

## *Curriculum Vitae*

**John C. Sorochan, Ph.D.**

Department of Plant Sciences

University of Tennessee

Knoxville, TN 37996

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### **PROFESSIONAL EXPERIENCE:**

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#### ***Distinguished Professor***

Department of Plant Sciences, University of Tennessee

70% Research : 30% Teaching

1 July 2015 – present

#### ***Associate Professor & Distinguished Scientist***

Department of Plant Sciences, University of Tennessee

70% Research : 30% Teaching

1 May 2011 – 30 June 2015

#### ***Associate Professor***

Department of Plant Sciences, University of Tennessee

60% Research : 40% Teaching

1 July 2007 – 30 April 2011

#### ***Assistant Professor***

Department of Plant Sciences & Landscape Systems, University of Tennessee

60% Research : 40% Teaching

20 May 2002 – 30 June 2007

#### ***Adjunct Professor***

University of Arkansas

Fayetteville, AR

January 2020 – Present

#### ***Board Member and Co-founder***

Dream Academy Soccer Foundation for Botswana

Raleigh, NC

April 2016 – Present

#### ***Select Turf Services, LLC - President***

Turfgrass Consultant

Knoxville, TN

1 August 2013 – Present

***Summit Performance Testing, LLC - President***

University spinoff licensee of UTRF technology  
Knoxville, TN  
1 August 2013 – Present

***Board Member and Co-founder***

European Institute for Turfgrass Science  
Hamburg, Germany  
25 November 2009 – 2017

**EDUCATION:**

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**Ph.D. in Crop & Soil Sciences**, Michigan State University, E. Lansing, MI. 2002. DISSERTATION: Sugar in Shade: The Effects of Exogenous Fructose Applications to Turfgrass Under Reduced Light Conditions.

**M.S. in Crop & Soil Sciences**, Michigan State University, E. Lansing, MI. 1999. THESIS: The Effects of Turves Within a Refined Wood Fiber Mat (Ecomat) Over Plastic

**B.S. in Crop & Soil Sciences**, Michigan State University, E. Lansing, MI. 1995.

**Ag Tech – Turfgrass Management**, Michigan State University, E. Lansing, MI. 1993.

**CURRENT SERVICE:**

***University:***

Tenured Faculty Advisory Council (2021 – 2023)  
Plant Sciences Undergraduate Curriculum Committee (2002 – present)

***Association committees:***

Research Advisor for Turfgrass Producers International (2013 present)  
Board Member for the National Turfgrass Foundation (2010 present)  
Crop Science Society of America Reviewer (CSSA) (1995 - present)  
Soil Science Society of America Reviewer (SSSA) (1995 - present)  
American Society of Agronomy Reviewer (ASA) (1995 - present)  
American Society of Horticultural Science Reviewer (ASHS) (2004 - present)  
Sports Turf Mangers Association Education Committee (STMA) (1995 - present)  
Education Advisor for Turfgrass Producers International (TPI) (2017 - present)

***Association memberships:***

Golf Course Superintendents Association of America (GCSAA) (1991 - present)  
Sports Turf Mangers Association (STMA) (1995 - present)  
Tennessee Turfgrass Association (TTA) (2002 - present)  
Tennessee Valley Sports Turf Managers Association (TVSTMA) (2002 - present)  
International Turfgrass Society (ITS) (1994 – present)  
Synthetic Turf Council (STC) (2010 – present)

**PROFESSIONAL ACCOMPLISHMENTS HIGHLIGHTS:**

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• Refereed Publications	79
• Grants Awarded (received > \$5 million)	22
• In-kind Research Contributions (> \$5 million)	>100
• Books	1
• Book Chapters	2
• Patents	2
• Patents Pending	2
• Invention Disclosures	6
• Published Abstracts	79
• Web Based Extension Pubs	14
• Extension Publications	15
• Turfgrass Management DVD	2
• Professional Publications	79
• Invited Seminars	288
• Invited International Seminars	45
• Honors and Awards	15
• Scientific Journals Served Peer Reviews	8
• Ph.D. Graduates (major advisor) Completed	3
• M.S. Graduates (major advisor) Completed	13
• Current Graduate Students (3 – MS, 1 – Ph.D.)	4
• Formal Courses Offered	14

**REFEREED PUBLICATIONS:** \* denotes Sorochan lab as PI

1. Bearss, R., Kilby, J., Guevara, J., Rogers, E., Rogers, III, J., Burbrink, C., Navarrete, I., Dickson, K., Fielder, R., Williams, T., Stier, J., & **Sorochan**, J. (2023). An evaluation of root production and surface performance characteristics of perennial ryegrass carpet-mat systems. *International Turfgrass Society Research Journal*. (In Review)
2. Bearss, R., Kilby, J., Guevara, J., Rogers, E., Rogers, III, J., Burbrink, C., Navarrete, I., Dickson, K., Fielder, R., Williams, T., Stier, J., & **Sorochan**, J. (2023). The potential application of shock pads in natural turf systems temporarily converted for stadiums. *Sports Engineering*. (In Review)
3. Burbrink, C., Navarrete, I., Dickson, K., Fielder, R., Williams, T., Stier, J., Kilby, J., Bearss, R., Guevara, J., Rogers, E., Rogers, III, J., & **Sorochan**, J. (2023). The impact of ball drop height on ball rebound height for natural turfgrass systems. *Sports Engineering*. (In Review)
4. Dickson, K., Layne, M., Horvath, B., Burbrink, C., Navarrete, I., Fielder, R., Williams, T., Stier, J., Kilby, J., Bearss, R., Guevara, J., Rogers, E., Rogers, III, J., & **Sorochan**, J. (2023). Comparing Three Hybrid Bermudagrass (*Cynodon dactylon* x *C. transvaalensis*) Cultivars for their use on Football Fields in the United States Transition Zone. *Sports Engineering*. (In Review)
5. Guevara, J., Bearss, R., Kilby, J., Rogers, E., Rogers, III, J., Burbrink, C., Navarrete, I., Dickson, K., Fielder, R., Williams, T., Stier, J., & **Sorochan**, J. (2023). Assessing drainage mats for a shallow profile football pitch. *Sports Engineering*. (In Review)
6. Kilby, J., Bearss, R., Guevara, J., Rogers, E., Rogers, III, J., Burbrink, C., Navarrete, I., Dickson, K., Fielder, R., Williams, T., Stier, J., & **Sorochan**, J. (2023). Variation in surface hardness in response to simulated traffic between stabilized cool-season turf systems. *Sports Engineering*. (In Review)
7. Brown, S. A., J. M. Lardie, J. A. Melaro, K. H. Dickson, J. C. **Sorochan**, & J. T. Weinhandl. (2023). Tibial acceleration peaks and integrals on three different surfaces during M-Drill. *Footwear and Science*, S134-S135. <https://doi.org/10.1080/19424280.2023.2199399>.
8. Elvidge, T., Brown, S., Valenzuela, K., **Sorochan**, J., Weinhandl, J. T., and Zhang, S. (2022). Knee and ankle biomechanics in 90° side cutting on synthetic turf with shock pad. *Footwear Science*, 1–11. <https://doi.org/10.1080/19424280.2022.2077842>
9. Dickson\*, Kyle H, Chase M Straw, Adam W Thoms, Troy D Carson, and John C **Sorochan**. Impact of third generation synthetic turf athletic field age on surface hardness and infill depth spatial variability. 2022. Proc IMechE Part P: J Sports
10. Carroll, D. E., C. A. Stephens, C. T. Stripling, J. C. **Sorochan**, and J. T. Brosnan. 2021. [Women in turf: a qualitative study examining how women have sustained their leadership role in the turfgrass industry](#). *Journal of Agricultural Education*.
11. Kent, Richard, Jared Yoder, Cody M. O’Cain, E. Meade Spratley, Kristy B. Arbogast, John **Sorochan**, Andrew McNitt, Tom Serensits. Force-limiting and the mechanical response of natural turfgrass used in the National Football League: A step toward the elimination of differential lower limb injury risk on synthetic turf. 2021. *Journal of Biomechanics* 127 (2021) 110670.
12. Dickson\*, K.H., C.A. Segars, J. **Sorochan**, J. Quetone Moss, D. Harris and W. Strunk. 2021. Comparison of mechanical removal of ryegrass overseeding out of common bermudagrass to chemical transitions. *Int. Turf. Soc. Res. J.* 1-6.

doi.org/10.1002/its2.13

13. Thoms, A.W., R. Bearss, J.N. Rogers, J.C. Sorochan. 2021. An evaluation of mat hybrid turfgrass systems under simulated traffic. *Int. Turf. Soc. Res. J.* DOI: 10.1002/its2.58
14. Dickson\*, K.H., J. **Sorochan**, and W. Strunk. 2021. The impact of stitched systems in bermudagrass athletic fields. *Int. Turf. Soc. Res. J.* 1-6. doi.org/10.1002/its2.54
15. Strunk\*, W. D., Dickson, K.H., J. **Sorochan**, and A.W. Thoms. 2021. Traffic tolerance and athletic field performance metrics vary based upon mowing height and cultivar of bermudagrass. *Int. Turf. Soc. Res.* 1– 4. doi.org/10.1002/its2.74
16. Engineering and Technology 1–8. <https://doi.org/10.1177/17543371211002947>
17. Dickson\*, K., J. **Sorochan**, and W. Strunk. 2020. Impact of Alternative Infills on Athlete Performance and Safety. *Proceedings 2020*, 49, 35; doi:10.3390/proceedings2020049035
18. H. Qu, S. Zhang, J. C. **Sorochan**, J. Weinhandl, A. Thoms, and K. Dickson. 2020. Effects of synthetic turf and shock pads on impact attenuation related biomechanics during drop landing. *Sports Biomechanics*, DOI: 10.1080/14763141.2019.1690570.
19. Dickson\*, K., J. **Sorochan**, and W. Strunk. 2020. Impact of Brushing and Infill Maintenance on Field safety of Third Generation Synthetic Turf. *Proceedings 2020*, 49(1), 34; <https://doi.org/10.3390/proceedings2020049034>
20. Singh, S., S. Yan, J. **Sorochan**, J. Stier, M. A. Mayes, J. Zhuang, and S. Jagadamma. 2019. Soil Carbon Accumulation and Nutrient Availability in Managed and Unmanaged Ecosystems of East Tennessee. *Soil Sci. Soc. Am. J.* 83:458-465. doi:10.2136/sssaj2018.09.0359.
21. Richardson, M.D., G. Mattina, M. Sarno, J.H. McCalla, D.E. Karcher, A.W. Thoms, K.H. Dickson, and J.C. **Sorochan**. 2019. Shade Effects on Overseeded Bermudagrass Athletic Fields: II. Rooting, botanical composition, and traction. *Crop Sci*, Vol. 59 No. 6 pp. 2856-2865.
22. Benelli, J.J., B. J. Horvath, A. R. Womac, B. H. Ownley, A. S. Windham, and J. C. **Sorochan**. 2019. Large patch (*Rhizoctonia solani* AG 2-2LP) severity on Japanese lawngrass (*Zoysia japonica*) influenced by fungicide and application target site. *Crop Protection*, 106:23-28.
23. Dickson\*, K. H., W. D. Strunk, J. C. **Sorochan**, T. A. Nikolai and A. Hathaway. 2018. Impact of Clip of the Reel on Creeping Bentgrass (*Agrostis stolonifera* L.) Putting Greens. *Crop, Forage and Turfgrass Management – First Look*. doi:10.2134/cftm2018.06.0049.
24. Strunk\*, W. , K. Dickson, and J. **Sorochan**. 2018. Mowing Pattern and Clip of Reel Have Limited Effects on Green Speed of Ultradwarf Bermudagrass Putting Greens. *Crop, Forage and Turfgrass Management – First Look*. doi: 10.2134/cftm2018.09.0066.
25. Dickson, K., J. **Sorochan**, G. Munshaw, and A. Thoms. Comparison of Cultivation Methods Impact on Playability of *Agrostis stolonifera* Greens. *Journal of Testing and Evaluation*, Vol. 46, No. 3, 2018. Pp. 1256-1260 DOI: 10.1520/JTE20160419
26. Dickson\*, K. H., J. C. **Sorochan**, J. T. Brosnan, J. C. Stier, and J. Lee. 2018. Impact of soil water content on hybrid bermudagrass athletic field performance. *Crop Sci*. May/June. 58(3): p. 1416-1425.
27. Dickson\*, K.H., W. Strunk, and J. C. **Sorochan**. 2018. Head impact criteria of natural grass athletic fields is affected by soil type and volumetric water content. *Sports Engineering. Proceedings 2018*, 2, 270.

28. Munshaw, G.W., K. H. Dickson, K. L. Cropper, and J. C. **Sorochan**. 2017. The Effect of Fraise Mowing on Overseed Establishment in *Cynodon dactylon* Turf. Int. Turfgrass Soc. Res. J. 13:380–382. doi: 10.2134/itsrj2016.10.0844.
29. Dickson\*, K.H., J.C. **Sorochan**, J.T. Brosnan, J.C. Stier, J.M. Zobel, and A.W. Thoms. 2017. Crumb Rubber Topdressing Effects on Hybrid Bermudagrass Traffic Tolerance and Recovery. Crop Sci. Crop Sci., 57:2837-2842.
30. Thoms\*, A.W., J.T. Brosnan, and J.C. **Sorochan**. 2016. Root zone construction affects hybrid bermudagrass responses to simulated traffic. Procedia Engineering. 147:824-829.
31. Yuriscic\*, C. A., J. C. **Sorochan**, T. A. Nikolai, and A. Hathaway. 2016. Effects of behind center distance on creeping bentgrass (*Agrostis stolonifera* L.) putting greens. *Crop, Forage and Turfgrass Management*. 2(1):p. 1-3.
32. Bennett, H. J., E. Brock, J. T. Brosnan, J. C. **Sorochan**, and S. Zhang. 2015. Effect of two football studs on knee and ankle kinetics of single-leg land-cut and 180° cut movements on infilled synthetic turf. J. Appl. Biomech., 31:309-317.
33. Thoms\*, A.W., J.T. Brosnan, J.C. **Sorochan**, and A.M. Saxton. 2015. Exploring relationships in surface hardness data collected with different instruments. J. of Testing and Evaluation.
34. Elmore, M. T., J. T. Brosnan, G. R. Armel, D. A. Kopsell, M. D. Best, T. C. Mueller, and J. C. **Sorochan**. 2015. Cytocrom P450 inhibitors reduce creeping bentgrass (*Agrostis stolonifera*) tolerance to topamezone. PLOS ONE. July 17. 10(7): p. e0130947 [1-10].
35. Brock, E., S. Zhang, C. Milner, J. T. Brosnan, and J. C. **Sorochan**. 2014. Effect of two football studies of single leg landing and cutting movements on infilled synthetic turf. J. Sports Biomechanics, 13:362-379.
36. Jones, P.A., J.T. Brosnan, G.K. Breeden, J.J. Vargas, B.J. Horvath, and J.C. **Sorochan**. 2014. Effect of preemergence herbicides on hybrid bermudagrass divot resistance and recovery. HortScience 49(11):1449–1453. 2014.
37. Meeks, M., A. Chandra, S. Metz, A.D. Genovesi, J. C. Read, R. White, G. Miller, E. Guertal, W. Philley and J. **Sorochan**. 2014. Registration of DALBG 1201 hybrid bluegrass. Journal of Plant Registrations (accepted with revisions)
38. Thoms\*, A. W., J. T. Brosnan, and J. C. **Sorochan**. 2014. Root Zone Construction Affects Hybrid Bermudagrass (*C. dactylon* x *C. transvaalensis*) Responses to Simulated Traffic. Crop Sci. In Press
39. Hunter J. B., E. Brock, J. T. Brosnan, J. C. **Sorochan**, S. Zhang. 2014. Knee and Ankle Kinetics of Single-leg Land-Cut and 180° Cut Movements in Two Football Studs on Infilled Synthetic Turf. Scandinavian Journal of Medicine & Science in Sports.
40. Brosnan, J. T., G. K. Breeden, A. W. Thoms, and J. C. **Sorochan**. 2014. Effects of preemergence herbicides on the establishment rate and tensile strength of hybrid bermudagrass sod. Weed Technology, 28:206-212.
41. Brosnan, J. T., G. K. Breeden, K. H. Dickson, A. W. Thoms, and J. C. **Sorochan**. 2014. Applications of Preemergence Herbicides in Spring Do Not Affect Bermudagrass Traffic Tolerance in Fall. Applied Turfgrass Science. In Press
42. Brosnan, J. T., K. H. Dickson, J. C. **Sorochan**, A. W. Thoms, and J. C. Stier. 2014. Large Crabgrass, white clover, and hybrid bermudagrass athletic field playing quality in response to simulated traffic. Crop Sci. In Press
43. Thoms\*, A. W., J. T. Brosnan, J. M. Zidek, and J. C. **Sorochan**. 2014. Models for predicting surface temperatures on synthetic turf playing surfaces. Int. Sports Eng.

