

Curriculum Vitae

NAME: Thomas A. Nikolai, Ph.D.

TITLE: Senior Specialist

ADDRESS: Michigan State University
Department of Plant, Soil, & Microbial Sciences
East Lansing, MI 48824

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EFFORT DISTRIBUTION: 78% Teaching, 22% Research

CURRENT INSTRUCTION RESPONSIBILITIES

AT 102	Turfgrass and Landscape Analytical Practices
CSS 143	Introduction to Soil Science
CSS 178	Turfgrass Irrigation
CSS 181	Pesticide and Fertilizers Technology

ACADEMIC TRAINING

Michigan State University, Doctorate Degree, August 2002
Michigan State University, BS Crop & Soil Sciences, March 1992
Michigan State University, AG. Tech. Turfgrass Management, March 1986

PROFESSIONAL EXPERIENCE

Michigan State University, East Lansing, MI. 7/92-present
Academic Specialist 12/00-present

- Responsibilities include development of materials and instruction of students on and off campus. In-state off campus courses were taught via CODEC to students in Grand Rapids and Traverse City, Michigan with the exception of weekly labs under my supervision. I made CSS 232, CSS 178, and CSS 211 available on-line with the original intention of having the courses available for students in mainland China. I have since utilized those skills to assist in-state off campus and on campus students by creating CSS 143.
- Perform mechanical, cultural, and turfgrass weed research.

Research Assistant 7/92-12/00

- Supervised turfgrass soils research activities with an emphasis on mechanical and cultural practices.
- Wrote weekly articles during the growing season for the Landscape Crop Advisory Alert.
- Michigan Turfgrass Foundation Conference Coordinator (1993-1999).
- Michigan Turfgrass Conference Proceedings Editor (1996-2000).
- Instructed a sand analysis lab for turfgrass students 1992-1998.
- Instructed introduction to turfgrass laboratory (1999-2000).
- Assisted in construction and installation of the module soccer field for the 1994 World Cup Soccer, indoor turfgrass project. Pontiac, MI.

HONORS AND AWARDS

2019 TOCA AWARDS "WRITING-MERIT Series of columns by regular department columnist
"Up to Speed"
2017 Outstanding Faculty Member
2004 First Place "General Feature Article" Writing for commercial publication
2003 Outstanding Faculty Member

BOOKS

Nikolai, T. A. 2005. *The Superintendent's Guide to Controlling Putting Green Speed*. John Wiley & Sons, Inc. Hoboken, N.J.

DISSERTATION

Nikolai, T. A. 2002. Effects of rolling and fertility on different root zones. 2002. Ph.D. Dissertation: Michigan State University. xiii, 104 pp

REFEREED PUBLICATIONS

- Nikolai, T. A., and Karcher, D. E., Hathaway, A. D. and O'Brian. Impact of putting green management on visible wear damage caused by foot traffic. 2021. *Agronomy Journal*. September/October. 113(5): p. 3771-3777.
- Reicher, Z, J.; Sousek, M. D.; Patton, A. J.; Van Dyke, A.; Kreuser, W. C.; Inguagiato, J. C.; Miele, K. M.; Brewer, J.; Askew, S.D.; Hathaway, A.; Nikolai, T. A.; Kowalewski, A; McDonald, B. Adding a late fall application of Proxy (ethephon) before two traditional spring applications improves seedhead control of annual bluegrass. 2020. *Crop, Forage and Turfgrass Management*. 6(1): p. [1-9].
- Green, Thomas O.; Rogers, John N. III; Crum, James R.; Vargas, Joseph M. Jr.; Nikolai, Thomas A. Effects of rolling and sand topdressing on dollar spot severity in fairway turfgrass. 2019. *HortTechnology*. August. 29(4): p. 394-401.
- Xiao, M., K.W. Frank, and T.A. Nikolai. Foliar and granular fertilizer effects on creeping bentgrass quality and soil nutrient levels. 2018. *Crop, Forage, and Turfgrass Management*. November 4(1): p. 1-7.
- Frank, Kevin, W.; T. A. Nikolai, A. Hathaway, and Z. Williams. The fate of late fall applied nitrogen in creeping bentgrass and annual bluegrass. 2018. *Crop Forage, and Turfgrass Management*. November 4(1): p.1-5.
- Yurisc, Cory A.; Sorochan, John C.; Nikolai, Thomas A.; Hathaway, Aaron. 2016. Effects of behind center distance on creeping bentgrass (*Agrostis stolonifera* L.) putting greens. *Crop, Forage and Turfgrass Management*. February 5. 2(1): p. 1-3.
- Giordano, Paul R.; Johnson, Colin; Richards, Jacob S.; Richardson, Michael D.; Karcher, Douglas E.; Vargas, Joseph M. Jr.; Nikolai, Thomas A. 2013. Investigating lightweight rolling thresholds for putting green quality and performance. *International Turfgrass Society Research Journal*. 12: p. 157-162.
- Giordano, Paul R.; Nikolai, Thomas A.; Hammerschmidt, Ray; Vargas, Joseph M. Jr. 2012. Timing and frequency effects of lightweight rolling on dollar spot disease in creeping bentgrass putting greens. *Crop Science*. May. 52(3): p. 1371-1378.
- Richards, Jacobs.; Karcher, Douglas E.; Nikolai, Thomas A.; Henderson, Jason J.; Sorochan, John C. 2009. A comparison of two devices used to measure golf course putting green speed. *Applied Turfgrass Science*. July 24. p. [1-7].

