

Roch E. Gaussoin

Professor

Department of Agronomy and Horticulture

University of Nebraska

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Education: Ph.D. 1988, Michigan State University, Crop & Soil Sciences-*Turfgrass Weed Ecology & Management*
M.S. 1983, New Mexico State University, Crop Science-*Plant Breeding*
B.S. 1980, New Mexico State University, Agronomy.

Academic Employment History:

University of Nebraska-Lincoln

Professor	7/2017 – present
Professor and Head	7/2012 – 7/2017
Professor and Interim Head	7/2011 - 7/2012
Professor, Extension Specialist	7/2001 - 7/2011
Assoc. Professor, Extension Specialist	7/1996 - 7/2001
Assist. Professor, Extension Specialist	6/1991 - 7/1996

Kansas State University

Assist. Professor, Research & Teaching	7/1988 - 6/1991
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Michigan State University

Academic Specialist	7/1987 - 7/1988
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New Mexico State University

Research Technologist-Turfgrass Plant Breeding	5/1980 - 3/1984
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Honors and Awards:

- 2020 Fellow, American Association for the Advancement of Science
- 2016 Appointed to National Agricultural Research, Extension, Education, and Economics Advisory Board (NAREEEAB) by US Secretary of Agriculture
- 2016 Chair, Alliance of Crop, Soil, and Environmental Science Societies (ACSESS)
- 2015 President, Crop Science Society of America
- 2013 Distinguished Alumni Award, College of Agricultural, Consumer and Environmental Sciences, New Mexico State University
- 2013 Crop Science Extension Education Award, Crop Science Society of America
- 2013 Telly Award. Backyard Farmer, Turf 101
- 2013 Regional Emmy Nomination. Backyard Farmer, Turf 101
- 2013 Golf Course Superintendents Association of America, Col. John Morley Distinguished Service Award
- 2013 Nebraska Turfgrass Association, Distinguished Service Award
- 2008-2013 Cyril Bish Distinguished Professor of Horticulture, University of Nebraska-Lincoln (resigned due to position change to administration)
- 2008 Fred V. Grau Turfgrass Science Award, Crop Science Society of America
- 2006 Fellow, Crop Science Society of America

- 2006 Certificate of Merit for Extension Publications 16 pages or longer, American Society of Agronomy for *The 2006 Nebraska Guide for Weed Management*, M. Bernards, R. Gaussoin, B.. Kappler, R. Klein, S. Knezevic, D. Lyon, A. Martin, F. Roeth, P. Shea, L. Schulze, R. Wilson
- 2005 Fellow, American Society of Agronomy
- 2003 Presidential Award of Merit, Nebraska Turfgrass Association
- 2000 Educator of the Year, Nebraska Professional Lawn Care Association (NPLCA)
- 1999 Discover Magazine Award for Technological Innovation, “Top Ten for 2000” for the “Ristometer” see: Rist, A. M., M.F.Kocher, W.W. Stroup, R.E. Gaussoin, R.D. Grisso, R.C. Shearman. 1999. *Crop Science* 39:741-745).
- 1999 Sigma Xi -Outstanding Young Scientist, University of Nebraska-Lincoln.
- 1997 Exceptional Service Award, Nebraska Golf Course Superintendents Association (NGCSA)
- 1997 American Society of Agronomy Certificate of Excellence, Educational Materials Award. *Integrated Turfgrass Management Guide for the Northern Great Plains*. F.B. Baxendale and R.E. Gaussoin (ed.). Coop. Ext. Pub. No. EC931557. Univ. of Nebraska, Lincoln, NE.
- 1995 American Society for Horticultural Science, Extension Educational Aids Award for Excellence. *Integrated Management Guide for Nebraska Turfgrass*. F.P. Baxendale and R.E. Gaussoin (ed.). Coop. Ext. Pub. No. EC931588. Univ. of Nebraska, Lincoln, NE.
- 1995 American Society of Agronomy Certificate of Excellence, Educational Materials Award. *Integrated Management Guide for Nebraska Turfgrass*. F.B. Baxendale and R.E. Gaussoin (ed.). Coop. Ext. Pub. No. EC931588. Univ. of Nebraska, Lincoln, NE.
- 1993 American Society of Agricultural Engineers Blue Ribbon Award, Education Aids Competition, *Integrated Management Guide for Nebraska Turfgrasses*. Coop. Ext. Pub. No. EC93-1588. Univ. of Nebraska, Lincoln, NE.
- 1990 Academic Advisor of the Year, Kansas State University, College of Agriculture. 1989-1990 Academic Year.
- 1986 Outstanding graduate student paper presentation. American Society of Agronomy. Annual Meeting. Division C-5.
- 1981 Outstanding graduate student paper presentation. Western Society of Crop Science. Annual Meeting.

