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It didn't take much to give NuStar our Green Seal of Quality—much water that is. It maintained its deep dark green color with hardly any of the wet stuff. And because NuStar's a Green Seal turf, you can be assured it's one of the world's premium turfgrass varieties.

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1995
SPORTS TURF MANAGERS ASSOCIATION
CONFERENCE & EXHIBITION
FEBRUARY 4-8, 1995
PIRATE CITY, BRADENTON, FLORIDA

Make plans now to learn and review the essentials of sports turf management in the heart of baseball spring training country. Pirate City and McKechnie Field, winner of the 1993 Baseball Diamond of the Year Award, are located just south of Tampa/St. Petersburg.

What better place to launch a tour of premier amateur, professional, and municipal sports turf facilities? Besides the Seminar on Wheels, the conference features seminars on the diamonds at Pirate City, an exhibition of equipment and supplies, including demonstrations, and plenty of opportunity to ask fellow sports turf managers for their solutions to your most challenging problems.

The annual meeting is also your opportunity to get involved in the Sports Turf Managers Association, the only organization of its kind in the U.S. Representatives from all STMA regional chapters will be there to help you start a chapter in your own area.

While you're in Florida, don't miss the beaches, golf and wealth of theme parks and movie studios.

Start 1995 off right with the STMA Conference & Exhibition in Bradenton! Watch for more details in the coming months.

SPORTS TURF MANAGERS ASSOCIATION
401 North Michigan Avenue • Chicago, Illinois 60611
(312) 644-6610
MAIN EVENTS

10 STMA Soccer Field of the Year: University of Wisconsin, River Falls
Despite a tight budget, groundskeeper Tom Foley utilized his experience with the Chicago Bears and Kansas City Chiefs to turn a bumpy intramural field into a regulation-size, top quality soccer field for the University's new NCAA women's team.

14 Are You Improving Drainage or Just Burying Your Money?
Soils expert Chuck Dixon explains that incorporating sand or digging trenches in a poorly draining field could be a waste of money. Don't cover up your French drains with soil, he says. Let sand on the surface direct water to the trenches for removal.

17 Portable Pumps Work in a Pinch
If rain is a common occurrence in your area, a portable pump would be a wise investment. Puddles can be eliminated in minutes with the pumps to enable the game to go on.

19 Field Covers, The Foul Weather Player
You can protect your field from rain, snow and concert crowds with an assortment of field covers. You can also speed up germination and turf establishment.

23 Playability Equals Profits
Teams pay to play at Cal State in Fullerton, so mistakes in design or maintenance can spell financial disaster. Merton Johnson, landscape manager, justified the cost of installing improved drainage by satisfying professional and World Cup Soccer clubs.

25 First Industry Survey Establishes Benchmarks
Results from a survey of 2,000 sports turf managers reveal the similarities and differences among types of facilities. The joint STMA/sportsTURF project is the first in history.

LINE-UP

6 FRONT OFFICE
6 EVENTS
8 STMA IN ACTION
30 ROOKIES
34 CLASSIFIEDS
34 AD INDEX

On The Cover:
The now-famous circular mowing pattern creating by Eric Adkins at Chicago Soldier Field during World Cup '94. Photo courtesy: Jacobsen Div./Textron.
The Topdresser Store

1. **Turf-Topper**  The first of its kind 12 years ago. Still the best. It's been copied but never equalled in accuracy and uniformity of material placement. Nor in speed, stability, safety, easy maintenance and operator convenience. Capacity 4.1 cu. yd.


3. **Super-Topper**  Hydraulically controlled and ideal for any large sports complex. Capacity 202 cu. ft. (7.5 cu. yd.). Spreading width 6'-6". Softshoe tires maintain surface pressure of 14 psi.

4. **Turf-Topper-Plus**  This is the original (No. 1) equipped with a dispensing brush to handle heavy, organic matter including grass clippings.

5. **Sport-Topper**  NEW medium size hydraulic. Spreading width 58". Extremely accurate, especially with sand. Pussyfoot treadless tires maintain surface pressure of 8-10 psi.

We'd like to show you our top-dressers working on your turf, but we want you to look at others too. This is not a decision to make in a hurry. But if you find one better than Bannerman BUY IT.