Assoc. In Press

44. Brosnan, J. T., S. Calvache, G. K. Breeden, and J. C. Sorochoan. 2013. Rooting depth, soil type, and application rate effects on creeping bentgrass (*Agrostis stolonifera* L.) injury with methiozolin and amicarbazone. *Crop Science* 53:655-659.
45. Freeland, R. S., B. J. Allred, and J. C. **Sorochoan**. 2013. Profiling USGA Putting Greens Using GPR—An As-Built Surveying Method. *Journal of Environmental & Engineering Geophysics*.
46. Thoms\*, A. W., J. T. Brosnan, M. R. Paquette, S. Zhang, and J. C. **Sorochoan**. 2013. A new device for simulating athlete-to-surface interactions on natural and synthetic turf. *Testing and Evaluation*, 41 (3). doi: 10.1520/JTE20120103.
47. Kauffman\*, J.M., J.C. **Sorochoan**, D.A. Kopsell. 2013. Field sampling warm-season putting greens for thatch-mat depth and organic matter content. *HortTechnology* June. 23(3): p. 369-375.
48. Haselbauer\*, W. D., A. W. Thoms, J. C. **Sorochoan**, J. T. Brosnan, B. Schwartz, and W.W. Hanna. 2012. Evaluation of Experimental Bermudagrasses Under Simulated Athletic Field Traffic with Perennial Ryegrass Overseeding. *HortTechnology*, 22:94-98
49. Brosnan, J. T.; G. K. Breeden, A. W. Thoms, J. C. **Sorochoan**. 2011. Preemergence Herbicide Efficacy Under Athletic Field Traffic. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2011-1128-01-BR.
50. Thoms\*, A. W., J. C. **Sorochoan**, J. T. Brosnan, D. A. Kopsell. 2011. Perennial Ryegrass (*Lolium perenne* L.) and Grooming Affect Bermudagrass Traffic Tolerance. *Crop Sci.* September. 51(5):p. 2204-2211.
51. Kauffman\*, J. M., J. C. **Sorochoan**, and J. T. Brosnan. 2011. Brushing plus Vibratory Rolling Enhances Topdressing Incorporation on Ultradwarf Bermudagrass Putting Greens. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2011-0126-03-RS.
52. Lewis\*, D. F.; McElroy, J. S.; **Sorochoan**, J. C.; Mueller, T. C.; Samples, T. J.; Breeden, G. K. 2010. Efficacy and safening of aryloxyphenoxypropionate herbicides when tank-mixed with triclopyr for bermudagrass control in zoysiagrass turf. *Weed Technology*. October-December. 24(4): p. 489-494.
53. Brosnan, J. T., Horvath, B. J., Elmore, M. T., Breeden, G. K., and **Sorochoan**, J. C. 2010. Greenhouse investigation of strobilurin fungicide applications on creeping bentgrass root characteristics under two irrigation regimes. *Crop Sci.* November. 50(6): p. 2605-2612.
54. Brosnan, James T.; Thoms\*, Adam W.; Breeden, Gregory K.; **Sorochoan**, John C. 2010. Effects of various plant growth regulators on the traffic tolerance of 'Riviera' bermudagrass (*Cynodon dactylon* L.). *HortScience*. June. 45(6): p. 966-970.
55. Lefsrud\*, Mark G.; **Sorochoan**, John C.; Kopsell, Dean A.; McElroy, J. Scott. 2010. Pigment concentrations among heat-tolerant turfgrasses. *HortScience*. April. 45(4): p. 650-653.
56. Richards, Jacob S.; Karcher, Douglas E.; Nikolai, Thomas A.; Henderson, Jason J.; **Sorochoan**, John C. 2009. A comparison of two devices used to measure golf course putting green speed. *Applied Turfgrass Science*. July 24. p. [1-7].
57. Teuton\*, Travis C.; **Sorochoan**, John C.; Main, Christopher L.; Mueller, Thomas C. 2009. Establishment and Maintenance during Establishment of Hybrid Bluegrass (*P. arachnifera* Torr. X *P. pratensis* L.) in the Transition Zone. *Hort Sci.* June. 44(3): p. 815-819.
58. Cutulle, M.A., J.S. McElroy, R.W. Millwood, J.C. **Sorochoan**, and C.N. Stewart, Jr. 2009.

- Selection of bioassay Method Influences Detection of Annual Bluegrass Resistance to Mitotic-Inhibiting Herbicides. *Crop Sci.* May/June. 49(3): p. 1088-1095.
59. Kauffman\*, J.M., J.C. **Sorochan**, D.E. Karcher, M.D. Richardson, T.J. Samples, A. Thoms. 2009. Segway and Golf Car Wear on Dormant Bermudagrass Fairways. *Int. Turf Res. J. (Note)*.
  60. Thoms\*, A., J. **Sorochan**, J. Kauffman\*, T. Samples, J. Parham, W. Hanna, J. Brosnan. 2009. Evaluating the Cold Tolerance of Improved Seeded Centipedegrass Cultivars in the Transition Zone. *Int. Turf Res. J. (Note)*.
  61. Freeland, R. S., J. C. **Sorochan**, M. J. Goddard\*, and J. S. McElroy. 2008. Using ground-penetrating radar to evaluate soil compaction of athletic turfgrass fields. *Appl. Eng. Agric.* 24(4): 509-514.
  62. Teuton, T.C., C.L. Main, J.C. **Sorochan**, J.S. McElroy, W.E. Hart, C.E. Sams, and T.C. Mueller. 2008. Hybrid Kentucky bluegrass tolerance to preemergence and postemergence herbicides *Weed Technology*. April-June. 22(2):p. 240-244.
  63. Goddard\*, M.J., J.C. **Sorochan**, J.S. McElroy, D.E. Karcher, and J.W. Landreth. 2008. The Effects of Crumb Rubber Topdressing on Hybrid Kentucky Bluegrass and Bermudagrass Athletic Fields in the Transition Zone. *Crop Sci.* September/October. 48(5): p. 2003-2009.
  64. Bishop\*, P., J.C. **Sorochan**, B.H. Ownley, T.J. Samples, A.S. Windham, M.T. Windham, and R.N. Trigiano. 2008. Resistance of *Sclerotinia homoeocarpa* to thiophanate-methyl, iprodione, and propiconazole in Tennessee and northern Mississippi. *Crop Sci.* July/August. 48(4): p. 1615-1620.
  65. DeVries, R.E., R.N. Trigiano, J. **Sorochan**, A.S. Windham, M.T. Windham, T.A. Rinehart, and J.M. Vargas. 2008. Genetic analysis of fungicide resistant *Sclerotinia homoeocarpa* isolates from Tennessee and Northern Mississippi. *Plant Dis.* 92:83-90.
  66. McElroy, J.S., G. Breedon, and J.C. **Sorochan**. 2007. Hybrid Bluegrass Tolerance to Postemergence Applications of Mesotrione and Quinclorac. *Weed Tech. Weed Technology: Vol. 21, No. 3, pp. 807–811.*
  67. Teuton, T., J. **Sorochan**, C. Main, J. McElroy, and T. Mueller. 2007. Annual Bluegrass (*Poa annua*) Control in Creeping Bentgrass (*Agrostis stolonifera*) Putting Greens with Bispyribac-sodium. *Weed Tech. Weed Technology: Vol. 21, No. 2, pp. 426–430.*
  68. Teuton\*, T., J. **Sorochan**, C. Main, T. Samples, J. Parham, and T. Mueller. 2007. Hybrid Bluegrass, Kentucky Bluegrass, and Tall Fescue Response to Nitrogen Fertilization in the Transition Zone. *Hort Sci*42(2): 369-372.
  69. Vanini, J.T., J.J. Henderson, J.C. **Sorochan**, J.N. Rogers, III. 2007. Evaluating Turfgrass Wear by the Brinkman Traffic Simulator and Cady Traffic Simulator on a Kentucky bluegrass stand. *Crop Sci.* 47(2): p.782-784.
  70. Nikolai, T. A., Karcher, D. E., and **Sorochan**, J. C. 2006. Professional golfers conclude that spike design affects putting green quality. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2005-1127-01-BR.
  71. McElroy, J.S., D.A. Kopsell, J.C. **Sorochan**, and C. Sams, 2006. High and Low Irradiance Adaptability of Creeping Bentgrass Carotenoid Composition. *Crop Sci.* 2006 46: 2606-2612.
  72. **Sorochan\***, J.C., D.E. Karcher, J.M. Parham, and M.D. Richardson. 2006. Segway and Golf Car Wear on Bermudagrass Fairway Turf. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2006-0727-01-RS.
  73. **Sorochan**, J.C., J.N. Rogers, III., J.C. Stier, and D.E. Karcher. 2005. Determination of

Nitrogen Fertilization for *Poa supina* Schrad. Grown on a Native Soil Athletic Field. International Turfgrass Research Society Journal Volume 10: 436-440.

74. **Sorochan**, J.C., J.N. Rogers, III., J.C. Stier, and D.E. Karcher. 2005. Determination of Optimal Mowing Height for *Poa supina* Schrad. Under Traffic Conditions. International Turfgrass Research Society Journal Volume 10: 441-445.
75. Henderson, J. J., J. L. Lanovaz, J. N. Rogers, III, J. C. **Sorochan**, and J. T. Vanini. 2005. A New Apparatus to Simulate Athletic Field Traffic: The Cady Traffic Simulator. Agron. J 97: 1153-1157.
76. **Sorochan**, J.C., J.N. Rogers, III., J.C. Stier, and D.E. Karcher. 2001. Fertility and simulated traffic effects on Kentucky bluegrass/ *supina* bluegrass mixtures. International Turfgrass Research Society Journal Volume 9: 941-946.
77. **Sorochan**, J.C. and J.N. Rogers, III. 2001. The effect of mulch type for turfgrass establishment in a refined wood fiber mat on plastic. J. Envir. Hort., June 19(2) 61-64.
78. Leinauer, B. and J.C. **Sorochan**. 2000. Eignung der Lägerrispe (*Poa supina* Schrad.) für Strapazierrasen Rasen Turf Gazon. September 31(3) 36-40.
79. **Sorochan**, J.C. and J.N. Rogers, III. 2000. Indoor turf how close (far) are we? Rasen Turf Gazon. March 31(1):4-6.

#### **GRANTS: (since 2020)**

1. Principal Investigator. Sorochan, J.C., Co PI J.N. Rogers, III (MSU), and J.C. Stier. FIFA 2026 World Cup United Research Project. 2022-2024. Federation Internationale De Football Association (FIFA). Requested/Funded: \$3,126,213/Awarded. (100%)
2. Principal Investigator. Sorochan, J.C. & K.H. Dickson. SISGRASS fibre ply and fibre depth study. 2022-2023. SISGRASS. Requested/Funded: \$63,800/Awarded. (100%)
3. Principal Investigator. Sorochan, J.C. Bermudagrass Variety Trial with Traffic. 2019-2024. National Turfgrass Evaluation Program. \$13,000/Awarded. (100%)
4. Principal investigator. Sorochan, J.C. Zoysiagrass Variety Trial. 2019-2024. National Turfgrass Evaluation Program \$11,000/Awarded. (100%)
5. Principal Investigator Sorochan, J.C. & J.T. Brosnan. 2020-2025. Center for Athletic Field Safety. AstroTurf, LLC. Requested/Funded: \$750,000/Awarded. (100%)

#### **BOOKS:**

1. **Sorochan**, J. C.\* 2013. Turfgrass Identification – Cool Season Grasses. iTunes Books Store. <https://itunes.apple.com/us/book/turfgrass-identification-cool/id602880297?mt=11>.
2. Serensits, Thomas J.; McNitt, Andrew S.; **Sorochan**, John C. 2013. p. 179-218. In: Stier, John C.; Horgan, Brian P.; Bonos, Stacy A., eds. *Turfgrass: Biology, Use, and Management*. Madison, Wisconsin: American Society of Agronomy.
3. Samples, T.J., J.C. **Sorochan**, L.A. Brillman and J.C. Stier. 2010. Tall Fescue as Turf in the United States. *Tall Fescue for the Twenty-first Century*. ASA, CSSA, SSSA. Agron. Monogr. 53. ISBN: 978-0-89118-172-9. P 445 – 481.

#### **PATENTS:**

1. Meeks, M.; Chandra, A.; Metz, S. P.; Genovesi, A. D.; Read, J. C.; White, R. H.; Miller, G.; Guertal, E.; Phillely, H. W.; **Sorochan**, J. 2015. Registration of DALBG 1201 hybrid

bluegrass. *Journal of Plant Registrations*. May. 9(2): p. 138-143.

2. **Sorochan**, J.C., S.L. Freshour. 2012. University of Tennessee Institute of Agriculture Turfgrass Cool-season Turfgrass Germplasm Collection. Germplasm Breeding Stock Contract Agreement with Pure Seed Testing. Canby, OR.