Professional/Academic Publication Summary:

Book chapters:	1	Refereed papers:	98
Extension Publications:	100+	Nontechnical papers:	75+
Invited Presentations:	400+	Cultivar Releases	5
Patents	4	Grants	\$6.9 million+

Professional Service History:

- Executive Board Member, Crop Science Society of America
 - Numerous additional committee service within this organization
- Division Chair (Turfgrass Science), Crop Science Society of America
- Board Member, American Society of Agronomy
 - Numerous additional committee service within this organization

- Technical Editor, Crop, Forage and Turfgrass Management
- Acquisitions Editor, Applied Turfgrass Science

- Board Member, Nebraska Crop Improvement Association
- Associate Editor, Crop Science
- Associate Editor, International Turfgrass Society Research Journal
- Contributing Editor, TurfNews, Newsletter of Turfgrass Producers International
- Green Section Research Committee, United States Golf Association
- Education Committee, Golf Course Superintendents Association of America
- Faculty Member, Golf Course Superintendents Association of America
- Ex-officio Board Member, Nebraska Golf Course Superintendents Association
- Ex-officio Board Member, Nebraska Turfgrass Association
 - Numerous additional committee service within this organization

Refereed Publications (*graduate students Gaussoin advised italics*):

1. **Gaussoin, R.E.** and B.E. Branham. 1987. Annual bluegrass and creeping bentgrass germination response to flurprimidol. *HortScience* 23:178-179.
2. **Gaussoin, R.E.**, A.A. Baltensperger and B.N. Coffey. 1988. Response of 32 bermudagrass clones to reduced light intensity. *HortScience* 23:178-179.
3. **Gaussoin, R.E.** and B.E. Branham. 1989. Influence of cultural factors on species dominance in a mixed stand of creeping bentgrass and annual bluegrass. *Crop Sci.* 29:480-484.
4. **Gaussoin, R.E.**, J.A. Murphy and B.E. Branham. 1990. A flush-mounted, vertically installed tensiometer for turfgrass research. *HortScience* 25(8):928-929.
5. Lamont, W.J., D.L. Hensley, S.C. Wiest and **R.E. Gaussoin**. 1993. Relay intercropping muskmelons with Scotch pine Christmas trees using plastic mulch and drip irrigation. *HortScience* 28:177-178.
6. **Gaussoin, R.**, J. Nus and L. Leuthold. 1995. A modified Stimpmeter for small plot turfgrass research. *HortScience* 30(3):547-548.
7. Riordan, T.P., J. Johnson-Cicalese, F.B. Baxendale, **R.E. Gaussoin**, G.L. Horst and R.C. Shearman. 1995. Registration of '315' buffalograss. *Crop Sci.* 35(4):1206.
8. Masters, R.A., S.J. Nissen, **R.E. Gaussoin**, *D.D. Beran* and R.N. Stougaard. 1996. Imidazolinone herbicides improve restoration of Great Plains Grasslands. *Weed Tech.* 10:392-403.
9. *Unruh, J.B.*, **R.E. Gaussoin** and S.C. Wiest. 1996. Basal growth temperatures and growth rate constants of warm-season turfgrass species. *Crop Sci.* 36:997-999.
10. Fry, J.D., **R.E. Gaussoin**, *D.D. Beran* and R.A. Masters. 1997. Buffalograss establishment with preemergence herbicides. *HortSci.* 32(4):683-686.
11. Horst, G.L., D.H. Steinegger and **R.E. Gaussoin**. 1997. Comparative evapotranspiration rates of landscape and turfgrass groundcovers. *Int. Turfgrass Soc. Res. J.* 8:1274-1279.
12. Gaussoin, R.E., B.E. Branham and J.A. Flore. 1997. Carbon dioxide exchange rate and chlorophyll content of turfgrasses treated with flurprimidol or mefluidide. *J. of Plant Growth Regulation* 16(2):73-78.
13. *Giese, M.S.*, **R.E. Gaussoin**, R.C. Shearman and T.P. Riordan. 1997. Sod production characteristics of turf-type buffalograss. *Int. Turfgrass Soc. Res. J.* 8:455-465.
14. Johnson, P.G., T.P. Riordan, **R.E. Gaussoin**, D. Schwarze and K. Kerner. 1997. Vegetative establishment of buffalograss with plugs: method and management. *Int. Turfgrass Soc. Res. J.* 8:467-476.