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- Frank, Kevin W.; Leach, Brian E.; Crum, James R.; Rieke, Paul E.; Leinauer, Bernd R.; Nikolai, Thomas A.; Calhoun, Ronald N. 2005. The effects of a variable depth rootzone on soil moisture in a sloped USGA putting green *International Turfgrass Society Research Journal*. 10(Part 2): p. 1060-1066.
- Nikolai, T. A., Karcher, D. E., and Sorochan, J. C. 2005. Professional golfers conclude that spike design affects putting green quality. Online. *Applied Turfgrass Science* oi:10.1094/ATS-2005-1127-01-BR.
- Hathaway, A. D., and T. A. Nikolai. 2005. A putting green traffic methodology for research applications established by in situ modeling. *Int. Turfgrass Soc. Annexe - Tech. Pap.* 10:p. 69-70.
- Nikolai, T.A., P.E. Rieke, J.N. Rogers, III, and J.M. Vargas, Jr. 2001. Turfgrass and soil responses to lightweight rolling on putting green root zone mixes. *International Turfgrass Society Research Journal*. 9(2): 604-609.
- Leinauer, B., T.A. Nikolai, and D.E. Karcher. 1999. Alternativspikes – eine alternative? *Greenkeepers Journal*. 30(1): 20-21.

TRADE JOURNALS

- Nikolai, Thomas A. 2021. MTF dollars and sense: Why ask why? Newsnotes (Michigan Turfgrass Foundation). Summer. 1(1): p. 12-13.
- Nikolai, Thomas A. We are all in this together: a fairway annual bluegrass control study. *Course Conditions*. Quarter 3. 48: p. 7-13. 2020.
- Nikolai, Thomas A. It's time for me to own it. MTF Survey and Email article. 2020
- Nikolai, Thomas A. Heavy metal, speed, and weed. 2019. *Course Conditions*. Summer. p. 22-23, 25-26
- Nikolai, Thomas A.; Motley, Elijah; Nedds, Gabe; Galbraith, Eric. 2019. *Michigan State University Turfgrass Field Day*. p. 7-8.
- Nikolai, Thomas A.; Motley, Elijah; Nedds, Gabe; Galbraith, Eric. 2019. *Michigan State University Turfgrass Field Day*. p. 9-10.
- Nikolai, Thomas A.; Galbraith, Eric. 2019. *Michigan State University Turfgrass Field Day*. p. 10-11.
- Nikolai, Thomas A.; Karcher, Douglas. 2019. *Turf Management Journal*. June. 36(2): p. 22-23. Effects of golf shoe designs on putting surfaces
- Nikolai, Thomas A. USGA Green Section. 2018. [Far Hills, New Jersey]: United States Golf Association. 3 pp.
- Nikolai, Thomas A.; Karcher, Douglas. 2017. The impact of putting green management on visible wear caused by golf cleat/sole designs. *Turfgrass and Environmental Research Program: 2016 Research Summaries*. P. 324-327.
- Nikolai, Thomas A.; Karcher, Douglas. 2016. The impact of putting green management on visible wear caused by golf cleat/sole designs. *Turfgrass and Environmental Research Program: 2016 Research Summaries*. P. 247-249.
- Norman, Karin. 2017. Greenkeeperen 2: p. 48-49. Erfaringer med rulning: Ved DGA-ugen 2015 var rulning pa programmet med indlaeg af professor Thom Nikolai fra Michigan State University
- Nikolai, Thomas A.; Hathaway, Aaron; Fabbo, Joe; Wait, D. J.; Motley, Isaac. 2015. Mechanical methods to reduce disease incidence and encourage plant health. *The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day*. p. 12-13.

TRADE JOURNALS *(continued)*

- Hathaway, Aaron; Nikolai, Thomas; Frank, Kevin W. Aesthetics and playability in secondary roughs. *Golf Course Management*. July. 85(7): p. 73
- Hathaway, Aaron; Nikolai, Thomas A.; Frank, Kevin W. 2015. Herbicide programs for managing naturalized rough areas and herbicide programs for controlling *Poa annua*. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 13-15.
- Hathaway, Aaron; Nikolai, Thomas A. 2015. Comparing sprayer technology and herbicide technology. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 19.
- Nikolai, Thomas A. Top-10 redenen om te rollen: Doctor of green speed vertelt welke voordelen het lichtgewicht rollen van gras heeft 2015. *Greenkeeper [The Netherlands]*. 26(2): p. 38-39.
- Nikolai, Thomas A. 2014. Ready to Roll. *Golf Course Management*. April. 82(4): p. 44-46, 48, 50, 52.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Weed control research with square one. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 17-18.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Preemergence crabgrass control study. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 18.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Defender (florasulam) research. *News Notes [Michigan Turfgrass Foundation]*. Spring.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Pylex (topramezone) weed control trials. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 21-22.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Controlling annual bluegrass with herbicides, PGR's, and cultural practices. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 23.
- Nikolai, Thomas A.; Hathaway, Aaron; Binder, Nick; Fabbo, Joe; Lemanski, Michael. 2014. Xonerate research for annual bluegrass control in creeping bentgrass fairways. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 24.
- Nikolai, T.A. 2013. The top ten reasons to lightweight roll. *Greenkeeper International* June 2013
- Green, Thomas O.; Rogers, John N. III; Crum, James R.; Nikolai, Thomas A.; Vargas, Joseph M. Jr. 2014. Lightweight rolling and sandtopdressing enhance turfgrass quality by decreasing dollar spot infection. *News Notes [Michigan Turfgrass Foundation]*. Spring. 6(1): p. 25.
- Hathaway, Aaron; Nikolai, Thomas A. 2013. Annual bluegrass control in a putting green with herbicide and nitrogen rate regimes. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 11-12.
- Lemanski, Mike; Binder, Nick; Fabbo, Joe; Nikolai, Thomas A. 2013. Behind Center Distance (BCD) bedknife study. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 16-17.
- Binder, Nick; Hathaway, Aaron; Nikolai, Thomas A. 2013. Postemergence crabgrass control. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 25-26.
- Hathaway, Aaron; Nikolai, Thomas A. 2013. A new weapon for controlling warm season grasses. The Michigan Turfgrass Foundation and Michigan State University Present: Turfgrass Field Day. p. 30.
- Nikolai, Thomas A. 2013. On guard! *Course Conditions*. Fall. p. 30-31.

