are expected (by the people we serve) to do everything possible to keep sports fields safe and playable. In order to meet these expectations, we need all of the tools available to get the job done – including conventional pesticide products. If the Safe Playing Fields Act is enacted, some of our most effective tools will be taken away.

**New Jersey School IPM Law -** New Jersey already has in-place a School IPM Law. Should the use of a non-low impact pesticide become necessary, there is a well-defined protocol that must be followed before such a product can be used. The current Law requires having an IPM coordinator and IPM plan, NJ DEP Category 13 pesticide licensing, 72 hour notification, preferential use of low impact pesticides, 7-hour reentry period, and stringent record keeping. Applying a traditional pesticide in accordance with the NJ School IPM Law provides transparency

through its notification requirements and added security against potential exposure through a mandatory reentry period. The Safe Playing Fields Act, if enacted would virtually eliminate traditional pesticide use; applications that are already subject to a well-defined, well-regulated protocol in Schools.

**Economic Realities -** A carefully planned, conventional pesticide application, in full-compliance with US EPA registered pesticide label requirements and NJ School IPM rules can provide maximum cost benefits. The application of conventional pesticide can be used to solve turf health problems quickly and effectively. Taking no action or using less-effective products may result in field loss, subsequent costly field replacement and a substantial loss of field space for use by children and parents. If we do not protect sports field surfaces from natural or manmade damage, we risk having to spend considerable taxpayer money to replace or repair sports field damage caused by pests. Currently, many New Jersey Schools and municipalities are cutting expenses by eliminating positions and programs. This is not the time to remove tools from the toolbox.

The NJGIC is a very effective watchdog group looking out for the interests of New Jersey's Green Industry. As previously mentioned, NJGIC alerted SFMANJ to this bill and has asked for comments and participation from our Association. In contrast, those organizations supporting and lobbying for the passage of this Bill have not reached-out to SFMANJ for our opinion on this Bill; our Association being the leading Industry trade organization representing sports field managers in New Jersey. Without the efforts of NIGIC, issues affecting our Industry (and our livelihoods) could go forward in Trenton with upsetting results. The NIGIC has asked for our support, and SFMANI has stepped-up. Several of our members have attended meetings with legislators, written letters and testified at hearings. At the March 2, 2011 SFMANJ Board of Directors meeting, our Board agreed unanimously to make a \$1,000 contribution to NJGIC with the stipulation that the contribution be used to help offset operating expenses.

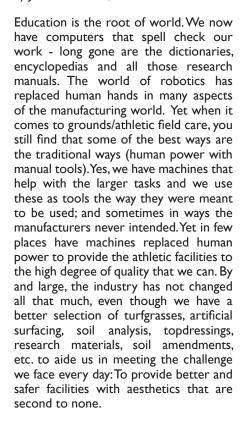
In the end, our endeavor is to continue to create the safest playing conditions for all of New Jersey's sports field users.

Den SAVAND

Don Savard is a Certified Sports Field Manager (CSFM) and Certified Grounds Manager (CGM); Director, Athletic Facilities and Grounds, Salesianum School; and President, SFMANI.

### **GROUNDS CARE BY THE ATHLETE**

By James Cornelius, CSFM



Looking back, things have changed. Teams rarely bring out the big water jug, now replaced with individual water bottles that need recycling cans to collect them all. Most seem to find the ground long before being placed in the proper can. Trash is prolific and seems to multiply over night; still the trash can remains inplace. The holes on the mound, around home plate, in the infield, as well as the outfield become larger, deeper and if ignored, will continue to grow to mammoth size. The grass continues to grow and we struggle to keep it mowed at an acceptable height, all the while continuing to feed it with fertilizers, topdressings and additional seed to grow more grass. At this rate, frustration can set in quickly and if not dealt with in a manner that becomes positive, can lead to running oneself out of a job, or working in an endless circle that never changes much like being jobless and not looking for one.

At last there is hope. We have opened our ears and instituted a different approach to our problems. We now have athletes doing

grounds maintenance as part of their education and athletic experience on our sites. Instead of coming to work with built up frustration, we now come to execute a task. We finish what was started. We plant seeds, not only turfgrass seed but educational seeds. We now work outside the box on most occasions.