15. Riordan, R.P., P.G. Johnson, **R.E. Gaussoin** and J.F. Svoboda. 1997. Seedling germination and establishment of buffalograss caryopses vs. burs. *Int. Turfgrass Soc. Res. J.* 8:749-756.
16. *Rist, A.M., R.E. Gaussoin* and R.C. Shearman. 1997. Season and genotype influence golf ball roll distance on creeping bentgrass. *HortScience* 32(5):878-879.
17. *Frank, K., R.E. Gaussoin*, T. P. Riordan and E. D. Miltner. 1998. Date of planting effects on seeded turf-type buffalograss. *Crop Sci.* 38:1210-1213.
18. *Beran, D.D., R.E. Gaussoin* and R. A. Masters. 1999. Native wildflower establishment with imidazolinone herbicides. *Hort Science.* 34:283-286.
19. Masters, R. A., *Beran, D. D., R.E. Gaussoin*, and F. Rivas-Pantoja. 1999. Developing integrated weed management strategies to restore Great Plains grasslands. p. 204-207. *Proc. Second Eastern Native Grass Symposium.* November 17-19, 1999. Baltimore, MD.
20. *Rist A.M., M.F. Kocher, W.W. Stroup, R.E. Gaussoin*, R.D. Grisso and R.C. Shearman. 1999. Golf ball deceleration measuring system to evaluate surface uniformity of golf course greens. *Crop Sci.* 39:741-745.
21. *Beran, D.D., R.A. Masters* and **R.E. Gaussoin**. 2000. Establishment of big bluestem and Illinois bundleflower mixtures with imazapic and imazethapyr. *Agron. J.* 3: 592-596.
22. *Streich, A.M.* and **R.E. Gaussoin**. 2000. Quantifying the impacts of genotype selection and turfgrass management on the speed and smoothness of putting greens. *Diversity.* 16:1,2(35-36).
23. Masters, R. A., *D. D. Beran*, and **R.E. Gaussoin**. 2001. Restoring tallgrass prairie species on leafy spurge infested rangelands. *J. Range Manage.* 54:362-369.
24. *Frank, K. W., R.E. Gaussoin*, T.P. Riordan, W.W. Stroup, and M.H. Bloom. 2001. Nitrogen allocation of turfgrasses: I. Recovery of 15N-labeled ammonium nitrate applied to buffalograss [*Buchloe dactyloides* (Nutt.) Englem]. *Int. Turf. Soc. Res. J.* 9:268-276.
25. *Frank, K. W., R.E. Gaussoin*, T.P. Riordan, W.W. Stroup, and M.H. Bloom. 2001. Nitrogen allocation of turfgrasses: II. Recovery of 15N-labeled ammonium nitrate applied to Kentucky bluegrass (*Poa pratensis* L.) and tall fescue (*Festuca arundinacea* Schreb.) *Int. Turf. Soc. Res. J.* 9:277-286.
26. Fry, J. S. Rodie, **R. Gaussoin**, S. Wiest, W. Upham, and A. Zuk. 2001. Using flowering ornamentals to guide application of preemergence herbicides in the Midwestern U.S. *Int. Turf. Soc. Res. J.* 9:1009-1012.
27. **Gaussoin, R.E.**, D. Minner, S. Keeley, and M. Vaitkus. 2001. Annual seeding of *Cynodon dactylon* [L.] Pers. for improved performance of heavily trafficked athletic fields in temperate climates. *Int. Turf. Soc. Res. J.* 9: 865-869.
28. *Heckman, N. L., G.L. Horst*, and **R.E. Gaussoin**, 2001. Influence of trinexapacethyl on specific leaf weight and chlorophyll content of *Poa pratensis* . *Int. Turf. Soc. Res. J.* 9: 287-290.
29. *Heckman, N. L., G.L. Horst, R.E. Gaussoin*, and L.J. Young. 2001. Heat tolerance of Kentucky bluegrass as affected by trinexapac-ethyl. *HortSci.* 36:365-367.
30. *Heckman, N. L. R.E. Gaussoin*, and G.L. Horst. 2001. Multiple trinexapac-ethyl applications reduce Kentucky bluegrass sod storage temperatures. *HortTech.* 11:595-598
31. *Heckman, N.L., G.L. Horst, R.E. Gaussoin*, and K.W. Frank. 2001. Storage and handling characteristics of trinexapac-ethyl treated Kentucky bluegrass sod. *HortSci.* 35:1127-1129.
32. Shearman, R. C., T.R. Turner, K.N. Morris, **R.E. Gaussoin**, M.R. Vaitkus, L.A. Wit. 2001. Sod strength and lateral spread of *Poa pratensis* cultivars and experimental lines. *Int. Turf. Soc. Res. J.* 9:928-933.
33. Watkins, J.E., **R.E. Gaussoin**, *K.W. Frank*, and L.A. Wit. 2001. *Rhizoctonia* brown patch severity and perennial ryegrass quality as influenced by nitrogen rate, nitrogen carrier, and cultivar. *Int. Turf. Res. Soc. J.* 9:723-728.
34. Watkins, J. E., R.C. Shearman, **R.E. Gaussoin**, W. K. Cecil, M. Vaitkus, L.A. Wit. 2001. An integrated approach to dollar spot management on a bentgrass fairway. *Int. Turf. Soc. Res. J.* 9:729-735.

