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

# How to Convince Your Employer to Send You to Expo 2006

Brad Park\*

*(Editor's note: This article was adapted from materials provided by Sports Turf Managers Association)*

It's time to begin planning your trip to Expo 2006. The New Jersey Turf & Landscape Conference and Expo 2006 will be held at the Trump Taj Mahal in Atlantic City, NJ on December 5-7, 2006. How can you convince your employer to send you?

Continuing education and industry connections are crucial to your success and the success of your sports fields. Here are some suggestions to help your employer understand how your attendance at Expo 2006 can add value to the overall operation of your facility.

## Educate yourself on the Conference and Exhibition

- Provide an overview of the size and scope of Expo 2006. It may be helpful to give your employer a copy of the brochure. This edition of *SFMANJ Update* provides the Sports Field Managers Program for Expo 2006.
- Pinpoint specific sessions you plan to attend, and tie their relevance to your sports facility. As part of the Sports Field Managers Program, School IPM will be featured on the afternoon of Tuesday, December 5. A representative from the New Jersey Department of Environmental Protection (NJ DEP) will be speaking and taking questions on the specifics of the current NJ School IPM Law followed by a panel of three NJ sports field managers who have implemented school IPM programs at their facilities.
- Highlight the trade show and cite suppliers and equipment manufacturers you plan to meet.
- Discuss the networking opportunities you will have with peers who share challenges similar to the ones you have.
- Note that NJ DEP pesticide recertification credits will be available.
- Explain how innovations in products, new research, and cutting edge management techniques continually change, and why it is important to stay abreast of those changes.
- Reinforce how the success of your sports fields ultimately depends upon the continued professional development of you and your staff.

## Know the Cost

- Make a case for efficient and effective use of your facility's training dollars. By attending Expo 2006, you will be exposed to the most relevant education and technology in one place, making it the most effective use of training dollars.
- Research travel times and hotel costs. While Atlantic City is a feasible day trip from almost anywhere in New Jersey, the New Jersey Turfgrass Association does its part to negotiate reasonable room rates at the Trump Taj Mahal to make staying a night reasonable. Expo 2006 will feature online registration at [www.njturfgrass.org](http://www.njturfgrass.org)

## Have an Action Plan

- Develop a plan for how operations will continue in your absence. Make sure you are accessible by phone or by page to address any concerns that might arise in your absence.
- Consider preparing and presenting a report on the information you learned and how you plan to put it into practice at your facility.
- Demonstrate how you will share the technical information learned with your staff for their continuing educational development.

\* Brad Park is Sports Turf Res. and Ed. Coord., Rutgers Univ.; SFMANJ Board Member; and Editor, SFMANJ Update

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# Expo 2006:

## New Jersey Turfgrass Industry Unites in an Historical Joint Venture

*New Jersey Turfgrass Association Press Release*

Two prominent New Jersey Associations, the NJ Landscape Contractors Association (NJLCA) and the NJ Turfgrass Association (NJTA), have signed an historical, long-term agreement which will benefit green industry representatives across New Jersey and the region. The two associations have agreed on a joint venture to co-host the New Jersey Green Industry Expo.

For over 35 years, NJTA has run a very successful annual trade show and conference in early December. By joining efforts and resources, growth and expansion of the show is virtually guaranteed. "NJTA is excited about the opportunities this partnership will offer and believes the Expo will develop into a regional conference and trade show attracting attendees from up and down the East Coast," says Chris Carson, President of the New Jersey Turfgrass Association.

Beginning December 5-7 of this year the show will be renamed the "Turf & Landscape Conference and Expo". It will remain at the Taj Mahal, Atlantic City, NJ. The confer-

ence has always had well attended educational seminars and will continue to expand on this success by adding seminars earmarked specifically for the landscape contractor.

"This joint venture will be the perfect vehicle for NJLCA to further develop the southern regions of the state," states Brian Phiefer, NJLCA President. He also announced the first annual NJLCA state convention, the Holiday Awards Dinner and the 40th Anniversary Celebration will be held at Expo.

"This partnership is exactly what the Expo needed to catapult it to new heights. We are certain it will benefit the entire Green Industry in New Jersey and we look forward to producing another first-rate Expo," says Chris Carson, NJTA President.

