

Membership Application



Experts on the Field, Partners in the Game.

Fax to: (785) 843-2977

Or mail with payment to:
Sports Turf
Managers Association
P.O. Box 414029
Kansas City, MO 64141

Name _____ Title _____

Employer/ Facility _____

Business Home

Address _____

City _____ State _____ Zip _____

Home phone _____ Work phone _____ Cell phone _____

Fax _____ Email _____

Signature _____

Direct Supervisor Name _____

Membership Category:

- Sports Turf Manager \$110
- Sports Turf Manager Associate* (Additional member(s) from the same facility) \$75

Please select the primary facility type where you are employed:

- Professional Sports Higher Education Schools K-12 Parks and Recreation

- Academic \$95
 - Student (verification of enrollment) \$25
 - Commercial \$295
 - Commercial Associate* (Additional member(s) from the same commercial company) \$75
 - Affiliate (Person who is indirectly or on a part-time basis, involved in the maintenance/management of sports fields) \$50
 - Chapter Dues (contact headquarters for amount)
Chapter name) _____ \$ _____
 - Contribution To SAFE Foundation (research, education and scholarship): \$ _____
- Total Amount Enclosed:** \$ _____

Payment Method:

Check Money Order Purchase Order #: _____

Credit Card: Mastercard Visa American Express Discover

Name on Card _____

Card #: _____ Exp. Date: _____

Signature: _____

*There must already be a national sports turf manager from your facility or commercial member from your company before you may sign up in the Associate category.

Phone: 800-323-3875

www.STMA.org

"I know I am a better sports turf manager because of this association. As sports turf managers, we take the challenge seriously to make our fields the best possible for the next game. The resources I have access to through STMA helps me do it."

— Bob Campbell, CSFM
Higher Education
Membership Segment

Cut Here ✂

Meet the Members who missed the Directory Printing

STMA'S ANNUAL PRINTED DIRECTORY is current through May 20. Any member who joins STMA or renews a membership, regardless of the date, is always included in the real-time on-line directory. Following are those who joined as new members or renewed their memberships after the May cutoff date. This list is current through August 4. For full contact information, please go to the member only side of www.STMA.org.

STMA thanks all of its members for their continued support of the association!

Affiliate

Jim Hermann, Annandale, NJ
 Darren McCormack, Marist College, Poughkeepsie, NY
 Joshua Sells, Charlotte Country Club, Indian Trail, NC
 Zola Short, U.S. Soccer Foundation, Washington, DC
 Troy Taylor, Meadowbrook HS, Richmond, VA

Commercial/Commercial Associate Members

Tariq Ahmed, The Brickman Group, Langhorne, PA
 Chris Bawcum, Trigon Sports International, Memphis, TN
 Michael Bean, Airfield Systems, LLC, Edmond, OK
 Scott Bills, CSFM, Northern Nurseries, Somerset, NJ
 Robert Blum, Lakewood, OH
 Thomas Burger, Superior Turf & Landscape, Furlong, PA
 Dustine Callahan, Kromer Co, LLC, Pacifica, CA
 Bruce Dees, Bruce Dees & Associates, Tacoma, WA
 Sharon DeWolfe, Jacobsen, A Textron Company, Charlotte, NC
 Jeff Fisher, Eco Chemical, Inc., Seattle, WA
 James Goebel, Landscapes Unlimited, Lincoln, NE
 Raul Gonzalez, Ewing Irrigation Products, Phoenix, AZ
 Kenneth Hopkins, Tropic Designs, Jonesboro, GA
 Neal Hornbeck, Pacheco Brothers Gardening, Hayward, CA
 Clayton Hubbs, Stabilizer Solutions, Phoenix, AZ
 Chase Kirby, Championship Field Construction, Inc., Woodstock, GA
 Skip Kirby, Championship Turf of Florida, LLC, Woodstock, GA
 Stuart Kruger, Enviro Turf, Madison, MS
 Casey Kyle, Carolina Green Corp, Ft. Mill, SC
 Malcolm MacDougall, Armacell LLC, Mebane, NC
 Patrick Maguire, Stantec Sport, Boston, MA
 Grant McKnight, Natural Sand Company, Slippery Rock, PA
 George Pacheco, Pacheco Brothers Gardening, Hayward, CA
 David Renner, Zephyr Turfcare Equip, Santa Ana, CA
 Chip Richardson, Sweetwater Construction, Inc., Helena, AL
 Frank Santos, Converted Organics, Inc., Boston, MA
 Damon Sump, Profile Products, Newberg, OR
 Jim Surrell, Hydraway, St. Peters, MO
 David Taylor, STEC, Sandy Springs, SC
 Emory Thomas, Bare Spot Solutions, Wharton, TX
 Oscar Veloz, Pacheco Brothers Gardening, Hayward, CA
 James White, Southern Athletics Design & Consultation, Madison, GA

