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Currently we have 219 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.

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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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Inside This Issue

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

For information regarding this newsletter, contact Brad Park: 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.

SPORTS TURF EXTRAVAGANZA IN ORLANDO Rich Watson*

The 17th annual STMA Conference and Exhibition was held this year at Disney's Coronado Springs Resort and Conference Center. A record crowd of 1016 attendees celebrated STMA's 25th Anniversary with 38 educational sessions, hands-on workshops, tours of sports venues, the SAFE scholarship golf tournament, and a vast trade show. This was the second national conference that I have attended and it exceeded my expectations. The facility was first rate and the knowledge gained from the educational sessions and my peers was priceless. Where else can you have access to that many experts in one field?

As the grounds supervisor for the Pine Hill Public Schools I deal with a large number of school specific issues, so I kicked off my conference with a sports turf networking session for K-12 schools. SFMANJ vice-president Don Savard, CSFM gave a good talk about his experience with outsourcing and we had a chance to discuss topics we all have to deal with as sports turf managers. It was great to talk to people from all over the country that are going through the same things that you are. One of the topics discussed was providing professionally maintained fields on a school's budget. The common denominator seemed to be that expectations were higher than manpower and budget restraints would allow. I know we can change this. Through hard work, networking, and education of our administrators we can put forward a professional product and not break the bank. One of the great things about the conference is the amount of choices you have in the educational sessions. I had a very difficult time deciding which ones to pick. Looking back I tried to cover a lot of bases. IPM is a hot button topic in our state right now, so I checked out Implementing IPM Strategies for Athletic Fields. Roch Gaussoin from the University of Nebraska was the speaker. He touched on most of the things that we are doing here in the Garden State such as proper seed selection, appropriate nitrogen usage, compaction relief, and proper use of pesticides. He was surprised by how strict our notification laws are (a topic for another time.) IPM is here to stay. We as sports turf managers are going to have to learn how to make it part of our program.

Infield maintenance is one of my favorite topics. I enjoy picking the brains of people who do it on the professional level. The panel discussion about infield mixes with Luke Yoder of the San Diego Padres, and Craig Potts from Texas A&M University was good stuff. They talked about the importance of water management in your infield and how mixes are different from one part of the country to the other. The other topic they both touched on was infield conditioner. The use of conditioner on our infields has made them much safer and gives the fielder a true bounce every time. If you are spending money on infield mix every year, you could get a lot more for your money if you topped off your infield with conditioner.

(continued on page 5)



SPORTS TURF Extravaganza in Orlando

Rich Watson*

(continued from page 4)

Becoming a Certified Sports Field Manager is my ultimate goal. I have just qualified to take the exam with enough experience points and hope to take it at next years conference. The Preparing for the CSFM Exam Workshop with Mary Owen of UMass and George Trivett CSFM was a good study guide. They went over the different sections of the exam and ended the workshop with a sample test. I have a better idea of what the exam is about and look forward to taking it next year.

This year's Awards Banquet was very special for me because the STMA honored one of their founding fathers. Henry Indyk was a friend and mentor to many of us. Since his passing I think of him often, especially at turf conferences (go figure). Henry was always there with advice and support. His knowledge was only surpassed by his caring for other people. Greg Petry spoke about his relationship with Henry and brought a lot of fond memories back for all of us there.

If you didn't make it to Orlando this year, you missed out. However, next vear's conference is in San Antonio, TX (Jan. 17-21, 2007). Start making plans now to find a way to get there. It will take some salesmanship on your part, but it is well worth the extra effort. My school district supports me in my quest for continuing education. Our budget is small, but that is why going to these conferences is so important. The things I learn and bring back with me are invaluable. I can't always afford to do things the way they are explained but I can get ideas that will fit into our program. Education gives you the tools to do a better job. In addition to education you will meet people that will share information and their experiences with you. The networking system within the STMA is amazing. If you have questions or need help, always remember there is someone out there just like you.

> *Rich Watson is Grounds Supervisor, Pine Hill Public Schools: 856-767-8000 ext. 3036; e-mail: rwatson@pinehill.k12.nj.us

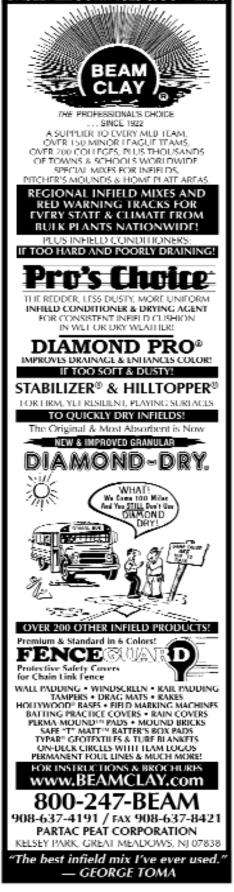


New Jersey was well represented at the STMA National Conference in Orlando, FL from January 18-22, 2006. Top row (l-r): Don Savard, CSFM and SFMANJ Vice President; Jim Hermann, CSFM; Fred Castenschiold; Jim Gates, SFMANJ Treasurer; Rich Watson; Karl "Chuckie" Singer. Bottom row (l-r) Ken Mathis, SFMANJ President; El Hermann, SFMANJ Past President; Brad Park, Editor, SFMANJ Update.

