

PERSONAL INFORMATION

Chrissie A. Segars, Ph.D.
17360 Coit Rd.
Dallas, TX 75252

EDUCATION

Oklahoma State University Doctor of Philosophy: Crop Science: Concentration- Turfgrass Science Degree received: 12/08/2017	Stillwater, OK	Dec 2017
Oklahoma State University Master of Science: Turfgrass Science Degree received: 12/14/2013	Stillwater, OK	Dec 2013
Louisiana State University Master of Science: Kinesiology Degree received: 05/20/2011	Baton Rouge, LA	May 2011
Clemson University Bachelor of Science: Agricultural Education Minor: Animal and Veterinary Sciences Degree received: 05/08/2009	Clemson, SC	May 2009

EMPLOYMENT HISTORY

Texas A&M AgriLife Extension Assistant Professor and Extension Turfgrass Specialist <ul style="list-style-type: none">▪ 100% Extension<ul style="list-style-type: none">▪ Lead turfgrass extension efforts across the state of Texas▪ Perform turfgrass research that aids the turfgrass industry as well as extension efforts	Dallas, TX	Feb 2019- Current
University of Tennessee at Martin Agriculture, Geosciences, and Natural Resources, Assistant Professor of Plant and Soil Sciences <ul style="list-style-type: none">▪ 75% Teaching<ul style="list-style-type: none">▪ Courses<ul style="list-style-type: none">▪ PLSC 110- Introduction to Plant and Soil Sciences▪ PLSC 110 Online- Introduction to Plant and Soil Sciences▪ PLSC 234- Lawn and Turf Management▪ PLSC 242- Fundamentals of Horticulture▪ PLSC 365- Greenhouse Management▪ PLSC 462- Environmental Landscape Design▪ PLSC 471- Advanced Turfgrass Management▪ 25% Research<ul style="list-style-type: none">▪ SAFE Field Safety Initiative Collaborative Research Trial	Martin, TN	Aug 2017-Jan 2019
Oklahoma State University at Oklahoma City Adjunct Instructor <ul style="list-style-type: none">▪ Advanced Turfgrass Management	Oklahoma City, OK	Spring 2017
Oklahoma State University at Stillwater Horticulture and Landscape Architecture, Turfgrass Graduate Research Associate – Ph.D. Candidate <ul style="list-style-type: none">▪ Evaluated Sod Tensile Strength/Handling and Morphological Characteristics of Experimental and Commercially Available Bermudagrass Varieties with Differing Nitrogen Rates▪ Evaluated of the Effects of Athletic Field Paint Color on Physiological and Photosynthetic Activities in Cool and Warm Season Grasses▪ Developed Carbohydrate Synthesis Study for Painted Turfgrass using an HPLC▪ Assisted in Layout, Application, and Ratings of Herbicide Research Trials for Various Chemical Companies▪ Assisted in the Planning and Implementation of Replicated Field Trial Planting	Stillwater, OK	Jan 2014 – Aug 2017

- Assisted Master’s Degree Candidates with Field Research Planning and Implementation
- Balanced and Maintained Sod Tensile Strength Research Budget
- Performed Extension Duties Involving the Oklahoma City Water Initiative Partnered with Oklahoma State University
- Evaluated of Sprigging Rate vs. Nitrogen Rate on Establishment of Bermudagrass in Cooperation with Four Universities in the U.S.
- Organized and Implemented the Cooperative Zoysiagrass Trial in Cooperation with Other Universities in the U.S.

Oklahoma State University at Stillwater **Stillwater, OK** **Aug 2011 – Dec 2013**

Horticulture and Landscape Architecture, Turfgrass Graduate Research Assistant –M.S. Student

- Developed and Constructed a 'Cady Traffic Simulation Device' for the OSU Bermudagrass Development Team and Thesis Research Project
- Identified Improved Traffic Tolerance of Experimental and Commercially Available Bermudagrass Varieties
- Integrated Digital Image Analysis into Traffic Tolerance Assessment for the OSU Bermudagrass Development Team
- Developed an Overseeding/Painting Study as an Independent Research Project with a Horticulture and Landscape Faculty Member
- Assisted in the Evaluation of Commercial and Experimental Bermudagrasses for Sod Tensile Strength
- Assisted in the Planning and Implementation of Specialty Crop Research Initiative Trial Planting
- Assisted in the Planning and Implementation of National Turfgrass Evaluation Program Trial Planting