Sports Turf Managers

Bryan Barkley, Connecticut Tigers, Norwich, CT
 Kevin Bell, Clemson University - Athletic Grounds, Clemson, SC
 Pete Benevento, Jr., University of Maryland, College, MD

Steven Biehl, Oswego, IL
 Andrew Bird, Rec Sports, Sparta, MI
 Scott Brooks, Trussville Parks & Recreation, Pinson, AL
 Darin Budak, CSFM, CPRP, City of Bakersfield, Bakersfield, CA
 Tim Burns, Longwood Cricket Club, Chestnut Hill, MA
 Wayne Cady, City of Scottsdale Parks & Rec, Scottsdale, AZ
 Ben Carson, Juanita High School, Kirkland, WA
 Rus Carter, City of Clearwater, Clearwater, FL
 Bob Christofferson, Seattle Mariners, Seattle, WA
 David Clausen Jr., Seattle University Grounds Dept, Seattle, WA
 Richard Cooke, The Pingry School, Martinsville, NJ
 Tony Cotter, City of Napoleon, Napoleon, OH
 Michael Coyle, Wright State University, Dayton, OH
 Jesse Cuevas, Jr., Rosenblatt Stadium, Omaha, NE
 Alfred Cybart, Upper Merion School District, King of Prussia, PA
 Anthony Davis, University of Technology-Jamaica, Kingston, Jamaica
 Brad Detmore, Round Rock Express, Missouri City, TX
 Daniel Dewey, BYU-Idaho, Rexburg, ID
 Brian Dosssett, CSFM, Oxner Landscape Maintenance, Piedmont, SC
 Scott Drayton, City of Greenville, Greenville, SC
 Joshua Edgerton, Homewood Parks & Rec, Homewood, AL
 Mike Echols, Clemson University, Clemson, SC
 Pete England, Vista Soccer, Springfield, VA
 Tim Fleming, City of Cooper City, Cooper City, FL
 David Fortier, Pace Academy, Atlanta, GA
 Matt Fortier, Pace Academy, Atlanta, GA
 Wes Fortier, Pace Academy, Atlanta, GA
 Patrick Francisco, Smith River Sports Complex, Martinsville, VA
 Peter Fusco, Bristol Public Schools, Bristol, CT
 Paul Greenwell, Gwinnett County Public Schools, Lawrenceville, GA
 Jason Hilderbrand, Inland Empire 66ers, San Bernardino, CA
 Barry Hill, Homewood Parks & Rec., Homewood, AL
 Chris Hohnstrater, The Principia School, St. Louis, MO
 Michael Hrivnak, Washington Nationals, Washington, DC
 Richard Hunter, Franklin Township Community School Corp, Indianapolis, IN
 Gary Johnson, Ohio Dominican University, Columbus OH
 Greg Johnson, William Penn High School, New Castle, DE
 Bradley Kirkland, Auburn University Athletics, Auburn, AL
 David Kuczynski, Somerset County Park Commission, Northbranch, NJ
 Brian Kusler, O.S. Memphis/Mike Rose Soccer Complex, Memphis, TN
 David Lee, Southern Nazarene University, Bethany OK
 John Lesperance, Litchfield School District, Litchfield, NH
 Leo Liebert, Seattle Mariners, Seattle, WA
 Michael Loftus, University of Delaware, Newark, DE
 Dan McClelland, The Principia School, St. Louis, MO
 Nathan McGuire, Zanesville, OH
 Stephen McIntosh, Mylan Park, Morgantown, WV
 Brian McNeill, University of Southern Mississippi, Hattiesburg, MS
 Mark Mullendore, Trinity Valley School, Ft. Worth, TX
 Newton Nicholson, City of Daytona Beach/Grounds Maint. Div., Daytona Beach, FL