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- Frank, Kevin; Hathaway, Aaron; Nikolai, Thomas. 2013. Tips for seeding your lawn during summer. News Notes [Michigan Turfgrass Foundation]. Summer. 5(2): p. 22.
- Green, Thomas O.; Rogers, John N. III; Crum, James R.; Nikolai, Thomas A.; Vargas, Joseph M. Jr. 2013. Lightweight rolling and sand topdress programs to decrease pesticide inputs and enhance turfgrass quality. News Notes [Michigan Turfgrass Foundation]. Spring. 5(1): p. 14.
- Nikolai, Thomas A. 2012. The top 10 reasons to lightweight roll putting greens. News Notes [Michigan Turfgrass Foundation]. Summer. 5(2): p. 9-12.
- Nikolai, Thomas A. 2012. The top 10 changes that have impacted Michigan golf course management in the past 25 years. Course Conditions. Spring. p. 6-8.
- Nikolai, Thomas A.; Tocco, Rodney V. Jr. 2012. 2011 MTF research summary I.: [Flint project]News Notes [Michigan Turfgrass Foundation]. Spring. 5(1): p. 12.
- Nikolai, Thomas A.; Tocco, Rodney V. Jr. 2012. 2011 MTF research summary II: Determining plant available water for sustainable water conservation with evapotranspiration replenishment regimes, wetting agents and cultural practices. News Notes [Michigan Turfgrass Foundation]. Spring. 5(1): p. 12-13.
- Giordano, Paul R.; Vargas, Joseph M. Jr.; Nikolai, Thomas A.; Hammerschmidt, Ray. Why lightweight rolling decreases dollar spot. 2012. Golf Course Management. February. 80(2): p. 138-142.
- Nikolai, Thomas A. 2012. Now that's magic! Pitchcare. February/March. 41: p. 134-135.
- Nikolai, Thomas A. 2011. Community matters...and MSU turfgrass is making a difference. News Notes (Michigan Turfgrass Foundation). Winter. 4(3): p. 14-15.
- Nikolai, Thomas A. 2011. Lightweight rolling around the world: Lightweight rolling of greens has shown benefits in the U. S. and Sweden. Golf Course Management. December. 79(12): p. 82-86.
- Nikolai, T. A. 2010. The Flint Project: An attempt to quantify the functional aspects of turfgrass. NewsNotes 3(2) 18-19.
- Nikolai, T. A. 2009. Historical perspective and the future use of a unique piece of real estate. News Notes 2(2) 3-9.
- Nikolai, Thomas A. 2009. Rock and rolling: this well-studied practice can help reduce dollar spot on greens, among other things. TurfGrass TRENDS. December. p. 55-57.
- Nikolai, Thomas. 2009. Confessions of a yahoo lightweight rolling research (I hope Neil Young will remember...) North Carolina Turfgrass. September/October. p. 12-14.
- Zarco Pérez, Plácido; Nikolai, Thomas A. 2009. Optimización del rulado para la velocidad de greenes ([Optimization of rolling for green speed])*Greenkeepers*. Enero. 30: p. 52-55.
- Nikolai, Thomas A. 2008. Michigan State University Aquatrols surfactant studies 2007 MSU Turfgrass Research Reports. 3: p. [1-22].
- Nikolai, Thomas A. 2008. I ain't been a written cuz I been a writing too much. Newsnotes (Michigan Turfgrass Foundation). Summer. 1(2): p. 4-5.
- Nikolai, Thomas A. 2008. Confessions of a yahoo lightweight rolling researcher: I hope Neil Young will remember...Tennessee Turfgrass. October/November. p. 21-24.
- Nikolai, Thomas A. 2008. Southern rock & lightweight rolling: I hope Neil Young will remember...Florida Turf Digest. July/August. 25(4): p. 10-14.
- Nikolai, Thomas A. 2007. Turf research. 2007 Research Summaries. p. [8].
- Nikolai, Thomas A. 2007. Turf research. Newsnotes (Michigan Turfgrass Foundation). Summer. p. 27.
- Nikolai, Thomas A.; Thorp, Trevor; Johnson, Colin. 2006. Mower maintenance studies. Michigan Turfgrass Field Day. p. 16.