**NJTA will feature online registration for Expo 2006.  
For more information visit [www.njturfgrass.org](http://www.njturfgrass.org) or call:  
(215) 757-6582**

## New Jersey Turf & Landscape Conference and Expo 2006: Sports Field Managers Program December 5-7, 2006

**Trump Taj Mahal Casino-Resort, Atlantic City, NJ**

**TUESDAY, DECEMBER 5, 2006**  
**TUESDAY AM**

- 9:00 **Principles of sports field drainage**  
*Dr. Jim Murphy, Rutgers Univ.*
- 9:30 **Effective pesticide applications with backpack sprayers**  
*Dr. John Grande, Rutgers Univ.*
- 10:00 **Cost comparisons between natural grass and synthetic infill fields**  
*Dr. A.J. Powell, University of Kentucky*
- 10:45 **A synthetic infill field: One year later**  
*Joel Taylor, Haddonfield Twp, NJ*
- 11:15 **Managing sports fields on native soils**  
*Dr. A.J. Powell, University of Kentucky*
- 12:00 **End of Session**

**TUESDAY PM**

- 1:00 **IPM procedures for turfgrass**  
*Brad Park, Rutgers Univ.*
- 1:30 **IPM procedures for indoor facilities**  
*Dr. George Hamilton, Rutgers Univ.*
- 2:00 **Break**
- 2:15 **School IPM Q&A with the NJ DEP**  
*Bruce Reimbold, New Jersey Dept. of Environmental Protection*
- 2:45 **Case study panel: Implementing a school IPM program**  
*Moderator: Craig Tolley, County College of Morris, NJ*  
*Rich Watson, Pine Hill Schools, NJ*  
*Barry Imboden, Hunterdon Central, NJ*  
*George Van Haasteren, Dwight Englewood Schools, NJ*
- 4:00 **End of Session**

**WEDNESDAY, DECEMBER 6, 2006**  
**WEDNESDAY AM**

- 7:30 **Early Bird sports field managers networking roundtable**
- 9:00 **End of Session**

**WEDNESDAY PM**

- 1:00 **SFMANJ Business meeting**
- 1:30 **Identifying and controlling common turfgrass diseases of sports fields**  
*Rich Buckley, Rutgers Univ.*
- 2:00 **Overview of the Certified Sports Field Manager (CSFM) program**  
*Don Savard, CSFM, Salesianum School*
- 2:30 **Managing infield skin surfaces**  
*Ryan Radcliffe, Lakewood Blueclaws*
- 3:00 **Insect management update for sports fields**  
*Dr. Albrecht Koppenhoffer, Rutgers*
- 3:30 **End of Session**

## SFMANJ STUDENT SCHOLARSHIP AVAILABLE

A \$500 SFMANJ Student Scholarship will be awarded at Expo 2006 in Atlantic City (December 5-7, 2006). To apply, email or send via US Mail a 500-word essay on "Why you deserve this scholarship." The student must be a member of SFMANJ in good standing. Applications are due by Friday, October 27, 2006. Please include:

1. Name, address, email
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Excellent References

## SFMANJ Field of the Year Contest 2006

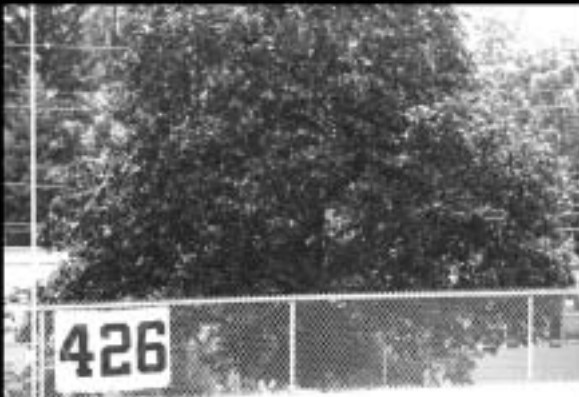
**ENTERING is easy, send to:**

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**ELIGIBILITY:**

- Two categories; School or Parks/Recreation fields only
- 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
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- Feel free to have sports groups in your photo