Jim Osborne, All Saints Episcopal School, Ft. Worth, TX
 Eric Owens, Homewood Parks & Rec, Homewood, AL
 Walter Parker, Mansfield Public Schools, Mansfield, MA
 Reed Pryor, City of Scottsdale Parks & Rec, Scottsdale, AZ
 Tim Purdy, University of Tampa, Tampa, FL
 Ryan Radcliffe, Lakewood Blueclaws, Lakewood, NJ
 Rusty Reese, City of Plainview, Plainview, TX
 Matt Rogers, Holly Springs, NC
 William Rudometkin, California State University/Long Beach, Montebello, CA
 Roger Russomanno, City & County of Denver Parks & Rec, Denver, CO
 David Schilling, Paradise Valley SD #69, Phoenix, AZ
 Edward Sherman, Snohomish School District, Everett, WA
 James Smith, San Antonio, TX
 Athanasios Souvlis, Anapasi Topiou Ltd, Athens, Greece
 Brian Stallings, Durham Bulls Baseball Club, Raleigh, NC
 David Stuhlsatz, Kansas State University, Manhattan, KS
 Bill Tabor, City of Rifle, Rifle, CO
 Nathan Torres, Goodyear Ballpark, Goodyear, AZ
 Jason Waldron, City of Scottsdale Parks & Rec, Scottsdale, AZ
 Tom Whitmore, City of Rifle, Rifle, CO
 Alfred Williams, City of Coolidge Parks & Recreation, Coolidge, AZ
 Thomas Williams, Township of E Brunswick, East Brunswick, NJ
 Michael Wilson, Professional Turf Specialties, Inc., Fullerton, CA
 Tim Wilson, Seattle Mariners, Seattle, WA
 Robert Yaun, Ware County BOE - Memorial Stadium, Waycross, GA

Research, Teaching, Extension

Tom Bidart, Northern Lakes College, Slave Lake, AB, CAN
 Jason Henderson, Ph.D., University of Connecticut, Storrs, CT
 Harold Howard, Ph.D., Turfscience, Inc., Phoenix, AZ
 James Kruse, Ph.D., University of Florida, Gainesville, FL
 Scott McElroy, Ph.D., Auburn University, Auburn, AL
 David Minner, Ph.D., Iowa State University, Ames, IA
 Mike Schrader, Indiana University, Indianapolis, IN

Students

Joshua Alleman, Holt, MI
 Mark Duzenski, Southern Pines, NC
 Matthew Elmore, Knoxville, TN
 Daniel Estel, Boyd, TX
 Joshua Evans, Ft. Collins, CO
 Davis Fisher, Lenoir, NC
 James Garrett, Prince Frederick, MD
 Brett Johnson, Hickory, NC
 Daniel Mathews, Xenia, OH
 Gerin Meissen, Winter Garden, FL
 James Michaels, Lenoir, NC
 Michael Mosso, Lancaster, PA
 Nathan Reddell, Martinsville, NJ
 Zachary Reed, Spencer, WV
 Kelly Roder, Lake Ozark, MO
 Marcus Sheppard, Ft. Worth, TX
 Frank Smith, Myrtle Beach, SC
 Martin Volz, Mt. Pleasant, MI ■

Chapters Highlights



Profile: Oregon STMA

July was a busy month for the Oregon STMA. In addition to helping make the STMA Northwest Regional Conference a strong success, more than 25 chapter members participated in the chapter's first-ever field make-over. The chapter is less than two years old yet has 90 members and is growing.

The field make-over was at Alpenrose Dairy in Portland, which hosts the Little League Softball World Series. During the series, the Softball World Series Challenger Game is played. This game helps mentally and physically challenged youth enjoy the full benefits of Little League participation in an environment structured to their abilities.

The many hands of the Oregon chapter were able to sod cut high areas, re-grade and sod the back edges, foul base lines, home plate mound circle and coaches boxes.

