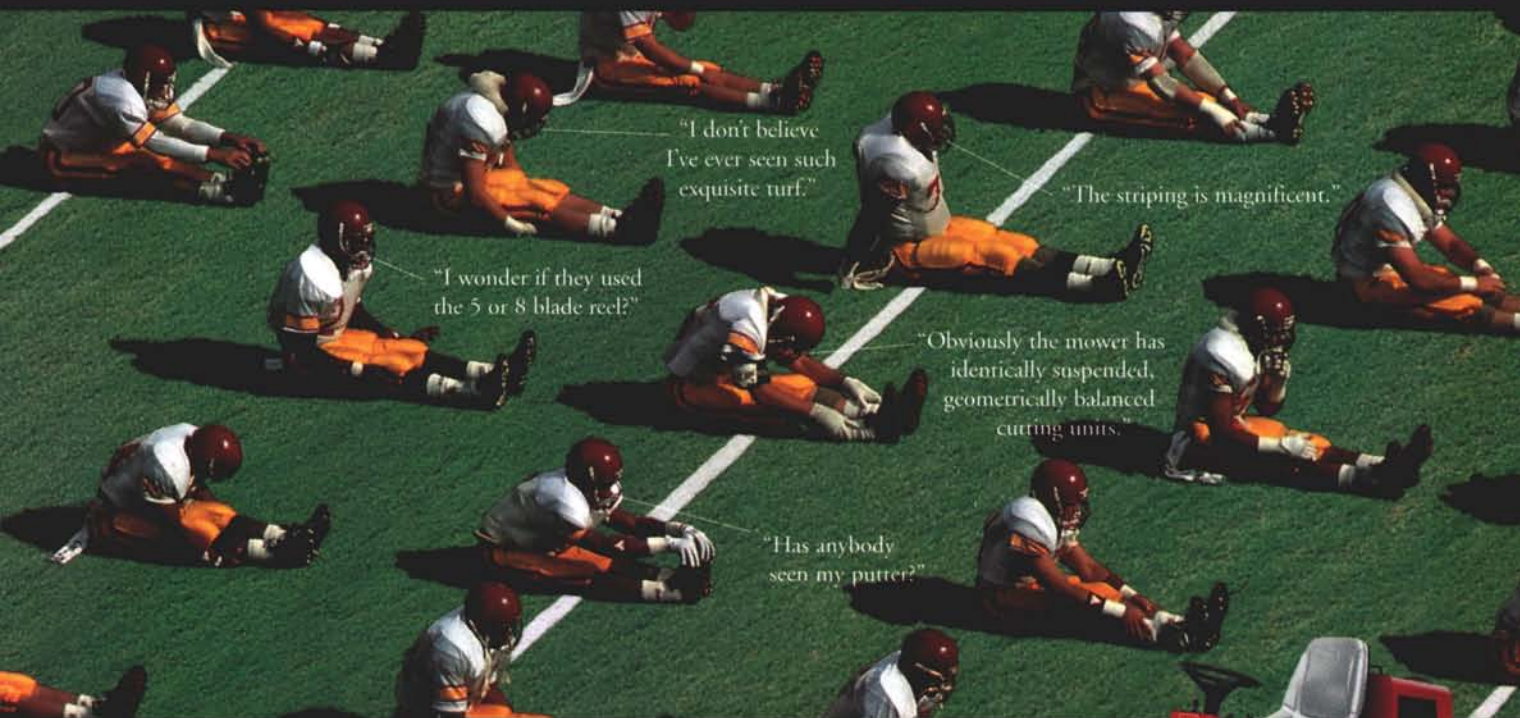
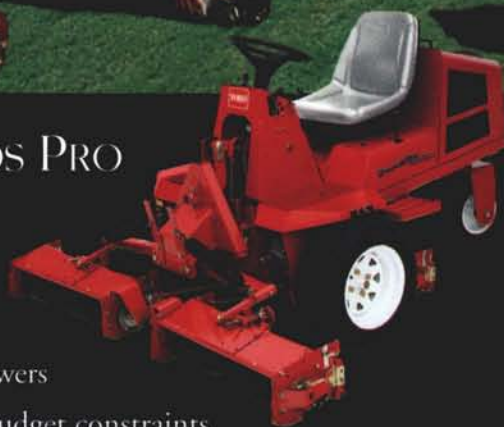


SUDDENLY THE 50 YARD LINE FEELS A LOT MORE LIKE A FAIRWAY



INTRODUCING THE NEW TORO GROUNDS PRO GOLF COURSE QUALITY WITHOUT THE GREENS FEES

The new Grounds Pro™ 2000 is the first reel mower designed for sports fields. It features a reel blade design that gives you a smoother, more professional cut than a rotary. Yet, unlike reel mowers made for the golf course, the Grounds Pro is designed to fit the budget constraints most sports field managers face. And its value grows when you add any of its productive attachments. Ask your Toro distributor about the Grounds Pro or check it out at www.toro.com/grounds/sports.