#### **ABSTRACTS:**

1. Carr, T., J. C. Sorochan, J. T. Brosnan, and B. J. Horvath. 2021. Effect of planting date and phosphorus rate on Prizm zoysiagrass establishment from sprigs. ASA-CSSA-SSSA Annual Meeting. Salt Lake City, UT
2. Burbrink, C., and J. C. Sorochan. 2019. Impact of Surface Moisture on Soccer Ball Performance on Hybrid Bermudagrass Athletic Fields. *Crop Science*.
3. Dickson, K.H., and J. C. Sorochan. 2019. Stitched Hybrid Systems Impact on Kentucky Bluegrass Athletic Fields. *Crop Science*.
4. Singh, S., S. Yan, J. C. Sorochan, J. C. Stier, M. A. Mayes, J. Zhuang, and S. Jagadamma. 2019. Soil carbon accumulation and nutrient availability in managed and unmanaged ecosystems of east Tennessee. ASA-Southern Branch Annual Meeting, Feb 3-5, Birmingham, AL.
5. Singh, S., S. Yan, S. Jagadamma, J. C. Sorochan, J. C. Stier, and J. Zhuang. 2018. Comparative evaluation of turfgrass and row crop management on soil carbon dynamics and nutrient availability. American Society of Agronomy Southern Regional Branch Annual Meeting, February 4-6, Jacksonville, FL.
6. Richardson, Michael D.; Mattina, Girolamo; Sarno, Mauro; Karcher, Douglas E.; McCalla, John; **Sorochan**, John C.; Thoms, Adam. 2016. Shade effects on overseeded bermudagrass athletic fields. *ASA, CSSA and SSSA International Annual Meetings*. p. 101390.
7. Dickson, Kyle H.; **Sorochan**, John C.; Munshaw, Gregg C. Comparison of mechanical cultivation methods to improve *Lolium perenne* overseeding performance. 2016. *ASA, CSSA and SSSA International Annual Meetings*. p. 102239.
8. Dickson, Kyle H.; **Sorochan**, John C.; Munshaw, Gregg C.; Stier, John; Brosnan, James T. 2015. Comparison of cultivation technologies for use on creeping bentgrass putting greens. *ASA, CSSA and SSSA International Annual Meetings*. p. 93740.
9. Dickson, Kyle H.; **Sorochan**, John C.; Stier, John C.; Brosnan, James T.; Lee, Jaehoon. 2015. Soil Moisture Effects on Wear Tolerance of Native Soil Bermudagrass Athletic Fields.. *ASA, CSSA and SSSA International Annual Meetings*. p. 93843.
10. Thoms, Adam; **Sorochan**, John C. 2015. Evaluation of a hybrid (natural and synthetic turf mixture) system for athletic field use. *ASA, CSSA and SSSA International Annual Meetings*. p. 95104.
11. Yurisc, Cory; **Sorochan**, John C.; Nikolai, Thomas A. 2015. Effects of behind center distance on creeping bentgrass (*Agrostis stolonifera* L.) putting greens. *ASA, CSSA and SSSA International Annual Meetings*. p. 95118.
12. Dickson, Kyle H.; **Sorochan**, John C.; Stier, John; Brosnan, James T.; Thoms, Adam. 2014. Changes in soil physical properties utilizing an air injection system on two bermudagrass athletic fields. *ASA, CSSA and SSSA Annual Meetings [2014]*. p. 86139.
13. Reasor, Eric; Brosnan, James T.; Schwartz, Brian M.; Trigiano, Robert; Henry, Gerald M.; **Sorochan**, John C. 2014. Off-type grasses of ultradwarf bermudagrass putting greens: A new weed management issue?. *ASA, CSSA and SSSA Annual Meetings [2014]*. p. 86976.

14. Thoms, Adam; **Sorochan**, John C.; Brosnan, James T.; Stier, John Clinton; Samples, Thomas J. 2014. New bermudagrass cultivar performance under simulated athletic traffic. *ASA, CSSA and SSSA Annual Meetings [2014]*. p. 87110.
15. Freeland, R. S., B. J. Allred, and **J. C. Sorochan**. 2013. Profiling USGA Putting Greens Using GPR—An As-Built Surveying Method. SAGEEP 2013, Denver, Colorado USA , March 17-21, 2013. **(invited)**
16. Brosnan, J. T., G. K. Breeden, S. Calvache, G. M. Henry, T. Cooper, T. J. Serensits, and **J. C. Sorochan**. 2013. Soil type and rooting depth effects on amicarbazone and methiozolin applications for weed control in creeping bentgrass. *Proc. Southern Weed Sci. Soc.*, 66:236.
17. Dickson, K.H.\*, **J. C. Sorochan**, J. T. Brosnan, and J. C. Stier. 2013. Crumb rubber particle size and topdressing depth to improve bermudagrass athletic field performance. *ASA-CSSA-SSSA Annual Meeting Abstracts*, [CD-ROM].
18. Thoms, A. W., **J. C. Sorochan**, J. T. Brosnan, and T. J. Samples. 2013. Performance and safety characteristics of Kentucky bluegrass and bermudagrass athletic fields established on sand- and soil-based rootzones. *ASA-CSSA-SSSA Annual Meeting Abstracts*, [CD-ROM].
19. A.W. Thoms, J. T. Brosnan, and **J. C. Sorochan**. 2012. A new apparatus to simulate athlete-to-surface interactions on natural and synthetic turf. *Agronomy Abstracts 2012. Annual Meeting*. CD-ROM.
20. Brosnan, J. T., G. K. Breeden, S. Calvache, and **J. C. Sorochan**. 2012. Soil type and rooting depth effects on creeping bentgrass tolerance to amicarbazone and methiozolin. *Proc. North Central Weed Sci. Soc.*, 67:90.
21. Freshour, L.\*, **J. C. Sorochan**, and J. T. Brosnan. 2012. Fitness of *Poa nemoralis* and *P. supina* for use as winter overseeding species in bermudagrass in the transition zone on putting greens, fairways, and sports fields. *Agronomy Abstracts*. 2012. CD-ROM.
22. K. Dickson, **J. C. Sorochan**, and J. T. Brosnan. 2012. Evaluation of turf covers with and without late season crumb rubber topdressing for extending bermudagrass athletic field growing conditions. *Agronomy Abstracts*. 2012. CD-ROM.
23. Thoms, A.W., J. T. Brosnan, **J. C. Sorochan**, and J.M. Zidek. 2012. Developing a model to predict synthetic turfgrass surface temperature using atmospheric conditions. *Proc. 3rd European Turfgrass Society Conference*. Kristianssand, Norway. (technical poster).
24. Freeland, R. S., B. Allred, and **J. C. Sorochan**. 2012. Profiling USGA putting greens using GPR. *Symposium on Application of Geophysics to Engineering and Environmental Problems Proceedings*. **(invited)**
25. Elmore, M.T., J.T. Brosnan, G.K. Breeden, D.F. Lewis, and J.C. **Sorochan**. 2009. Using growing degree days to maximize the efficacy of applications of fluzifop and mesotrione for control of dallisgrass (*Paspalum dilatatum*.) in tall fescue. *Agronomy Abstracts 2009. Annual Meeting*. CD-ROM.
26. Freshour, S.L., J.M. Kauffman, J.C. **Sorochan**, and J.T. Brosnan. 2009. Canopy cultural practices to reduce accumulation of thatch in ultradwarf bermudagrass putting greens. *Agronomy Abstracts 2009. Annual Meeting*. CDROM.
27. Hasselbauer, W.M., J.C. **Sorochan**, J.T. Brosnan, and T.J. Samples. 2009. Effects of trinexapac-ethyl on the traffic tolerance of four bermudagrass cultivars. *Agronomy Abstracts 2009. Annual Meeting*. CD-ROM.

28. Hasselbauer, W.M., J.C. **Sorochan**, J.T. Brosnan, and T.J. Samples. 2009. Comparing the environmental and economic impacts of propane and gasoline fueled mowers. Agronomy Abstracts 2009. Annual Meeting. CD-ROM.
29. Kauffman, J.M., J.C. **Sorochan**, and J.T. Brosnan. 2009. Vibratory rolling enhances topdressing incorporation on ultradwarf bermudagrass putting greens. Agronomy Abstracts 2009. Annual Meeting. CD-ROM.
30. Kauffman, J.M., J.C. **Sorochan**, and J.T. Brosnan. 2009. Using paint and covers to enhance spring green-up and winter survival of warm-season putting green species. Agronomy Abstracts 2009. Annual Meeting. CD-ROM.
31. Kauffman, J.M., J.C. **Sorochan**, and J.T. Brosnan, D.A. Kopsell. 2009. Freeze tolerance differences and impact of late season nitrogen on PGRs on warm season putting green species. Annual Meeting. CD-ROM.
32. Thoms, A.W., J.C. **Sorochan**, J.T. Brosnan, G.K. Breeden, and T.J. Samples. 2009. Effects of grooming and trinexapac-ethyl applications on *Zoysiagrass* fairways in the transition zone. Agronomy Abstracts 2009. Annual Meeting. CD-ROM.
33. Thoms, A.W., J.C. **Sorochan**, J.T. Brosnan, T.J. Samples, and B.J. Horvath. 2009. Mowing and overseeding practices affect the traffic tolerance of 'Tifway' hybrid bermudagrass athletic fields in the transition zone. Agronomy Abstracts 2009. Annual Meeting. CD-ROM.
34. Thoms, A., **J. Sorochan**, J. Kauffman, T. Samples, J. Parham, W. Hanna, and J. Brosnan. 2008. Evaluation the Cold Tolerance of Improved Seeded Centipedegrass Cultivars in the Transition Zone. *In* ASA-CSSA-SSSA 2008 International Meeting Abstracts. Madison, WI.
35. Lewis, D. F.; J.S. McElroy; **J.C. Sorochan**; G.K. Breeden. 2008. Various timings and rates of fluazifop tank-mixed with triclopyr for bermudagrass control in zoysiagrass turf. *Proc. Joint Annual Meeting-GSA/ SSSA/ ASA/ CSA/ GCAGS/ GCSSEPM*. No. 647-3.
36. Kauffman, J.M., **J.C. Sorochan**, T.A. Nikolai, A.D. Hathaway, D.E. Karcher. 2008. A method for simulating golf traffic on research putting greens. *In* ASA-CSSA-SSSA 2008 International Meeting Abstracts. Madison, WI.
37. Thoms, A., **J. Sorochan**, T. Samples, D. Kopsell, and J. McElroy. 2008. Wear Tolerance of Bermudagrass Varieties with Mowing Events and Overseeding for Athletic Fields in the Transition Zone. *In* ASA-CSSA-SSSA 2008 International Meeting Abstracts. Madison, WI.
38. Haselbauer, W., A. Thoms, **J. Sorochan**, T. Samples, and W. Hanna. 2008. Evaluation of Mowing Practices and Perennial Ryegrass Overseeding for Existing and Potential Bermudagrass Varieties for Athletic Fields. *In* ASA-CSSA-SSSA 2008 International Meeting Abstracts. Madison, WI.
39. Lewis, D. F.; J.S. McElroy; **J.C. Sorochan**; G.K. Breeden. 2008. Weed control strategies for improved establishment of seeded 'zenith' zoysiagrass. *Proc. Joint Annual Meeting-GSA/ SSSA/ ASA/ CSA/ GCAGS/ GCSSEPM*. No. 650-22.
40. Lewis, D. F.; J.S. McElroy; **J.C. Sorochan**; G.K. Breeden. 2008. Response of zoysiagrass to varied rates and timings of fluazifop and triclopyr. *Proc. Southern Weed Sci. Soc.* 61: 15.
41. Lewis, D. F.; J.S. McElroy; **J.C. Sorochan**; G.K. Breeden. 2008. Safening of aryloxyphenoxypropionate herbicides by triclopyr on zoysiagrass. *Proc. Southern Weed Sci.* 61: 209.

42. Lewis, D. F.; J.S. McElroy; **J.C. Sorochan**; G.K. Breeden. 2007. Safening of aryloxyphenoxy propionate herbicides by triclopyr on zoysiagrass. Proc. 2007 *International Annual Meetings*[ASA/CSSA/SSSA] No. 171-7.
43. Thoms, A., **J. Sorochan**, J. McElroy, and T. Samples. 2007. Improved Seeded Centipedegrass Varieties for the Transition Zone. American Society of Agronomy Abstracts, Madison, WI.
44. Borst, S., J.S. McElroy, **J.C. Sorochan**, and G.K. Breeden. 2007. Response of Three Moss Species Common in Creeping Bentgrass Putting Greens to Carfentrazone and Mancozeb plus Copper Hydroxide. American Society of Agronomy Abstracts, Madison, WI.
45. Borst, S., J.S. McElroy, S.T. Wilhelm, and **J.C. Sorochan**. 2007. In Vitro Response of Cyanobacteria Common in Creeping Bentgrass Putting Greens to Micronutrients. American Society of Agronomy Abstracts, Madison, WI.
46. Earlywine, D., T. Teuton, **J.C. Sorochan**, B. Fresenburg, R. Smeda, and L. Sweets. 2007. Evaluation of yellow Mustard Seed Meal for Weed Control. American Society of Agronomy Abstracts, Madison, WI.
47. McCurdy, J., J. McElroy, D. Kopsell, C. Sams, and **J. Sorochan**. 2007. The Effect of Mesotrione on Perennial Ryegrass Carotenoid Concentrations Under varying Environmental Conditions. American Society of Agronomy Abstracts, Madison, WI.
48. Cutulle, M. J.S. McElroy, **J.C. Sorochan**, and C.N. Stewart. 2007. Comparison of Four Bioassay Methods for Evaluation of Potential Mitotic-Inhibiting Herbicide Resistant *Poa annua*. American Society of Agronomy Abstracts, Madison, WI.
49. J. Tocco, R., **J. Sorochan**, C. Sams, and J. McElroy. 2007. Effects of Elevated CO<sub>2</sub> on creeping Bentgrass (*Agrostis stolonifera*) during Ante Meridiem Photoperiod for Summer Heat Stress Tolerance. American Society of Agronomy Abstracts, Madison, WI.
50. **Sorochan, J.C.** 2007. Assessing Wear and Mechanical Stress on Turfgrass Systems. American Society for Horticultural Science. "Invited".
51. McElroy, J.S, D.A. Kopsell, **J.C. Sorochan**, and C. Sams. 2006. Evaluation of Bentgrass Carotenoid Composition Under High and Low Irradiance. American Society of Agronomy Abstracts. Madison, WI.
52. Goddard, M., **J. Sorochan**, S. McElroy, T. Samples, and D. Karcher. 2006. Effects of Crumb Rubber Topdressing on Kentucky Bluegrass and Bermudagrass Athletic Fields in the Transition Zone. American Society of Agronomy Abstracts. Madison, WI.
53. Strunk, W.D., **J.C. Sorochan**, C. Hall, J.S. McElroy. 2006. The Economics of Managing Creeping Bentgrass Putting Greens in the Transition Zone. American Society of Agronomy Abstracts. Madison, WI.
54. Samples, T.J., **J.C. Sorochan**, and J.S. McElroy. 2006. Extension Specialist Consulting: Tales from the Trenches, II. American Society of Agronomy Abstracts. Madison, WI.
55. **Sorochan, J.C.**, D.E. Karcher, J.M. Parham, and M.D. Richardson. 2006. Segway and Golf Car Wear on Bermudagrass Fairway Turf. American Society of Agronomy Abstracts. Madison, WI.
56. Teuton, T., **J. Sorochan**, C. Main, J. McElroy, and T. Mueller. 2006. Control of Annual Bluegrass on Putting Greens with Frequent Applications of Bispyribac-sodium. American Society of Agronomy Abstracts. Madison, WI.