Louisiana State University **Baton Rouge, LA** **Aug 2009-May 2011**

Athletic Department, Game Operations Graduate Assistant – M.S. Student

- Collaborated with interdepartmental athletics and outside business partners in facilitating event staffing, operations, hospitality & guest relations, officials, catering, credentialing, and visiting team operations
- Assisted Director in Managing LSU Marshals and Ticket Takers, 400 + individuals, in ensuring excellent customer service and safety during LSU Sporting Events
- Supervised student staff of 15-25 individuals
- Logged and Solved potential problems on Game Day in the Unified Command Post and delegated tasks to proper departments
- Planned and participated in staff training seminars
- Assisted in hiring and payroll processes of all LSU Event Staff Members

ADDITIONAL EXPERIENCE

Oklahoma Gardening Television Show **Stillwater, OK** **2014-2017**
Graduate Research Associate

- Assisted with segments on different topics such as irrigation, fertilization, seeding, weed control, and other topics concerning turfgrass management.
- Main speaker on “Overseeding your Home Lawn” segment in Fall 2015

Louisiana State University **Baton Rouge, LA** **May -Aug 2011**
Facilities Student Worker - Grounds Crew

- Maintained athletic fields during the summer months of the growing season.
- Daily Duties included: mowing, painting field markings and logos, baseball and softball clay maintenance, fertilizer applications, IPM program applications, irrigation repair, aeration, top-dressing, edging, weed-eating and in-fill field maintenance.
- Assisted in resurfacing/resodding of Tiger Stadium and Alex Box Baseball Stadium.

PEER REVIEWED PUBLICATIONS

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- Dickson, K.H., **C.A. Segars**, J.C. SoroChan, J.Q. Moss, and D.K. Harris. *Effectiveness of Mechanical Removal of Perennial Ryegrass Overseeding out of Common Bermudagrass*. Submitted to Crops, Forage, and Turfgrass Management. Submitted June 2018.
 - Munshaw G. C., J. S. Beasley, C. Baldwin, J. Q. Moss, K. L. Cropper, H. W. Phillely, **C.A. Segars**, and B. R. Stewart. *Nitrogen and planting rate effects on Latitude 36 bermudagrass establishment*. Accepted in Hort Technology. January 2017.

- **Segars, C.A.** and J.Q. Moss. *The Effects of Athletic Field Paint Color on Net Photosynthesis and Canopy Temperature of Overseeded Perennial Ryegrass*. Published in *Applied Turfgrass Science*. July 2014.

POPULAR PRESS PUBLICATIONS

- **Segars, C.A.**, A.T. Thoms, T. Van Loo, and J. Salmond. *Hammer time: management practices and field surface hardness*. SportsTurf. www.sportsturfonline.com. July 2018.
- Moss, J.Q. and **C.A. Segars**. *Irrigation Water Testing and Interpretation*. SportsTurf. www.sportsturfonline.com. February 2017.

SCHOLARLY/CREATIVE ACTIVITIES

Extension Presentations

- *Wrestling Wacky Winter Weeds*. East Texas Turfgrass Conference, Overton, TX, February 2019.
- *Defeating Detrimental Diseases*. East Texas Turfgrass Conference, Overton, TX, February 2019.
- *Bermudagrass: Can't Live With It, Can't Live Without It*. Quad City Sports Turf Managers Association Educational Seminar, April, 2018.
- *Soil Testing & Interpretation of Results*. Martin Beautiful Spring Seminar, April 2018.
- *Athletic Field Paint & Turfgrass Health*. Tennessee Valley Sports Turf Managers Association Meeting, Memphis, TN, February 2018.
- *Bermudagrass: Can't Live With It, Can't Live Without It*. Tennessee Valley Sports Turf Managers Association Meeting, Memphis, TN, February, 2018.
- *Turfgrass Establishment & Selection for Tennessee*. Master Gardener Series, Martin, TN, October 2017.
- *Introduction to the Industry*. Memphis Area Golf Course Superintendents Meeting, Memphis, TN, September 2017.