TORO GROUNDS PRO™

© 1998 The Toro Company

*It's about
productivity*

Circle 101 on Inquiry Card



When Only The Best Will Do ... Go With Quality Seed From Pennington.

At Pennington, we know what kind of grass you want for your turf and we've spent years perfecting it. Seed that puts down roots quickly and is resistant to hungry birds and insects. In short the seed should be Penkoted[®], as all Pennington Seed can be. The grass should have a deep green color and the durability you require, especially during the harsh winter months. For these very reasons we have developed our elite varieties of Perennial Ryegrasses . . . Shining Star, Wind Star, Wind Dance, Morning Star and Sonata, and our top quality turf type tall fescues . . . Plantation, Duster, Virtue and Bandana.

Every bag of Pennington seed is the result of fifty years of research and experience. Only the best new varieties of grass are selected to wear the Pennington logo...so you can always rely on Pennington for the results you want. With Pennington, the quality is in the bag.

PENNINGTON SEED. QUALITY YOU CAN TRUST.



CALL PENNINGTON SEED AT 1-800-277-1412 FOR A DISTRIBUTOR NEAR YOU • www.penningtonseed.com

sportsTURF

PROGRAM

VOLUME 15, NUMBER 1

JANUARY 1999

Cover Story

12 Surviving Winter Injury

Steve and Suz Trusty suggest ways to protect your turf in harsh winter conditions.

Main Events

8 Dr. Henry Indyk: sportsTURF's 1999 Man of the Year

sportsTURF recognizes Dr. Indyk for his innumerable contributions to the industry. Colleen Heraty profiles the man that helped put STMA on the map.

10 Certification: Why, How, and When?

Dale Getz and Steve Trusty give an update on STMA's developing certification program.

16 Special Memo to All Sports Turf Managers

STMA President Steve Guise discusses the benefits of association involvement. He highlights STMA's history, and looks into the association's future.

22 Future Sports Fields

Jim Puhalla looks into future of sports turf management.

32 Field Focus: When Fans Take the Field

Bob Tracinski tells how the crew at Neyland Stadium repaired damage caused by fans who rushed the field after this year's Florida-Tennessee game.

38 Forward Motion

A University of California-Riverside research team presents its study: "Movement of nitrogen fertilizer in a turfgrass system."

Line-Up

Front Office	6
Tip o' the Month	6
Calendar	7
STMA Message	7
STMA in Action	26
Rookies	36
Product Spotlight	40
In the News	42
Advertisers' Index	44
Classifieds	45
Q&A	46

On the Cover:



In cold-weather regions, periodic snow removal can help avoid injury to the turf.

Adams
BUSINESS MEDIA

Sports Turf Managers Association

sportsTURF

2101 S. Arlington Heights Rd., #150
Arlington Heights, IL 60005
(847) 427-3005 Fax: (847) 427-2006
web: <http://www.greenindustry.com>
e-mail: sberens@mail.aip.com

THE OFFICIAL PUBLICATION OF THE SPORTS TURF MANAGERS ASSOCIATION

PRESIDENT STEPHEN GUISE
PAST PRESIDENT MIKE SCHILLER
PRESIDENT-ELECT RICH MOFFITT
COMMERCIAL
VICE PRESIDENT BOB CURRY
SECRETARY L. MURRAY COOK
TREASURER BOB PATT
STMA BOARD MEMBERS TOM BURNS, BOB CAMPBELL, MARY OWEN, TIM MOORE, LYNDA WIGHTMAN
EXECUTIVE DIRECTOR STEVE TRUSTY