35. Kerek, M., R. A. Drijber, W.L. Powers, R. C. Shearman, **R.E. Gaussoin**, A. M. Streich. 2002. Accumulation of microbial biomass within particulate organic matter of aging golf greens. *Agron. J.* 94:455-461
36. Frank, K.W., **R.E. Gaussoin**, J.D. Fry, M.D. Frost and J. H. Baird. 2002. Nitrogen, phosphorous, and potassium effects on seeded buffalograss establishment. *HortScience* 37: 371-373.
37. Heckman, N.L., G.L. Horst, **R.E. Gaussoin**, and B.T. Tavener. 2002. Trinexapacethyl influence on cell membrane thermostability of Kentucky bluegrass leaf tissue. *Scientia Horticulturae* 92:185-188.
38. Heckman, N.L., T.E. Elthon, G.L. Horst, and **R.E. Gaussoin**. 2002. Influence of trinexapac-ethyl on respiration of isolated wheat mitochondria. *Crop Sci.* 42:423-427.
39. Heckman, N.L., G.L. Horst, **R.E. Gaussoin**. 2002. Planting depth effect on emergence and morphology of buffalograss seedlings. *HortScience.* 37:506-507.
40. Kerek, M., R. A Drijber and **R.E. Gaussoin**. 2003. Labile soil organic matter as a potential nitrogen source in golf greens. *Soil Biol. and Biochem.* 35:1643-1649.
41. Karcher, D.E., R. M. Goss, M.D. Richardson, **R.E. Gaussoin** and M.E. Secks. 2003. Does blocking affect experimental efficiency on sand-based putting greens? *Crop Sci.* 43:2295-2297.
42. Goss R.M., **R.E. Gaussoin**, A.R. Martin 2004. Phytotoxicity of clippings from creeping bentgrass treated with glyphosate. *Weed Technology*,18: 575-579.
43. Frank K.W., **R.E. Gaussoin**, T.P. Riordan, R.C. Shearman, J.D. Fry, E.D. Miltner, P.G. Johnson. 2004. Nitrogen rate and mowing height effects on turf-type buffalograss. *Crop Science* 44:1615-1621
44. Heckman N., G.E. Meyer, G.L. Horst, R. Gaussoin. 2004. Direct calorimetric analysis of turfgrass sod for storage life assessment. *Scientia Horticulturae.* 102:1-10.
45. Budak, H., R.C. Shearman, I. Parmasksiz, **R.E. Gaussoin**, T.P. Riordan and I.Dweikat. 2004. Molecular characterization of buffalograss germplasm using sequence-related amplified polymorphism markers. *Theor. Appl. Genet.* 108:328-334
46. Budek H., R.C. Shearman, **R.E. Gaussoin**, L. Dweikat. 2004. Application of sequence-related amplified polymorphism markers for characterization of turfgrass species. *HortScience* 39: 955-958.
47. Gaussoin, R.E., B.E. Branham and J.A. Flore.2005. The Influence of environmental variables on CO₂ exchange rates of three cool season turfgrasses. *Int. Turfgrass Soc. Res. J.* 10:850 -856.
48. Heckman, N., **R.E. Gaussoin**, G. L. Horst, and C. G. Elowsky. 2005. Growth regulator effects on cellular characteristics of two turfgrass species. *Int.Turfgrass Soc. Res. J.* 10:857-861.
49. Streich, A. M., R. E. Gaussoin, W. W. Stroup, and R. C. Shearman 2005. Survey of management and environmental influences on golf ball roll distance. *Int. Turfgrass Soc. Res. J.I.* 10: p. 446-454
50. Severmutlu, S., T.P. Riordan, R.C. Shearman, **R.E. Gaussoin**, and L.E. Moser. 2005. Overseeding Buffalograss Turf with Fine-Leaved Fescues. *Crop Sci.* 45:704-711.
51. Goss R.M., **R.E. Gaussoin** and A.R. Martin. 2005. Survival of Common Turfgrass Weed Populations Following Glyphosate Application. *Int. Turfgrass Soc. Res. J.* 10:1189 -1192.
52. Shearman, R.C., L.A. Wit, S. Severmutlu, H, Budak, and **R.E. Gaussoin**. 2005. Colorant Effects on Dormant Buffalograss Turf Performance. *HortTech.* 15:244-246.
53. Shearman, R.C., H. Budak, S. Severmutlu, and **R.E. Gaussoin**. 2005. Burr Seeding Rate Effects on Turf-type Buffalograss Establishment. *HortTech.* 15:246-249.
54. Giese, M. S., R. J. Keese, N.E. Christians, and **R.E. Gaussoin**, R. E. 2005. Mesotrione: a potential selective post-emergence herbicide for turf grass. *Int. Turfgrass Soc. Res. J,* 10, 100-101.
55. Goss, R. M., J. H. McCalla, R.E. Gaussoin, and M.D. Richardson. 2006. Herbicide tolerance of buffalograss. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2006-0621-01-RS.
56. Lewis, J.D., R.E. Gaussoin, R.C. Shearman, and L.J.Giesler. 2007. Golf course putting green rootzone and establishment effects on pythium foliar blight on creeping bentgrass. Online. *Applied Turfgrass Science* doi: 10.1094/ATS-207-0806-01-RS.