57. McElroy, J.S., D.A. Kopsell, and **J.C. Sorochan**. 2006. Changes in Bermudagrass Carotenoid Composition Following Mesotrione Application. American Society of Agronomy Abstracts. Madison, WI.
58. Samples, T., **J. Sorochan**, and J. McElroy. 2005. Litigation, An Extension Turfgrass Specialist's Perspective. American Society of Agronomy Abstracts. Madison, WI.
59. Teuton, T., **J. Sorochan**, J. McElroy, C. Main, and T. Mueller. 2005. Are Heat Tolerant Bluegrasses Better Suited for the Transition Zone? American Society of Agronomy Abstracts. Madison, WI.
60. Goddard, M., **J. Sorochan**, C. Sams, A. Windham, and P. Baird. 2005. Effectiveness of Mustard Seed Meal as a Bio-Control of Dollar Spot (*Sclerotinia homoeocarpa*) in Creeping Bentgrass (*Agrostis stolonifera* L.). American Society of Agronomy Abstracts. Madison, WI.
61. Teuton, T., C. Main, J. McElroy, **J. Sorochan**, and T. Mueller. 2005. Heat Tolerant Bluegrass Response to Preemergence and Post emergence Applied Herbicides. American Society of Agronomy Abstracts. Madison, WI.
62. Strunk, W., **J. Sorochan**, T. Samples, T. Nikolai, and J. McElroy. 2005. Best management practices for creeping bentgrass putting greens in the transition zone. American Society of Agronomy Abstracts. Madison, WI.
63. Seger, P., J. Windingstad, M. Essington, J. Lee, **J. Sorochan**, D. Yoder, and N. Eash. 2005. Influence of Charcoal and Humic Material Amendments on Growth Characteristics of Bermudagrass Seeded in a Compacted Soil Medium. American Society of Agronomy Abstracts. Madison, WI.
64. Baird, P. B., A. Windham, **J. Sorochan**, R. Trigiano, M. Windham, and T. Samples. 2004. Determining Dollar Spot Fungicide Resistance in Tennessee and Northern Mississippi. American Society of Agronomy Abstracts. Madison, WI.
65. McElroy, J. S., P. D. Hahn, G. K. Breeden, and **J. C. Sorochan**. 2004. Weed Control Options for Seeded Hybrid Bluegrass (*Poa pratensis* x *P. arachnifera*) Establishment. American Society of Agronomy Abstracts. Madison, WI.
66. McPherson, J.P., E.H. Ervin, X. Zhang, J.M. Goatley, Jr., and **J.C. Sorochan**. 2004. Effects of Rootzone Heating on TifSport Bermudagrass. American Society of Agronomy Abstracts. Madison, WI.
67. Teuton, T. C., **J. C. Sorochan**, C. L. Main, B. N. Campbell, and T. C. Mueller. 2004. Annual bluegrass control with Bispyribac-sodium on bentgrass putting greens. Proc. South. Weed Sci. Soc.
68. Teuton, T. C., **J. C. Sorochan**, C. L. Main, B. N. Campbell, and T. C. Mueller. 2004. Selective control of overseeded perennial ryegrass in bermudagrass with ALS herbicides. Proc. South. Weed Sci. Soc.
69. **Sorochan, J. C.**, T. J. Samples, and J. N. Rogers, III. 2003. Creative Funding Sources for Turf Research, Teaching, and Extension. American Society of Agronomy Abstracts. Madison, WI.
70. Vanini, J. T., J. J. Henderson, **J. C. Sorochan**, and J. N. Rogers, III. 2003. A Comparison between the Brinkman Traffic Simulator and the Cady Traffic Simulator. American Society of Agronomy Abstracts. Madison, WI.
71. Henderson, J., **J. Sorochan**, J. Lanovaz, J. Rogers, 3<sup>rd</sup>, J. Vanini. 2002. An Introduction to the Cady Traffic Simulator. American Society of Agronomy Abstracts. Madison, WI.

72. Gaussoin, R., D. Minner, **J. Sorochan**, J. Stier, J. Rogers, R. Shearman, K. Morris, I. Chivers, 2002. A method for determining lateral shear strength in turf. American Society of Agronomy Abstracts. Madison, WI.
73. **Sorochan, J.C.**, J.N. Rogers, III, and J.A. Flore. 2001. Exogenous carbohydrate sources for turfgrass under reduced light conditions. American Society of Agronomy Abstracts. Madison, WI.
74. Lundberg, L.M., J.N. Rogers, III, J.R. Crum, and **J.C. Sorochan**. Quantification of maintenance practices for athletic fields. 2001. American Society of Agronomy Abstracts. Madison, WI.
75. **Sorochan, J.C.**, R.N. Calhoun, and J.N. Rogers, III. 1999. Apparatus to measure turfgrass sod strength. American Society of Agronomy Abstracts. Madison, WI. p.137.
76. Henderson, J.J., **J.C. Sorochan**, J.R. Crum, J.N. Rogers, III. 1999. Effects of trinexapac-ethyl and wetting agent on establishment rate of Kentucky bluegrass in sand-based root zones. American Society of Agronomy Abstracts. Madison, WI. p.136.
77. **Sorochan, J.C.**, J.N. Rogers, III., and J.C. Stier. 1998. Seed mixtures of supina bluegrass and Kentucky bluegrass for athletic fields. American Society of Agronomy Abstracts. Madison, WI. p.125.
78. Stier, J.C., **J.C. Sorochan**, and J.N. Rogers, III. 1997. The effect of mowing height and traffic on supina bluegrass. American Society of Agronomy Abstracts. Madison, WI. p.129.
79. **Sorochan, J.C.** and J.N. Rogers, III. 1996. The effect of mulch type for turfgrass establishment on plastic utilizing Ecomat. American Society of Agronomy Abstracts. Madison, WI. p.147.

#### **WEB BASED EXTENSION PUBLICATIONS:**

1. Samples, T. and **J. Sorochan**. 2007. Bermudagrass, Sept. (W159-A)
2. Samples, T. and **J. Sorochan**. 2007. Bluegrasses, Sept. (W159-B)
3. Samples, T. and **J. Sorochan**. 2007. Centipedegrass, Sept. (W159-C)
4. Samples, T. and **J. Sorochan**. 2007. Creeping Bentgrass, Sept. (W159-D)
5. Samples, T. and **J. Sorochan**. 2007. Fescues, Sept. (W159-E)
6. Samples, T. and **J. Sorochan**. 2007. Ryegrasses, Sept. (W159-F)
7. Samples, T. and **J. Sorochan**. 2007. St. Augustinegrass, Sept. (W159-G)
8. Samples, T. and **J. Sorochan**. 2007. *Zoysia*, Sept. (W159-H)
9. Samples, T. and **J. Sorochan**. 2007. Preparing to Plant. Oct. (W160-A)
10. Samples, T. and **J. Sorochan**. 2007. Seeding, Oct. (W160-B)
11. Samples, T. and **J. Sorochan**. 2007. Sodding and Plugging, Oct. (W160-C)
12. Samples, T. and **J. Sorochan**. 2007. Sprigging, Oct. (W160-D)
13. Samples, T. and **J. Sorochan**. 2007. Turfgrass Seed, Oct. (W160-E)
14. Samples, T. and **J. Sorochan**. 2007. When to Plant Turfgrasses, Oct. (W160-F)

#### **EXTENSION PUBLICATIONS:**

1. Samples, T. J., N. R. Bumgarner, and J. C. **Sorochan**. 2019. Chapter 1. Identify. Turfgrass Management in Tennessee Notebook, 136 pp.
2. Samples, T. J., N. R. Bumgarner, and J. C. **Sorochan**. 2019. Chapter 2. Select. Turfgrass Management in Tennessee Notebook, 49 pp.
3. Samples, T. J., N. R. Bumgarner, and J. C. **Sorochan**. 2019. Chapter 3. Plant. Turfgrass Management in Tennessee Notebook, 45 pp.

4. Reasor, E. H., K. H. Dickson, J. T. Brosnan, A. W. Thoms, and J. C. **Sorochan**. 2014. Testing Turf for Winterkill. , University of Tennessee Extension Publication D4.
5. Samples, T. J., J. C. **Sorochan**, J. T. Brosnan, B. J. Horvath, A. S. Windham, and F. A. Hale. 2012. Establishing tall fescue turfs in late spring and early summer in Tennessee, Turf Notes. UT Extension.
6. Samples, T. J., J. T. Brosnan, J. C. **Sorochan**, B. J. Horvath, A. S. Windham, and F. A. Hale. 2012. Drought and Heat Taking a Toll on Tennessee Turfs. Turf Notes. UT Extension.
7. Samples, T., J.C. **Sorochan**, J.S. McElroy, F.A. Hale, H J. Savoy Jr. and A.S. Windham. 2007. Bermudagrass Athletic Field Management Calendar. Extension PB 1632.
8. Hall, C. R., J. C. **Sorochan**, T. J. Samples, J. S. McElroy, and D. K. Robinson. Costs of Managing Bermudagrass Football Fields in Tennessee. UT Extension SP651.
9. Samples, T. J. and J. C. **Sorochan**. Selecting a Turfgrass Species and Variety. Extension PB.
10. Samples, T. J. and J. C. **Sorochan**. Master Gardener Turfgrass Management Handbook Chapter: Selecting a Turfgrass Species and Variety.
11. Samples, T. J. and J. C. **Sorochan**. Master Gardener Turfgrass Management Handbook Chapter: Turfgrass Establishment.
12. Samples, T. J., J. C. **Sorochan**, J. Scott McElroy, D. K. Robinson and H. J. Savoy. Maintaining Turfgrasses in Tennessee. Extension PB.
13. Samples, T. J., J. C. **Sorochan**, J. Scott McElroy, D. K. Robinson and H. J. Savoy. Master Gardener Turfgrass Management Handbook Chapter: Turfgrass Maintenance.
14. Samples, T., J. C. **Sorochan**, J. Scott McElroy, F. A. Hale, D. S. Robinson and A. S. Windham. Renovating Turf. Extension Pb. I
15. Samples, T., J. C. **Sorochan**, J. Scott McElroy, F. A. Hale, D. S. Robinson and A. S. Windham. Master Gardener Turfgrass Management Handbook Chapter: Renovating Turf.

#### **TURFGRASS MANAGEMENT PROGRAM DVD (set of two):**

1. Samples, T. And J. **Sorochan**. 2007. Selecting and planting turfgrasses. 80 slides, ~ 40 minutes. Production and narration: Pulte, A.
2. Samples, T., J. **Sorochan**, S. McElroy, F. Hale and A. Windham. 2007. Maintaining and renovating turfgrasses. 126 slides, ~ 63 minutes. Production and narration: Pulte, A.

#### **TRADE/ASSOCIATION JOURNALS AND CONFERENCE PROCEEDINGS:**

1. Dickson, K. H., and J. C. **Sorochan**. 2020. Does your field pass the test?: The basics of field testing. SportsTurf, February. 36(2): p. 36-38.
2. Samples, T. J., J. C. **Sorochan**, and A. S. Windham. 2020. Water: Functions, flow and forms. Tennessee Turfgrass., December/January. p. 26, 28, 30, 32, 34.
3. Dickson, K. H., and J. C. **Sorochan**. 2019. How crumb rubber particle size and depth impacts traffic tolerance of hybrid bermudagrass. Tennessee Turfgrass, February/March. p. 14-16, 18, 20.
4. Samples, T. J., and J. C. **Sorochan**. 2019. TURF TALK: Zoysiagrasses- An Update. Mississippi Turfgrass Magazine, Fall. Pp. 12-18.
5. Samples, T. J., and J. C. **Sorochan**. 2019. TURF TALK: Zoysiagrasses- An Update. North Carolina Turfgrass Magazine, Mar/Apr Pp. 16-18.

6. Samples, T. J., and J. C. **Sorochan**. 2019. TURF TALK: Zoysiagrasses- An Update. Virginia Turfgrass Journal, Mar/Apr. Pp. 14-19.
7. Samples, T. J., and J. C. **Sorochan**. 2019. The Bermudagrasses- An Update. Tennessee Turfgrass Magazine, Apr/May. Pp. 12-18, 20, 22, 23.
8. Samples, T. J., and J. C. **Sorochan**. 2019. The Fescues- An Update. Tennessee Turfgrass Magazine, June/July. Pp. 10-12, 14, 16, 18, 20-23.
9. Samples, T. J., and J. C. **Sorochan**. 2019. The Fescues- An Update. North Carolina Turfgrass Magazine, Sept/Oct. Pp. 12-14, 16, 18, 20-23.
10. Samples, T. J., and J. C. **Sorochan**. 2019. TURFGRASS MANAGEMENT- Water: Functions, Flow and Forms. Tennessee Turfgrass Magazine, Dec/Jan. Pp. 26, 28, 30, 32, 34.
11. Dickson, K. H., and J. C. **Sorochan**. 2018. How soil water content impacts hybrid bermudagrass athletic fields. *SportsTurf*, August. 34(8): p. 18-21.
12. Reasor, E.H., K. H. Dickson, J. T. Brosnan, A. W. Thoms, and J. C. **Sorochan**. 2018. Testing turf for winterkill. Tennessee Turfgrass, December/January. pp: 16-18.
13. Samples, T. J., and J. C. **Sorochan**. 2018. The Zoysiagrasses- An Update. Tennessee Turfgrass Magazine. Oct/Nov. Pp. 22-26.
14. Williams, T, and J. C. **Sorochan**. 2018. Performance testing on bermudagrass fields. *SportsTurf*, September. 34(9): p. 26-28. Dickson, Kiley; **Sorochan**, John. 2016. Air injection systems impact on compacted native soil athletic fields. *Sports Turf Manager* [STC]. Autumn. 29(3): p. 9-10.
15. **Sorochan**, John. 2016. Understanding, assessing, & managing sports turf shade issues. *SportsTurf*. May. 32(5): p. 8-10.
16. Samples, Tom; **Sorochan**, John. 2015. Better soils, better turf. *Tennessee Turfgrass*. December/January. p. 18-26.
17. Dickson, Kiley; **Sorochan**, John; Thoms, Adam. 2015. Incorporating air injection systems on compacted native soil bermudagrass. *SportsTurf*. June. 31(6): p. 18-19.
18. Samples, Tom; **Sorochan**, John; Brosnan, Jim; Horvath, Brandon; Windham, Alan. 2014. Moss in turfs?: Why? What to do? *Tennessee Turfgrass*. December/January. p. 22-24.
19. Samples, Tom; **Sorochan**, John; Brosnan, Jim; Savoy, Hugh; Windham, Alan. 2014. The importance of liming acidic soils. *Tennessee Turfgrass*. October/November. p. 24-26.
20. **Sorochan**, J., A. Thoms, and L. Sorochan. 2014. Just how *safe* are our athletic fields? *Tenn. Turfgrass*. p. 16-18.
21. Yuriscic\*, C., and J. **Sorochan**. 2014. The mechanics of mowing. *Tenn. Turfgrass*. p. 26-31.
22. Samples, T., J. **Sorochan**, and J. Parham. 2014. Native grasses for Tennessee landscapes. *Tenn. Turfgrass*. p. 32-36.
23. Brosnan, J. T., G. K. Breeden, J. C. **Sorochan**, and A. W. Thoms. 2014. Make use of preemergence herbicides this spring. *SportsTurf*. 30(2):p. 16, 18-19.
24. Brosnan, J. T., G. K. Breeden, **J. C. Sorochan**, and A.W. Thoms. 2013. Preemergence herbicide use on athletic fields. *SPORTSTURF*, January 2013. pp. 8-10.
25. Samples, T. J., J. C. **Sorochan**, A. Thoms, and B. Jakubowski. 2013. Nothing minor about micronutrients. , Sports Turf Magazine.
26. Samples, T. J., J. C. **Sorochan**, A. Thoms, and W. E. Hart. 2013. Identifying and managing petroleum leaks on turfs. , Sports Turf Magazine.
27. Samples, T. J., J. C. **Sorochan**, and A. Thoms. 2013. Managing calcium, magnesium and sulfur in turfs. , Tennessee Turfgrass Magazine.

