

Ryan Michael Goss

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Education

- 2000-2003 - **University of Nebraska**, (Lincoln); Ph.D. – Horticulture and Forestry – December 2003
- 1997-2000 - **Michigan State University**, (East Lansing); M.S. - Crop and Soil Science - May 2000
- 1993-1997 - **The Ohio State University**, (Columbus); B.LA - Bachelors of Landscape Architecture, College of Engineering

Professional Experience

- 2011 to Present – **Associate Professor**, Department of Plant and Environmental Sciences, [New Mexico State University](#)
- 2005 to 2011 – **Assistant Professor**, Department of Plant and Environmental Sciences, [New Mexico State University](#)
- 2004 - **Post-Doctoral Research Technologist**, Department of Agronomy and Horticulture, [University of Nebraska](#)
- 2000 to 2003 - **Graduate Assistant**, Department of Agronomy and Horticulture, [University of Nebraska](#)
- 1997-2000 - **Research Assistant**, Department of Crop and Soil Science, [Michigan State University](#)

Major Professional Duties

- Teach and advise turfgrass science & management undergraduate students, horticulture undergraduate students, and turfgrass science graduate students.
- Develop online education resources for NMSU turfgrass undergraduate program
- Conduct applied, turfgrass industry related research focusing on turfgrass weed control, water-use with turfgrasses and landscape plants, and other general turfgrass management issues.
- Support the turfgrass industries of New Mexico including golf course superintendents, home owners, and athletic field managers.

Selected Publications

Peer Reviewed

- Goss, R.M.** 2017. Quality-based, field research indicates fertilization reduces irrigation requirements of four turfgrass species. *International Turfgrass J.* 13: 761-767.
- Uchanski, M. E., Grover, K., VanLeeuwen, D., **Goss, R. M.** 2015. Integrating Hoop House Construction and Environmental Data Interpretation into an Undergraduate General Education Plant Science Course. *Hort Technology*, 25(2), 247-252., Date Accepted: December 2014.
- Goss, R.M.**, R.E. Gaussoin and Z. Reicher. 2013. Biostimulants and mycorrhizas do not increase Kentucky bluegrass establishment on a sand-based rootzone. *Int. Turfgrass Sci. Soc. J.*
- Johnson, C.J., B. Leinauer, A. Ulery, D.E. Karcher and **R.M. Goss**. 2007. Moderate salinity does not affect germination of several cool- and warm-season turfgrasses. Online. *Applied Turfgrass Sci.* doi: 10.1094-ATS-2007-0912-01-RS.
- Goss, R.M.**, R.E. Gaussoin, and A.R. Martin. 2005. Survival of common turfgrass weeds following glyphosate application. *Intern. Turfgrass Res. J.* 10: 1189-1192.
- Goss, R.M.**, R.E. Gaussoin, and A.R. Martin. 2004. Phytotoxicity of clippings from creeping bentgrass treated with glyphosate. *Weed Technol.* 18: 575-579. Cited 1 time as of 22 Apr 2009 (ISI Web of Knowledge).
- Goss, R.M.**, J.H. Baird, S. Kelm, and R.N. Calhoun. 2002. Trinexapac-ethyl and nitrogen effects on creeping bentgrass under reduced light conditions. *Crop Science.* 42: 472-479. Cited 21 times as of 8 March 2010 (ISI Web of Knowledge).

Book Chapters

- Gardener, D.S. and **R.M. Goss**. 2013. Management of Turfgrass in Shade. In Stier, J.C., B.P. Horgan and S.A. Bonos (Ed.), *Turfgrass Monograph* (ed., vol. 32, pp.219-247). Madison WI: American Society of Agronomy, Crop Science Society of America, Soil Science Society of America.
- Goss, R. M., Ulery, A. L. (2013). Edaphology. *Reference Module in Earth Systems and Environmental Sciences*. Philadelphia, PA: Elsevier. dx.doi.org/10.1016/B978-0-12-409548-9.05143-5

Popular Press Items

- Anonymous. 2009. NMSU gray water study covers cooling, too. *Water and Wastewater News*. Released 23 Mar 2009. Available at <http://www-online.com/articles/71320/>.
- Anonymous. 2009. NMSU wants to use wastewater on landscaping. *The Associated Press*. Released 22 Mar 2009 by KOB Eyewitness News 4 (Albuquerque, NM). Available at <http://www.kob.com/article/stories/S844417.shtml>.