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$800 Million and Counting

Ten years ago, the concept of a magazine for sports turf managers started to take form. The Sports Turf Managers Association was a couple of years old and operated by Kent Kurtz out of a small room in his garage. A bunch of us, mainly the more famous groundskeepers in football and baseball, got together every chance we could at turf shows around the country. The Midwest Turf Show was our favorite.

We felt overshadowed by the golf and lawn care industries. Our greatest reward was being on the best stadium fields in the country along with star players. Still, my pals wanted the recognition they deserved for making professional and amateur sports safe and on schedule. Unfortunately, we lacked the numbers to gain the attention of manufacturers.

Until this month, there has not been reliable data on the non-golf segment of the sports turf industry. The first-ever stab at documenting our size appears in this issue beginning on page 25. Have a look and send me your thoughts. It is absolutely critical to polish these numbers to the point that no company can dispute this industry’s importance. Eight hundred million dollars should wake up a lot of people!

I admit, this important information was too long in coming. A lot of great people never got the recognition they deserved. Perhaps the most overlooked are the dedicated groundskeepers at schools, colleges and universities, and parks. They don’t get autographs from million dollar players for their kids. Unless of course, one of the kids who used to play on their fields made the big time.

Unfortunately, we still get together only at golf and turf shows. But that can change too. Think about coming to Bradenton, FL, next winter for your own show. The only golf you’ll have to discuss is your own round as you play.

Finally, let me just say that Matt Trulio is one of the finest journalists in this country. I miss his contributions already. He is still going to write now and then. The travel agents of the country are now benefitting from his penmanship and creativity.

Bruce F. Shank
Colorado State Awarded Research Grant

CSU Faculty, left to right: Dr. Harrison Hughes, professor of horticulture; Kreg Renzelman, Foundation Director; Dr. Dennis Lamm, asst. director of Cooperative Extension for Agriculture and Natural Resources; Dr. Tony Koski, assistant professor; John Collier, Foundation president; Dr. Robin Cuany, professor emeritus, agronomy; and Dr. Charles Laughlin, experiment station director.

The Rocky Mountain Turfgrass Research Foundation presented Colorado State University a check for $25,400 for turfgrass research to be conducted at the university. The Turfgrass Foundation has made research grants in excess of $125,000 to CSU during the last five years. The areas of study relate primarily to the arid high-altitude conditions of the Rocky Mountain Region. In addition to the research grants, the Foundation provides annual scholarships to turfgrass students.

Inventor Honored for Spreader Check

George Hamilton Jr. was awarded the “Innovator of the Year” award by the Northeast Weed Science Society for developing and patenting the PennPro Collector, the first device to make spreader calibration easy and accurate.

Hamilton is an instructor of turfgrass science at Penn State University, and joined the Agronomy Department in 1982. Prior to this he worked at a variety of turf-related positions for several golf courses and for a lawn-care company. It was during this time that Hamilton became aware of the importance of spreader calibration. At that time there was no easy way to accurately calibrate rotary spreaders used for distributing fertilizers, seed and granular pesticides. He spent three years developing and testing the piece of equipment before receiving his patent.

Bio Grounds Keeper, Sustane Merger Completed

Bio Grounds Keeper Inc. of Bloomington, MN and Sustane Corporation of Cannon Falls, MN, have completed their merger. The new company is known as Sustane Corporation and is based in Bloomington.

Sustane is one of the largest producers of organic and biological products for lawn, garden, turf and agricultural industries.

"Sustane Corporation now has one of the strongest distribution chains of any company in the commercial turf industry because of its combined product line, sales force and marketing and distribution efforts," President and CEO David Henderson said. "The new company's technical capabilities and financial support also have strengthened its product research and development programs. We plan to release several new products in 1994."

BSI Wins Design Award for Soccer Complex

BSI Consultants Inc. won a States Award from the California Parks & Recreation Society for its design work on a Mission Viejo, CA training facility that was used by the U.S. soccer team prior to the World Cup competition earlier this summer.

The award was in the 'Special Facility Design' category. A 10-person team designed the 3,700 square-foot full-service training facility, which also includes two soccer fields. The firm designed the site, prepared the working drawings and other construction documents, provided landscape architectural field review services and supervised all construction administration and inspection.