28. Thoms, A.W., J. C. **Sorochan**, and J. T. Brosnan. 2013. New bermudagrasses for Tennessee athletic fields. *Tennessee Turfgrass*. February/March. pp. 18-22.
29. Samples, T. J., J. C. **Sorochan**, and J. T. Brosnan. 2011. Managing creeping bentgrass under severe heat stress. *Tennessee Turfgrass Magazine*. August/September 2011. pp. 22-24.
30. **Sorochan**, John. 2010. Sports turf fertility & the nitrogen factor. *Sports Turf Manager [STA]*. Winter. 23(4): p. 20-23.
31. Thoms, Adam; **Sorochan**, John; Brosnan, Jim. 2010. Overseeding athletic fields in Tennessee. *Tennessee Turfgrass*. October/November. p. 22-26.
32. Thoms, Adam; **Sorochan**, John; Brosnan, Jim. 2010. Overseeding for the transition zone. *SportsTurf*. September. 26(9): p. 28-30.
33. Kauffman, John M.; **Sorochan**, John C. 2010. Study tells if paint, polyethylene covers can enhance greenup. *TurfGrass TRENDS*. April. p. 57-59.
34. Kauffman, John; **Sorochan**, John; Karcher, Doug; Samples, Tom. 2009. Segway and golf car wear on dormant bermudagrass fairways. *Arkansas Turfgrass Report 2008*. p. 40-44.
35. **Sorochan**, John. 2009. Like politics, all overseeding is local III. *SportsTurf*. September. 25(9): p. 26, 29.
36. Lewis, Dustin F.; McElroy, J. Scott; **Sorochan**, John C.; Breeden, Greg K. 2009. Selective control options for bermudagrass contamination of zoysiagrass turf. *USGA Turfgrass and Environmental Research Online*. November 1. 8(21): p. [1-8].
37. Samples, Tom; **Sorochan**, John; Brosnan, Jim; Horvath, Brandon. 2009. The smell of freshly cut turf may help relieve stress. *Tennessee Turfgrass*. December/January. p. 20.
38. Samples, Tom; **Sorochan**, John; Brosnan, Jim; Horvath, Brandon. 2009. A lawn mowing poll. *Tennessee Turfgrass*. December/January. p. 20.
39. Samples, Tom; **Sorochan**, John; Brosnan, Jim; Horvath, Brandon. 2009. Tree leaves and dandelion control. *Tennessee Turfgrass*. December/January. p. 20.
40. Richards, Jay; Karcher, Doug; Summerford, Josh; Nikolai, Thom; Henderson, Jason; **Sorochan**, John. 2009. Comparing two devices used to measure green speed on dormant bermudagrass fairways. *Arkansas Turfgrass Report 2008*. p. 93-99.
41. Goddard, Matthew; **Sorochan**, John. 2008. Crumb Rubber. *SportsTurf*. July. 24(7): p. 10, 12.
42. Lewis, Dustin F.; McElroy, Scott; **Sorochan**, John C.; Breeden, Greg K. 2008. Selective control options for bermudagrass contamination in zoysiagrass turf. A preliminary report. *USGA Turfgrass and Environmental Research Online*. June 1. 7(11): p. 1-8.
43. Samples, T., J. **Sorochan** and B. Jakubowski. 2007. Making turfgrass fertilizers work and pay for you - Part 2. *Tennessee GreenTimes*, Winter.
44. Samples, T., J. **Sorochan** and B. Jakubowski. 2007. Making turfgrass fertilizers work and pay for you - Part 1. *Tennessee GreenTimes*, Fall, 22-25.
45. Samples, T., J. **Sorochan** and B. Jakubowski. 2007. Making turfgrass fertilizers work and pay for you - Part 3. *Tennessee Turfgrass*, Dec./Jan.
46. Samples, T., J. **Sorochan** and B. Jakubowski. 2007. Making turfgrass fertilizers work and pay for you - Part 2. *Tennessee Turfgrass*, Oct./Nov., 16-25.
47. Samples, T., J. **Sorochan** and B. Jakubowski. 2007. Value-based assessment of turfgrass fertilizers: making physical characteristics work and pay for you - Part 1. *Tennessee Turfgrass*, Aug./Sept., 18-23.

48. **Sorochan**, J.C., T. Samples and S. McElroy. 2007. Crumb rubber topdressing for athletic fields. *Tennessee Turfgrass*, Aug./Sept., 26-28.
49. Thoms, A., J. **Sorochan**, S. McElroy and T. Samples. 2007. Overseeding of bermudagrass athletic fields. *Tennessee Turfgrass*, Aug./Sept., 12-14.
50. Samples, T., J.S. McElroy and J.C. **Sorochan**. 2007. Centipedegrass for Tennessee Lawns. *Tennessee Turfgrass*, Apr./May, 33-34.
51. **Sorochan**, J., A. Thoms, T. Samples and D. Strunk. 2007. Fertilizing sports fields in Tennessee. *Tennessee Turfgrass*, Apr./May, 18-21, 23.
52. Samples, T., J.S. McElroy and J.C. **Sorochan**. 2007. Bermudagrasses for Tennessee. *Tennessee Turfgrass*, Feb./Mar., 24-28.
53. McElroy, Scott; **Sorochan**, John; Breeden, Greg. 2007. Season, zone dictate weed control in seeded tall fescue and bluegrass. *TurfGrass TRENDS*. January. p. 41-42, 44.
54. **Sorochan**, J. C., J. S. McElroy, and T. J. Samples. 2006. Extreme Makeover – Home – Lawn Style! *Tennessee Turfgrass*. December/January 2006-07.
55. **Sorochan**, J. C., J. S. McElroy, and T. J. Samples. 2006. Extreme Makeover – Home – Lawn Style! *Tennessee Greentimes*. October 7(3): 12-18.
56. McPherson, J. P., E. H. Ervin, X. Zhang, J. **Sorochan**, and M. Goatley. 2004. TifSport Bermudagrass Physiological Fitness under Rootzone Heating and wear. *Virginia Turfgrass Conference Research Journal*.
57. Samples, T. and J. C. **Sorochan**. 2004. Plant Tissue Analysis and Soil Test Results at a Glance. *Tennessee Turfgrass*, Newsletter of the Tennessee Turfgrass Association, Summer 2004.
58. Strunk, W. D., J. **Sorochan**, and T. Samples. 2004. Simple Athletic Field Fertility. *Sports Turf*. June 2004.
59. Samples, T. and J. C. **Sorochan**. 2004. Seven Steps to Healthier Bermudagrass. *Tennessee Turfgrass*, Newsletter of the Tennessee Turfgrass Association, Spring 2004.
60. Samples, T. And J. C. **Sorochan**. 2004. More Sports Turf Management Myths. *Tennessee Turfgrass*, Newsletter of the Tennessee Turfgrass Association, Winter 2004.
61. Samples T. and J. C. **Sorochan**. 2004. Seven Steps to Healthier Bermudagrass and *Zoysia* This Summer. *Tennessee Gardener Magazine*, June 2004.
62. Samples T. and J. C. **Sorochan**. 2004. Renovate Your Tall Fescue Lawn. *Tennessee Gardener Magazine*, September 2004.
63. Teuton, T., J. **Sorochan**, and C. Main. 2003. *Poa annua* Control with Velocity Herbicide. *Tennessee Turfgrass*, Newsletter of the Tennessee Turfgrass Association, October/November.
64. **Sorochan**, J. C. and T. A Nikolai. 2003. To Roll or Not to Roll. *Golf Course Management*. September 71(9): 102.
65. Samples, T., J. C. **Sorochan** and A. S. Windham. 2003. Rx for Heavily Trafficked Turf. *Tennessee Turfgrass*, Newsletter of the Tennessee Turfgrass Association, August/September.
66. **Sorochan**, J. C. 2003. *Tennessee Turfgrass*. University of Tennessee Turfgrass Research Update. August/September 26-27.
67. Samples, T. J. and J. C. **Sorochan**. 2003. *Tennessee Turfgrass*. A Message From the University of Tennessee Turfgrass Team. June/July 14-15.
68. **Sorochan**, J. C. and J. T. Vanini. 2003. Crumb rubber and varietal selection. *Sportsturf*. May 19(5):14-16.

69. Samples, T. and J. C. **Sorochan**. 2003. Turf News and Notes. Tennessee Turfgrass, Newsletter of the Tennessee Turfgrass Association, April/May.
70. Samples, T. and J. C. **Sorochan**. 2003. Facts vs. Myths. Sports Turf Manager, Newsletter of the Sports Turf Managers Association, January/February.
71. Samples, T. and J. C. **Sorochan**. 2003. Turfgrass Industry Equipment and Supplies Reference and Resource List. Lecture Handout.
72. Samples, T., J. C. **Sorochan** and A. S. Windham. 2003. Turf Rx For Public Gardens, Lecture Handout.
73. Gilstrap, D.M., J.C. **Sorochan**, R.N. Calhoun, J.N. Rogers, III. 2002. PEGS method for blending and mixing seed: A novel approach for the Spartan Stadium modular field. 72<sup>nd</sup>
74. **Sorochan**, J.C., J.A. Flore, J.N. Rogers, III. 2002. Enhancing turfgrass growth under reduced irradiance. 72<sup>nd</sup> Annual Michigan Turfgrass Conference Proceedings. 31:68-69.
75. **Sorochan**, J.C. and J.N. Rogers, III. 2000. Supina bluegrass: a new turf species for the north. Grounds Maintenance. April 35(4):C2-10.
76. **Sorochan** J.C. and J.N. Rogers, III. 2000. Utilizing the ITM system in USGA putting green construction. Newsnotes (Michigan Turfgrass Foundation). Spring p.17.
77. Henderson J.J, J.C. **Sorochan**, J.R. Crum, and J.N. Rogers, III. 2000. Turfgrass research for high trafficked areas: I. Effects of trinexapac-ethyl an wetting agent on establishment rate of *Poa pratensis* in a sand-based root zone. 70<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 29:1-6.
78. Lundberg, L.M., J.C. **Sorochan**, J.C. Crum, and J.N. Rogers, III. 2000. Turfgrass research for high trafficked areas: III. Amendments for a low budget athletic field. 70<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 29:9.
79. **Sorochan**, J.C. and J.N. Rogers, III. 2000. Turfgrass research for high trafficked areas: II. Managing *Poa supina* Schrad. (supina bluegrass) in Michigan. 70<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 29:6-9.
80. Rogers, J.N. and J.C. **Sorochan**. 1999. Turfgrass research for high trafficked areas. 69<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 28:22.
81. **Sorochan**, J.C. and J.N. Rogers, III. 1999. Managing *Poa supina* Schrad. (supina bluegrass) in Michigan 1996-98. 69<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 28:22-33.
82. **Sorochan**, J.C., J.N. Rogers, III., J.S. Nachreiner, and L.M. Lundberg. 1999. The effects of different soccer shoe soles on turfgrass. 69<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 28:34-37.
83. Henderson, J.J., J.C. **Sorochan**, J.R. Crum, and J.N. Rogers, III. 1999. Effects of trinexapac-ethyl and wetting agent on establishment rate of *Poa pratensis* on sand-based root zones. 69<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 28:153-155.
84. Rogers, J.N., III, J.C. **Sorochan**, and D.E. Karcher. 1999. Turfgrass experiments the indoor research facility, National University of La Plata, La Plata, Argentina 1997-98. 69<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 28:175-177.
85. Rogers, J.N., III, and J.C. **Sorochan**. 1998. Turfgrass research for high traffic areas. 68<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 27:9-21.
86. **Sorochan**, J.C. and J.N. Rogers, III. 1998. Managing *Poa supina* Schrad. (supina bluegrass) in Michigan. 68<sup>th</sup> Annual Michigan Turfgrass Conference Proceedings. 27:171-183.
87. **Sorochan**, J.C. and J.N. Rogers, III. 1997. Reestablish, renovate, rejuvenate. Grounds Maintenance. 32(2):14-16, 20, and 24.

88. **Sorochan**, J.C. and J.N. Rogers, III. 1997. Mulch type effects on turf management. 67<sup>th</sup> Annual Turfgrass Conference Proceedings. 26:140-143.
89. Stier, J.C., J.N. Rogers, III., J.C. **Sorochan**. 1997. Development of management practices for supina bluegrass (*Poa supina* Schrad.). 67<sup>th</sup> Annual Turfgrass Conference Proceedings. 26:12-19.
90. Rogers, J.N., III., J.C. Stier, and J.C. **Sorochan**. 1997. 1996 Sports turf management update. 67<sup>th</sup> Annual Turfgrass Conference Proceedings. 26:1-11.
91. **Sorochan**, J.C. and J.N. Rogers, III. 1996. Effect of mulch type for turf establishment. 66<sup>th</sup> Annual Turfgrass Conference Proceedings. 25:1-4.
92. **Sorochan**, J.C. and J.N. Rogers, III. 1996. Low maintenance (not no maintenance) – managing your field in the off season. 66<sup>th</sup> Annual Turfgrass Conference Proceedings. 25:219-222.

#### **INVITED INTERNATIONAL SEMINARS:**

1. Myth Busters: Sports Field Performance and Safety. Western Canada Turfgrass Conference, Richmond, British Columbia. (International, 2020)
2. Turfgrass Stress Physiology, Western Canada Turfgrass Conference, Richmond, British Columbia. (International, 2020)
3. Sports Turf Safety. 2016. Calgary, AB, Canada. Alberta Sports Turf Field Day. August 25.
4. Turfgrass Management Strategies. 2016. Calgary, AB, Canada. Alberta Sports Turf Field Day. August 25.
5. Root zone construction affects hybrid bermudagrass responses to simulated traffic. 2016. Delft, Holland. International Sports Engineering Conference. July 13.
6. Research and Science focusing on Athlete Performance and Safety, 2016. Amsterdam, Holland. SGL International Master Class. March 22.
7. Assessing and Managing Putting Greens - Workshop, 2015, Seville, Spain, Association Espana de Greenkeepers Annual Meeting. November 17.
8. Keynote Address, 30 July 2015, Minneapolis, MN, Toro's Sports Fields & Grounds Forum.
9. Ph.D. Panel Discussion, 2015, Calgary, AB, Canada, Canadian Golf Course Management Conference. February 5.
10. Putting Green Workshop, 2015, Calgary, AB, Canada, Canadian Golf Course Management Conference. February 6.
11. Understanding, Assessing and Managing Shade Stress Problems, 2015, Calgary, AB, Canada, Canadian Golf Course Management Conference. February 5.
12. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Pure Seed Testing Field Day. Canby, OR. June 19.
13. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Turfgrass Producers International - Winter Annual Conference. Orlando, FL. January 25.
14. Topdressing Ultra Dwarf Putting Greens. 2014. Asian Turfgrass Conference. Pattaya, Thailand. March 11.
15. Understanding, Assessing, and Managing Shade Stress. 2014. Asian Turfgrass Conference. Pattaya, Thailand. March 10.
16. Managing Ultra Dwarfs for Speed (half day workshop). 2014. Asian Turfgrass Conference. Pattaya, Thailand. March 10.

17. Effective Mower Configurations to Optimize Putting Green Playability. 2013. Alberta Golf Course Property Managers Association Conference. Canmore, AB, Canada. November 25.
18. Light Weight Rolling and Mowing Practices to Optimize Putting Green Performance. 2013. Alberta Golf Course Property Managers Association Conference. Canmore, AB, Canada. November 24.
19. Sports Turf Management: Research and Science to Improve Athlete Safety and Performance. 2013. Alberta Golf Course Property Managers Association Conference. Canmore, AB, Canada. November 24.
20. Understanding, Assessing, and Managing Shade Stress Problems. 2013. Alberta Golf Course Property Managers Association Conference. Canmore, AB, Canada. November 24.
21. Selecting and Maintaining a Healthy Lawn. 2013. International Environmental Pest Management Association Conference. Kewlona, BC, Canada. January 25.
22. Research & Science: To Optimize Athlete Safety and Performance on Athletic Fields. 2013. International Environmental Pest Management Association Conference. Kewlona, BC, Canada. January 24.
23. Mowing Height and the Point of Diminishing Returns. 2011. North German Greenkeepers Conference. Hamburg, Germany. November 30.
24. Managing Organic Matter in Sand-based Putting Greens. 2011. North German Greenkeepers Conference. Hamburg, Germany. November 30.
25. Wetting Agent Research for Dry Spot Management in Northern Europe. 2011. European Institute for Turfgrass Science. 1<sup>st</sup> Annual Research Field Day Hamburg, Germany. August 15.
26. Plant Growth Regulators (Primo MAXX) for Golf Course Tees, Fairways, and Greens in Northern Europe. 2011. European Institute for Turfgrass Science 1<sup>st</sup> Annual Research Field Day. Hamburg, Germany. August 15.
27. Iron Sulfate Fertilizer for Moss Control on Putting Green Turf in Northern Europe. 2011. European Institute for Turfgrass Science 1<sup>st</sup> Annual Research Field Day. Hamburg, Germany. August 15.
28. Rootzone Selection for Athletic Fields. 2010. Sports Turf Association Annual Meeting. Guelph, ON. Canada. September 23.
29. Optimizing Athletic Field Performance. 2010. Sports Turf Association Annual Meeting. Guelph, ON. Canada. September 23.
30. Primo and plant growth regulators – a quantum leap? 2009. North German Golf Course Superintendents Meeting. Oldenburg, Germany. November 25.
31. Mowing and Rolling Frequencies to Optimize Putting Green Quality. 2008. North German Greenkeepers Conference. Oldenburg, Germany. November 26.
32. Sports Turf Management to Mitigate Pest Problems. 2007. Western Canada Turfgrass Conference. Victoria, BC, Canada. February 27.
33. How to Manage Turfgrass Wear Issues. 2007. Western Canada Turfgrass Conference. Victoria, BC, Canada. February 27.
34. Alternative Mowing and Rolling Practices for Creeping Bentgrass Putting Greens. 2006. Alberta Property Managers Association Annual Meeting. Red Deer, AB, Canada. November 20.
35. Putting Green Management. 2006. Alberta Property Managers Association Annual Meeting. Red Deer, AB, Canada. November 19.