We still only have five employed in the athletic field maintenance department yet our team has grown to more than we expected. The best part is the majority of the athletes work for the ability to use our facilities. Puzzled, are you? Here is how we do it and how we got to this part of our journey.

With our frustration at an all time high, the district was renovating two high schools and building a third. Our athletic field numbers were growing, yet the staff count was not. It became time to turn things around. The district soon realized that with the athletic numbers growing and the dollars being spent needing to be protected, they formed a committee of administrators, teachers, students, public representatives, facility staff and many others to work on developing an Athletic Strategic Plan for the High School Athletic program. Nothing was overlooked. They covered everything from student safety and conduct to maintenance of the fields, indoor athletic facilities, etc. Having the privileged to be part of this committee and a voice of concern, we were able to institute an evaluation tool that we revised from information generated by Dr. Dr. Dave Minner at Iowa State University and many others Sports Turf Managers Association (STMA) and Keystone Athletic Field Managers Organization (KAFMO). We developed a

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## TORPEYAthletic Complex Baseball Field

### Wins SFMANJ Field of the Year for 2010

Continued from page 1

School, he admittedly didn't have much experience. However, as most successful sports field managers do, Jeff enlisted the help of local turf experts. Jeff took advantage of many educational opportunities to continue learning about sports field and turf management.

Director of Facilities, Peter Galosi, praised Jeff for his efforts and accompanied him to the annual meeting to accept his award as 2010 Field of the Year runner up.

Head Groundskeeper, David Kuscynski, through tireless dedication, has transformed the Torpey Athletic Complex Baseball Field into one the best in the state. Despite many constraints maintaining a public park, David has found a way to improve both the safety and playability of the fields. In addition to one lighted baseball field and one lighted softball field, the Torpey Complex now has a lighted all-purpose synthetic field. From April until late October, the ballfields are in use 7 days a week, sometimes hosting 3-4 games or practices.

Dave began his sports field career as an employee of the Somerset Patriots and credits both Ray Cipperly and Dan Purner with helping him hone his skills. While at TD Bank Ballpark, Dave learned both pre-game and post-game maintenance techniques. Dave has brought those skills to the Torpey baseball field.

Unlike many groundskeepers, Dave performs much of the infield grooming by hand. After every game or practice, he makes sure all displaced infield mix is swept out of the grass. He also varies his grooming patterns on a weekly basis to prevent lip build up.

In the past two years, Dave has re-built the pitcher's mound with clay, amended the existing infield mix and re-sodded areas along the infield. Perhaps the most impressive improvement is in the outfield. When Dave took over the complex, the outfield turf was thin and choppy. Through improved cultural practices, consistent overseeding and a comprehensive fertility program the turf is now thick and attractive. Dave varies the cutting height based on the time of year and scheduled usage.

SFMANJ would like to congratulate Dave and the Somerset County Park Commission for being the 2010 Field of the Year winner.

In recognition of this honor, SFMANJ is holding a Spring Field Day at Torpey Athletic Complex on **April 20, 2011**. During the morning we will tour the facility and have Dave provide some insight as to his secrets, including a hands-on clinic covering pre and post-game field maintenance. The day will continue with a tour of the TD Bank Ballpark, Bridgewater, NJ, home of the Somerset Patriots Atlantic League baseball team. We will tour the field with head groundskeeper, Dan Purner, plus have an educational session for pesticide credits.

Look for more information in this issue of SFMANJ *Update* on the front cover and at www.sfmanj.org.

Scott Bills, CSFM is Certified Sports Field Manager (CSFM); and Secretary, SFMANJ Board of Directors

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## T URNAMENT TIME

A Groundskeeper's Account of Preparation for a **Baseball Tournament** 

by Rich Watson

Editor's Note: This article 1st appeared in the July/August 2006 edition of SFMANJ Update

Hosting a tournament is a lot of work, however it is a good opportunity to showcase your facility. There will be people seeing your field for the first time, so make them remember it for the right reasons. We were informed this year that we would be one of three sites hosting the 33rd Annual Joe Hartman Diamond Classic. The tournament brings together the top 16 baseball teams in South Jersey. On May 13, 2006 Overbrook High School hosted two games, but the preparation started weeks earlier.