- Anonymous. 2009. NMSU working on project to use wastewater on landscapes. *The Associated Press*. Released 22 Mar 2009 by KWES News West 9 (Midland, TX). Available at http://www.kwes.com/Global/story.asp?S=10050972&nav=menu505_2.

Selected Presentations

- Dormody, T. J., Mandabach, K. H., Cowley, D. E., Acharya, R., Goss, R. M., VanLeeuwen, D. (2016). *A College-Wide Project to Improve Student Writing* (ed., vol. 60, pp. 13). NACTA Journal.
- Leinauer, B., Schiavon, M., Serena, M., Sevostianova, E. B., Goss, R. M. (2016). In ASA-CSSA-SSSA (Ed.), *Plant Growth Regulator and Soil Surfactants' Effects on Drought and Salinity Stressed Bermudagrass and Seashore Paspalum*. American Society of Agronomy | Crop Science Society of America | Soil Science Society of America. scisoc.confex.com/crops/2016am/webprogram/Paper101167.html
- New Mexico Higher Education Assessment and Retention Conference. Writing Assessment Workshop in the College of ACES. Albuquerque, NM. Authors Tom Dormody, Ram Acharya, Keith Mandabach, David Cowley, Dawn Vanleeuwen and Ryan Goss.
- New Mexico Higher Education Assessment and Retention Conference. Importance of Student Writing Assessments to NMSU Quality Initiative. Albuquerque, NM. Presented by Ryan Goss, David Smith and Greg Armfield.
- New Mexico Farm & Ranch Heritage Museum Volunteer Field Trip. Graywater project: A little used resource. Las Cruces, NM. Presented by Ryan Goss and Jason Roelle. 16 Sep 2012.
- 57th Annual New Mexico Water Conference. Hard Choices: Adapting Policy and Management to Water Scarcity. Using household graywater on bermudagrass (*Cynodon dactylon*). Las Cruces, NM. Presented by Jason Roelle. 2012. (Poster)
- Southwest Turfgrass Conference (Las Cruces, NM). Graywater for Residential Landscape Research. 2011. Presented by Jason Roelle, M.S. student. (A. 150).

Grants Awarded

- Goss, R. M. (Principal), "Evaluation of Heliae Microalgae for Bermudagrass Growth and Quality", Sponsoring Organization: Heliae Development, LLC, \$19,200. (September 16, 2015 - September 15, 2016).
- Goss, R. M. (Principal), Winingham, J. K., "I-Corps: A Novel, Eco-Friendly Essential Oil-Based Pesticide for Organic Use", National Science Foundation, \$50,000. (October 15, 2015 - March 31, 2016).
- Goss, R.M. (Principal). Contract research for turfgrass weed control products, fertilizer efficacy, soil wetting agents and their interactions.

Professional Service

- Academic Department Program Review (member)
- Academic Program Assessment of Student Learning (PES chair)
- ACES Student Assessment Committee (former member)
- Committee for Assessment of Student Learning – General Education (former chair)
- Crop Science Society of America (former secretary of C-5 Division, moderator, member)
- Fox Run Golf Course (consultant)
- Higher Learning Commission – Criterion 4 Team (member, writer)
- NILOA Excellence in Assessment Application Team (member)
- NMSU Faculty Senate (senator, subcommittee member)
- NMSU Turf Club (faculty advisor)
- PES Curriculum Committee (former member)
- PES Scholarship and Awards Committee (former chair)
- PES Undergraduate Recruitment and Retention Committee (former member)
- Rio Grande Chapter of Golf Course Superintendents Association of America (member)
- Search Committees (former member)
- Southwest Turfgrass Association (former board member)
- Twin Warriors Golf Course (consultant)
- Western Interstate Commission for Higher Education (New Mexico Interstate Passport Facilitator)

Honors & Awards

- Outstanding Teaching Award, North American Colleges and Teachers of Agriculture (NACTA), (April 2014). 2014 ACES Award Recipient for the NACTA Outstanding Teaching Award
- Education Publication Award, American Society for Horticultural Science, (July 2016). The paper Integrating Hoop House Construction into an Undergraduate General Education Plant Science Course was recognized as the most outstanding paper on horticultural education published by the Society in 2015.
- Distinguished Member, Teaching Academy, University. (May 1, 2016; May 1, 2015). Distinguished Member awards for those that participated in a significant number of teaching academy activities.
- Induction, Gamma Sigma Delta, Honor Society of Agriculture, (October 20, 2006). Inducted into the Gamma Sigma Delta Honor Society of Agriculture