

CURRICULUM VITA: Dr. Gerald M. Henry

Department of Crop and Soil Sciences
University of Georgia
Athens, GA 30602

Education:

2000	BS	Plant Science (Turfgrass Management)	Rutgers University
2003	MS	Plant Biology (Turfgrass Weed Science)	Rutgers University
2007	PhD	Crop Science (Turfgrass Weed Science/Ecology)	N. C. State University

Professional Experience:

October 2017 – present	Professor, Crop and Soil Sciences Athletic Association Endowed Professor (Environmental Turfgrass Science, Research/Teaching) University of Georgia, Athens, GA
May 2012 – October 2017	Associate Professor, Crop and Soil Sciences Athletic Association Endowed Professor (Environmental Turfgrass Science, Research/Teaching) University of Georgia, Athens, GA
Mar 2007 – May 2012	Assistant Professor, Plant and Soil Science (Turfgrass Science, Research/Teaching) Texas Tech University, Lubbock, TX

Refereed Publications (56 Total; Select Recent):

Grubbs, R.A., **G.M. Henry**, and M. Cabrera. 2021. Effects of mowing interval on turfgrass clipping tissue characteristics and soil nitrogen dynamics. *Soil Sci. Soc. Am. J.* (In press)

Henry, G.M. and J.A. Hoyle. 2020. Weed pressure and turfgrass establishment in response to mulching media. *Agron. J.* DOI:10.1002/agj2.20464.

Straw, C.M., C.O. Samson, **G.M. Henry**, and C.N. Brown. 2020. A review of turfgrass sports field variability and its implications on athlete-surface interactions. *Agron. J.* (In press).

Straw, C.M., R.A. Grubbs, and **G.M. Henry**. 2020. Short-term relationship between plant and soil properties on natural turfgrass sports fields. *Agrosystems, Geosciences, and Environment* (In press)

Johnston C.R., W.K. Vencill, T.L. Grey, A.S. Culpepper, **G.M. Henry**, and M.A. Czarnota 2019. Investigation into interactions of environmental and application time effects on 2,4-D and dicamba-induced phytotoxicity and hydrogen peroxide formation. *Weed Sci.* 67:613-621.

Henry, G.M., C.R. Johnston, J.A. Hoyle, C.M. Straw, and K.A. Tucker. 2019. Common carpetgrass (*Axonopus affinis* Chase) control with postemergence herbicides. *Weed Technol.* 33:535-539.

Grubbs, R.A., C.M. Straw, W.J. Bowling, D. Radcliffe, Z. Taylor, and **G.M. Henry**. 2019. Predicting spatial structure of soil physical and chemical properties on golf course fairways using an apparent electrical conductivity sensor. *Precision Agric.* 20:496-519.

Straw, C.M., **G.M. Henry**, J. Shannon, and J.J. Thompson. 2019. Athlete's perceptions of within-field variability on natural turfgrass sports fields. *Precision Agric.* 20:118-137.

Straw, C.M., C.O. Samson, **G.M. Henry**, and C.N. Brown. 2018. Does variability within natural turfgrass sports fields influence ground-derived injuries? *European J. of Sports Sci.* 18:893-902.

Straw, C.M., R.N. Carrow, W.J. Bowling, K.A. Tucker, and **G.M. Henry**. 2018. Uniformity and spatial variability of soil moisture and irrigation distribution on natural turfgrass sports fields. *J. of Soil and Water Conservation* 73:577-586.

Straw, C.M. and **G.M. Henry**. 2018. Spatiotemporal variation of site-specific management units on natural turfgrass sports fields during dry down. *Precision Agric.* 19:395-420.

Straw, C.M., **G.M. Henry**, K. Love, R.N. Carrow, and V. Cline. 2018. Evaluation of several sampling procedures for spatial analysis of natural turfgrass sports field properties. *J. of Testing and Evaluation* 46:714-729.