36. Turfgrass in Shade. 2006. Canadian Golf Superintendents Conference. Vancouver, BC. March 5.
37. Supina Bluegrass Management and Use for Sports Turf. 2006. Canadian Golf Superintendents Conference. Vancouver, BC. March 5.
38. Sports Turf Management and Budgeting. 2006. City of Richmond Turf Symposium. Richmond, BC. March 3.
39. Determination of Nitrogen Fertilization for *Poa supina* Schrad. Grown on a Native Soil Athletic Field. 2005. International Turfgrass Research Conference. Llandudno, Wales. July 11.
40. Determination of Optimal Mowing Height for *Poa supine* Schrad. under Traffic Conditions. 2005. International Turfgrass Research Conference. Llandudno, Wales. July 11.
41. Management von Rasenflächen in Schatten. 2004. Austrian Golf Course Superintendents Association. Bad Hall, Austria. May 27.
42. Management von Rasenflächen in Schatten. 2004. German Golf Course Superintendents Association. Constance, Germany. May 26.
43. Management von Rasenflächen in Schatten. 2004. German Golf Course Superintendents Association. Hamburg, Germany. May 24.
44. Indoor turf how close (far) are we? 1999. German Sports Turf Managers Association. October 1999. Arnheim, Holland.
45. Ten steps to turfgrass establishment. 1998. 1<sup>st</sup> University of La Plata Turfgrass Field Day. August, 1998. La Plata, Argentina.

#### **INVITED SEMINARS:**

1. Basic Field Safety. SFMA Conference. Salt Lake City, UT (National, 2023) Growing Sod Over Plastic for FIFA 2026 World Cup. East Lansing, MI. Turfgrass Producers International Summer Field Day (International, 2023)
2. My Neighbour the Turfie. Vancouver, BC, Canada. Western Canada Turfgrass Conference. (International, 2023)
3. Putting Green Management Under Stress Conditions. Porto de la Fuente, Spain. AEdG 2023 Conference. (International, 2023)
4. Research Project for 2026 FIFA World Cup Football Fields. Porto de la Fuente, Spain. AEdG 2023 Conference. (International, 2023)
5. Shade Management for Sports Fields, Golf Courses, & Lawns. TN Turfgrass Conference. Murfreesboro, TN (Statewide, 2023)
6. Student Career Preparation. SFMA Conference. Salt Lake City, UT (National, 2023)
7. Sustainable Strategies for Reduced Turf Input. Vancouver, BC, Canada. Western Canada Turfgrass Conference. (International, 2023)
8. Transitioning from 2022 FIFA World Cup to 2026. SFMA Conference. Salt Lake City, UT (National, 2023)
9. Zoysiagrass Putting Green Management. Orlando, FL. Golf Course Superintendents Conference. (National, 2023) Research Trial & Error: Selecting Warm Season Grasses for Stadiums.
10. Savannah, GA. Sports Turf Managers Association Conference. (National, 2022)
11. Labor of Love: Strategies for Overcoming the Labor Shortage. Savannah, GA. Sports Turf Managers Association Conference. (National, 2022)

12. Preparing for the 2026 FIFA World Cup. TN Turfgrass Conference, Nashville, TN. (Statewide, 2022)
13. So, you are interested in zoysiagrass greens. TN Turfgrass Conference, Nashville, TN. (Statewide, 2022)
14. Managing High Traffic Fields. Illinois Turfgrass Conference. Virtual (Other state, 2021)
15. Managing High Traffic Fields. Sports Turf Managers Association Annual Conference. Virtual. (National, 2021)
16. Next Level Field Testing. TN Turfgrass Conference, Nashville, TN. (Statewide, 2021)
17. TN Turf Tuesday - Zoysiagrass Putting Green Roundtable. Virtual (multi state, 2021)
18. TN Turf Tuesday Panelist (multi state, 2021)
19. Understanding & Assessing Turfgrass Shade Stress Problems. Asian Golf Industry Federation Meeting. Virtual. (International, 2021)Zoysiagrass Turf Talk. TN Turfgrass Conference, Nashville, TN. (Statewide, 2021)
20. Current Topics in Sports Management How can we manage with Less or no inputs, Maryland Turfgrass Conference, Baltimore, MD (virtual) (Other state, 2020)
21. Sustainable Strategies for Residential Lawns to Reduce Inputs, Maryland Turfgrass Conference, Baltimore, MD (Virtual, 2020)
22. Sports Turf Research - Focusing on Athlete Performance and Safety, Mid Atlantic Sports Turf Managers Meeting, Baltimore, MD (virtual, 2020)
23. Optimizing Ultra Dwarf Putting Green Management, Golf Industry Show Meeting, Orlando, FL. (National/International, 2020)
24. Does Your Athletic Field Pass the Test? West Palm Beach, FL. Sports Turf Managers Association Conference. (National, 2020)
25. Everyone is a Sports Turf Manager: What You Need to Know about Safety and Performance, Nashville, TN. TN Turfgrass Conference. (Statewide, 2020)
26. Sports Turf Talkshow, 2020. Sports Turf Managers Association Annual Conference, Phoenix, AZ.
27. Understanding, Assessing and Managing Shade Stress Problems, West Palm Beach, FL. Sports Turf Managers Association Conference. (National, 2020)
28. Meet the Expert, Sports Turf Managers Association Conference. Phoenix, AZ.
29. Hybrid Turf Research Update, 2020. Sports Turf Managers Association Conference. Phoenix, AZ.
30. University Sports Turf Research Update, 2020. Sports Turf Managers Association Annual Conference, Phoenix, AZ.
31. Ultra-Dwarf Zoysiagrass: The Future for Putting Greens in the Transition Zone (and South). 2020. Tennessee Turfgrass Association Conference, Murfreesboro, TN
32. Research and Science Focusing on Athlete Safety and Performance. McCurdy Field Day, Jackson, TN. (Multi-state, 2020)
33. Sports Turf Talkshow, Sports Turf Managers Association Annual Conference, Phoenix, AZ (National, 2019)
34. Ultra-Dwarf Zoysiagrass:  
The Future for Putting Greens in the Transition Zone (and South), Tennessee Turfgrass Association Conference, Murfreesboro, TN (Statewide, 2019)
35. Understanding Athlete to Surface Interactions for Sports Safety and Performance, University of Tennessee Turfgrass Research Field Day. Knoxville, TN. (Statewide, 2019)
36. Science to Improve Safety & Performance. 2019. Iowa Turfgrass Conference, Des Moines, IA

37. Effective Mower Configurations to Optimize Putting Green Playability, Iowa Turfgrass Conference, 2019. Des Moines, IA
38. Sports Turf Management: Research and Science to Improve Athlete Safety and Performance. 2019. Iowa Turfgrass Conference, Des Moines, IA.
39. Understanding, Assessing, & Managing Shade Stress Problems, Iowa Turfgrass Conference, Des Moines, IA (Other state, 2019)
40. University Sports Turf Research Update, Sports Turf Managers Association Annual Conference, Phoenix, AZ (National, 2019)
41. Why My Sod is Better: Communicating the Value of Natural Turf, Turfgrass Producers International Conference, Ft Worth, TX (National, 2019)
42. Zoysiagrass Putting Green Shark Tank Pitch, TN Turfgrass Conference, Nashville, TN. (Statewide, 2019)
43. Why My Sod is Better: Communicating the Value of Natural Turf, 2019. Turfgrass Producers International Conference, Ft Worth, TX.
44. Zoysiagrass Putting Green Shark Tank Pitch, 2019. TN Turfgrass Conference, Nashville, TN.
45. Understanding, Assessing and Managing Shade Stress Problems. 2018. Rocky Mountain Turfgrass Conference, Denver, CO.
46. Researching Evidence Based Testing Methods to Improve Athlete to Surface Interactions. 2018. Rocky Mountain Turfgrass Conference, Denver, CO.
47. Intro to Field Performance & Safety. 2018. Rocky Mountain Turfgrass Conference, Denver, CO.
48. Aint Nuthin Like the Reel Thing:  
Natural Turf vs. Synthetic Surfaces, Turfgrass Producers International, Ft Worth, TX (National, 2018)
49. Field Assessment Program Update, Brock International Seminar Series, Boulder, CO (National, 2018)
50. Understanding, Assessing and Managing Shade Stress Problems. Sports Turf Managers Association Annual Conference (National, 2018)
51. University of Tennessee Sports Turf Research Update. Sports Turf Managers Association Annual Conference (National, 2018)
52. A Visit with the Doctors - Your Annual Sports Turf Physical. Sports Turf Managers Association Conference. Orlando, FL (National, 2017)
53. Effects of Mower Configurations to Optimize Putting Green Playability, Tennessee Turfgrass Association Conference. Murfreesboro, TN. (Statewide, 2017)
54. How Turfgrass Breeding Benefits the Turfgrass Industry. Pure Seed Testing Research Field Day. Raleigh, NC. (National/International, 2017)
55. Mower Configurations to Optimize Ultra Dwarf Putting Green Performance. Memphis Area Golf Course Superintendents Meeting. Memphis, TN. (West Tennessee, 2017)
56. Trends & Technologies for Sports Turf. Major League Baseball Field Managers Meeting. Tampa, FL. (National, 2017)
57. Turf Solutions II: Frazee Mowing - What is it, and could I use it on my course? Golf Industry Show. Orlando, FL. (National/International, 2017)
58. Understanding Frequency of Clip and Single vs. Double Cut Mowing. University of Tennessee Turfgrass Research Field Day. Knoxville, TN. (Statewide, 2017)
59. Understanding, Assessing, and Managing Shade Stress Problems. Golf Industry Show. Orlando, FL. (National/International, 2017)

60. New Trends and Technologies for Sport Field Managers. 2016. Columbus, OH. Ohio Turfgrass Foundation Conference. December 7.
61. Artificial and Natural Turf Myths and Realities. 2016. Columbus, OH. Ohio Turfgrass Foundation Conference. December 6.
62. Effective Mower Configuration to Optimize Putting Green Playability. 2016. Columbus, OH. Ohio Turfgrass Foundation Conference. December 6.
63. Research and Science focusing on Athlete Performance and Safety, 2016, Boston, MA. Brock International Sports Safety Summit. October 27.
64. Managing Creeping Bentgrass Under Summer Heat Stress. 2016. Golf Course Superintendents Association Webcast. May 9.
65. Understanding, Assessing, and Managing Shade Stress. 2016. Everglades Golf Course Superintendents Meeting. Naples, FL. April 21.
66. TPI – Family Feud. 2016. Turf Producers International Winter Meeting. Houston, TX. February 23.
67. Research and Science focusing on Athlete Performance and Safety, 2016, Dallas, TX. Brock International Sports Safety Summit. February 22.
68. The Doctor Is In. 2016. Golf Industry Show. San Diego, CA. February 11.
69. Understanding, Assessing, and Managing Shade Stress (half day workshop). 2016. Golf Industry Show. San Diego, CA. February 9.
70. Working with Equipment Managers to Optimize Mower Configuration. 2016. Golf Industry Show. February 8.
71. Understanding, Assessing, and Managing Shade Stress Problems. 2016. Major League Baseball Field Managers Meeting. Los Angeles. January 25.
72. College and Professional Football Field Maintenance Panel, 2016, San Diego, Sports Turf Managers Association Annual Conference. January 22.
73. Evaluating Hybrid Turf Systems, 2016, San Diego, Sports Turf Managers Association Annual Conference. January 21.
74. Research and Science focusing on Athlete Performance and Safety, 2016, San Diego, CA. Intelligro Sports Turf Symposium. January 20.
75. Creeping bentgrass vs Ultra Dwarf Bermudagrass. 2016. Nashville, TN. Tennessee Turfgrass Conference. January 12.
76. Managing Ultra Dwarf Putting Greens in the Transition Zone, 2015, Knoxville, TN, UT Turfgrass Field Day. September 20.
77. Research and Science focusing on Athlete Performance and Safety, 2015, Ft Lauderdale, FL, National Football League Field Managers Annual Meeting. March 10.
78. Selecting and Managing Bermudagrass Varieties for Sports Fields, 2015, Tuscaloosa, AL, SEC Field Managers Annual Meeting. June 17.
79. CSI Turf: What Killed My Grass? Surviving the next Polar Vortex and other Weather, 2015, San Antonio, TX, Golf Industry Show. February 24.
80. Comparing Natural and Artificial Turf 2015, San Diego, CA, Turf Producers International Winter Meeting. February 17.
81. It is the “Turfgrass Show”, 9 February 2015, Boise, ID, Idaho GCSAA Annual Conference.
82. Effective Mower Configurations to Optimize Putting Green Playability, 2015, Boise, ID, Idaho GCSAA Annual Conference. February 9.
83. Evaluating Natural and Artificial Hybrid Turf Systems, 2015, Denver, CO, Sports Turf Managers Association Annual Conference. January 14.

84. Managing Shade Stress in Stadiums. 2015, Denver, CO, Sports Turf Managers Association Annual Conference. January 15.
85. Sports Turf Research Focusing on Athlete Performance & Safety, 2015, Denver, CO. Major League Baseball Field Managers Annual Meeting. January 12.
86. Understanding and Assessing Shade Stress, 2015, Boise, ID, Idaho GCSAA Annual Conference. February 10.
87. Selecting and Maintaining a Healthy Home Lawn. 2014. John Deere Landscapes Neyland Kickoff. Knoxville, TN. August 13.
88. Understanding, Assessing, and Managing Shade Stress. 2014. East Tennessee Golf Course Superintendents Meeting. Kingsport, TN. August 5.
89. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Pure Seed Testing Field Day. Canby, OR. June 19.
90. Ultra Dwarf Putting Green Management. 2014. Everglades Golf Course Superintendents Conference. Naples, FL. April 17.
91. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Synthetic Turf Council - Spring Conference. Las Vegas, NV. March 18.
92. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Turfgrass Producers International - Winter Annual Conference. Orlando, FL. January 25.
93. CSI: What Killed My Turf? 2014. Golf Industry Show. Orlando, FL. February 4.
94. Understanding, Assessing, and Managing Shade Stress Problems (half day workshop). 2014. Golf Industry Show. Orlando, FL. February 4.
95. Selecting and Maintaining a Healthy Home Lawn. 2014. National Lawn Care Summit. Nashville, TN. February 29.
96. Understanding, Assessing, and Managing Shade Stress Problems. 2014. National Lawn Care Summit. Nashville, TN. February 29.
97. Crumb Rubber Research and Real World Applications for Natural Turf Athletic Fields. 2014. National Sports Turf Managers Association Annual Conference. San Antonio, TX. January 23.
98. Bermudagrass Selection and Management for the Transition Zone. 2014. National Sports Turf Managers Association Annual Conference. San Antonio, TX. January 22.
99. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. National Soccer Coaches Association of America Annual Conference. Philadelphia, PA. January 18.
100. Rolling for Dollars: the Economics of Mowing and Rolling Frequencies for Creeping Bentgrass during Heat Stress. 2014. Indiana Green Industry Expo. Indianapolis, IN. January 10.
101. Sports Turf Research Focusing on Athlete Safety and Performance. 2014. Indiana Green Industry Expo. Indianapolis, IN. January 10.
102. A Closer Look at Athletic Field Safety. 2014. Tennessee Turfgrass Conference. Franklin, TN. January 7.
103. Research & Science: To Optimize Athlete Safety and Performance on Athletic Fields. 2013. New Mexico Turfgrass Conference. Ruidoso, NM. November 14.
104. Synthetic and Natural Turf Comparisons for Athletic Field Construction. 2013. New Mexico Turfgrass Conference. Ruidoso, NM. November 13.
105. Managing Turfgrass in Shade. 2013. New Mexico Turfgrass Conference. Ruidoso, NM. November 13.