The field that this game is played on is primarily for practice and often gets overlooked for consistent maintenance, so the goal of the field day was to get the field in excellent shape. The many hands of the Oregon chapter were able to sod cut high areas, re-grade and sod the back edges, foul base lines, home plate mound circle and coaches boxes. The chapter also worked on the game day fields, primarily on the irrigation system.

In addition to the chapter's volunteers, the field day was directed by Little League Softball World Series Tournament Groundskeeper Mike Hebrard, Athletic Field Design, and had the commercial support of Ewing Irrigation, Oregon Turf and Trees, Pro Turf Solution, Profile Products, Target Specialty, EnviroLogic Resources, Portland Parks, Tualatin Hills Park and Recreation, Willamalane Parks, and other local citizens. Alpenrose hosted an ice cream social at the end of the work day. The Chapter was recognized for its field makeover during the Challenger game August 14. ■

STMA Affiliated Chapters Contact Information

Sports Turf Managers Association of Arizona:
Chris Walsh cwalsh@scottsdaleaz.gov or
Johnathan Knight, CSFM
johnathan.knight@peoriaaz.gov.

Colorado Sports Turf Managers Association:
www.cstma.org.

Florida #1 Chapter (South):
305-235-5101 (Bruce Bates)

Florida #2 Chapter (North): 850/580-4026.

Florida #3 Chapter (Central): 863-665-5800

Gateway Chapter Sports Turf Managers Association: www.gatewaystma.org.
(See Expanded Profile included in Chapter Highlights)

Georgia Sports Turf Managers Association:
www.gstma.org.

Greater L.A. Basin Chapter of the Sports Turf Managers Association: www.stmalabasin.com.

Illinois Chapter STMA: 847/263-7603.

Intermountain Chapter of the Sports Turf Managers Association: www.imstma.org.

Iowa Sports Turf Managers Association:
www.iowaturfgrass.org.

Kentucky Sports Turf Managers Association:
www.kystma.org.

Keystone Athletic Field Managers Org. (KAFMO/STMA): www.kafmo.org.

Michigan Sports Turf Managers Association (MiSTMA): www.mistma.org.

Mid Atlantic Sports Turf Managers Association (MASTMA) (formerly the Chesapeake Chapter STMA)
Ph. 410-704-2197 www.mastma.org

Minnesota Chapter STMA: www.mstma.com.

MO-KAN Sports Turf Managers Association:
www.mokanstma.com. (See Expanded Profile included in Chapter Highlights)

Nebraska Sports Turf Managers Association:
402/441-4425.

New England STMA (NESTMA):
www.nestma.org.

Sports Field Managers Association of New Jersey: www.sfmnj.org.

Sports Turf Managers of New York:
www.stmony.org.

North Carolina Chapter of STMA:
www.ncsportsturf.org.

Northern California STMA:
www.norcalstma.org.

Ohio Sports Turf Managers Association (OSTMA): www.ostma.org.

Oregon STMA Chapter: 503/953-9406

Ozarks STMA: www.ozarksstma.org.

Pacific Northwest Sports Turf Managers Association: www.pnwstma.org.

Southern California Chapter:
www.socalstma.com.

South Carolina Chapter of STMA:
www.scstma.org.

Tennessee Valley Sports Turf Managers Association (TVSTMA): www.tvstma.com.

Texas Sports Turf Managers Association:
866/897-8621.

Virginia Sports Turf Managers Association:
www.vstma.org.

Wisconsin Sports Turf Managers Association:
www.wstma.org. (See Expanded Profile included in Chapter Highlights)

Forming Chapters:
Gulf Coast Chapter: 225/757-9136.

Indiana Chapter: Joey Stevenson,
jstevenson@indyindians.com

Nevada STMA Chapter: 702/884-2987.

STMA International Affiliate Organizations:

National Parks, Singapore: www.nparks.gov.sg

Sports Turf Association, ON, CANADA
www.sportsturfassociation.com

Forming International Affiliate Organizations:

Irish Institute of Sport Surfaces

Institute of Groundsmanship

Chapter Sponsors



JOHN DEERE

Hunter®
The Irrigation Innovators



TOP DRESSERS



Sizes: 1.0 to 7.5 cu yd

Materials: Any Type—Wet or Dry



www.TurfTimeEq.com
800-201-1031

LINE UP
Hash-Mark Painting System

Made of lightweight aluminum & FOLDABLE.
Self-aligning, 5 yard units.