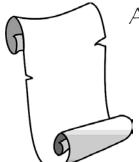
The call informing us about the tournament came in mid-April, so we had a good amount of time to prepare. First, we checked our baseball team's schedule for possible conflicts. Next was to check our field maintenance program. As luck would have it, a fertilizer application was scheduled the week before the tournament as well as spraying Roundup on our skinned areas. Timing is everything. The grass looked great and our skinned areas were free of weeds.

With two weeks to go, we started cutting-in our pattern for the games. We cut the outfield in three directions at 2 inches every other day. The

infield was cut in two directions at  $1\frac{1}{2}$ -inch every other day. We use an Exmark Lazer Zero Turn mower (with a striping kit) to cut our outfield and an Exmark walk-behind mower for the infield. Sharp blades are very important, so we change them at least once a week.

The week of the tournament was very challenging. We had two games of our own in addition to the final prep for the big games. The day before the tournament is very important. We tried to do as many things as possible to make game day a little easier. Bullpen mounds were repaired, extra bleachers were moved, trash cans emptied, the infield was edged, and a sound check was done on the sound system. We made final cuts on the infield and outfield because there is no time the day of the games. Our mound and home plate areas are made of Hilltopper mound clay. Both areas were repaired and covered. The infield was scarified, graded smooth, and then lightly rolled. The automatic irrigation system was used to wet down the infield at night, setting the stage for game day.

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### An SFMANJ Member's Prepared Testimony Concerning New Jersey's Proposed "Safe Playing Fields Act"

The following was prepared and read by Rich Watson, Grounds Supervisor, Pine Hill Public Schools and SFMANJ Board of Directors, at the New Jersey State Assembly Environmental and Solid Waste Committee Hearing in Trenton, NJ on Thursday, February 10, 2011.

### Good afternoon ladies and gentleman.

My name is Rich Watson. I am the Grounds Supervisor for the Pine Hill School District in Southern New Jersey. It is a privilege for me to be here. The issue of safe playing fields is an important issue to all of us here today. It is important to me because I have three daughters, two of which play sports. One daughter plays on fields that have little or no maintenance performed on them, while the other plays on well maintained fields. Both sites are considered sports fields. One is safe the other is not. The unsafe field is at a local school and it amazes me that they let kids play on it. The other field is a municipal field. It is well maintained and plays great. This is where the real safety issues on sports fields are. Pesticides didn't cause one field to be unsafe and the other safe. They are a small part of a complete turf program that is the key to safe fields.

I am here today to talk about our sports turf program in Pine Hill. If you pull up to any of our buildings you will be disappointed in the condition of our grass. These lawns are covered with weeds and crabgrass. We as a district are ok with that. Our kids who compete in athletics or take part in gym class play on well maintained natural turf playing surfaces. Together we have decided to put our focus where the kids actually play and compete. We have a 40 year old facility that is in need of cosmetic attention, but we have some of the best playing fields in NJ. So, how did we do it?

The development of a Sports Turf IPM program took shape. We have taken the guidelines set up by the School IPM Law and fit our sports turf program inside. It was not easy at first. I struggled with the additional notifications and had doubts about if it would work at all. It took a lot of hard work, but over time we developed a program that not only worked, it exceeded my expectations. Here is how we did it.

The first thing was to develop a field history for each individual field. Then problem areas were identified and pest thresholds were set. Next, we took a look at what had been done in the past to determine what worked and what needed to be changed. What we discovered was that cultural practices are the backbone of our turf program. They include: Mowing frequency/

mowing height, aeration, fertility with soil testing, seeding during our sports seasons, and proper irrigation. These are the building blocks for our fields.