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- Nikolai, Thomas A. 2006. Investigating green speed and superintendent perceptions. 2006 Turfgrass and Environmental Research Summary. p. 67.
- Nikolai, T. A. 2005. Taking control of green speeds. *Green Master*. 40(4): 34-37.
- Nikolai, T. A. 2005. The need for speed. *Grounds Maintenance*. April: G2-G8
- Nikolai, T. A. 2004. Rollin', rollin', rollin'. *Golf Course Management*. 72(4): 121-124.
- Nikolai, T. A. 2003. Tools of the trade: using the Stimpmeter for its intended purpose. *Grounds Maintenance*. October: G18- G21.
- Nikolai, T. A. 2003. PGA Touring Pros evaluate putting greens for spike damage. *USGA Greens Section Record*. 41(5): 7-9.
- Nikolai, T. A. 2003. Superintendents investigate effect of mower type on green speed. *Golf Course Management*. 71(9):86-88.
- Nikolai, T. A. PGA Tour Pros rate greens for spike damage. *New Zealand Turf Management Journal*. 18(3): 21-23.
- Nikolai, Thomas A. 2002. More light on lightweight rolling: Research is shedding light on rolling as a season-long maintenance practice. *USGA Greens Section Record*. 40(1): 9-12.
- Karcher, D.E., T. A. Nikolai, and R.N. Calhoun. 2001. Golfers' perceptions of greens speeds vary. *Golf Course Management*. 69(3): 57-60.
- Nikolai, T.A., R.N. Calhoun, B.J. Horvath, K.W. Frank, and J.M. Vargas Jr. 2001. Spoon-feeding with a twist. *Golf Course Management*. 69(1): 51-54
- Frank, K.W. and T.A. Nikolai. 2001. Turfgrass soils and fertility research report 2000. 71st Ann. Mich. Turfgrass Conf. Proc. 30: 15-39.
- Frank, K.W., D.M. Gilstrap, T.A. Nikolai, and P.E. Rieke. 2001. Irrigation and fertility effects on three turfgrass species. 71st Ann. Mich. Turfgrass Conf. Proc. 30: 101-102.
- Karcher, D.E., T.A. Nikolai, and R.N. Calhoun. 2000. Green speed: What do golfers know? *Australian Turfgrass Management*. 2(4): 30-32.
- Nikolai, T.A., J.N. Rogers III, D.E. Karcher, J. A. Hardy, and P.E. Rieke. 2000. Grass vs.concrete: Golf shoe traction: Where you stand on alternative spikes may depend on where you walk. *Golf Course Management*. 68(6): 49-54
- Gilstrap, D.M., T.A. Nikolai, P.E. Rieke, and O. Schabenberger. 2000. Four-year nitrogen protocol study. 70th Ann. Mich. Turfgrass Conf. Proc. 29: 155-156.
- Leinauer, B., P.E. Rieke, R.N. Calhoun, T.A. Nikolai, D.E. Karcher, and J.R. Crum. 2000. Effects of root zone material and depth on moisture retention problems in undulating USGA putting greens. 70th Ann. Mich. Turfgrass Conf. Proc. 29: 143-148.
- Gilstrap, D.M., T.A. Nikolai, K. Amundsen, and O. Schabenberger. 2000. How to enhance spring green-up with mowing. 70th Ann. Mich. Turfgrass Conf. Proc. 29: 71.
- Nikolai, T.A., P.E. Rieke, D.E. Karcher, B. Leinauer, J. Makk, and J. Bristol. 2000. Turfgrass cultural practices report. 70th Ann. Mich. Turfgrass Conf. Proc. 29: 36-48.
- Rogers, J.N. III, P.E. Rieke , D.E. Karcher, T.A. Nikolai, and J. A. Hardy. 1999. 1998 traveling golf spike study. *Australian Turfgrass Management*. 1(4): 18-21.
- Nikolai, T.A. 1999. The quest for traction in the alternative spike world. *A Patch of Green*. Mid-summer: 7.
- Rogers, J.N. III, D.E. Karcher, T.A. Nikolai, J. A. Hardy, and P.E. Rieke. 1999. Greens, cleats interact in traveling study. *Golf Course Management*. 67(6): 61-65.
- Leinauer, B., T.A. Nikolai, and D.E. Karcher, O. Schabenberger, P.E. Rieke, and J.N. Rogers III. 1999. Spike alternatives and a new possibility, calculation of subjective turf quality ratings. *Rasen-Turf-Gazon*. 30(1): 17-21.