STMA OFFICE

1375 ROLLING HILLS LOOP, COUNCIL BLUFFS, IA 51503

PHONE: (800) 323-3875

E-MAIL: SportsTMgr@aol.com

WEB SITE: <http://www.aip.com/STMA>

EDITORIAL TEAM

EDITOR DIRECTOR ROB BENES
EDITOR STEVEN BERENS
847-427-3005

CALENDAR EDITOR STEVE NOE

PRODUCTION TEAM

PRODUCTION DIRECTOR STEVE GARLAND
GRAPHIC ARTIST DARYL JACKSON
PRODUCTION MANAGER ANNA KAKOTIRI

ADAMS BUSINESS MEDIA

PRESIDENT MARK ADAMS
EXECUTIVE VICE PRESIDENT THOMAS J. CORCORAN
SENIOR VICE PRESIDENT/OPERATIONS PEGGY BILOUS
CHIEF FINANCIAL OFFICER GEORGE KANE
VICE PRESIDENT/HUMAN RESOURCES MARGIE DAVIS
DIRECTOR/MIS PETER BALINT
VICE PRESIDENT/CIRCULATION ROGER DIGREGORIO
DIRECTOR/INTERNET DEVELOPMENT GARY CORBETT

DIRECT MAIL LIST SALES

BOB DOW
(847) 427-2075

AA REPRINT SERVICE

LISA ADKINS
(847) 427-2024

SUBSCRIPTION SERVICES

PHONE: (609) 786-6805; FAX: (609) 786-4415

ADVERTISING TEAM

SEE PAGE 44

Publisher's Notice: We assume no responsibility for the validity of claims in connection with items appearing in sportsTURF. Reader Service Numbers are given to facilitate further inquiry.

sportsTURF Magazine (ISSN 1061-687X) is published monthly by Adams Business Media. Material in this publication may not be reproduced or photocopied in any form without the written permission of the publisher.



Copyright © 1999. Member of the Business Publications Audit of Circulation, Inc.



SUBSCRIPTION RATES

ONE YEAR \$40 TWO YEARS \$65

FOREIGN (ONE YEAR) \$65 • \$130 Airmail or Single Copy \$5

CHANGE OF ADDRESS AND SUBSCRIPTION INFORMATION

Provide old mailing label and new address; include ZIP or postal code. Allow 6-8 weeks for change. Send correspondence regarding subscription service to: sportsTURF, P.O. Box 10515, Riverton, NJ 08076-0515, (609) 786-6805.

PERIODICALS POSTAGE PAID at Cathedral City, CA, and at additional mailing offices.
Postmaster: Please send change of address to sportsTURF, P.O. Box 10515, Riverton, NJ 08076-0515.



THERE MAY BE OVER 1,500 DOLLARS BURIED IN YOUR FIELD

Reliable 640 Sprinklers have always been worth their weight in gold. And we're going to prove it, by giving away \$1,640 to the commercial turf or sportsfield manager with the oldest units in use. Considering that Toro sprinklers are built to last 10, 12, even 15 years or more, that could make for some stiff competition. So everyone who enters is also eligible for a drawing for another \$640. And if you're about to invest in a new system, you're in luck, too. Because today's design features our co-molded rubber cover for enhanced player safety. Buy it. Bury it. Forget it. (At least, until the next contest.) Contact your Toro distributor for contest details or to find out more about reliable 640 Sprinklers.

TORO IRRIGATION

*It's about
reliability*

Circle 103 on Inquiry Card



The Big Get Bigger

This past November, I visited the Opryland Hotel Convention Center in Nashville, TN, to attend the Green Industry Expo (GIE). The event brings together three of the industry's most influential associations for one of the biggest

horticultural trade shows of the year.

The Professional Lawn Care Association of America (PLCAA), Professional Grounds Management Society (PGMS), and Associated Landscape Contractors of America (ALCA) joined forces to bring out the best new products and services the industry had to offer. PLCAA Executive Vice President Tom Delaney reports, "PLCAA significantly increased its attendance over last year's conference in Charlotte, NC, and had one of its best conference showings this decade. Opryland was a big draw for all the GIE association partners, and we've received rave reviews on the whole show."

This high turnout reinforces the thoughts I expressed in November's Front Office. While small regional expos are posting disappointing attendance numbers, the big shows continue to grow.

Interestingly enough, this phenomenon may reflect the direction the green industry is taking. Like many other industries, ours continues to move toward consolidation. One of the most common topics discussed at GIE was the current wave of corporate buyouts of landscape contracting businesses. Large companies like TruGreen/ChemLawn continue to claim a bigger share of the market each year.

It's unclear how these developments will effect sports turf maintenance, but they're bound to have an impact down the line. There's a reason why America took on the great monopolies of the past, but that seems to be forgotten as giant, global mergers constantly fill news reports.