I know by now you are wondering how we deal with pest issues. In a school district costs are always a concern. Our supply budget has been cut and most likely will not be going up any time soon. The cost for our pest control on our athletic fields this year was \$1,425. That included three granular applications and two spray applications. Just for the record, one application was made during Spring break with notification and the others were all made during the summer also with notification. No children were on the property at the time of applications and fields were closed until the re-entry period had expired. All applications were made because the pest threshold set in our IPM program had been exceeded. Before these applications were made, we considered other low-impact /biological options. I understand there is a lot of talk about alternatives to chemical lawn management that work and are cost effective. I don't think we are there yet. I think we need to compare apples to apples. Corn gluten for example, is an accepted organic weed control product. Corn gluten costs \$29.95 per bag and covers 1,000 square ft. (at the lowest rate) The average football field is 66,000 square ft. In order to apply pre-emergent weed control for this field, it will cost \$1,976.70 for 66 bags. That is one application on one field at the products lowest rate. That is not cost effective in my book.

Nematodes have been suggested to replace insecticides. I have never used them, but I understand that they are difficult to work with, since they are a living organism. The cost for nematodes is \$200 per acre plus shipping. Compared to Merit at less than \$100 per acre, there really is no cost comparison. If I believed that nematodes would work in large scale applications, I would consider trying them. However, the cost and Dr. Koppenhoffer of Rutgers recommendation that they are not a good choice for sports fields has steered me away from them. I am not against any of these or other organic products. I just don't feel at this time with the current budget crisis and lack of unbiased research, we can use these products. Hopefully in the future the cost will come down in price and there will be a realistic way to use them in large scale applications.

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## RUTGERS STUDENT RECAP....

By Justin Sadowski and Jeffrey Antoniewicz

First of all, we would like to thank Sports Turf Managers Association (STMA), Sports Field Managers Association of New Jersey (SFMANJ), Rutgers University, and the Rutgers Turf Club for making our trip to Austin, TX possible. Without these supporters, we would not have had such an opportunity.

The STMA Conference in Austin was one of the most incredible experiences of our lives. We came down to participate in the Student Challenge, attend the trade show, and hopefully meet and talk to some of the best in the business. We left with a feeling of satisfaction and reassurance that we wanted to be a part of the sports turf industry during our careers.

The Rutgers Student Challenge Participants received a tour of the Toro Booth during the trade show at STMA in Austin, TX. (I-r) Jeff Antoniewicz, Eric O'Toole, Kevin Rundstrom, and Justin Sadowski, Rutgers Undergraduate Students; Brad Park, Rutgers and Editor, SFMANJ Update; Jill Dunning-Harris, The Toro Company; Jim Heinze, The Toro Company.

The first day was a day to get acclimated. In the convention center, there was a meet-and-greet for students, where the proctor asked us some questions, and then students participated in an open-floor discussion on various topics, ranging from turf management techniques to simply talking about our individual goals.

One aspect that separates this conference from most other conferences was the STMA members at the welcoming dinner who talked with us students. These people welcomed us, asked us a little bit about ourselves, and asked us if there was anyone in particular that we wanted to meet. We thought this was one of the more unique portions because it gave students a networking opportunity that some of us have never had. Just having a chance to talk with some of these STMA members was rewarding because they offered us advice and wanted to know what

was important to us. It was a great thing to see them take an interest in each of us.

The trade show was interesting. In size, it was not as large as some other trade shows, but we feel like this was an advantage to the students. The vendors at STMA were very willing to talk to us at all times, gauging our interests. They did not seem to care whether we were currently in a position to purchase their products; rather they were interested in what we were looking to do, and were very enthusiastic in answering all of our questions. Having a slightly smaller trade show allowed for more personal contact for all.

We were given a personal tour of the Toro booth on the trade show floor where we were introduced to new and innovative products that the Toro Company has to offer. This included, but was not limited to their computer control systems, mowers, utility equipment, and sprayer technologies.

We sat-in on Weather 101 with Brad Jakubowski for a half hour before attending a series of three student sessions. The talks directed towards student attendees were great. The first was, "So You Want to be an NFL Sports Field Manager?" with Mr. Darian Daily, Head Groundskeeper for the Cincinnati Bengals. The second talk was "Field Maintenance is Only a Third of Your Job" delivered by Ms. Amy Fouty, CSFM, and Director of Grounds at Michigan State. The final session was "25 Years as a Sports Turf Manager - What I Wish I Had Known" from Bob Campbell, CSFM, and former Director of Grounds for the University of Tennessee. These three unique talks all focused on different challenges posed sports field managers, but the underlying theme was the important of family and maintaining a healthy relationship with family and friends outside of the workplace.