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- Leinauer, B R., P.E. Rieke, T.A. Nikolai, D.E. Karcher, J.R. Crum, R.M. Sallenave, and R.N. Calhoun. 1999. The sloping green: Effect of rootzone material and depth on moisture retention in USGA putting greens. 69th Ann. Mich. Turfgrass Conf. Proc. 28: 148-152.
- Rogers, J.N. III, D.E. Karcher, T.A. Nikolai, P.E. Rieke, O. Schabenberger, and J.A. Hardy. 1999. Turfgrass research for high trafficked areas. 69th Ann. Mich. Turfgrass Conf. Proc. 28: 38-52.
- Rieke, P.E., T.A. Nikolai, and D.E. Karcher. 1999. Turfgrass soil management research-1998. 69th Ann. Mich. Turfgrass Conf. Proc. 28: 7-12.
- Nikolai, T.A. and P.E. Rieke. 1998. Golf spike alternative survey. *Through The Green*. September/October: 10, 34.
- Nikolai, T.A. and P.E. Rieke, 1998. 8 mm metal spikes get failing marks. *Golf Course Management*. 66 (2): 49-55.
- Nikolai T.A., P.E. Rieke, and N.T. McVay. 1998. Leaf mulch forum: Research and real world techniques. 68th Ann. Mich. Turfgrass Conf. Proc. 27: 66-68.
- Rieke P.E, T.A. Nikolai, D.E. Karcher, and N.T. McVay. 1998. Turfgrass soil management research report-1997. 68th Ann. Mich. Turfgrass Conf. Proc. 27: 22-38.
- Nikolai, T.A. and P.E. Rieke. 1997. Troubles with tree leaves? Turfgrass to the rescue! *Golf Course Management* 65 (8): 90-98.
- Nikolai, T.A., P.E. Rieke, J.N. Rogers III, B.E. Leach, and M. Smucker. 1997. Some pretty cool things about lightweight green rolling. 67th Ann. Mich. Turfgrass Conf. Proc. 26: 110-114.
- Rieke P.E, T.A. Nikolai, B. Leach, M. Smucker, and D. Roth. 1997. Turfgrass soil management research report-1996. 67th Ann. Mich. Turfgrass Conf. Proc. 26: 20-30.
- Nikolai, T.A., P.E. Rieke, B.E. Branham, R.N. Calhoun, D.M. Roth and P.Grow. 1996. The effects of mulching tree leaves in Kentucky bluegrass. 66th Ann. Mich. Turfgrass Conf. Proc. 25: 147-159.
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- Rieke P.E., T.A. Nikolai, D. Roth, C.E. Kome, and D. Karcher. 1995. Turfgrass soil management research report-1994. 65th Ann. Mich. Turfgrass Conf. Proc. 24: 3-13.
- Nikolai, T.A., P.E. Rieke, B.E. Branham, D.W. Lickfeldt, and R.N. Calhoun. 1994. Mulching tree leaves into Kentucky bluegrass turf - an update. 64th Ann. Mich. Turfgrass Conf. Proc. 23: 169-175.
- Rieke P.E., T.A. Nikolai, L. Cunnington, and D. Roth. 1994. Turfgrass soil management research report-1993. 64th Ann. Mich. Turfgrass Conf. Proc. 23: 15-25.
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- Saffel, M.T., P.E. Rieke, and T.A. Nikolai. 1992. Using time domain reflectometry for irrigation. 62nd Ann. Mich. Turfgrass Conf. Proc. 21: 177-181.
- Rieke P.E., M.T. Saffel, J.A. Murphy, T.A. Nikolai, and C. Miller. 1992. Turfgrass soil management research report – 1991. 62nd Ann. Mich. Turfgrass Conf. Proc. 21: 7-28.
- Rogers, J.N., T.A. Nikolai, and J.A. Rea. 1992. The effect of plant growth regulators on putting green speed and quality. 62nd Ann. Mich. Turfgrass Conf. Proc. 21: 3-6.

ABSTRACTS

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- Hathaway, Aaron; Nikolai, Thomas A., Frank, Kevin W. 2016. Increasing both aesthetic value and playability in secondary roughs on golf courses. ASA, CSSA, and SSSA International Annual Meetings [2016] p. 100865.
- Green, Thomas Okada; Rogers, John N. III; Nikolai, Thomas A.; Vargas, Joseph M.; Crum, James R. 2013. A combination of lightweight rolling and sand topdressing programs to decrease pesticide inputs and enhance fairway turfgrass quality. *ASA, CSSA and SSSA Annual Meetings* [2013]. p. 81781.
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- Johansen, Rachel; Benveniste, Elise; Gasteyer, Stephen; Nikolai, Thomas. Turfgrass as a catalyst for social sustainability in an urban setting 2012. *ASA, CSSA and SSSA Annual Meetings* [2012]. p. 75017.
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- Nikolai, T.A., P.E. Rieke, J.N. Rogers III, and J.M. Vargas. 1996. Three soils and a lightweight greens roller. 1996 Annual Meeting Abstracts. 88: 148.

ABSTRACTS *(continued)*

- Nikolai, T. A. and P.E. Rieke. 1995. The effects of mulching tree leaves into Kentucky bluegrass. 1995 Annual meeting Abstracts. 87:
Saffel, M.T., P.E. Rieke, and T.A. Nikolai. 1992. Turfgrass irrigation scheduling using time domain reflectometry. Agronomy Abstracts. 84: 175.