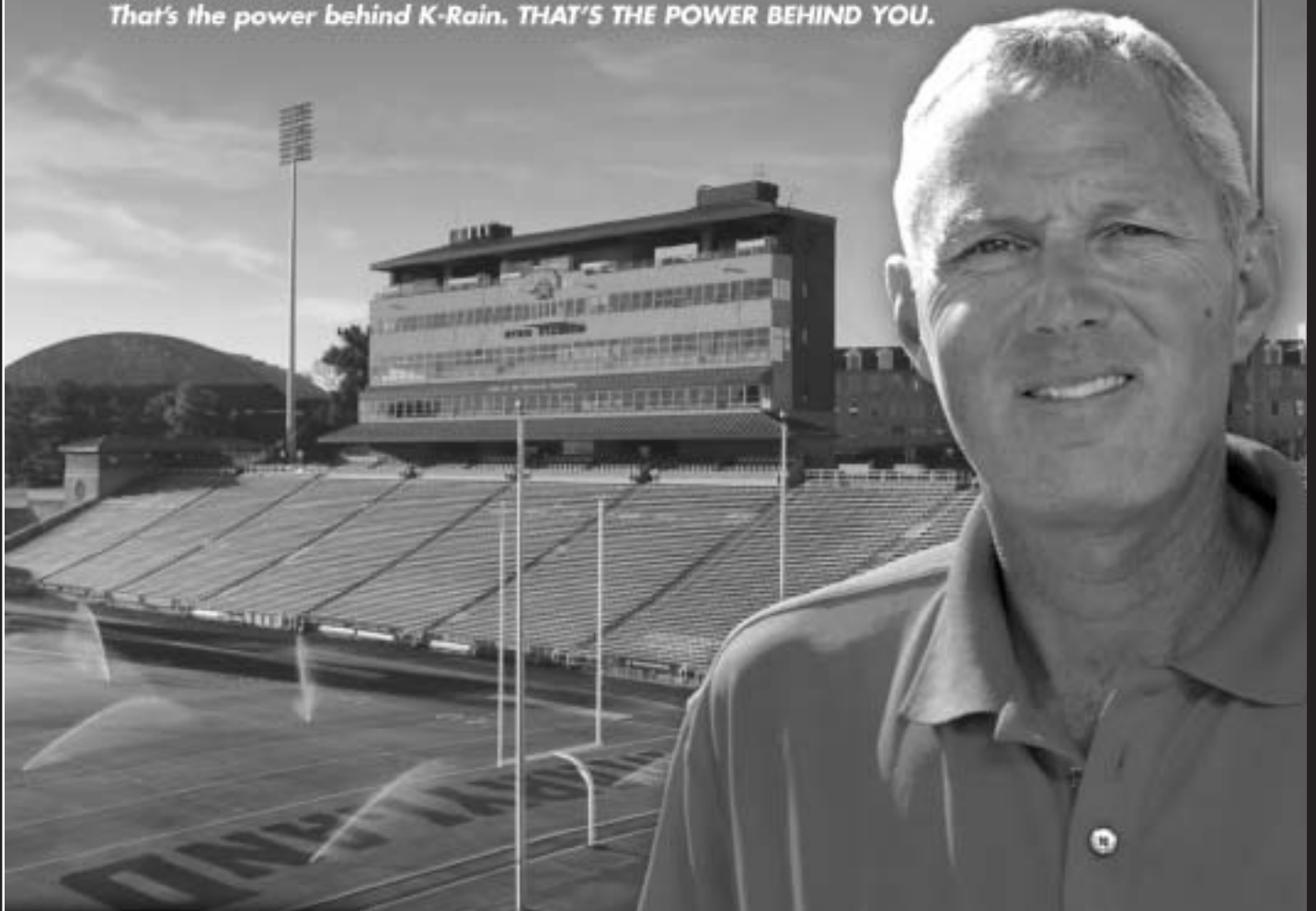
**AWARDS:**

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).