The awards banquet was a night to remember. We could all feel the vibe and unity of STMA within the walls of the banquet hall. Each award winner, regardless of the award, had a lot of pride and prestige. Our favorite part of the banquet was the slide show at the end. We thought that we were going to see pictures of groundskeepers and sports field managers in action. Instead, it was a compilation of photos of sports field managers and their families, nailing home the main message that no matter what we decide to do in life, we need to make time for our families and friends. We thought this was a great message for students, and was a great ending to a phenomenal conference. We cannot wait to attend the 2012 STMA Conference in Long Beach, California.

Justin Sadowski and Jeffrey Antoniewicz are Rutgers undergraduate students; participants in the 2011 STMA Student Challenge; and Student Members, SFMANI



January 11-15, 2010, Austin, Texas

Dear Mr. Savard:

The Rutgers Turf Club would like to thank you and the members of SFMANJ for your donation of \$1,000 towards our attendance at the 2011 Sports Turf Managers Association Conference and participation in the Student Challenge in Austin, TX. We greatly appreciate your contribution to our club.

The Rutgers Turf Club is an organization comprised of four-year undergraduate and graduate students as well as students in the two-year Golf Management School. Our club's mission is to gather turfgrass students together to network, discuss and explore turf-related issues while working with faculty, alumni, students and turf-related businesses. SFMANJ's donation to our club allowed us to participate in the 2011 STMA Student Challenge. It covered many of our costs associated with traveling to and staying in Austin, TX for the STMA Conference and Student Challenge. While attending the conference we were able to make some great contacts with a lot of professionals in the sports field management industry. Our trip to Austin would not have been possible without your generous donation and we are sincerely grateful for your contribution.

Sincerely,

Jeff Antoniewicz

Kevin Rundstrom

Zem Buttl

Justin Sadowski



# Dr. Henry W. Indyk Graduate Fellowship in Turfgrass Science

As many of you know, the turfgrass industry lost a dear friend and colleague in September 2005. We will all miss Henry very much and would like to insure that his legacy lives on. The Indyk family would like to establish a memorial fellowship to support graduate students interested in applied turfgrass science. This fellowship is being created to help assure that tomorrow's graduate students have the financial resources to get an advanced degree in turfgrass science at Rutgers University. To fund a full graduate assistantship each year in Henry's name, we will need to raise a total of \$400,000. Your generous support at this time will bring us closer to reaching this goal.

To make a tax-deductible contribution today, please send a check payable to the Rutgers University Foundation, 7 College Avenue, New Brunswick, NJ 08901. Be sure to indicate "Indyk Fellowship, Turfgrass" in the memo portion of your check. If you desire, you may provide a donation in the form of a pledge payable over several years.

For information on other ways to support this fellowship, please contact

Dr. Bruce B. Clarke, Director — Rutgers Center for Turfgrass Science (732) 932-9400, ext. 331; or clarke@aesop.rutgers.edu or

John Pearson, Director of Leadership Gifts at the Foundation, by calling (732) 932-7899 or email: pearson@winants.rutgers.edu



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Continued from page 9

## An SFMANJ Member's Prepared Testimony Concerning New Jersey's Proposed "Safe Playing Fields Act"

The bottom line is we run a well rounded turf program in Pine Hill. It is not a pesticide program. The charge that schools are needlessly using lawn pesticides does not apply in our district. Synthetic pesticides are a very small part of our sports turf program. They are the last line of defense for the sports turf manager to keep their fields safe for the children using them. I know that weeds, insects, and fungi are not threats to human life. But, left unchecked they can be a considerable safety risk to the very children that are being protected by this proposed legislation.