INTERNATIONAL PRESENTATIONS

- The ABC's of Putting Green Maintenance. Virtual live to the Canadian Golf Course Superintendents Association, March 3, 2022
The Dirt on Soils. Virtual live to the Canadian Golf Course Superintendents Association, March 2, 2022
The ABC's of Putting Green Maintenance. Greenkeeper University. Six pre-recorded lectures and three one-hour discussion sessions From November 29 - December 10, 2021
I Got Issues – Let's Talk BMP. Canadian Golf Course Superintendents Association, March 4 2021
The ABC's of Putting Green Maintenance. Greenkeeper University. Six pre-recorded lectures and three one-hour discussion sessions on December 3, 10, & 17 2020
The A, B, C's of putting green maintenance. Asian Golf Industry Federation Sustainability Series - Turf Management." (virtual) October 22, 2020
I got issues: show me the data. Irish Links Initiative. (virtual). July 29, 2020
The impact of putting green management on visible wear caused by golf cleat designs. November 14, 2018. The Slovenian Greenkeeper's Conference 20 Days of Education. Ljubljana, Slovenia.
The A, B, C,'s of golf course maintenance. November 13, 2018. The Slovenian Greenkeeper's Conference 20 Days of Education. Ljubljana, Slovenia.
The A, B, C,'s of golf course maintenance. November 12, 2018. 84 Meeting Nazionale, Golf Club Paradiso del Gardia - Lunedi 12 Italy.
Smoothness, trueness, and the role of research. August 22, 2018. The Leading Edge Series. Castle Stuart Golf Links, Inverness, Scotland
Smoothness, trueness, and the role of research. May 3, 2018. The Leading Edge Series. Le Golf National, Paris, France
The A, B, C,'s of golf course maintenance. September 13, 2017. The Leading Edge Series. Castle Stuart Golf Links, Inverness, Scotland.
A Potpourri of Cultural Golf Course Management Practices. April 4, 2017. Morris Building St. Andrews Links, St. Andrews Scotland
Revolution research at Michigan State University. January 16, 2017. Aquatrols/Farmura Education Day. Harrogate, England
The value of organic fertilizers in today's turf. January 16, 2017. Aquatrols/Farmura Education Day. Harrogate, England
The A, B, C's of golf course maintenance. September 21, 2016. The Leading Edge Series. Castle Stuart Golf Links, Inverness, Scotland
Counterintuitive results: proving myself wrong time and again. March 8, 2016. Emirates Golf Club. Dubai, United Arab Emirates
The A, B, C's of golf course maintenance. March 6, 2016. The Leading Edge Desert Series. Emirates Golf Club. Dubai, United Arab Emirates
The A, B, C's of golf course maintenance. January 20, 2016. The Ottawa Valley Turfgrass Association Winter Conference. Ottawa, Ontario, Canada
The top 10 reasons to roll Part II. January 20, 2016. The Ottawa Valley Turfgrass Association Winter Conference. Ottawa, Ontario, Canada

INTERNATIONAL PRESENTATIONS *(continued)*

- The top 10 reasons to roll Part I. January 20, 2016. The Ottawa Valley Turfgrass Association Winter Conference. Ottawa, Ontario, Canada
- The A, B, C's of golf course maintenance. November 11, 2015. Danish Greenkeepers Association. North Jutland, Denmark
- The top 10 reasons to roll. November 11, 2015. Danish Greenkeepers Association. North Jutland, Denmark
- The A, B, C's of golf course maintenance. October 23, 2015. Austrian Greenkeepers Association Annual Conference 2015. Schladming, Styria, Austria
- The top 10 reasons to roll. October 22, 2015. Austrian Greenkeepers Association Annual Conference 2015. Schladming, Styria, Austria
- Counterintuitive results: proving myself wrong time and again. October 6, 2015. Industry Education Event at KUNETICKA HORA Golf Resort. Pardubice, Czech Republic
- The A, B, C's of golf course maintenance. October 1, 2015. The Leading Edge Series. Castle Stuart Golf Links, Inverness, Scotland
- Counterintuitive results: proving myself wrong time and again. September 30, 2015. The Leading Edge Series. Castle Stuart Golf Links, Inverness, Scotland
- Reestablishment Techniques & Research Following the Polar Vortex of 2013/14. January 28-30, 2015 Ontario Golf Course Management Conference and Trade Show. Niagara Falls, Ontario, Canada
- Golf Course Maintenance in the 21st Century (Part 2). October 29, 2014. CIMB PGA Volunteer & Education Programme, Kuala Lumpur Golf & Country Club, Kuala Lumpur, Malaysia
- Golf Course Maintenance in the 21st Century (Part 1). October 28, 2014. CIMB PGA Volunteer & Education Programme, Kuala Lumpur Golf & Country Club, Kuala Lumpur, Malaysia
- Green speeds: perceptions, reality, and what influences them. July 9, 2014. St. Andrews Golf Club, St. Andrews Scotland
- Green speeds: perceptions, reality, and what influences them. July 9, 2014. Castle Stuart Golf Links, Inverness, Scotland
- Are there benefits to rolling athletic fields? February 18, 2014. Vancouver, BC, Canada. 2014 Canadian International Turfgrass Conference & Trade Show
- Green speed discussion. February 18, 2014. Vancouver, BC, Canada. 2014 Canadian International Turfgrass Conference & Trade Show
- Green speed management update. February 17, 2014. Vancouver, BC, Canada. 2014 Canadian International Turfgrass Conference & Trade Show
- Putting green management. June 30, 2013. Jacobsen Educational Series. Kings Island Country Club, Hanoi, Viet Nam.
- Putting green management. June 28, 2013 Jacobsen Educational Series. Vietnam Golf and Country Club, Ho Chi Minh City, Viet Nam
- The top 10 changes in golf course maintenance in the past 25 years. June 26, 2013. 29th Australian Turfgrass Conference. Twin Waters, Queensland, Australia
- Environmental stewardship in the green industry. June 26, 2013. 29th Australian Turfgrass Conference. Twin Waters, Queensland, Australia
- Balancing budgets, turfgrass health, and customer satisfaction. June 24, 2013. 29th Australian Turfgrass Conference. Twin Waters, Queensland, Australia
- Balancing budgets, turfgrass health, and customer satisfaction. June 19, 2013. Harewood Golf Club, Christchurch, New Zealand
- Current research on achieving greenspeed uniformity. June 18, 2013. Claudelands Conference & Exhibition Centre. New Zealand Turf Conference and Trade Show. Hamilton, New Zealand