57. Hooks, T., J. F. Pedersen, D. B. Marx, and **R.E. Gaussoin** 2007. Changing the support of a spatial covariate: A simulation study. *Crop Sci.* 47: 622-626.
58. Carstens, J., T. Heng-Moss, F. Baxendale, **R. Gaussoin**, K. Frank, and L. Young. 2007. Influence of buffalograss management practices on the chinch bug, *Blissus occiduus* Barber, and its beneficial arthropods. *J. Econ. Entomol.* 100: 136-147.
59. *McClellan, T.A.*, R.C. Shearman, **R.E. Gaussoin**, M. Mamo, C. S. Wortmann, G.L. Horst, and D.B. Marx. 2007. Nutrient and Chemical Characterization of Aging Golf Course Putting Greens: Establishment and Rootzone Mixture Treatment Effects. *Crop Sci.* 47:193-199.
60. Morton, D., D. Weisenberger, Z. Reicher, B. Branham, B. Sharp, **R. Gaussoin**, et al. 2007. Evaluating bispyribac-sodium and sulfosulfuron for control of roughstalk bluegrass. *HortScience.* 42(7):p. 1710-1714.
61. *McClellan, T. A.*, **R.E. Gaussoin**, R. C. Shearman, C. S. Wortmann, M. Mamo, G. L. Horst and D.B. Marx. 2009. Nutrient and chemical properties of aging golf course putting greens as impacted by soil depth and mat development. *HortScience.* 44(2):p. 452-458.
62. Abeyo B.G., R. C. Shearman, **R.E. Gaussoin**, L. A. Wit and D. D. Serba. 2009. Blue Fescue Overseeding Improves Performance of Fairway Height Buffalograsses. *HortScience* 44: 1444-1446.
63. *Goss, R. M.*, **R.E. Gaussoin**, and A. R. Martin. 2009. Glyphosate rate-response of common turfgrass weeds. *Int. Turfgrass Soc. Res. J.* 11(Part 2):p. 1191-1197.
64. *Lewis, J. D.*, **R.E. Gaussoin**, R. C. Shearman, M. Mamo, and C. S. Wortmann. 2010. Soil physical properties of aging golf course putting greens. *Crop Sci.* 50(5):p. 2084-2091.
65. Peterson, K. W., R. C. Shearman, **R.E. Gaussoin**, G. L. Horst, and W. H. Schacht. 2010. Growing degree-day influence on sprigged establishment of two buffalograss cultivars. *HortScience.* 45(2):p. 293-298.