Aluminum

4x6 in size, made of 1/8" aluminum
Offsets built-in for quick alignment
Three font types available

**The Only Painting System
You'll Ever Need.**

888-780-4441



Diversified Sports Specialties
www.DSSworks.com

**WANT TO
REACH
QUALIFIED
BUYERS?**

- TARGETED LEADS
- SUPERIOR PENETRATION
- PROVEN VALUE
- OUTSTANDING RESULTS

Then rent our list of targeted, qualified readers for your next direct mail promotion.

Call today for more information regarding our product lines and extensive database marketing programs.



Cheryl Naughton
cnaughton@m2media360.com
678-292-6054 Fax: 360-294-6054

**BEAM CLAY®
INFIELDS!**



Beam Clay® has supplied products to every Major League Baseball Team and over 150 Minor League Teams, more than 700 colleges and thousands of towns and schools from all 50 states and worldwide. Beam Clay® supplies special mixes for infields, pitcher's mounds, home plate areas, red warning tracks, infield conditioners, drying agents, plus over 200 other infield products, including **regional infield mixes blended for every state and climate** from bulk plants nationwide!

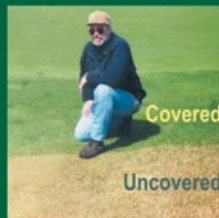
BEAM CLAY®
800-247-BEAM (2326)
WWW.BEAMCLAY.COM

**Supreme-Green™
Turf Growth Cover**

Supreme-Green is a multi-purpose turf growth cover made of a specially designed material to provide early green-up, accelerated germination and winter protection. The Supreme-Green cover encourages root development and rapid growth while extending your spring and fall seasons.

Supreme-Green turf growth cover is specifically engineered to promote earlier openings by 2 -3 weeks.

- Reduces seed loss
- Promotes earlier root establishment
- Accelerates Germination
- Reduces frost and ice-damage
- Porous to allow water and air circulation
- Mildew and rot resistant
- Quick turf repairs



Specifications:

- Made of tough woven non-coated polyethylene material
- UV treated for long life
- Green tint for best heat build-up
- One piece construction
- Comes complete with anchor pegs and storage bag

279 Humberline Dr. Etobicoke, Ontario M9W 5T6
Phone: 1-800-837-8961
Fax: (416) 798-1342
E-mail: sales@coverttechfab.com
Website: www.coverttechfab.com

**Consistent application
every time.
Toro® MH-400**



visit www.toro.com
or contact your local distributor at
800-803-8676



Count on it.

Please fill out this form in its entirety

Yes, please start/continue my FREE subscription to Sportsturf

FOR FASTER SERVICE visit our web site at <http://www.submag.com/sub/ta> or fax to 847-763-9569

No, thank you.

Which version would you like to receive?

Print Print/Digital

Signature: (required) _____ Date: _____

Name: (please print) _____

Title: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Email: (required) _____

August 2010 - Expires February 2011 - RS1008

1 What is your company's primary business? (check ONLY ONE)

- F Sports Complex
- G Athletic Field and/or Park Architect/Designer
- T School, College or University
- P Park
- H Other (please specify) _____

2 Which of the following best describes your title? (check ONLY ONE)

- A EXECUTIVE/ADMINISTRATOR — President, Owner, Partner, Director, General Manager, Chairman of the Board, Purchasing Agent, Athletic Director
- B MANAGER/SUPERINTENDENT — Superintendent, Landscape/Ground Maintenance Manager, Foreman, Supervisor
- C GOVERNMENT OFFICIAL — Government Commissioner, Agent, Other Government Official
- D SPECIALIST — Architect, Designer, Consultant, Agronomist, Horticulturist, Certified Specialist
- F COACH
- E Other (please specify) _____

3 Do you have the authority to buy, specify or recommend products and/or services for your business or organization?

Y Yes N No

4 Yearly operating expenditures (excluding salaries)

- F Over \$1 million
- C \$50,001 - \$100,000
- E \$500,001 - \$1 million
- B \$25,001 - \$50,000
- D \$100,001 - \$500,000
- A \$25,000 and under