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# Rutgers Corner - Broadleaf Weed Control in Cool Season Turfgrass

Dr. Steve Hart\*

*Editor's Note: This article, along with information related to the effectiveness of herbicide active ingredients on specific broadleaf weeds, can be accessed as a Rutgers Cooperative Research and Extension Fact Sheet (FS385) at [www.rcrc.rutgers.edu/pubs](http://www.rcrc.rutgers.edu/pubs)*

The presence of broadleaf weeds not only reduces the aesthetic quality of the turf, but more importantly they compete with the desired turfgrass for water, nutrients, and light. Failure to control these weeds often results in a deterioration of the turfgrass stand over time. Broadleaf weed infestations are often symptomatic of a more basic cultural or soil problem in many cases. If these problems persist, weeds also will be a continuous problem. Thus, a sound weed management strategy not only includes removal of existing weeds, but also using corrective management measures for the factors causing poor quality turfgrass.

## Cultural Control of Broadleaf Weeds

The numbers and types of broadleaf weeds found in turfgrass are greatly influenced by management and cultural practices. For example, close mowing and too little nitrogen favor white clover. Close mowing also favors weeds such as carpetweed, spurge, plantains, and dandelion. Poorly drained areas favor weeds such as ground ivy, while compacted sites favor knotweed and plantains.

Correcting improper management practices to maintain a dense, vigorous turf is the best and most lasting method for broadleaf weed control.

Of particular importance are proper fertilization, mowing, and watering. Several broadleaf weed species cannot be satisfactorily controlled with proper use of herbicides, further increasing the importance of proper cultural management to reduce the opportunity for their establishment and spread.

Herbicides should be considered an aid, but not a cure, for broadleaf weed problems in landscaped turf.

## Chemical Control of Broadleaf Weeds

In turf where broadleaf weeds have become a problem, application of an effective herbicide may be necessary for their removal so that the turf can be improved through better management and cultural practices. Several herbicides are available for broadleaf weed control, but weeds vary in response to different products. Thus, proper identification of the weeds is essential before the most economical and effective herbicide is selected. Suggested resources for weed identification include "Weeds of the Northeast" by Richard H. Uva, Joseph C. Neal, and Joseph M. Ditomaso available through Comstock Publishing Associates (a division of Cornell University Press). Also, two web sites can be accessed at [www.rcrc.rutgers.edu/weeds](http://www.rcrc.rutgers.edu/weeds) and [www.cook.rutgers.edu/~turf](http://www.cook.rutgers.edu/~turf), then click on turfgrass weeds.

(continued on page 9)



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**Rutgers Corner (continued from page 8)**

Two or more different herbicides are frequently sold as prepackaged mixtures. Most of the materials discussed are sold by several manufacturers, often under different trade names differing in formulation and concentration. Therefore, no rates are presented here. READ and FOLLOW carefully the label directions on the herbicide container. Applying rates too low may result in inadequate control, while applying rates too high may cause turfgrass injury. The following herbicides are available for the selective removal of broadleaf weeds from cool season turfgrasses.

**2,4-D** is the oldest and most widely used herbicide and provides broad spectrum weed control in turfgrass. This chemical is particularly effective for control of weeds with taproots such as dandelion, broadleaf plantain, mustards, and shepherd's purse. Amine formulations are most commonly used. However, the low volatile ester form of 2,4-D is often recommended for control of wild garlic and wild onion. Some weeds not controlled well by 2,4-D are white clover, chickweed, purslane, and ground ivy.

**MCPA** is chemically-related to 2,4-D and may be used as a substitute for 2,4-D in prepackaged mixtures. MCPA is not a broad spectrum herbicide as is 2,4-D and its use alone (i.e., not mixed with another herbicide) is not usually recommended.

**MCPP** is most effective in the control of several perennial or winter annual weeds such as chickweed and clovers.

**Dicamba** controls many different weeds, several of them are not easily controlled by 2,4-D or MCPP. Of particular importance are the summer annual weeds that have a prostrate growth habit, including knotweed, purslane, and spurge. Dicamba however, does not control plantains.

**Dichlorprop (2,4-DP) and Triclopyr** are sold in prepackaged mixtures with 2,4-D and provide broad spectrum weed control.

**Triclopyr + Clopyralid** is a non-phenoxy, prepackaged mixture sold only under the trade name of Confront. This mix also provides broad spectrum control of many common broadleaf weeds including oxalis. Clopyralid is now available alone under the trade name of Lontrel. Recently, several companies have started to sell herbicide combinations containing triclopyr and/or clopyralid.