106. University of Tennessee Center for Athletic Field Safety Impact Testing Criteria for Safety and Performance on Natural Turf Athletic Fields. 2013. Brock International Symposium. Boulder, CO. October 17.
107. Research and Science focusing on Athlete Safety and Performance. 2013. Florida Turfgrass Conference. Orlando, FL. September 10
108. Ultra Dwarf Putting Green Research and Management. 2013. Florida Turfgrass Conference. Orlando, FL. September 10.
109. Bermudagrass Variety Selection and Testing for Athletic Fields. 2013. Southeast Conference Field Managers Meeting. College Station, TX. June 18.
110. Mowing and Rolling Strategies for Putting Green Management. 2013. Golf Industry Show. San Diego, CA. February 5.
111. Understanding, Assessing, and Managing Shade Stress Problems (half day workshop). 2013. Golf Industry Show. San Diego, CA. February 5.
112. Synthetic Turf 101. 2013. Michigan Turfgrass Foundation Annual Conference. East Lansing, MI. January 22.
113. Management Strategies for Providing Safer Playing Surfaces for Athletic Fields. 2013. Michigan Turfgrass Foundation Annual Conference. East Lansing, MI. January 22.
114. Bermudagrass Management Panel Discussion. 2013. National Sports Turf Managers Association Annual Conference. Daytona, FL. January 17.
115. Crumb Rubber Research and Real World Applications for Natural Turf Athletic Fields. 2013. National Sports Turf Managers Association Annual Conference. Daytona, FL. January 16.
116. Ultra Dwarf Putting Green management. 2013. Tennessee Turfgrass Conference. Franklin, TN. January 7.
117. UT Center for Athletic Field Safety: Research focusing on Athlete Safety and Performance. 2012. New York State Turfgrass Conference. Rochester, NY. November 13.
118. UT Center for Athletic Field Safety: Selecting, Maintaining, and Purchasing Synthetic Turf. 2012. New York State Turfgrass Conference. Rochester, NY. November 13.
119. UT Center for Athletic Field Safety: Synthetic and Natural Turf Research focusing on Athlete Safety and Performance. 2012. Synthetic Turfgrass Council Annual Meeting. Dallas, TX. October 3.
120. Mowing and Grooming with Varying Rotational Brushes for Putting Green Management. 2012. UT Turfgrass and Ornamental Field Day. Knoxville, TN. September 13.
121. UT Center for Athletic Field Safety: Research focusing on Athlete Safety and Performance. 2012. UT Turfgrass and Ornamental Field Day. Knoxville, TN. September 13.
122. UT Center for Athletic Field Safety: Research focusing on Athlete Safety and Performance. 2012. SEC Sports Turf Managers Meeting. Columbia, SC. June 20.
123. Data Collection Methods and Equipment for Sports Turf Research. 2012. SERA-IEG Meeting. Fayetteville, AR. June 12.
124. Strategies for Maintaining a Safe Athletic Field. 2012. Alabama Turfgrass Association's Sports Turf Field Day. Huntsville, AL. May 15.
125. UT Center for Athletic Field Safety – Crumb Rubber Recycling Research. 2012. Environmental Show of the South. Gatlinburg, TN. April 25.

126. Research and Science to Improve Focusing on NFL Player Safety and Performance. 2012. NFLPA Annual Meeting. Marco Island, FL. March 23.
127. Ultra-Dwarf Putting Green Panel Discussion (Participant and Moderator). 2012. Golf Industry Show. Las Vegas, NV. February 28.
128. Understanding, Assessing, and Managing Shade Stress Problems (half day workshop). 2012. Golf Industry Show. Las Vegas, NV. February 28.
129. Managing Turf in Shade. 2012. Nebraska Green Expo. Council Bluffs, IA. January 24.
130. Managing Artificial Turf: Maintenance and Purchasing. 2012. Nebraska Green Expo. Council Bluffs, IA. January 23.
131. Managing Lawns in Shade. 2012. Arkansas Turfgrass Conference. Hot Springs, AR. January 18.
132. Managing Warm-season Putting Greens. 2012. Arkansas Turfgrass Conference. Hot Springs, AR. January 18.
133. Bermudagrass: New Varieties for Sports Turf Management. 2012. Sports Turf Managers Association National Conference. Long Beach, CA. January 13.
134. Golf Course Panel Discussion Participant. 2012. Tennessee Turfgrass Conference. Franklin, TN. January 9. University of Tennessee Turfgrass Program Update. 2012. Tennessee Turfgrass Conference. Franklin, TN. January 10.
135. UT Turfgrass Program Update. 2012. Tennessee Turfgrass Conference. Franklin, TN. January 9. University of Tennessee Turfgrass Program Update. 2012. Tennessee Turfgrass Conference. Franklin, TN. January 10.
136. Managing Organic Matter Accumulation in Ultra-dwarf Putting Greens. 2011. Texas Turfgrass Association Conference. San Antonio, TX. December 14.
137. Turfgrass Physiology and Management. 2011. Texas Turfgrass Association Conference. San Antonio, TX. December 13.
138. Rolling for Dollars: The Economics of Light-weight Rolling during Heat Stress. 2011. Texas Turfgrass Association Conference. San Antonio, TX. December 13.
139. Managing Athletic Field Wear. 2011. Sports Turf Managers Association of New York. Buffalo, NY. July 27.
140. Traffic Tolerant Bermudagrass Varieties. 2011. Sports Turf Managers Association Regional Conference. Knoxville, TN. June 16.
141. University of Tennessee Center for Athletic Field Safety. 2011. Sports Turf Managers Association Regional Conference. Knoxville, TN. June 15.
142. Creeping Bentgrass Heat Stress Management. 2011. Golf Course Superintendents Association Webinar. April 5.
143. Optimizing Performance and Safety on Football Fields. 2011. National Football League Players Association Safety and Welfare Summit. Indianapolis, IN. February 25.
144. Managing Turfgrass in Shaded Conditions Utilizing PGRs, Pesticides, and Fungicides. 2011. Western Pennsylvania Turfgrass Conference. Mars, PA. February 23.
145. Turfgrass Management issues, Pesticide Safety and Use Along with Cultural Practices. 2011. Western Pennsylvania Turfgrass Conference. Mars, PA. February 23.
146. Manage Organic Matter in Ultradwarf Bermudagrass Putting Greens. 2011. Golf Industry Show. Orlando, FL. February 8.
147. Taking Control of Green Speed Workshop. 2011. Golf Industry Show. Orlando, FL. February 7.
148. Turfgrass Shade Management for Golf Courses. 2011. Turfnet Webinar. January 27.

149. Turfgrass Shade Management for Sports Stadiums. 2011. Sports Turf Managers Conference. Austin, TX. January 12.
150. Warm Season Turfgrass Management for Athletic Fields. 2011. Sports Turf Managers Conference. Austin, TX. January 12.
151. Managing Traffic Stress on High Use Athletic Fields. 2011. Great Lakes Trade Exposition. Grand Rapids, MI. January 11.
152. Rolling for Dollars: the Economics of Light Weight Greens Rolling. 2011. Great Lakes Trade Exposition. Grand Rapids, MI. January 10.
153. Managing High Traffic Athletic Fields. 2011. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 6
154. Tennessee Turfgrass Research Update. 2011. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 5.
155. Managing Athletic Fields in Tennessee. 2010. University of Tennessee Research Field Day. Knoxville, TN. September 16.
156. UT Center for Athletic Field Safety Update. 2010. University of Tennessee Research Field Day. Knoxville, TN. September 16.
157. Managing Putting Greens during Summer Heat Stress. Turfnet Webinar. March 18.
158. Warm Season Turfgrass Management for Athletic Fields. 2010. Sports Turf Managers Conference. Orlando, FL. January 13.
159. Tennessee Turfgrass Research Update. 2010. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 10.
160. University of Tennessee golf turf research update. 2009. Middle TN Golf Superintendents Association Meeting. Nashville, TN. November 16.
161. The physiological and economic impacts of mowing and rolling practices for putting greens. 2009. TurfNet Webinar. September 16.
162. Managing bermudagrass athletic fields. 2009. University of Tennessee Research Field Day. Knoxville, TN. September 3.
163. Zoysiagrass fairway management. 2009. University of Tennessee Research Field Day. Knoxville, TN. September 3.
164. University of Tennessee ultra-dwarf putting greens research update. 2009. Memphis Area Golf Superintendents Meeting. Memphis, TN. June 29.
165. Managing turfgrass shade on golf courses. 2009. East TN Golf Superintendents Meeting. Kingsport, TN. June 15.
166. Managing zoysiagrass fairways in the transition zone. 2009. BASF Turfgrass Symposium. Atlanta, GA. May 13.
167. Sustainable turfgrass research for Tennessee. 2009 UTIA and Bayer Environmental Sciences Development Meeting. Knoxville, TN. May 12.
168. The economics and benefits of overseeding bermudagrass athletic fields. 2009. Seed Research of Oregon Turfgrass Symposium. New Orleans, LA. February 4.
169. Tennessee Turfgrass Research Update. 2009. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 11.
170. Rolling for Dollars: the Economics of Light Weight Greens Rolling. 2009. Pennsylvania Turfgrass Conference. Philadelphia, PA. January 8.
171. Managing turfgrass in shade. 2009. Pennsylvania Turfgrass Conference. Philadelphia, PA. January 7.
172. The Role of Calcium in Turfgrass. 2008 TETRA AG Symposium. Houston, TX. October 5.
173. Mowing and Rolling research. 2008. Sept. Turf Field Day. Knoxville, TN.

174. Warm Season Putting Greens for Tennessee. 2008. Sept. Turf Field Day. Knoxville, TN.
175. Rolling for Dollars: the Economics of Managing Creeping Bentgrass During Summer Heat Stress. 2008. ProSource One Golf Course Superintendents Seminar. Knoxville, TN. August 28.
176. Selecting and managing turfgrasses for Tennessee Home Lawns. 2008. Summer Celebration. Jackson, TN. July 10.
177. Managing Bermudagrass Athletic Fields in the Transition Zone. 2008. Sports Turfgrass Managers Association Regional Seminar. Philadelphia, PA. June 27.
178. Managing Turfgrass Stress in the Transition Zone. 2008. Bayer Environmental Science Spring Symposium. Hilton Head, SC. May 29.
179. Putting Green Management in the Transition Zone. 2008. Bayer Environmental Science Spring Symposium. Atlanta, GA. May 28.
180. Preparing and Managing a Bermudagrass Football Field for the NFL. 2008. National Football League Field Managers Annual Meeting. Nashville, TN. March 6.
181. Warm Season Turfgrass Management for Athletic Fields. 2008. Sports Turf Managers Conference. San Antonio, TX. January 18.
182. How to Manage Turfgrass Wear Issues. 2008. Nebraska Turfgrass Conference. Omaha, NE. January 15.
183. Rolling for Dollars: the Economics of Managing Creeping Bentgrass During Summer Heat Stress. 2008. Omaha, NE. January 15.
184. Tennessee Turfgrass Research Update. 2008. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 14.
185. Bermudagrass Athletic Field Q & A. Carolinas Turfgrass Conference. 2008. Raleigh, NC. January 8.
186. Controlling the Game: Managing Athletic Field Traffic. 2008. Carolinas Turfgrass Conference. Raleigh, NC. January 9.
187. Rolling for Dollars: The Economics of Mowing and Rolling Creeping Bentgrass Putting Greens. 2008. Sports Turf Managers Conference. Carolinas Turfgrass Conference. Raleigh, NC. January 9.
188. Rolling for Dollars: The Economics of Light Weight Greens Rolling. 2007. Ohio Turfgrass Foundation Conference. Columbus, OH. December 5.
189. Managing Athletic Field Wear. 2007. Ohio Turfgrass Foundation Conference. Columbus, OH. December 4.
190. University of Tennessee Turfgrass Program. 2007. Presentation to the UTIA AG Development Board. Knoxville, TN. November 3.
191. QoI Fungicides for Rhizoctonia solani Suppression in Tall Fescue. 2007. Arysta Life Science Pathology Meeting. San Juan, Puerto Rico. October 16.
192. Reducing Golf Cart Traffic: Segways and Other Options. 2007. New Mexico State Turfgrass Conference. Ruidoso, NM. October 11.
193. Rolling for Dollars: the Economics of Managing Creeping Bentgrass During Summer Heat Stress. 2007. New Mexico State Turfgrass Conference. Ruidoso, NM. October 11.
194. Managing Athletic Field Wear. 2007. New Mexico State Turfgrass Conference. Ruidoso, NM. October 10.
195. Assessing Wear and Mechanical Stress on Turfgrass Systems. 2007. ASHS International Horticulture Meetings. Phoenix, AZ. July 17.

196. UT Sports Turf Research with an Impact. 2007. University of Tennessee Turfgrass Research Field Day and Workshop. Knoxville, TN. May 15.
197. Creeping Bentgrass Putting Green Establishment. University of Tennessee Turfgrass Research Field Day and Workshop. 2007. Knoxville, TN. May 15.
198. Tractor Supply Company – National Lawn and Garden Call in Show. 2007. RFD-TV. Nashville, TN. April 9.
199. Garden Girls Call in Show – WDIO FM 100.3. 2007. Knoxville, TN. March 24.
200. Selecting, Testing, and Constructing Sports Turf Root Zone Workshop. 2007. Sports Turf Managers Conference. San Antonio, TX. January 20.
201. What to Look for when Deciding to Attend Graduate School. 2007. Sports Turf Managers Conference. San Antonio, TX. January 19.
202. Warm Season Turfgrass Management for Athletic Fields. 2007. Sports Turf Managers Conference. San Antonio, TX. January 19.
203. Tennessee Turfgrass Research Update. 2007. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 14.
204. How to Manage Sports Turf Wear. 2007. Wisconsin Turfgrass Conference. January 9.
205. Rolling for Dollars: the Economics of Light Weight Greens Rolling. 2007 Wisconsin Turfgrass Conference. January 9.
206. Segway and Golf Car Wear on Bermudagrass Fairway Turf. 2006. American Society of Agronomy Annual Meeting. Indianapolis, IN. November 16.
207. The Economics of Alternating Mowing and Rolling on Creeping Bentgrass Putting Greens. 2006. American Society of Agronomy Annual Meeting. Indianapolis, IN. November 14.
208. Heat Tolerant Bluegrass Management and Selection. 2006. Kentucky Turfgrass Conference. Bowling Green, KY. October 27.
209. Contemporary Professional Lawn care. 2006. Kentucky Turfgrass Conference. Bowling Green, KY. October 26.
210. Creeping Bentgrass Management during Summer Heat Stress in the Transition Zone. 2006. East Tennessee Golf Course Superintendents Meeting. Chattanooga, TN. September 18.
211. Benefits and Economics of Alternating Light-weight Rolling and Mowing in the Transition Zone. 2006. Middle Tennessee Golf Course Superintendents Meeting. Nashville, TN. September 12.
212. Cultural Practices for Warm Season Turfgrass Management. 2006. University of Tennessee Turfgrass Research Field Day. Jackson, TN. August 31.
213. Sports Turf Management and Research Update. 2006. University of Tennessee Turfgrass Research Field Day. Knoxville, TN. August 10.
214. Conducting Sports Turf Research. 2006. SERA IEG Meeting. Knoxville, TN. June 20.
215. University of Tennessee Turfgrass Science and Management Program Update. 2006. SERA IEG Meeting. Knoxville, TN. June 19.
216. Sports Field Management. 2006. Tifton Field Day. Tifton, GA. May 2.
217. Managing Ryegrass and Bermudagrass in the Transition Zone. 2006. Sports Turf Managers Conference. Orlando, FL. January 20.
218. Sports Turf Workshop. 2005. Georgia Turfgrass Conference. Atlanta, GA. December 7.
219. Impact of Traffic on Sports Field Health. 2005. Georgia Turfgrass Conference. Atlanta, GA. December 6.