5 Please also send a free subscription to the following people at the same location

Name _____ Title _____
Name _____ Title _____

SportsTurf ADVERTISERS' INDEX

Advertiser	Page #	Web Address
AerWay	15	www.aerway.com
Agrium Advanced Technologies	24-25	www.agriumat.com
Barenbrug USA	48	www.barusa.com
Beam Clay	44	www.beamclay.com
Colbond	21	www.colbond-usa.com
Covermaster	13	www.covermaster.com
CoverSports USA	27	www.coversports.com
Covertch	44	www.covertchfab.com
Delta Bluegrass	3	www.deltabluegrass.com
Diversified Sports Specialties	44	www.DSSworks.com
Ewing Irrigation	11	www.ewing1.com
FMC Professional Solutions	47	www.fmcprosolutions.com
GIE + EXPO	37	www.gie-expo.com
GreensGroomer	9	www.greensgroomer.com
Hydraway Drainage	17	www.hydraway.net
Hydraway Drainage	34	www.hydraway.net
John Deere	5	www.johndeere.com
Kochek Company	19	www.kochek.com
Natural Sand	29	www.duraedge.us
Newstripe	23	www.newstripe.com
Pennington Seed	27	www.penningtonseed.com
Pioneer Athletics	20	www.pioneerathletics.com
Southern Athletic Fields	36	www.mulemix.com
Soundcoat	23	www.soundcoat.com
Sports Turf Managers Association	41	www.stma.org
STEC Equipment	31	www.stecequipment.com
TifSport Growers Association	33	www.tifsport.com
The Toro Company	2	www.toro.com
The Toro Company	44	www.toro.com
TurfTime Equipment	44	www.TurfTimeEq.com
World Class Athletic Surfaces	20	www.worldclasspaints.com



It's FREE

Bi-weekly newsletter emailed to you from the editors of SportsTurf magazine

ST Insider brings latest news and information from around the USA for sports turf management professionals

Visit www.sportsturfonline.com and click on "E-newsletter" to register quickly



M2MEDIA

Maximize your positive press from your feature in **SportsTurf**

Reprints
Maximize the marketing power of your feature.

Eprint
Give your feature a presence on the World Wide Web.

Custom Plaques
Showcase your great press in a public area for all to admire.

For custom reprints contact us today!
Call 866.879.9144 x131 or email us at reprints@m2media360.com

Now offering short-run reprints! Order 100 copies or less.



SportsTurf has gone mobile!

Now you can access all the latest news and events anywhere, anytime. Simply visit www.sportsturfonline.com/mobile4 to stay connected.

Cut Here

Q&A

Is it too late?

We are about to finish our field and want to seed bermudagrass on August 23, is that too late? Raleigh, NC

Our new high school field will be finished in mid-August and ready for planting. Can we still plant bermudagrass sprigs or must we sod? We don't need the field until the middle of next summer.

Charlotte, NC

I have written several articles related to establishing turfgrass, but I mention the issue of timing. Establishment timing based on a date is an interesting topic because our extension publications always provide optimum situations. Our extension fact sheets indicate that in central North Carolina, the optimum planting date for bermudagrass is April to July.

Our publications do not say what will happen if someone plants after July or before April. It is logical to wonder what will happen if bermudagrass is planted in September or October. Like much in turf management, the answer is not black and white. The biggest unknown is weather, specifically the onset of cool weather and lower humidity—two situations that do not favor bermudagrass growth. The other factor that is working against you is decreasing day length.

Of course we have all experienced exceptions in weather. I remember once sprigging a bermudagrass green in Florida in late September and getting it fully grown in before the first frost. Even in Florida, that would not be a normal outcome of a late sprigging. It seems more often that weather works against you.

In the case of the fields in these questions, they are probably bare dirt at this point, so the field managers are “behind the 8-ball” in needing something on the ground before wind and rain erodes the rootzone.

So they need to know their establishment options to get the ground covered one way or another.