**Isoxaben** is sold only under the trade name of Gallery, and is used primarily in the early fall for preemergence control of numerous winter annuals (especially henbit and common chickweed) and some perennial broadleaf weeds. It has no postemergence activity on emerged broadleaf weeds. Delay over-seeding for at least 60 days following application.

**Quinclorac** is sold only under the trade name of Drive. It effectively controls a few broadleaf weed species including white clover and corn speedwell, but the primary use of quinclorac will be for postemergence crabgrass control.

**Chlorsulfuron and Metsulfuron** are sold under the trade names of Corsair and Manor, respectively. Both herbicides are labeled for use (in some cases as a spot treatment only) on a limited number of cool season turf species (primarily Kentucky bluegrass). Both herbicides will kill perennial ryegrass and chlorsulfuron will kill tall fescue.

**Carfentrazone** is a quick acting herbicide that will cause rapid desiccation of the foliage of many broadleaf weed species. It will only be sold in combination with other herbicides such as 2,4-D, MCPP and dicamba.

*(continued on page 10)*

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### Herbicide Mixtures

The use of mixtures of the above-mentioned herbicides is very common. Combination products result in the control of a broader range of weeds than single herbicides. Some herbicide mixtures may effectively control certain weeds that cannot be easily controlled by the individual herbicides used alone. Some commonly used herbicide mixtures are: 2,4-D + MCPP; 2,4-D + dicamba; 2,4-D (or MCPA) + MCPP + dicamba; 2,4-D + dichlorprop; 2,4-D + triclopyr and clopyralid + triclopyr. These herbicides will successfully control many broadleaf weeds found in cool season turf. The best times of year to control most broadleaf weeds are fall (especially late September) or spring (especially May).

To use these herbicides effectively for broadleaf weed control in turf, remember several points:

1. **READ** and **FOLLOW** the label directions **CAREFULLY**.
2. Spray when the temperature is above 70°F and the weeds are actively growing. Do not spray when the temperature is over 85°F because turfgrass injury may result and some of these products (i.e., low volatile esters) are prone to volatilization causing injury to nearby ornamental plants.
3. Treat only when soil is moist and plants are growing vigorously. Do not apply herbicides during drought periods or when soil is dry.
4. Do not mow one day prior to and after spraying.
5. Spray formulations (i.e. liquids) are generally more effective than granular forms of broadleaf herbicides, but granular products are easier to handle and apply, especially for homeowners.
6. Apply granular formulations when the foliage is moist, during early morning hours when there is a heavy dew.

### Precautions for Using Broadleaf Herbicides

1. Ornamental plants, trees, shrubs, and vegetables can be susceptible to these chemicals. Do not spray around homes and gardens when there

is a wind. Even a slight breeze is likely to carry spray droplets to susceptible ornamental and garden plants. Ester formulations (even low-volatile types) are volatile and are therefore more likely to injure nearby ornamentals and vegetables when sprayed at high temperatures.

2. Dicamba is included in many herbicide combination products and also in some weed and feed (fertilizer-herbicide) combinations. This chemical and other broadleaf herbicides move readily in some soil types and can be absorbed by plant roots. Therefore, products containing dicamba in particular should not be used near the drip-line of trees or near ornamentals where it can be absorbed by roots.
3. Do not use any of these herbicides on newly-seeded turf. Wait until the new lawn has been mowed at least three times before treating (usually about 6 to 8 weeks after seedling emergence).
4. The herbicides listed in this publication are safe to use on established tall fescue, Kentucky bluegrass, perennial ryegrass, and fine-leaf fescues (i.e., strong creeping red, hard, Chewings, blue and sheep). All herbicides have the potential to cause some foliar yellowing. Do not use 2,4-D on turf where bentgrasses or roughstalk bluegrass are considered desirable species.
5. Thoroughly clean the sprayer tank, hose, and boom after using herbicides. One sprayer should be used for turf and another for spraying ornamentals. Do not allow spray mixtures to spill or leak onto areas where they can be taken up by foliage, roots of trees, or ornamentals.
6. Keep herbicide containers closed, properly labeled, and safely stored.
7. Always store a pesticide in its original container.

\* Dr. Steve Hart is Extension Specialist in Weed Science, Rutgers University



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Renovation with a RotaDuron produces a deep, fine soil seed bed which reduces the time a field is out of play.

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