Professional Conference Presentations

- Segars, C.A. *Bermudagrass: Under Pressure*. Poster presented at the ASA, CSSA, and SSSA International Annual Meetings, Baltimore, MD, November 2018.
- Segars, C.A. *Hammer Time: The Effects of Water Content on Field Surface Hardness*. Poster presented at the ASA, CSSA, and SSSA International Annual Meetings, Tampa, FL, October 2017.
- Segars, C.A. *The Real Color of Money: Athletic Field Paint and Turfgrass Health*. Poster presented at ASA, CSSA, and SSSA International Annual Meetings, Tampa, FL, October 2017.
- Segars, C.A. *Hammer Time: The Effects of Water Content on Field Surface Hardness*. Poster presented at the Oklahoma State Water Conference, Stillwater, OK, March 2017.
- Segars, C.A. *Bermudagrass: Under Pressure*. Paper presented at ASA, CSSA, and SSSA International Annual Meetings, Phoenix, AZ, November 2016.
- Segars, C.A. *Athletic Field Paint and Turfgrass Health: What's Your Color?* Poster presented at ASA, CSSA, and SSSA International Annual Meetings, Phoenix, AZ, November 2016.
- Moss, J.Q. and C.A. Segars. *Irrigation Water Testing and Interpretation: Case Studies from the Field*. Presentation presented at Sports Turf Managers Association National Conference, San Diego, CA, January 2016.
- Segars, C.A. *Testing the Waters*. Presentation at Oklahoma Turfgrass Research Foundation Conference, Stillwater, OK, December 2015.
- Segars, C.A. *Sod Tensile Strength: How Strong is Your Bermuda?* Paper presented at ASA, CSSA, and SSSA International Annual Meetings, Minneapolis, MN, November 2015.
- Segars, C.A. *Topramezone for Bermudagrass Encroachment into Bentgrass*. Paper presented at Southern Weed Science Society Annual Meetings, Savannah, Georgia, January 2015.
- Segars, C.A. *Preemergence Control of Summer Annuals in Bermudagrass with Flumioxazin*. Paper presented at Southern Weed Science Society Annual Meetings, Savannah, Georgia, January 2015.
- Segars, C.A. *The Effects of Athletic Field Paint on Turfgrass*. Presentation at Oklahoma Turfgrass Research Foundation Conference, Stillwater, Oklahoma, December, 2014
- Segars, C.A. *Pre-Emergent Goosegrass Control in Common Bermudagrass with Flumioxazin*. Poster presented at ASA, CSSA and SSSA International Annual Meetings, Long Beach, California, November 2014.
- Segars, C.A. *The Effects of Athletic Field Paint Color on Perennial Ryegrass Photosynthesis*. Poster presented at Oklahoma State University Research Week, Stillwater, Oklahoma, February, 2014.
- Segars, C.A. *Developing Bermudagrass for Sports Fields*. Presentation at Oklahoma Turfgrass Research Foundation Conference, Stillwater, Oklahoma, December, 2013.

- Segars, C.A. *Identification of Improved Traffic Tolerance of Experimental and Commercially Available Bermudagrass Varieties*. Paper presented at ASA, CSSA and SSSA International Annual Meetings, Tampa, Florida, November, 2013.
- Segars, C.A. *The Effects of Athletic Field Paint Color on Perennial Ryegrass Photosynthesis*. Poster presented at ASA, CSSA and SSSA International Annual Meetings, Tampa, Florida, November, 2013.
- Segars, C.A. *Developing Bermudagrass for Sports Fields*. Presentation at Missouri Sports Turf Manager's Seminar, Springfield, Missouri, March, 2013.
- Segars, C.A. *Identification of Improved Traffic Tolerance of Experimental and Commercially Available Bermudagrass Varieties*. Poster presented at Oklahoma State University Research Week, Stillwater, Oklahoma, February, 2013.

Service to the Profession

- Summer 2018: Attended SERA IEG 25/WERA IEG 11 Joint Meeting
- 2018 Reviewer for the Journal of Visualized Experiments

Research Projects

- Sports Field Safety Initiative
 - Research project with three universities to promote safety on athletic fields.
- Herbicide Trials
 - Bayer
 - PBI-Gordon

PROFESSIONAL AFFILIATIONS AND LEADERSHIP ROLES

SERA IEG: Turfgrass Research Group	2017-Current
National Sports Turf Managers Association	2009-Current
Tennessee Sports Turf Managers Association	2017-Current
National Conference Education Committee	2015-Current
National Chapter Relations Committee	2014-2015
Oklahoma Sports Turf Managers Association	2013-2017
Executive Secretary	2014-2017
Golf Course Superintendents Association of America	2017- Current
Tennessee Golf Course Association	2017- Current
The Agronomy, Crop, and Soil Science Society of America	2011- Current
Graduate Student Planning Committee	2016-2017
Women in Science	2019- Current
Early Career Member	2019- Current

HONORS AND AWARDS

Oklahoma State University Phoenix Award- Outstanding Doctoral Student	2017
OSU Graduate College Robberson Summer Research Fellowship	2016
SAFE Graduate Scholarship	2015
Dr. James R Watson Legacy Scholarship	2014
Chris and Jenny Stiegler Memorial Scholarship	2014
Romshe Outstanding Graduate Student Scholarship	2014
Oklahoma State University Plant and Soil Science Departmental Scholarship	2014-2016
Marjorie Andrews Memorial Scholarship	2013-2016
Oklahoma State University Horticulture Departmental Scholarship	2012-2016
Oklahoma State University Distinguished Graduate Fellowship	2011-2012