INTERNATIONAL PRESENTATIONS *(continued)*

- Balancing budgets, turfgrass health, and customer satisfaction. June 17, 2013. Claudelands Conference & Exhibition Centre. New Zealand Turf Conference and Trade Show. Hamilton, New Zealand
- Speed kills: communication strategies for your members. June 17, 2013. Claudelands Conference & Exhibition Centre. New Zealand Turf Conference and Trade Show. Hamilton, New Zealand
- On the tee. MGS Horticultural Inc. Education Day. March 19, 2013. Leamington, Ontario, Canada
- The Ryder Cup Q & A Session. The BIGGA Turf Managers Exhibition. January 22 2013. Harrogate, England
- Managing for green speed. The BIGGA Turf Managers Exhibition. January 22, 2013. Harrogate, England
- 60 minutes of surfactants. The BIGGA Turf Managers Exhibition. January 21, 2013. Harrogate, England
- The top 10 reasons to lightweight roll. The BIGGA Turf Managers Exhibition. January 21, 2013. Harrogate, England
- The A,B,C's of putting green maintenance. The BIGGA Turf Managers Exhibition. January 20, 2013. Harrogate, England
- Green speed and the law of diminishing returns. 20th Annual German Greenkeeper Association (GVD) Conference. October 24-28, 2012. Kassel, Germany
- Balancing budgets, turfgrass health, and customer satisfaction. Greenkeepers Association of Belgium Fall Seminar. October 23, 2012. Brussels, Belgium
- Balancing budgets, turfgrass health, and customer satisfaction. Netherlands Greenkeepers Association Fall Seminar. Amsterdam, Netherlands. October 22, 2012
- Turfgrass and the environment. 2012 Ontario Golf Course Management Conference and Trade Show. January 18-20, 2012. Niagara Falls, Ontario, Canada
- Balancing budgets, turfgrass health, and customer satisfaction. November 10, 2011. Barclays Singapore Open Sentosa Golf Course Staff Seminar. Singapore, Singapore.
- Turfgrass and the Environment. 17th Annual Golf Course Property Manager's Conference, November 27-29, 2011. Capri Center Red Deer, Alberta, Canada.
- The A, B, Cs of Golf Course Management. 17th Annual Golf Course Property Manager's Conference, November 27-29, 2011. Capri Center Red Deer, Alberta, Canada.
- Taking control of green speed. Maquiver S. A. Greenskeeper Conference. 18-19 July 2011. Bogota, Columbia
- The top 10 reasons to lightweight roll. Maquiver S. A. Greenskeeper Conference. 18-19 July 2011. Bogota, Columbia
- Managing putting greens for customer satisfaction. Maquiver S. A. Greenskeeper Conference. 18-19 July 2011. Bogota, Columbia
- Turfgrass and the environment. 2011 Canadian International Conference and Tradeshow. March 4-8, 2011 Vancouver Convention Centre, Vancouver, British Columbia, Canada
- IPM on the Golf Course 2011 Canadian International Conference and Tradeshow. March 4-8, 2011 Vancouver Convention Centre, Vancouver, British Columbia, Canada
- IPM on the golf course. 2011 Ontario Golf Course Management Conference & Trade Show. January 12-14, 2011 Windsor, Ontario Canada
- Managing putting greens for customer satisfaction. Portuguese Golf Course Superintendents Association 2-4 December 2010, Curia, Portugal
- Top ten reasons to lightweight roll. Portuguese Golf Course Superintendents Association 2-4 December 2010, Curia, Portugal

INTERNATIONAL PRESENTATIONS *(continued)*

- Green speed forum: taking control of green speed. 26th Australian Golf Course Superintendents Association 21- 24 June 2010 Brisbane, Australia
- Sports field troubleshooting: research and the real world. 26th Australian Golf Course Superintendents Association 21- 24 June 2010 Brisbane, Australia
- Balancing your budget, turfgrass health, and customer satisfaction. 26th Australian Golf Course Superintendents Association 21- 24 June 2010 Brisbane, Australia
- IPM on the golf course. 47th Annual Western Canada Turfgrass Association Conference & Trade Show. January 31st to Wednesday, February 3rd, Nanaimo, British Columbia, Canada.
- Sportsfield troubleshooting: research and the real world. 47th Annual Western Canada Turfgrass Association Conference & Trade Show. January 31st to Wednesday, February 3rd, Nanaimo, British Columbia, Canada.
- Cultural and mechanical practices used on the golf course. Manitoba Golf Course Superintendents Association. Winnipeg, Manitoba, November 29, 2009
- Taking control of green speed. 2008 Swedish Greenkeepers Association Conference. 12 March 2008 Eskilstuna, Sweden
- Balancing Budget, Turfgrass Health, and Customer Satisfaction. 19th Annual OSC/Nutrite Professional Turfgrass Seminar. November 28, 2007 Waterloo, Ontario, Canada
- Taking control of green speed. 19th Annual OSC/Nutrite Professional Turfgrass Seminar. November 28, 2007 Waterloo, Ontario, Canada
- Taking control of green speed. CGSA/ACSG 58th Annual International Turfgrass Conference and Trade Show. March 3, 2007 Montreal, Quebec, Canada
- Taking control of green speed. December 11, 2006 Calgary, Alberta Canada
- What is IPM? Atlantic Turfgrass Conference & Trade Show. March 22, 2006 St. John, New Brunswick, Canada
- Measuring your success with green speed. Atlantic Turfgrass Conference & Trade Show. March 21, 2006 St. John, New Brunswick, Canada
- Green speed and the law of diminishing returns. The Kent Essex Greenkeepers' Society Annual Educational Day. March 9, 2006 Windsor, Ontario, Canada
- Measuring your success as a golf course superintendent. 11th Annual Property Manager's Conference November 28th, 2005 Red Deer, Alberta, Canada
- Taking control of green speed. 11th Annual Property Manager's Conference November 27th, 2005 Red Deer, Alberta, Canada
- Taking control of green speed. 27th Symposium Association of Spanish GreenKeepers. November 18, 2005 Vigo, Galicia, Spain
- Taking control of green speed. April 7, 2005 Canadian Seminar Series of the Canadian Golf Superintendents Association. Monkton, New Brunswick, Canada
- Lightweight Rolling: Not Just for Green Speed. Golfclub Herzog Tassilo May 27, 2004. Bad Hall, Austria.
- Lightweight Rolling: Not Just for Green Speed. May 26, 2004. Konstanz, Germany.
- Lightweight Rolling: Not Just for Green Speed. Golfclub Hitfeld Seevetal May 24, 2004. Hamburg, Germany.
- The effects of rolling and fertility on different root zones. Multitynes Turf Products Winter Seminar. March 25, 2004. Toronto, Canada.
- Turfgrass and rolling responses to lightweight rolling on putting green root zone mixes. IXth International Turfgrass Research Conference. July 20, 2001. Toronto, Canada
- The impact of alternative spikes on putting greens: a survey. St. Eurach Land und Golfclub. Iffeldorf, Germany May 29, 1999
- The impact of alternative spikes on putting greens: a survey. Golfclub Worthsee e. V., Worthsee, Germany May 28, 1999.