66. **Gaussoin, R.**, *C. Schmid*, K. Frank, T. Butler, H. Liu, W. Jarvis, and C. Baldwin. 2009. Foliar uptake of nutrients applied in solution to Creeping Bentgrass (*Agrostis palustris* Huds.), Annual Bluegrass (*Poa annua* var. *reptans* (Hauskn.) Timm) and Ultra-Dwarf Bermudagrass (*Cynodon dactylon* x *C. transvaalensis* Burt-Davy). *Proc. Intl. Plant Nutrition Coll.* XVI.
67. Severmutlu, S., N. Mutlu, E. Gurbuz, O. Gulsen, M. Hocagil, O. Karaguzel, T. Heng-Moss, R. Shearman and **R. Gaussoin**. 2011. Drought resistance of warm season turfgrasses in Mediterranean region of Turkey. *HortTechnology.* 21(6):p. 726-736.
68. Severmutlu, S., N. Mutlu, R. C. Shearman, E. Gurbuz, O. Gulsen, M. Hocagil, O. Karaguzel, O. T. Heng-Moss, T. P. Riordan, **R.E. Gaussoin**. 2011. Establishment and turf qualities of warm-season turfgrasses in the mediterranean region. *HortTechnology.* 21(1):p. 67-81.
69. Proctor, C. A., **R.E. Gaussoin**, and Z. J. Reicher. 2011. Vegetative reproduction potential of common purslane (*Portulaca oleracea*). *Weed Tech.* 25(4):694-697.
70. Stamm, M. D., F. P. Baxendale, T. M. Heng-Moss, B. D. Siegfried, E. E. Blankenship, and **R.E. Gaussoin**. 2011. Dose-response relationships of clothianidin, imidacloprid, and thiamethoxam to *Blissus occiduus* (Hemiptera:Blissidae). *J. Econ. Entomol.* 104(1):p. 205-210.
71. Stamm, M. D., T. Heng-Moss, F. Baxendale, B. Siegfried, **R. Gaussoin**, D. Snow, D. and D. Cassada. 2012. Effect of distribution and concentration of topically applied neonicotinoid insecticides in buffalograss, *Buchloe dactyloides*, leaf tissues on the differential mortality of *Blissus occiduus* under field conditions. *Pest Manage. Sci.* (wileyonlinelibrary.com) DOI 10.1002/ps.3387
72. Bernardis, M. L., R. J. Crespo, G. R. Kruger, **R. Gaussoin**, and P. J. Tranel. 2012. A Waterhemp (*Amaranthus tuberculatus*) Population Resistant to 2,4-D. *Weed Science:* 60: pp. 379-384.
73. Sewell, S., D. McCallister, **R. Gaussoin** and C. Wortmann. 2012. Lawn Management Practices and Perceptions of Residents in 14 Sandpit Lakes of Nebraska. *J of Extension.* 04/26/10 07:20:57