Abstracts and Proceedings (170 Total; Select Recent):

Brown, A.J., **G.M. Henry**, N.T. Basinger, and J. Brosnan. 2020. Movement of trifloxysulfuron within the

- soil profile in response to changes in carrier volume. Southern Weed Sci. Soc.
- Dyer, L.M., N.T. Basinger, **G.M. Henry**, P. McCullough, and D. Hancock. 2020. Biology and phenology comparisons of four *Setaria* species. Southern Weed Sci. Soc.
- Henry, G.M.**, N.T. Basinger, and D.W. Hancock. 2020. A multifaceted approach to the reclamation of bermudagrass pastures. Southern Weed Sci. Soc.
- Henry, G.M.**, K. Tucker, J.T. Brosnan, and G.K. Breeden. 2019. Spray volume and application rate of trifloxysulfuron affects long-term dallisgrass control. Crop Sci. Soc. of Am.
- Henry, G.M.**, K. Tucker, J.T. Brosnan, and G.K. Breeden. 2019. Postemergence crabgrass (*Digitaria* spp.) control in bermudagrass (*Cynodon* spp.) with pinoxaden. Crop Sci. Soc. of Am.
- Henry, G.M.** 2019. Site-specific management for the reduction of turfgrass inputs. 6th European Turfgrass Soc. Field Day, Padova, Italy.
- Taylor, D., J. Brosnan, G. Breeden, and **G. Henry**. 2019. Postemergence crabgrass (*Digitaria* spp.) control in bermudagrass (*Cynodon* spp.) with pinoxaden. Southern Weed Sci. Soc.
- Henry, G.**, K. Tucker, J. Brosnan, and G. Breeden. 2019. Spray volume and application rate of trifloxysulfuron affects long-term dallisgrass control. Southern Weed Sci. Soc.
- Grubbs, R., **G. Henry**, and J. Thompson. 2018. The mosaic effect: exploring the challenges of measuring, modeling, and changing home owner behavior on the American lawn. Crop Sci. Soc. of Am.
- Henry, G.**, A. Missaoui, K. Tucker, and R. Shilling. 2018. The effect of soil moisture stress on perennial ryegrass genotypes. Crop Sci. Soc. of Am.
- Henry, G.**, W. Bowling, K. Tucker, and R. Shilling. 2018. Comparing conventional aerification practices to the core recycler. Crop Sci. Soc. of Am.
- Henry, G.** and D. McCall. 2018. Emerging technologies and site-specific weed control. Southern Weed Sci. Soc.
- Henry, G.**, W. Bowling, K. Tucker, J. Brosnan, and G. Breeden. 2018. Targeting postemergence dallisgrass control in the fall using cooling degree days. Southern Weed Sci. Soc.
- Henry, G.**, K. Tucker, R. Shilling, J. McCurdy, and M. Richard. 2018. Response of wildflower spp. to postemergence herbicides. Southern Weed Sci. Soc.

Extension/Outreach/Popular Press Articles (39 Total; Select Recent):

- Straw, C., C. Samson, **G. Henry**, and C. Brown. 2018. Rooted in Research: Does Variability within Sports Fields Influence Ground-Derived Injuries? Turfgrass Producers International, C. Reynolds ed., July/August 2018: 61-64.
- Straw, C., **G. Henry**, and J. Thompson. 2017. Athlete's Perspectives on Improving a Turfgrass Sports Field. Sports Turf Magazine. September 2017:24-26.
- Grubbs, R. and **G. Henry**. 2017. Spatial Variability of Soil Characteristics Warrant Site-Specific Fertility. Golf Course Management – Cutting Edge. 85(1):135.

Extension Presentations (209 Total; Select Recent):

- Henry, G.** 2020. UGA Turf Program and GGEF Project Update. Georgia Golf Environmental Foundation Seminar. Feb. 12, 2020. (Invited Speaker)
- Patton, A., M. Elmore, J. Brosnan, and **G. Henry**. 2020. Get with the Program: Tips to Build a Weed Control Program for your Facility. 2020 GCSAA Education Conference and Golf Industry Show. Jan. 28, 2020. Orlando, FL. (Invited Speaker)
- Henry, G.** 2020. Winter is Coming: Preparing Warm-Season Turfgrasses for Cold Stress. 2020 GCSAA Education Conference and Golf Industry Show. Jan. 28, 2020. Orlando, FL. (Invited Speaker)
- Henry, G.** and J. Brosnan. 2020. Get with the Program: Developing your own Weed Control Strategy. 31st Annual Sports Turf Managers Association Conference & Exhibition. Jan. 14, 2020. West Palm Beach, FL. (Invited Speaker)
- Henry, G.** and C. Bolton. 2019. Spreader Calibration. 2019 ATREC Field Day. September, 26, 2019. Athens, GA.
- Henry, G.** 2019. Herbicide Options on a Budget for Home Lawn Weed Control. 2019 ATREC Field Day. September, 26, 2019. Athens, GA.
- Henry, G.** 2019. Enhancing Athletic Field Safety. NESTMA Summer Field Day and Turf Education. July 31, 2019. Wellesley, MA. (Invited Speaker)
- Henry, G.** 2019. Turfgrass Science. Georgia Plant Science Scholars Summer Camp. June 24, 2019.