I have been maintaining the athletic fields at Overbrook High School for over 20 years now. In 2009 the Philadelphia Inquirer named our football field "The Best in South Jersey". I am very proud of the progress that we have made. Our IPM program has worked so well that the Borough of Pine Hill has enlisted our help in turning around their municipal fields. This is not because

of our pesticide program, but rather because the mayor and council trust our judgment and respect our work. We in return, want to bring safe playing fields to the youngest athletes in Pine Hill also.

In closing, I would like to thank the committee again for allowing me to give you a hands on look at what is going on in sports turf management. Safe playing fields should be the goal for everyone. It is my hope that there can be some common ground found in regards to the judicious use of pesticides on sports fields. At this time I don't think the Safe Playing Fields Act will make our playing fields safer. Right now in NJ, there are many school and municipal fields in desperate need of renovation. I don't want to see more join this list. Please think carefully before considering this legislation.

Rich Watson is Grounds Supervisor, Pine Hill Public Schools; and a Member of the SFMANJ Board of Directors.

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### SFMANJ Field of the Year Contest 2011

### **ELIGIBILITY:**

- Must be a current member of SFMANJ
- · Only school and parks/recreation fields are eligible
- · Must be a natural grass field/fields

### AWARD WILL BE BASED ON:

- Playability and appearance of the playing surfaces
- Description of your maintenance program and what you did to improve your field
- Description of your yearly budget for this field
- (Sports groups may be used in your photos)



Sommerset County Parks Commission, Torpey Field SFMANJ's Field of the Year 2010

### **AWARDS:**

The winner will be honored with a plague at the New Jersey Turfgrass. and Landscape Conference & Expo in December 2011 and will be featured in an article in SFMANJ's Update newsletter.

The winner will also receive a stay at the Trump Taj Mahal, Atlantic City and free registration to education courses and trade show at Expo 2011.

### SUBMITTING YOUR ENTRY:

- All entries are to be submitted by mail or e-mail and must be received by September 30, 2011.
- Entries are limited to 10 color photos. Please include the name, location and owner of the facility, along with your name, position, and contact number.

Mail Entries to:

SFMANJ 2011 F.O.Y. Contest P.O. Box 205, Pennsville, NJ 08070

OR E-mail to:

Call for more info:

mail@sfmanj.org

856-514-3179

website: sfmanj.org / e-mail: mail@sfmanj.org

Photos will not be returned and may be used on SFMANJ website and promotional settings

### **GROUNDS CARE BY THE ATHLETE**

Continued from page 6

communication tool using Red, Green and Yellow flags for each of our fields along with updated emails of field conditions as they changed in status from one flag color to another. We established and implemented a more meaningful facility use policy for both outside and inside venues. We limited the amount of use by outside organizations on our high school athletic facilities so that we could reduce wear and minimize traffic to where we could manage the turf to maintain top quality facilities. Lastly, we developed and implemented rules and guidelines for all users; this included that all users be taught how to help in maintaining our facilities.

All of the items incorporated into the Athletic Strategic Plan are important and meaningful, yet the one we embraced was the last one. Teaching our users was, and still is, huge. Never in my dreams did I think that we could get users/athletes to help in maintaining the fields. In the past, most groups expected the best, yet would rarely help out. Every once in a while we would have a group dump dirt (yes, dirt; not topsoil, topdressing or soil) in a goal mouth and kick it around, sprinkle some cheap seed, and call it "helping us out" or "doing our job".

We actually began meeting with the Middle School teams as they were more receptive to what we wanted to do. The coaches

liked the fact that we weren't asking them. The coaches liked that we asked the students to participate in helping us out. Our promise to them was simple: Help us out with a few small items (filling holes after practice, using divot mix on the turf where needed, spreading some seed in the goal mouths before practice, etc) and we would provide them with game day facilities each day they took the field. The first season was about 70% participation from the middle school teams. Once the other coaches saw that some fields were exceptional, they quickly realized that they too needed to work along with us. As we went into the second season, the students began asking when we were coming to meet with them. This progressed to the point where they email us when they need seed, or if a rake or shovel is missing from its place.