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RUTGERS CORNER -

EVALUATING YOUR SPORTS TURF MOWING PROGRAM Dr. James A. Murphy*

Mowing Height

Turfgrass species and variety, mowing frequency, environmental conditions, and available management resources are factors that govern the lowest mowing height possible for a turf. Tall fescue is best mowed at height of 2 inches or more. At lower heights, tall fescue will steadily thin out and become infested with weeds. Perennial ryegrass can be mowed as low as $\frac{1}{2}$ inch under intensive management including routine mowing, irrigation and pesticides; however, mowing heights of 2- to 3-inches are necessary under less intensive management. Certain varieties of Kentucky bluegrass can tolerate mowing as low as $\frac{3}{4}$ inch; however, annual bluegrass will eventually invade and dominate under such low mowing. A 1.5- to 2.5 inch mowing height is more acceptable for Kentucky bluegrass grown under moderate levels of management.

The budget and labor constraints placed on the field managers at many school and municipal operations typically do not allow mowing heights lower than 2 to 2 ½ inches for a majority of fields. In some cases, more intensive mowing management is feasible on limited basis for high priority playing fields.

Mowing towards the lower end of a species tolerance range will stimulate shoot growth, increase tillering/shoot density, and encourage a finer leaf texture, and ultimately improve playing surface conditions. Mowing below the height tolerated by a species will increased leaf succulence, decrease wear tolerance, reduce carbohydrate (food) reserves, and decrease root, stolon, and rhizome growth.

Mowing Frequency

Increasing the mowing frequency without lowering the mowing height is one immediate adjustment in a mowing program that can quickly improve turf and playing surface quality. Mowing more often so that less than 1/3rd the length of the leaves is removed will be less stressful to the turf than lowering the mowing height to achieve better playing surface quality. More frequent mowing results in less leaf tissue being removed in a single mowing and allows the turf to better adapt to the height of cut compared to a less frequent mowing program.

The proper minimum mowing frequency is determined by the 1/3rd rule, which refers to the concept that no more than 1/3rd of the height of the leaves (turf canopy) is cut in a single mowing. For example, a turf mowed at 2 inches should be no more than 3 inches high when it is mowed (1 inch is cut off the 3 inch high turf, 1/3rd). Turf should be mowed at 2.5 inches when the leaves are 3³/₄ inches high. And when the turf reaches 4¹/₂ inches it should be mowed no lower than a 3-inch height.

A lower mowing height requires more frequent mowing because shoot growth of the turf plants is stimulated as the mowing height is lowered. Thus, more frequent mowing is needed to keep up with the greater shoot growth and avoid scalping of the turf. Some examples of minimum mowing frequencies include mowing three to four times per week at $1\frac{1}{2}$ inches or less, two times per week at 2 inches, and once a week at 3 inches. Infrequent mowing at low heights will scalp the turf and result in long-term decline of turf and playing surface quality.

(continued on page 7)



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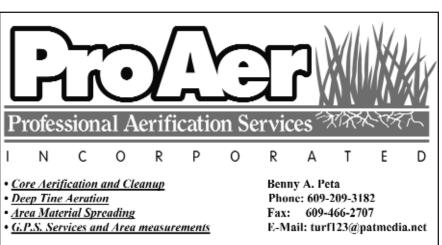
Spring Mowing Strategies

As spring temperatures become more favorable for growth, winter dormancy in turf begins to break and green-up develops as new shoots emerge. Rapid shoot growth and minimal environmental stresses at this time of year can lull turf managers into a false sense of security that problems will be minimal. In reality, it is a critical time to use a proper mowing frequency and cutting height along with no more than modest levels of nitrogen fertilization to develop and maintain a good root system.

Peak shoot growth will occur at air temperatures of 60 to 75 °F during the spring and the roots are extending deeper into the soil profile. The carbohydrate supply in the plant is depleted rapidly during this period of peak growth, thus timely mowing is critical to avoid removing no more than 1/3rd of the leaf tissue, otherwise a further strain the carbohydrate supply of the turfgrass plants would result. This negative physiological response to excessive defoliation (scalping) will cause root growth to cease and possibly dieback. Furthermore, recovery from scalping in the spring will be slower than a turf manager might expect due to the low carbohydrate supply. And turf with low vigor and density in the spring will be readily invaded by weeds such as crabgrass and goosegrass.

An unfortunate scenario that can occur in the spring involves wet (rainy) weather that interrupts the mowing schedule. Shoot growth becomes excessive and it is difficult to maintain the turf at the desired height. Under these circumstances, it is best to return to desired mowing height in a series of mowings, decreasing the cutting height with each successive mowing. For example, if conditions result in a 5 inch turf height and the desired mowing height is 2 inches, the next mowing should be at 3.5 inches followed by a mowing at 2.5 inches and finally mowing at the desired 2 inches. If feasible, it is also helpful to increase the mowing frequency during this time that the mowing height is being reduced.

* Dr. James A. Murphy is Extension Specialist in Turfgrass Management for Rutgers University and SFMANJ Advisor



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The Yankees start the 2006 Season on the West Coast in a series against Oakland beginning on Monday, April 3rd at 10:05 pm; the Mets begin their season at home in Queens on April 3rd against the Nationals at 1:10 pm; and the Phillies open-up playing the Cards in Philly on April 3rd at 3:05 pm.



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