Stay tuned. . .

Fortunately, the STMA Conference in Mesa, AZ, promises to buck the trend of waning attendance that's been plaguing the smaller turf trade shows this year. The association plans to build on the success of last year's event, and there's plenty on the schedule to make the trip worthwhile (if being in Arizona in the middle of January is not reason enough).

One of the highlights will be the presentation of *sportsTURF's* Man of the Year, Dr. Henry Indyk (see pg. 8). We considered many well-qualified, deserving candidates during the selection process this year, but for Henry the honor is clearly overdue. His countless contributions to the industry and his years of service to STMA made Dr. Indyk an obvious choice.

If you can't make the trip this year, think about including it in next year's agenda. *sportsTURF* will bring as much of the action to you as possible in upcoming issues, but it will be impossible to replicate the multitude of educational opportunities offered this year.

Mark your calendar today for next year's conference in St. Louis Jan. 12-16.

Steve Berens, Editor
(847) 427-3005

Tip o' the Month

Fungo

Hitting

Areas

by Floyd Perry

Most pre-game batting practices involve multiple areas of activity, and many of those activities go on simultaneously. One section of the field that creates a tremendous amount of turf stress is the fungo hitter's area.

Here are some ways groundskeepers have solved this problem:



Double, turf-covered circles six-foot in diameter allow four hitters to go at the same time.



An oblong, ovular fungo area allows hitters and fielders to stay in the same area without turf tear-out.

Continued on pg. 43



February 3-5

Turfgrass Producers International (TPI) Midwinter Conference & Exposition, Hyatt Regency, Tampa, FL. Contact TPI: (800) 405-8873.

February 15-28

Long Island Turfgrass Management Short Course, Long Island, NY. Contact Cornell University: (607) 255-1792.

February 17

Penn State Cooperative Extension's Winter Grounds Seminar, Penn State University. Contact Judith Schwank: (610) 378-1327.

February 20-24

Western Canada Turfgrass Association's (WCTA) 36th annual Conference & Show, Penticton Trade & Convention Centre, Penticton, BC Canada. Contact WCTA: (604) 467-2564.

February 22-23

New York State Turfgrass Association's (NYSTA) Southeast Regional Conference, Holiday Inn, Suffern, NY. Contact NYSTA: (800) 873-8873.

February 22-26

Midwest Regional Turf Foundation's Indiana-Illinois Turfgrass Short Course, Willowbrook, IL. Contact Bev Bratton: (765) 494-8039.

February 23-25

Western Pennsylvania Turf Conference & Trade Show, Monroeville, PA. Contact Pennsylvania Turfgrass Council: (814) 863-3475.

2000

January 12-16

STMA 11th annual Conference & Exhibition, St. Louis. Contact STMA: (800) 323-3875 or (712) 366-2669.

STMA MESSAGE

Sports
Turf
Managers Association



A Clear and Sunny Forecast

"The forecast is clear and sunny." These words cheer every sports turf manager, whether they're announced prior to a critical game or before scheduled field maintenance procedures.

As we move closer to the new millennium, clear and sunny is the forecast for the STMA. The 1998 Awards and Scholarship Program is one good indicator of this.

Scholarship applicants were impressive in all three categories: two-year undergraduate, four-year undergraduate, and graduate level.

With six scholarships awarded this year (twice the number awarded last year), the judges again reported that there were additional worthy, well-qualified individuals that were deserving of scholarships, but funding was not available.

It's great that the STMA is receiving such high-caliber applicants. And it's even greater that these individuals are targeting a career in sports turf management.

It would be even better if STMA had funds available to award more scholarships. We could provide even more encouragement to these intelligent, highly motivated students.

The two-year program scholarship continues to be funded by the contribution made in honor of Fred Grau. The Toro Company provided two additional scholarships to honor Dr. Jim Watson, a supporter and friend.

The rest of the scholarship funding for 1998 and previous years has been provided by STMA Conference attendees. Proceeds from our live and silent auctions and raffles go directly to our scholarship fund. Thanks to all those who have participated in these events, and thanks to those who have contributed the items that keep these traditions successful. STMA, the students receiving the scholarships, and the entire green industry benefit from your support.

The Field of the Year entries were also excellent again this past year. Entries represent the commitment and dedication of every member of each crew.

Only one entry in each category can come out on top. Judging them can be like sifting through precious jewels, ranking each one on the individual attributes that combine to make it so special.