Each season brings something new. We now teach our outside users by holding mandatory training sessions. All coaches must attend prior to their group being issued their permit which allows them to use our facilities. We began holding these in the spring and quickly realized that with the unpredictable spring weather in Pennsylvania, one-fourth of the spring season was over before we got everyone trained. Now we hold them in late-October when we are putting our fields to rest for the upcoming winter; this allows us to be more aggressive with our Continued on page 17

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# SPORTS FIELD IRRIGATION TIPS



By Kurt Marrone

When constructing an irrigation system for a sports field, whether it is football, soccer, or baseball, there are four steps that need to be followed to insure proper coverage.

**Step I:** Get your Flow. Depending on the water source, you will need to determine the available gallons per minute (GPM) and at what pressure (pounds per square inch (PSI)) the water flows. If the source is city water you can contact the local municipal utilities authority to determine your flow. If the water source is a well, you will have to contact the well driller. Once the available water flow is determined, a series of pressure reductions will follow. All appliances (zone valves, back flows, etc.) will have a predetermined friction loss that must be deducted from the available flow. The resulting flow number will now be used to calculate the number and size of each head as well as the spacing between them. All major producers will supply flow charts for each respective head.

**Step2:** Layout your system. Now that we know what sprinkler head to use and how far to space them apart, we can layout our system. Distance and spacing information comes from the sprinkler manufacturers specifications. An example of this might be that a certain head will spray 50 feet at 50 PSI flowing 14 GPM but may only spray 45 feet at 45 PSI. You must choose the appropriate head from the manufacturers catalog based on your available flow. Remember that each head should cover the next head (i.e. head to head coverage). The next step in layout is

having matched precipitation. A full circle head takes four times as long to cover an area as opposed to a quarter (1/4) circle. A full circle head will have a larger nozzle than that of a part circle head.

**Step 3:** Zone the system. The amount of heads per zone is determined by the size of the nozzles that were chosen in Step 2. A good rule of thumb is to not exceed more that 75% of the available flow. If the available flow is 100 GPM, then design each zone to use 75 GPM. This allows for fluctuations in the water supply. Layout your zones keeping in mind any environmental concerns. Examples include zones that are in shaded or low lying areas that might collect water.

**Step 4:** Choose your pipe wisely: The goal in this step is to flow the water to the heads as efficiently as possible. The job specifications will dictate what type of pipe to use in the system; however, it is your responsibility to choose the proper size. In the back of most irrigation specification books you will find pipe flow charts. Use these charts to choose the appropriate pipe size while taking into consideration the amount of flow required by each zone. Larger pipe will be gradually be adapted down in size depending on how many heads are being fed.

These four steps will serve as a good foundation in building an efficient sports field irrigation system. For more information contact your local dealer.

Kurt Marrone is President, Lawn Sprinkler Services LLC, Margate, NJ



Jeffery Antoniewicz, Rutgers Undergraduate Student (I) was awarded the 2010 SFMANJ Rutgers Student Scholarship by Don Savard, CSFM, CGM and President, SFMANJ (r) as part of the Rutgers Turgrass Student Awards Banquet on Rutgers Cook Campus on November 6, 2010.



Save the date . . .

### SFMANJ SPRING FIELD DAY

Wednesday, April 20, 201 I
Torpey Athletic Complex and TD Bank Ballpark • Bridgewater, NJ.

### **GROUNDS CARE BY THE ATHLETE**

Continued from page 15

training. Each team member participates in one or more stations that we have set-up. We begin with a brief explanation of why we hold the training classes, dealing with trash at all our facilities and what responsibilities they have regarding trash, how to maintain the player bench and spectator areas, and lastly the care of our fence. Depending on how many are present, we either divide them up to the different stations or we work as a group from one to another. Our stations are natural turf areas where we explain using a field within a field, repairing divots with provided divot mix that we keep at each natural turf field, grass seed for the goal mouths and center of the field that we also keep on site; on to infields we have pitcher's mound care, repair and covering with provided tarp, home plate care and repair, base path care and how each of the provided tools are used, and how to deal with water puddles, wet infields, etc. We show them how we take care of these areas and allow them the opportunity to show us a different way, try our way, and we answer many questions that they come up.