- Athens, GA. (Invited Speaker)
- Henry, G.** 2019. Site-Specific Management for the Reduction of Turfgrass Inputs. European Turfgrass Society Field Day. May 27, 2019. Padova, Italy. (Invited Speaker)
- Henry, G.** 2019. Weed Control in Warm-Season Turfgrass. 2019 South Texas Ryder Cup Meeting & Education. March 26, 2019. Waller, TX. (Invited Speaker)
- Henry, G.** 2019. Environmental Turfgrass Science at UGA. The Georgia Crop Improvement Association 74th Annual Membership Meeting. March 28, 2019. Athens, GA. (Invited Speaker)
- Henry, G.** 2019. Residential Turfgrass Management. Master Gardener Program. Mar. 7, 2019. Athens, GA. (Invited Speaker)
- Henry, G.** and D. McCall. 2019. Did You Know a Drone Could (or Couldn't) Do That? New England Regional Turfgrass Conference & Show. March 5, 2019. Providence, RI (Invited Speaker)
- Henry, G.** and D. McCall. 2019. Did You Know a Drone Could (or Couldn't) Do That? 2019 GCSAA Education Conference and Golf Industry Show. Feb. 5, 2019. San Diego, CA. (Invited Speaker)
- Henry, G.** 2019. Bio-Nutrition: Unlocking the True Potential of Your Turf. Landscape Pro University. January 30, 2019. Atlanta, GA. (Invited Speaker)
- Henry, G.** 2019. University Research Update – University of Georgia. 30th Annual Sports Turf Managers Association Conference & Exhibition. Jan. 25, 2019. Phoenix, AZ. (Invited Speaker)
- Henry, G., J. Brosnan, and W. Kreuser.** 2019. Meet the Experts. 30th Annual Sports Turf Managers Association Conference & Exhibition. Jan. 24, 2019. Phoenix, AZ. (Invited Speaker)
- Henry, G.** 2019. Performance Testing and Player Safety. 30th Annual Sports Turf Managers Association Conference & Exhibition. Jan. 24, 2019. Phoenix, AZ. (Invited Speaker)
- Brosnan, J. and G. Henry.** 2019. Advanced Weed Control for Athletic Field Turf. 30th Annual Sports Turf Managers Association Conference & Exhibition. Jan. 23, 2019. Phoenix, AZ. (Invited Speaker)

Creative Contributions Other Than Publications:

Twitter Account:

Henry, G. 2014. @UGATurfgrass – 2,802 followers as of March 4, 2020.

Podcast:

Henry, G. 2018. Guest of “Frankly Speaking” Podcast Project hosted by Dr. Frank Rossi. Recorded on November 12, 2018 (Invited Guest); Released on January 16, 2019.

Videos:

Henry, G. 2016. UGA Turfgrass Management Promotional Alumni Video

Henry, G. 2016. UGA Turfgrass Management Promotional Hype Video

Workshops/Field Days (Organized/Conducted) – 8 Total

Theses and Dissertations Directed:

PhD: 3

- Leslie Beck (Associate Professor – New Mexico State University)
- Rebecca Grubbs (Assistant Professor/Extension Specialist – Texas A&M University)
- Chase Straw (Assistant Professor – Texas A&M University)

MS: 7

- Brad Sladek (Product Rep – Inteligro/Suncor)
- Andrew Hephner (Market Specialist – FMC Corp.)
- Tyler Cooper (Product Rep - Dow AgroSciences)
- Chase Straw (Post Doc – University of Minnesota)
- Luellen Swayzer (co-chair – Dr. Brian Schwartz)
- A.J. Brown
- Connor Bolton

Post Doc: 1

- Jared Hoyle, PhD (Associate Professor – Kansas State University)

Other Graduate Committees:

PhD: 4

- Amber Bates
- Eric Reasor (University of Tennessee)* (Research Scientist – PBI Gordon Corp.)