Earning the Field of the Year designation is not an easy process. Many fields enter several times. Maintenance programs may be fine-tuned and entry packages refined here and there along the way until the top ranking is achieved.

Each great field lifts the standard one notch higher, and the ultimate winners are the athletes who get to play on them.

Another sunny topic is *sportsTURF's* selection for Man of the Year: Dr. Henry Indyk. Having worked with Henry on the STMA Board for seven years and on the Certification Committee since its formation, I know this honor is well deserved — and I add my personal CONGRATULATIONS!

Stephen Guise, STMA President
(714) 704-0403

Dr. Henry Indyk: *sportsTURF's* 1999 Man of the Year

by Colleen Heraty

Take a little persistence and hard work, mix in intelligence and a friendly smile, add integrity and generosity, and you come up with Henry Indyk, *sportsTURF's* Man of the Year for 1999.

Asked to describe Dr. Indyk, everyone interviewed for this article mentioned the word "willing." Without Indyk's help, the STMA would not be where it is today.

Indyk played a key role in saving the association seven years ago when it was deeply in debt and in danger of collapsing. There were many times when he spent money from his own pocket to travel to meetings and provide food for attendees before the association gained widespread recognition and corporate support. He never gave up, and his leadership helped build the solid foundation on which the organization stands today.

STMA has evolved into a well-respected organization, and it's growing faster every year. The association has come a long way since those early days when it couldn't even afford to feed members lunch at meetings. Now, STMA's scholarships help a new generation of groundskeepers speed the momentum Dr. Indyk helped create.



Dr. Henry Indyk with Dr. Dick Caton at the 1993 STMA Conference.

Courtesy: STMA

Personal accomplishments

A retired consultant and former professor, Indyk's list of accomplishments is as rich as it is long.

Indyk holds a BS degree in Plant Science-Soils from Rutgers University. He earned his MS and Ph.D. in Agronomy-Soils at Penn State University.

Henry remained active in the academic community throughout his career. He served as a research agronomist for the University of Delaware, and was extension specialist in turfgrass management at Rutgers University.

As turfgrass consultant for Turfcon, Indyk focused primarily on sports fields and golf courses. He has also worked as consulting editor for Time-Life Books, Ortho Lawn Books, and Brooklyn Botanic Garden Lawn Book.

Henry's record of service to the STMA is just as impressive. He served on the STMA Board of Directors as secretary, and stepped down at the end of his second term as commercial vice president in December 1997.

Henry co-chaired most of STMA's annual conferences since he became active in the association. He continued in an advisory capacity for the 1997 event.

Indyk has played an instrumental role in STMA's committees as well. He served on the Awards Committee until the end of 1997, when he stepped down as part of the natural rotation.

He also supported STMA's Certification Program since its inception. He helped pioneer this important program as co-chair of the Certification Committee.

In 1994, STMA recognized Indyk's contributions to the association and the industry as a whole with its most prestigious award: the Harry C. Gill Award. One of the four Founders Awards, the Gill Award honors STMA's groundskeep-



Left to right: Eugene Mayer, Steve Guise, Greg Petry, Mike Schiller, Dr. Henry Indyk, and Gil Landry.

Courtesy: STMA

er of the year. It recognizes long-term commitment to the association's goals and standards.

Peer respect

Greg Petry, executive director of the Waukegan (IL) Park District, first ran into Indyk at the Vero Beach STMA Conference. Indyk was walking on the ball field checking things out, lifting things up, and turning things over to see what makes them tick.

"Even though he's a Ph.D, he balances things with research and the practical side of things," Petry says. "He knows how to take technical research-oriented information and apply it practically."

Petry, who served with Henry on the STMA Board for several years, describes Indyk as someone you can count on to deliver. He says that Henry is a lot of fun to be around and is always one step ahead of everybody: "He doesn't sit on the sidelines



STMA Board members at BOB in November 1997. Courtesy: STMA

and be a critic. He jumps in and says, "What can I do to make it better?"

Dr. Gil Landry, extension turf specialist at University of Georgia, served with Henry on the STMA Board from 1992-96. Landry describes Indyk as an industry leader, not only in his state and region, but nationally as well.

Landry applauds Indyk for taking time out of at least six of his retirement years to serve on the STMA Board after 30-some years of work. "A lot of that speaks for Henry's personal integrity and his willingness to serve for the benefit of others," Landry says. "It would be great if we could find a few more Henry Indyks in the future.