All plants have an ideal temperature range for seed germinating and plant growth. If the temperatures are just outside the optimum, then the seed will not germinate as quickly and the resulting plant may not grow as vigorously. This is generally not a big deal. The question then becomes, is there adequate time to complete the grow-in before the first frost? But get too far outside the optimum range, and nothing may happen, no germination and no growth.

To answer the questions sent to me, the bermudagrass seed should germinate and the sprigged field should see growth. But do not expect significant turf coverage before the first frost.

It is generally recommended that soil be at least 65 degrees (optimum is 75 to 80 degrees) before planting. If the soil temperature at 1-2 inches is less than 60 degrees, do not expect germination. Sprigs should tolerate a slightly wider range of temperatures because of energy reserves in the living material. In much of North Carolina, soil temperatures are above 65 degrees in September and in many areas into October. Research reported in an Applied Turf Science paper estimated that with normal temperatures and good cultural practices, seeded bermudagrass planted as late as August 9 in Nashville, TN should have 95% coverage by October 1.

From August 9 until October 1, that is 55 days until 95% coverage. I would consider that a good grow-in rate in the transition zone. My normal response when asked how long it takes to grow-in bermudagrass (seed or sprigs) is 45 to 90 days. Under ideal conditions, with irrigation and good cultural practices, it should be on the lower end of the range. Under

less than ideal conditions and no irrigation, full establishment is normally closer to the upper end of the range. Of course if you get no rain, then there is no germination or growth.

Unfortunately, seeding 14 days later (Aug 23), does not guarantee that 95% cover will be achievable by October 15. Much of the lateral growth of bermudagrass stops when the soil temperatures drop below 60 degrees. One way to cheat and extend the growing season several weeks is by using covers.

I would not normally recommend a late August planting, but if the field is bare it is probably a good risk to take, hoping for the best. Some coverage is often better than none. But be ready with a back-up plan.

Outside of using covers, my suggestion would be to have some ryegrass seed on hand to overseed if it gets late in the fall without adequate bermudagrass cover. Annual ryegrass is cheaper and seems to establish better later in the year than perennial ryegrass. But perennial ryegrass provides higher quality surface in the spring and is easier to chemically remove. In this situation, annual ryegrass usually wins. My suggestion is to keep the rate as low as practical. Less if the field will not be used until summer, more if it may get some late spring use. Between 5 to 10 pounds of seed per 1000 square feet is usually adequate.

Remember the goal is to hold the soil in place while minimizing the competition for the bermudagrass. Do not let the ryegrass grow unchecked, or you may find it shades out your bermudagrass in the spring. With some luck, you can complete your grow-in in the spring and the field will not require re-seeding or re-sprigging. ■

BY DR. GRADY MILLER

Professor, North Carolina State University

Questions?

Send them to
Grady Miller at
North Carolina State University,
Box 7620, Raleigh, NC 27695-
7620, or email
grady_miller@ncsu.edu

Or, send your
question to
David Minner at
Iowa State University, 106
Horticulture Hall, Ames, IA 50011
or email
dminner@iastate.edu.



FIRE
ANTS
ARE
TOAST

(IN THE TIME IT TAKES TO MAKE TOAST)

New Talstar® XTRA granular insecticide eliminates fire ants in as little as minutes.

Formulated with the addition of zeta-cypermethrin, a proprietary, all-new active ingredient, Talstar® XTRA granular insecticide wipes out dangerous fire ant colonies in record time. Patent-pending Talstar XTRA quickly pierces an insect's cuticle and disrupts its central nervous system, for total colony elimination (kills the queen) in four hours or less. And in trials, Talstar XTRA achieved complete control in mere minutes – eradicating the threat posed by fire ants sooner than you ever thought possible.

Broad-spectrum Talstar XTRA also delivers fast knockdown and kill of most ants, chinch bugs, fleas, ticks, mole crickets and dozens of other lawn pests. And because it's Talstar, you know you'll also get the residual of the number-one trusted brand in general pest control, with four months or more of lasting protection.

For more information on the next generation of Talstar, visit www.fmcprosolutions.com or contact your FMC Sales Representative or local FMC Distributor.

FMC

FMC Professional Solutions

1-800-321-1FMC • fmcprosolutions.com

Talstar®
XTRA GRANULAR INSECTICIDE