- Chris Johnston (Post Doc – North Texas University)
 - Qianqian Fan
- MS: 3
- Clint Steketee
 - Megan Babb
 - Logan Dyer
- MLA: 1
- Tyler Bigham

*received adjunct faculty status in the Department of Plant Sciences at the University of Tennessee on February 1, 2014.

Awards:

2011 Outstanding Young Faculty Award – College of Agricultural Sciences and Natural Resources
 2012 Athletic Association Endowed Professorship – University of Georgia

Selected Service:

University of Georgia

- University Council (2012 – 2015)
- North Campus Advisory Group (2016 – present)

College of Agricultural and Environmental Sciences

- Center for Urban Ag Faculty Advisory Committee (2016 – present)
- CAES Faculty Council (2012 – 2015; 2016 – present)
- CAES Recruitment Council (2017 – present)
- CAES Undergraduate Affairs Committee (2014 – present)
- CAES Website Overview Committee (2014 – present)
- CAES Website Overview Committee – Departmental Pages Subcommittee (2015 – present)
- CAES Young Scholar Program
 - Mentor (2014 – Chris Bergwall, 2015 – Micah Grate, 2016 – Malcolm Williams-Green, 2017 – Guarin Brown and Michael Gabriels, 2019 – Mason Taylor)
 - Academic Interview Judge (2016 – 34 students) (2017 – 25 students) (2019 – 34 students)
 - Oral Presentation Judge (2018)
- CAES Undergraduate Research (2016 – Chris Conley, 6th place poster presentation; 2017 – Will Bowling, 1st place poster presentation; 2018 – Samuel Jackson; 2019 – Madison Moore)

Dept. of Crop and Soil Sciences

- Crop and Soil Sciences Undergraduate Coordinator (2016 – present)
- Director – Athens Turfgrass Research and Education Center (2013 – present)
- Executive Committee (2016 – present)
- Graduate Selection Committee (2017 – present)
- Teaching Committee/Graduate Subcommittee (2013 – present)
- Greenhouse Committee (2013 – present)
- Social Committee (2012 – present)
- Turf Club Faculty Advisor (2012 – present)
- Undergraduate Turfgrass Management Coordinator (2012 – present)
- Post Tenure Review Committee (2017 – Chair – Clint Waltz)
- Promotion and Tenure Committee (2017 – Chair – Jennifer Thompson; 2017 – Chair – David Jespersen; 2017 – Member – Jared Whitaker)
- Search Committee Member (2015 Turfgrass Physiology, 2017 Biogeoscience, 2017 Weed Science)
- Search Committee Chair (2018 Crop Science)

Other Professional Associations/Activities

- Southeastern Turfgrass Conference organization committee (2013, 2014)
- Southern Weed Science Society (member 2003 – present)
 - Section Chair: (2007-2008, 2010-2011, 2011-2012, 2017-2018)
 - Section Moderator: (2008, 2011, 2012, 2018)

- Oral Presentation Judge (2010, 2015)
- Legislative and Regulatory Committee (2011 – 2014)
- Crop Science Society of America (member 2004 – present)
 - C5 Symposium Moderator: Pesticide Exposure on Community Sports Fields (2013)
 - C5 Session Moderator: Weed Control and Diseases in Turfgrass (2011)
 - C5 Symposium Committee (2010, 2011, 2012), Chair (2013)
 - C5 Graduate Student Association Faculty Advisor (2010 – 2014)
 - C5 Education Symposium Committee (2014 – present)
- International Turfgrass Society (member 2010 – present)
 - Associate Editor (2012, 2016)
- Southern Extension Research Association – Information Exchange Group (member 2007 – present)
 - TX State Representative (2007 – 2011)
 - GA State Representative (2014, 2016)
 - Rep for Southern IPM Center Advisory Council (2015 – present)
- Golf Course Superintendents Association of America (member 2000 – present)
 - Collegiate Turf Bowl Coach (2015 – present) – 13th place finish 2015, 11th place finish 2017, 13th place finish 2018
- Weed Science Society of America (member 2001 – present)
- Sports Turf Managers Association (member 2012 – present)
 - Educational Committee (2015 – 2019)
 - Information Outreach Committee (2019 – present)
 - Student Challenge Coach (2015 – present) – 8th place finish 2015, 3rd place finish 2016 (Kaulin Andric, Chris Conley, Clint Connard, Chad Austin)
 - Moderator (2018, 2019)
- American Society for Horticultural Science (member 2012 – present)
- Georgia Golf Course Superintendents Association (member 2012 – present)
 - Educational Committee (2012 – present)
- Texas Turfgrass Association (member 2007 – 2012)
- Turfgrass Producers of Texas (member 2007 – 2012)
- West Texas Golf Course Superintendents Association (Board Member 2007 – 2012)