"You don't get involved in things as Henry does without being criticized at some point in time," Landry says. "That's just an example of his dedication, to accept criticism and to do what he believes is right."

Mike Schiller, superintendent of parks for Rolling Meadows (IL) Park District, also served with Indyk on the STMA Board. They currently work together on the Certification Committee.

"He always has a smile on his face and manages to make you feel comfortable," Schiller says. "He makes you feel like the most important person in the room when you talk to him."

"During these past few years, Indyk has really been a part of the glue that keeps the organization moving in a forward direction," says regular *sportsTURF* columnist Dave Minner. "He has given us a forward vision and kept us on track."

STMA President Steve Guise has worked closely with Indyk for the past seven years. He says, "There's no one who has done more for the education and structuring of our organization than Henry has done over these past seven years," Guise says. "He's more than just an associate, he's our friend."

Richard Caton, Indyk's former business partner in Turfcon, is now executive director for the New Jersey Turfgrass Association. He remembers, "We always had great debates when we traveled together. Over the years, we have settled all the major problems of the planet. Some in my favor; most in his."

The two still enjoy a close professional and personal relationship. Caton says, "I consider him to be the

finest athletic field expert in terms of design, construction, and maintenance, in my judgment, in the world," Caton says. "He's certainly a marvelous soil scientist, and has made countless contributions to the state of the art for over 35-40 years." □

Colleen Heraty is editor of Arbor Age. She can be contacted at: cheraty@mail.aip.com.

SCORE with our Turf.

Suppliers of sod to the
1998 Super Bowl
and World Series.

**WEST COAST
TURF**

GROWERS AND
INSTALLERS OF
PREMIUM QUALITY
SOD AND STOLONS

(800) 447-1840 www.westcoastturf.com

Certification: Why, How, and When

by Dale Getz and Steve Trusty

In March 1997, the Sports Turf Managers Association (STMA) Certification Committee began developing a much-needed Certification Program to serve the sports turf industry. When it's up and running, the program will boost the profile of sports turf managers across the country, and it will lend further credibility to the profession as we move toward a new millennium.

Why?

Certification will provide a vehicle to raise the level of professionalism within the sports turf industry. It will establish credentials that signify a specific level of expertise to open career opportunities and promote the profession. It will provide a means of recognition for attaining a level of expertise

and performance as professionals in the industry. It will also stimulate and motivate improved performance and increased professionalism.

Certification will increase opportunities for education and training. In addition, the recognition achieved through certification will create and promote better salary opportunities.

How?

Certification applicants must earn a minimum of 40 points through a combination of education and experience as outlined in **Figure 1**.

Potential applicants will receive a packet containing a credentials booklet which outlines the basics of the program and application procedures. Application forms and

education worksheets will be included in the packet.

Applicants will find a List of Competencies in four main areas: agronomics, pest management, administration, and sports-specific field management. Each segment is introduced by the statement, "In order to qualify for certification, potential applicants should be able to..." Specific competencies in that area follow.

A Resource List for the Sports Turf Manager, a general educational tool which is available from STMA Headquarters, is also included in the certification applicant packet.

Qualified applicants will be scheduled for a written multiple-choice test developed for the four major sections. These proctored tests will be conducted at accepted assessment centers.

Figure 1. Draft of basic requirements for certification consideration **

BASIC REQUIREMENTS

An application and resume will be submitted for evaluation to determine eligibility to take the certification test. Applicants must have a minimum of a high school diploma or equivalent. Applicants must achieve a minimum of 40 points through a combination of education and experience with the following criteria:

EDUCATION AND EXPERIENCE POINTS

Program	Education	Points
<i>(See current list of approved programs)</i> Note: These points may be added to points listed below. Points listed below are not cumulative. Applicants can only receive points for the highest educational level achieved.		
Associate Degree		
Non-turf		2
Turf or related plant science		8
Bachelors Degree		
Non-turf		8
Turf or related plant science		16
Advanced Degree: Masters or Doctorate		
Turf or related plant science		24

Activity	Experience	Points/year*
Sports Turf Crew		1
Supervisory Sports Turf (Assistant, Foreman, or Lead Position)		3
Sports Turf Manager (Top Position)		6
Assistant Golf Course Superintendent		1 ¹ / ₂
Golf Course Superintendent		3

NOTE: No more than 50 percent of total experience points can be earned on a golf course.

* **A minimum of 1500 hours must be spent on the job to qualify for each claimed year.**

** Formal review of these requirements was not completed when this publication went to print.