Medalist Names Two Turf Specialists

Scott Debolt and Bob Lake were recently named turf specialists by Medalist America of Albany, OR. Both men will handle outside sales of golf course equipment, seed, fertilizer, chemicals and irrigation systems.

Debolt serves distributors in Alabama, Mississippi, Arkansas, Tennessee and Florida. Lake will handle Medalist customers in Maine, New Hampshire, Vermont, Massachusetts and Rhode Island.

August 1994
PRESIDENT'S MESSAGE
By Greg Petry

Our annual conference and exhibition is scheduled for February 4-8, 1995 in Bradenton, FL at Pirate City. The conference committee of Mike Schiller, Schaumburg Park District; Henry Indyk, Turfcon; Mike Hurd, Pirate City; and Eugene Meyer, Scotts, are putting the final touches on the program.

The popular Seminar on Wheels will again start the conference. The bus tours will visit a sod farm, park, high school and polo facility. We will see some very capable professionals in action.

There are plenty of educational sessions planned. Topics such as safety, budgeting, equipment maintenance, laser-grading and soils are just a few. In addition, several sports turf sessions are scheduled that will cover the basics through the latest techniques. International guests are expected to share their perspective on managing sports turf.

I'm really excited about what is planned for this conference. Watch for the conference brochure and registration materials that will be mailed soon.

Let me share with you some of the reasons why groundskeepers should attend the conference:

1. Network with peers.
2. Hear experts from the sports turf industry.
3. Examine and try out a large display of equipment, products and services.
4. Save your time by being able to compare and shop in one place.

5. Find ways to stretch your limited resources.
6. Find relevant information on a variety of topics.
7. Education training, professional development and the latest information all in one place.
8. Pick up ideas on how to solve problems.
9. Learn from others who have made mistakes and have had successes so you can keep your operation on track.
10. Take part in hands-on demonstrations and instruction.
11. Get answers you've always wanted, but didn't know who to ask.
12. Build relationships with fellow professionals and vendors who can help you and your organization.

Plan to attend the best-ever conference on sports turf management!

STMA CHAPTER NEWS

STMA Florida Chapter #1 The South Florida Chapter will take part in the Florida Turfgrass Association Conference and Trade Show scheduled for September 18-21 at the Ft. Lauderdale Convention Center. A Chapter Hospitality Room will open at 7:30 p.m. on September 19 at the Marriott Hotel in conjunction with this conference.

For more information on the conference, the South Florida Chapter and other upcoming activities, contact: John Masaro, (305) 938-7477 or Ed Birch, (305) 938-0217.

Chesapeake Chapter The Chesapeake Chapter is working on plans for a September 15 Regional Institute to be held in conjunction with the National STMA. More details on this Institute will be announced.

The Field Users Guide for Sports Turf Managers will be available soon.

The STMA gained some great PR and other upcoming activities, contact: John Masaro, (305) 938-7477 or Ed Birch, (305) 938-0217.

Southern California Chapter In conjunction with the National STMA, the Southern California Chapter will hold a Regional Institute at UCLA on Wednesday, October 12. The Institute will focus on building a winning team with coaches, administration and turf professionals. This event will combine education sessions, a tour of UCLA sports turf facilities, and a top-notch trade show.

Featured speakers will include: Dr. Jim Beard, chief scientist for the International Sports Turf Institute Inc.; Steve Cockerham, superintendent of agricultural operations, UC Riverside and key member of World Cup Soccer's ACT team; Steve Wightman, turf manager of Jack Murphy Stadium, San Diego, CA; Neal Beeson, owner of Sports Turf & Facility Management Company, Anaheim, CA; and members of the UCLA coaching staff. Keynote speaker, UCLA Head Football Coach Terry Donahue will present "A Winning Game Plan."

Details on this Institute will be announced soon. For more information about the Institute, call Dave Ashman, (310) 206-6662.

For more information about the Southern California Chapter and upcoming activities, call Chris Bunnell at (619) 432-2421.

Midwest Chapter The Midwest Chapter holds board meetings on the second Wednesday of each month at 5:30 p.m. Contact Don Michaels at (708) 526-0007 for details.