Teaching – Courses taught. F = fall, Sp = spring, Su = summer, () = enrolled students

1. FYOS 1001 – The Science Behind the Super Bowl – F 19 (14)
2. CRSS 1200 – Freshman and Transfer Student Seminar – F 19 (28), F 18 (16)
3. CRSS 3270 – Turfgrass Management – F 19 (17), F 18 (19), F 17 (15), F 16 (17), F 15 (25), F 14 (28), Sp 13 (23)
4. CRSS 3270L – Turfgrass Management Lab – F 19 (9), F 18 (9), F 16 (8), F 15 (6), F 14 (12), Sp 13 (7)
5. CRSS 3530 – Field Study in Turfgrass Management – F 16 (2)
6. CRSS 3930 – Turfgrass Internship – F 19 (1), Su 18 (2), Su 17 (1), Sp 17 (1), F 16 (3), Sp 16 (3), F 15 (1), Su 15 (2), F 14 (1), Su 14 (5)
7. CRSS 4090 – Turfgrass Physiology and Ecology – Sp 20 (9), Sp 19 (10), Sp 18 (7), Sp 17 (7), Sp 16 (5), Sp 15 (5), Sp 14 (16), F 12 (12)
8. CRSS 4220 – Topics in Crop and Soil Science – F 15 (9), F 13 (11)
9. CRSS 4750 – Environmental Turfgrass Science – Sp 20 (16), Sp 18 (10), Sp 16 (12)
10. CRSS 4960L – Undergraduate Research in CRSS – Sp 19 (1), F 16 (1), Sp 16 (1)
11. CRSS 7000 – Master’s Research – Su 19 (1), Su 17 (1), Sp 14 (1), F 13 (1), Su 13 (1), Sp 13 (1), F 12 (1)
12. CRSS 7300 – Master’s Thesis – Sp 14 (1)
13. CRSS 9000 – Doctoral Research – Su 17 (2), Sp 17 (2), F 16 (1), Su 16 (1), Sp 16 (2), F 15 (2), Su 15 (2), Sp 15 (2), F 14 (2), Su 14 (2), Sp 14 (1), F 13 (1), Su 13 (1), Sp 13 (1)
14. CRSS 9300 – Doctoral Dissertation – Su 17 (1), Sp 17 (1)
15. CRSS 9990 – Teaching Practicum – F 16 (1), F 14 (1)
16. PSS 1100 – Freshman/Transfer Student Seminar – F 10 (38), F 09 (29), F 08 (16)
17. PSS 3309 – Intro to Turfgrass Science – F 11 (11), Su 11 (18), F 10 (16), F 09 (17), F 08 (11), F 07 (15)

18. PSS 4001 – Special Topics in Plant and Soil Science – F 07 (3)
19. PSS 4316 – Turfgrass Physiology and Ecology – Sp 11 (11), Sp 10 (8), Sp 09 (11), Sp 08 (15)
20. PSS 4317 – Golf Course Construction – F 10 (17), F 08 (7)
21. PSS 4318 – Turf Pest Management – Sp 11 (22), Sp 09 (15)
22. PSS 5315 – Aspects of Golf Course Construction – F 10 (1)
23. PSS 5318 – Advanced Turfgrass Physiology and Ecology – Sp 10 (3), Sp 09 (1)
24. PSS 6000 – Master’s Thesis – Sp 12 (1), Su 11 (1)
25. PSS 7000 – Graduate Research – F 11 (3), Su 11 (2), Sp 11 (3), F 10 (2), Sp 10 (2), Su 10 (3), F 09 (2), Su 09 (1), Sp 08 (1)