Some organizations have committed 100% to our efforts while others have exceeded our expectations. We now have groups willing to mow fields (following our guidelines), handle the irrigation responsibilities (again, following our guidelines), provide manpower and equipment to help apply topdressing, turfgrass seed, and infield mix - all materials that we provide so we control the materials used. All of this had initial costs (nothing is free); however, we quickly recovered these costs by saving man hours. We purchased tools for each field, buckets for divot and seed mix for each field, tarps for each home plate and mound area, and batter box jigs that the crew made for each baseball and softball field. We had metal storage boxes constructed to hold materials, hoses, quick dry materials, and many other minor things for teams to maintain the fields at no cost to the teams. Ironically, some of the groups have bought extra rakes, booms, hoses, tank sprayers for wetting down the mounds, bags for trash, and have finally taken an ownership in our facilities. A winwin for all involved!

So, when your frustration level reaches an all time high/low, look around at the resources available and don't turn the help away. Turn them around to be a team mate. In the end, the children and the athletes are winners, no matter the outcome of the game; provided the game can go on.

James Cornelius, CSFM is Certified Sports Field Manager (CSFM); Formerly Buildings & Grounds Supervisor, West Chester Area School District, West Chester, PA; Currently Services Manager, Fisher & Son, Inc.; and member of Keystone Athletic Field Managers Organization (KAFMO).

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## 2011

## CALENDAR OF EVENTS

SFMANJ Spring Field Day **Torpey Athletic Complex &** TD Bank Ballpark Bridgewater, NJ April 20, 2011 302.514.3179 www.sfmanj.org

Rutgers Turfgrass Research Golf Classic Fiddler's Elbow Country Club

May 2, 2011 NJ Turfgrass Assoc. 973.812.6467 www.njturfgrass.org

Rutgers Turfgrass Research Field Days Golf & Fine Turf Rutgers Hort Farm II - North Brunswick, NJ July 26, 2011

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July 27, 2011 NJ Turfgrass Assoc. 973.812.6467 www.njturfgrass.org

New Jersey Green Expo December 6-8, 2011

NJ Turfgrass Assoc. Trump Taj Mahal, Atlantic City, NJ 973.812.6467 www.njturfgrass.org

STMA Annual Conference January 10-14, 2012 Sports Turf Mgrs. Assoc. Long Beach, CA

> 1-800-323-3875 www.stma.org

Sports Field

### TOURNAMENT TIME . . .

When the day of the tournament finally arrives, it's payday for all of the hard work. The day started with a light dragging of the infield, followed by another good soaking of the skinned areas. Next, foul lines and batters boxes were painted and chalked. At the last minute we decided to stencil the name of the tournament and the team names on the grass behind home plate. This was a nice touch that the teams and fans really seemed to appreciate. Finally, we painted the bases, pitching rubber, and home plate. It was game time.

The tournament was a great success. In between games we repaired the mound and plate, smoothed the infield with stiff drags, and touched up the chalk and paint. We wanted to make sure the second game played the same as the first. The coaches, players, and fans were very complimentary about our facility. That makes all the hard work worth it.

Putting together the maintenance end of a baseball tournament takes a lot of planning and hard work from a lot of people. My crew of Greg Bunting, Tom Crosby, and Kevin Shipman [now Sports Field Manager, Kingsway Regional School District and SFMAN| Board Member] were outstanding. Their professionalism and hard work really showed in the playing condition of the field. Also, I would like to thank Dave Lalena of Philadelphia Turf [Philadelphia Turf is now Turf Equipment & Supply] for letting us use a Toro Workman with a Rahn groomer and a Toro Groundsmaster 3505d for the tournament.

Tournament time is an opportunity to show off your field, while giving the teams a fair, competitive surface to play on. If you get the chance, step up to the plate and be remembered for the right reasons.

> Rich Watson is Grounds Supervisor, Pine Hill Public Schools, Pine Hill, NJ; and a member of the SFMANI Board of Directors

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Steele Field at Jackie Robinson Stadium; Home of the UCLA Bruins, Los Angeles, CA. Photo by Brad Park, November 2010



Inside (Inner; 1 3/16 miles) and outside (Widener; 1 5/16 miles) Turf Course at Belmont Park, Elmont, NY. Photo by Brad Park, May 2010



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