In conjunction with the National Sports Turf Managers Association, the Midwest Chapter will hold a Sports Turf Institute at Northwestern University's Dyche Stadium in Evanston, IL on September 27, 1994.

Registration begins at 8:30 a.m. The Institute starts at 9 a.m. with the
Arden Jacklin, one of the original founders of Jacklin Seed Company, passed away recently in Spokane, Washington. Jacklin was 82.

Arden Jacklin, along with his father, brothers and a cousin started Jacklin Seed Company in 1935. From 1941 to 1985, Jacklin served as president of the company, and under his direction Jacklin Seed Company became the world’s largest producer of Kentucky bluegrass. “He was the driving force, the leader of the company’s growth,” said Don Jacklin, who along with his brothers, Doyle and Duane, now operates the Jacklin Seed Company.

After stepping aside as president and general manager, Jacklin devoted his time to research. He became director emeritus of Jacklin’s research program and continued to oversee research, visiting the office regularly, depending on his health.

Born in Waupaca, WI, Jacklin graduated from Bonners Ferry High in 1929 and earned a bachelor of science degree in agronomy from Washington State College, graduating with honors in 1933.

Prior to joining the family business in Post Falls, Idaho, Jacklin was an agronomist with the Soil Conservation Service from 1934 to 1941. He participated in a grant to research the first grass seed yield trials in the Northwest and planted the first field for commercial production in 1947.

Jacklin was well-respected in agriculture and other endeavors. He was the 1982 Honorary Member of the American Seed Trade Association as well as past Lawn Seed Division Chairman and director of the Association. Jacklin also served on advisory boards for the USDA and Washington State University.

Jacklin is survived by his wife Stella, sons, Don, Doyle and Duane Jacklin, daughter, Ardith Bryan, 11 grandchildren and eight great grandchildren.
Tom Foley and the STMA 1993 Soccer Field of the Year—
UNIVERSITY OF WISCONSIN AT RIVER FALLS

Player safety was the top priority in renovating the regulation soccer field for a NCAA women's team.

By Bob Tracinski

The game of soccer and collegiate women's sports have at least one thing in common, they are both fighting for recognition and parity with other sports. The University of Wisconsin at River Falls found a way to advance both causes, and in the process, captured the Sports Turf Managers Association Soccer Field of the Year Award for 1993. Two important reasons the campus won the prize are a skilled groundskeeper and the encouragement of a professional football franchise.

The River Falls campus is part of the University of Wisconsin education system. It offers undergraduate majors in 54 areas and minors in 59. Enrollment is approximately 5,100. Sports at UW-River Falls involves 18 teams. There are 40 acres of athletic fields, but only 23 acres have irrigation systems. Fields include: one full-sized football game field and three full-sized football practice fields; one standard softball field; one standard baseball field; and one standard women's soccer field—the 1993 STMA Soccer Field of the Year. The 23-acre intramural complex includes eight softball diamonds, two full-sized soccer fields (also used for intramural football); and three combination fields that are smaller than soccer-regulation size. Many of the fields are rented out for high school use during the summer.

In early 1991, the administration at UW-RF recognized that if women's soccer was to be a success, significant field renovation would have to occur. The school's teams have been part of the NCAA Division III program since 1991. Also since 1991, the Kansas City Chiefs football franchise has operated its training camp at the university. In many ways, the cooperative relationship with the NFL led to the development of an outstanding field.

At the heart of all this activity was Tom Foley, groundskeeper—athletic and turf. Foley welcomes each new challenge as a "stimulating experience" and has an enthusiasm for sports turf management that draws in learning opportunities the same way a magnet attracts metal. The Chiefs' summer camp program includes two to three intense practices a day. It's a weeding-out regime for potential players. It can also be a weeding-out for less-than-vigorous turf. "Working with the Chiefs' lead groundskeeper, Andre Bruce and his staff, and with consultant Jim Watson, on developing and implementing the Chiefs' plan was a super experience," says Foley. "Player safety was, and is, the top priority. All fields within the program receive the same degree of care. There is to be no difference between the practice fields and the game field. Even the field-painting is handled the same. There are so many details to take into account at the professional level. For example, if there is even a hint of possible rain, at least one of the fields is always covered prior to a game. It's important that each player be given a fair chance for peak performance."