220. Managing Patch Disease in the Transition Zone. 2005. ProSource One Professional Turf Seminar. Knoxville, TN. November 28.
221. Selecting and Managing Improved Kentucky Bluegrass Cultivars in the Transition Zone. 2005. Dickens Landscape Supply Turf Seminar. Nashville, TN. November 16.
222. Fungicide Comparison for Brown Patch Control in Tall Fescue. 2005. BASF Pathology Symposium. Asheville, NC. September 28.
223. Improved Cool-season Turfgrasses and their Management for Tennessee Lawns. 2005. Annual TAPA Meeting. Gatlinburg, TN. July 28.
224. Heat Tolerant Bluegrass Management and use for West Tennessee. 2005. West Tennessee Turfgrass Field Day. Jackson, TN. June 2.
225. Managing your football game and practice fields. 2005. University of Tennessee Spring Coaching Clinic. Knoxville, TN. April 2.
226. Department of Plant Sciences: An Overview. 2005. University of Tennessee Institute of Agriculture Orientation. Knoxville, TN. April 9.
227. Managing a Sand Based Athletic Field and Dealing with the Organic Layer. 2005. Sports Turf Managers Conference. Phoenix, AZ. January 21.
228. Selecting a Sports Turf Root-zone. 2005. Virginia Turfgrass Conference. Richmond, VA. January 12.
229. Determining Dollar Spot Resistance. 2005. Virginia Turfgrass Conference. Richmond, VA. January 12.
230. University of Tennessee Turfgrass Teaching, Research and Extension Update. 2005. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 4.
231. University of Tennessee Turfgrass Management Program and Field Tour. 2004. Walter State Turfgrass Field Trip. Knoxville, TN. November 10.
232. Heat Tolerant Bluegrass Research for Tennessee. 2004. University of Tennessee Turfgrass Field Day. Knoxville, TN. August 26.
233. University of Tennessee Golf Turf Research Update. 2004. East Tennessee Golf Course Superintendents. Greenville, TN. August 17.
234. Turfgrass management and selection for East Tennessee. 2004. WJBZ 96.3 FM Radio – Garden Chat. Knoxville, TN. July 1.
235. University of Tennessee Sports Turf Research and Heat Tolerant Bluegrass Update. 2004. Tennessee Valley Sports Turf Managers Association Annual Trade Show and Meeting. Knoxville, TN. June 24.
236. Heat tolerant bluegrasses for Tennessee. 2004. Green Industry Professional Field Day. Knoxville, TN. June.
237. Tennessee turfgrass management. 2004. Green Industry Professional Field Day. Knoxville, TN. June.
238. Dollar Spot Fungicide Resistance and Managing for it. 2004. Middle Tennessee Golf Course Superintendents. Nashville, TN. April 26.
239. Getting the most out of your football and practice fields. 2004. University of Tennessee Spring Coaching Clinic. Knoxville, TN. April 3.
240. Dealing with Shade Issues in Stadiums. 2004. Sports Turf Managers Association Annual Conference. San Diego, CA. January 24.
241. University of Tennessee Turfgrass Research and Teaching Update. 2004. Annual Tennessee Turfgrass Association Conference. Nashville, TN. January 11.
242. *Poa supina* for Sports Turf Use. 2003 Washington Turf and Landscape Show. Seattle, Washington. December 1.

243. Managing Turfgrass Under Reduced Light. 2003 Washington Turf and Landscape Show. Seattle, Washington. December 1.
244. Growing Turf Inside the Silverdome. 53<sup>rd</sup> Annual Kansas Turfgrass Conference. Topeka, Kansas. December 2.
245. Low Cost Installation of New Fields. 53<sup>rd</sup> Annual Kansas Turfgrass Conference. Topeka, Kansas. December 3.
246. Indoor Turf? – The 1994 Silverdome Project. 53<sup>rd</sup> Annual Kansas Turfgrass Conference. Topeka, Kansas. December 4.
247. Greening Roof-tops using Portable Turfgrass Modules. November 2003. Tennessee Riverboat Roof-top Garden Meeting. Knoxville, Tennessee
248. Creative Funding Sources for Turf Research, Teaching, and Extension. November 2003. American Society of Agronomy Annual Meeting. Invited Symposia. Denver, Colorado.
249. Best Management Practices for Establishing and Maintaining turf in the Shade. August, 2003. Tennessee Green Industry Field Day. McMinnville, Tennessee.
250. UT Turfgrass Research Update. 2003. East TN Golf Course Superintendents Association. July, 2003. Johnson City, Tennessee.
251. Turfgrasses for West TN Lawns. 2003. UT Summer Celebration, West TN Exp. Sta. July, 2003. Jackson, Tennessee.
252. UT Turfgrass Research Update. 2003. Memphis Area Course Superintendents Association. May, 2003. Germantown, Tennessee.
253. Turfgrass and the Environment. 2003. Telico Village Homeowners Association. April, 2003. Loudon, Tennessee.
254. Getting the Most out of Your Football Game and Practice Fields. 2003. University of Tennessee High School Football Coaches Clinic. April 2003. Knoxville, TN.
255. UT Turfgrass Research Update. 2003. Middle TN Golf Course Superintendents Association. April, 2003. Nashville, Tennessee.
256. Tennessee Sports Turf Update. 2003. Tennessee Valley Sports Turf Managers Association. April, 2003. Knoxville, Tennessee.
257. Turf and Shade. 2003. University of Tennessee Garden Show. February, 2003. Knoxville, Tennessee.
258. Turfgrass Shade Management. 2003. Annual Arkansas Turfgrass Association Conference. January, 2003. Little Rock, Arkansas.
259. University of Tennessee Sports Turf Research for Tennessee. 2003. Annual Tennessee Turfgrass Association Conference. January, 2003. Nashville, Tennessee.
260. Building the University of Tennessee Turfgrass Team. 2003. Annual Tennessee Turfgrass Association Conference. January, 2003. Nashville, Tennessee.
261. Localized Dry Spot and Fairy Ring Management on Golf Courses. 2002. East Tennessee Golf Course Superintendents Association. December, 2002. Knoxville, Tennessee.
262. Sports Turf Management at UT. 2002. Tennessee Valley Sports Turf Managers Association. June 2002. Knoxville, Tennessee.
263. University of Tennessee Golf Turf Research Update. 2002. East Tennessee Golf Course Superintendents Association. May 2002. Chattanooga, Tennessee.
264. Turf Wars – Home Lawn Turf Tips. 2002. UTIA Donors Luncheon in the Garden. May, 2002. Knoxville, Tennessee.
265. Utilizing forced in putting USGA putting green construction. 2001. Annual Michigan Turfgrass Field Day. August, 2001. East Lansing, Michigan.

266. Exogenous carbohydrate sources for turfgrass under reduced light conditions. Annual American Society of Agronomy October 2001. Charlotte, NC.
267. Guest lecturer for advanced turfgrass management. 2001. Michigan State University, East Lansing, Michigan.
268. Instructor for introduction to turfgrass management laboratory. 2000. Michigan State University. East Lansing, Michigan.
269. Guest lecturer for introduction to turfgrass management. 2000. Michigan State University. East Lansing, Michigan.
270. Utilizing the ITM modules in USGA putting green construction. 2000. Annual Michigan Turfgrass Field Day. August, 2000. East Lansing, Michigan.
271. Turfgrass establishment for landscape and home lawns. 2000. 70<sup>th</sup> Annual Michigan Turfgrass Conference. January 2000. Lansing, Michigan.
272. Is supina bluegrass in your future? 1999. Michigan State University One Week Turf School. December 1999. East Lansing, Michigan.
273. Apparatus to measure turfgrass sod strength. 1999. Annual American Society of Agronomy Conference. November 1999. Salt Lake City, Utah.
274. Development of management practices for supina bluegrass in Michigan. 1999. Annual Michigan Turfgrass Field Day. August, 1999. East Lansing, Michigan.
275. Is supina bluegrass in your future? 1999. Annual Turf Producers International Conference and North Central Region 192 Meetings. June, 1999. East Lansing, Michigan.
276. Portable turfgrass modules for golf course uses. 1999. Golf Association of Michigan Field Day. May, 1999. East Lansing, Michigan.
277. Progress report for La Plata indoor stadium research project. 1999. 69<sup>th</sup> Annual Turfgrass Conference. January, 1999. Lansing, Michigan.
278. Managing supina bluegrass in Michigan. 1999. 69<sup>th</sup> Annual Michigan Turfgrass Conference. January, 1999. Lansing, Michigan.
279. Managing supina bluegrass in Michigan. 1998. Michigan State University One Week Turf School. December 1998, East Lansing, Michigan.
280. Seed mixtures of supina bluegrass and Kentucky bluegrass for athletic fields. 1998. Annual American Society of Agronomy Conference. November 1998. Baltimore, Maryland.
281. Managing supina bluegrass in Michigan. 1998. Annual Michigan Turfgrass Field Day. August, 1998. East Lansing, Michigan.
282. Managing *Poa supina* Schrad. in Michigan. 1998. 68<sup>th</sup> Annual Michigan Turfgrass Conference. January, 1998. Lansing, Michigan.
283. Mulch type for turfgrass establishment. 1997. Michigan State University One Week Turf School. December 1997. East Lansing, Michigan.
284. The effect of mowing height and traffic on supina bluegrass. 1997. Annual American Society of Agronomy Conference. November 1997. Anaheim, California.
285. Determining the performance of supina bluegrass grown in different media for athletic field conditions under reduced light conditions. 1997. Annual Michigan Turfgrass Field Day. July, 1997. East Lansing, Michigan.
286. Mulch type effects on turf establishment. 1997. 67<sup>th</sup> Annual Michigan Turfgrass Conference. January, 1997. Lansing, Michigan.

287. The effect of mulch type for turfgrass establishment on plastic utilizing Ecomat. 1996. Annual American Society of Agronomy Conference. November, 1996. Indianapolis, Indiana.
288. Turfgrass establishment on plastic utilizing contrived growth media. 1996. Annual Michigan Turfgrass Field Day. July, 1996. East Lansing, Michigan.

#### **HONORS AND AWARDS:**

- 2024 Herbert College of Agriculture Glyn Ed and Lynda Newton Entrepreneurial and Critical Thinking Award
- 2023 University of Tennessee Chancellor's Innovation Fund Award
- 2022 J.E. Moss Achievement Award for Ag Research
- 2014 Tennessee Venture Capital Competition Audience Favorite Award. University of Tennessee Research Foundation
- 2011 E.R. "Prof" Lidvall Outstanding Teaching Award
- 2011 CASNR Outstanding Advisor Award
- 2011 Sports Turf Managers Association Dr. William Daniels Founders Award
- 2009 Cavander Award for Best Educational Publication
- 2007 Gamma Sigma Delta The Excellence in Teaching Award of Merit
- 2007 CASNR W.F. & Gold Moss Outstanding Teaching Award
- 2004 Tennessee Turfgrass Association – Turfgrass Professional of the Year
- 2001 Dr. Jim Watson STMA Scholarship
- 1999 Dr. Jim Watson STMA Scholarship
- 1996 Canadian Golf Superintendents Association Scholarship
- 1995 Canadian Golf Superintendents Association Scholarship
- 1995 Michigan Turfgrass Foundation, Robert Hancock Scholarship for outstanding undergraduate turfgrass student
- 1995 Michigan State University, Crop & Soil Sciences Scholarship

#### **FORMAL COURSES TAUGHT:**

- PLSC 240 Turfgrass Management (Fall Semester) – formally PS 340
- PLSC 441/541 Advanced Turfgrass Management (Spring Semester) formally PS 440
- PLSC 442/542 Turfgrass Root-Zone Management & Construction (Spring Semester)
- PLSC 449 Turfgrass Research Practicum (All Semesters)
- PLSC 462 Turfgrass Professionalism and Communication (Spring Semester)
- PLSC 469 Teaching Practicum (Spring and Fall)
- PLSC 492 Student Internship (All Semesters)
- PLSC 493 Independent Studies (All Semesters)
- PLSC 499 Undergraduate Research Participation (All Semesters)
- PLSC 568 Teach Practicum (Spring and Fall Semesters)
- PLSC 593 Problems in Plant Sciences (All Semesters)
- AGNR 493 International Experience

#### **MENTORSHIP & ADVISING:**

- I have directed 17 Masters (3 current) and 4 Ph.D. (1 current) graduate students
- I have served on 16 Masters and 6 Ph.D. committees

### ***Graduate mentorship***

<b>Name</b>	<b>Degree</b>	<b>Year</b>	<b>Name</b>	<b>Degree</b>	<b>Year</b>
P. Bishop	Masters	2004	J. Kauffman	Ph.D.	2010
M. Goddard	Masters	2006	A. Thoms	Ph.D.	2015
W. Strunk	Masters	2006	K. Dickson	Ph.D.	2017
R. Tocco	Masters	2008	T. Carr	Ph.D.	2022
A. Thoms	Masters	2008	C. Burbrink	Ph.D.	Current
D. Lewis	Masters	2009	L. Smith	Ph.D.	Current
W. Hasslebauer	Masters	2010			
L. Freshour	Masters	2013			
E. Reasor	Masters	2014			
K. Dickson	Masters	2014			
C. Yuriscic	Masters	2016			
B. Ogle	Masters	2021			
M. Layne	Masters	2021			
T. Williams	Masters	2021			
J. Thomas	Masters	Current			
R. Fielder	Masters	Current			
I. Navarrete	Masters	Current			

### ***Undergraduate mentorship***

- Since 2002, I have advised Turfgrass Science & Management undergraduates
  - o Average annual number of advisee is 14, ranging from 8 (2015) to 36 (2004)
- In 2006, introduced the 'Turfgrass Spring Block' semester for juniors
  - o Increased internship experience for students
  - o Increased competitive internship placement for students
- Facilitate internship placement
  - o National Football League (Titans, Eagles, Steelers, Ravens, Panthers, Falcons, Buccaneers, & Super Bowl)
  - o Major League Baseball (Tigers, Nationals, Phillies, Orioles, Red Sox, Cubs, Reds, and Dodgers)
  - o Major League Soccer (New York Football Club, Cincinnati SC, Orlando SC, and DC United)
  - o Multiple top 100 golf courses, PGA Championship, U.S. Open, Masters, etc.
  - o International internships
    - English Premier League (Tottenham Hotspur and Arsenal)
    - All England Lawn and Tennis Club (Wimbledon)
    - Germany (Winston Golf – world top 100)
    - Spain, established the Finca Cortesin Golf & University of Tennessee Scholarship
      - Funded by the Toro Company, the scholarship includes, airfare, housing, meals, and a significant financial stipend to intern in Marbella, Spain