74. Han I., D. Li, W. Fang, Y. Wang and **R. Gaussoin**. 2012. Analysis of Soil Chemical Properties of Sand-Based Turfgrass Rootzones using Fourier Transform–Infrared Spectroscopy. *Comm. in Soil Sci. and Plant Anal.* 43:21; 2709-2721
75. K.W. Peterson, C.J. Wegner, K.L. Amundsen, **R.E. Gaussoin**, W.H. Schacht, G.L. Horst, R.C. Shearman. 2013. Mowing Height and Genotype Influence on Carbohydrate Content of Buffalograss. *Crop Sci.* 53:1153-1160.
76. Maugnan, M., D. Bollero, D.K. Lee, R. Darmody, R. Darmody, S. Bonos, L. Cortese, J. Murphy, **R. Gaussoin**, M. Sousek, D. Williams, L. Williams, F. Miguez and T. Voight. 2012. *Miscanthus X giganteus* productivity: the effects of management in different environments. *GCB Bioenergy*, doi: 10.1111/j.1757-1707.2011.01144.x
77. Goss, R. M., and **R.E. Gaussoin**. 2013. Biostimulants and mycorrhizas do not increase *Poa pratensis* establishment on a sand-based root zone. *Int. Turfgrass Soc. Res. J.* 12:p. 169-177.
78. Stamm M. D. T. M. Heng-Moss F. P. Baxendale J. C. Reese B. D. Siegfried T. E. Hunt, **R.E. Gaussoin** and E. E. Blankenship. 2013. Effects of Thiamethoxam Seed Treatments on Soybean Aphid (Hemiptera: Aphididae) Feeding Behavior. *Journal of Economic Entomology.* 106, Issue 6:2384–2390. <https://doi.org/10.1603/EC13268>
79. Wang, Y., W. Fang, D. Li, and **R. Gaussoin**. 2013. Soil chemical properties of golf greens affected by age, initial construction and establishment. *Int. Turfgrass Soc. Res. J.* 12:p. 539-544.
80. Reicher, Z., M. Sousek, and **R. Gaussoin**. 2014. Fall or late winter applications of preemergence herbicides rarely provide season-long control of crabgrass (*Digitaria* spp) in Nebraska. Online. *Applied Turfgrass Science* doi: 10.2134/ATS-2014-0024-BR.
81. Berndt, W. L., **R.E. Gaussoin**, and J. M. Vargas. 2014. Cellulase accelerates short-term decay of thatch-mat. *Agron. J.* 106(3):p. 781-788.
82. Sousek, M., **R.E. Gaussoin**, A. J. Patton, D. V. Weisenberger, and Z. J. Reicher. 2014. Weed control and turf safety of single and sequential applications of herbicides over spring seedings. Online. *Applied Turfgrass Science* doi: doi:10.2134/ATS-2013-0046-RS.
83. Watkins, E., D. S. Gardner, J. C. Stier, D. J. Soldat, R. A. St. John, N. E. Christians, **R.E. Gaussoin** et al. 2014. Cultivar performance of low-input turfgrass species for the North Central United States. *Appl. Turfgrass Sci.* 11(1):p. 1-7. doi: 10.2134/ATS-2013-0101-RS
84. Schmid, C.A., **R.E. Gaussoin** and S. A. Gaussoin. 2014. Organic Matter Concentration of Creeping Bentgrass Putting Greens in the Continental U.S. and Resident Management Impact. *Applied Turfgrass Science* doi:10.2134/ATS-2014-0031-BR
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Patents:

Buffalograss cultivars '315', '120', '61' and '118'

Book Chapter:

Gaussoin, R. E., Berndt, W. L., *Dockrell, C. A.*, Drijber, R. 2013. Characterization, Development, and Management of Organic Matter in Turfgrass Systems. *In* John C. Stier, Brian P. Horgan, and Stacy A. Bonos (Ed.), *Turfgrass: Biology, Use, and Management* (vol. 56). Agronomy Monograph.