INTERNATIONAL PRESENTATIONS *(continued)*

The impact of alternative spikes on putting greens: a survey. Golfclub Innsbruck Igls, Rinn., Austria May 27, 1999.

The impact of alternative spikes on putting greens: a survey. Golfclub Tutzing. Tutzing, Germany May 24, 1999.

PRESENTATIONS

Soil cultivation. MSU Turfgrass School, The Graduate Hotel, East Lansing, MI December 16, 2021

Cultural, mechanical, and chemical control of weeds in turfgrass. MSU Turfgrass School, The Graduate Hotel, East Lansing, MI December 14, 2021

The dirt on soils. MSU Turf School, The Graduate Hotel, East Lansing, MI, December 13, 2021

The mathematical argument for the discriminate need of fertilizer and pesticides in the 21st century. Ohio Turfgrass Foundation Conference & Show, Columbus, OH. December 7 2021

The mathematical argument for the discriminate need of fertilizer and pesticides in the 21st century. WWGCSA Turf and Landscape Pesticide Recertification. December 2021

The mathematical argument for the discriminate need of fertilizer and pesticides in the 21st century. WinField Pesticide Recertification program Minneapolis, MN November 18, 2021

The mathematical argument for the discriminate need of fertilizer and pesticides in the 21st century. Virtual live WinField United Academy October 28, 2021

Weed walk tour. MTF Field Day Hancock Turfgrass Research Center, August 11, 2021

Golf course herbicide and plant growth regulators research walk. MTF Field Day Hancock Turfgrass Research Center, August 11, 2021

Weed control strategies for lawns and athletic fields. MTF Field Day Hancock Turfgrass Research Center, August 11, 2021

The mathematical argument for the discriminate need of fertilizer and pesticides in the 21st century. Everglades GCSA Spring Symposium, Naples, FL. April 15, 2021

The Turfgrass Talk Show. GCSAA Virtual recorded. February 2021

The history of pesticides. Arkansas Turfgrass Association Meeting (Virtual live) January 27, 2021

The top 10 reasons to lightweight roll. Arkansas Turfgrass Association Meeting (Virtual live) January 26, 2021

The A, B, Cs of Putting Green Maintenance. Utah Golf Course Superintends Association (virtual) November 12, 2020.

I got issues: let's talk BMP. Everglades Golf Course Superintends Association 28th Annual Spring Turfgrass Symposium. Naples, FL. virtual July 14, 2020.

Turfgrass Talk Show Host Monologue/MTF/MSU/Research Update. MiGCSA Spring Meeting Greektown Casino, Detroit, MI February 26, 2020

Turfgrass and the environment. Hoosier GCSA Spring Meeting, Pine Valley C.C. Fort Wayne, IN, February 25, 2020

Cultural and mechanical practices update. Hoosier GCSA Spring Meeting, Pine Valley C.C. Fort Wayne, IN. February 25, 2020

Taking control of Green Speed/Irrigation: Science, art, and measure. Michiana Spring Meeting Four Winds Casino New Buffalo, MI on February 24, 2020.

Taking control of green speed. Illinois Turfgrass Foundation Turf Conference, Chicago, IL February 18, 2020

PRESENTATIONS *(continued)*

- Cultural and mechanical practices update. Illinois Turfgrass Foundation Turf Conference, Chicago, IL February 18, 2020
- Soil Science Simplified. NYSTA Central Regional Conference, Turning Stone Casino, Verona, NY Feb 13, 2020.
- Cultural & mechanical practices that reduce chemical inputs. NYSTA Central Regional Conference, Turning Stone Casino, Verona, NY Feb 13, 2020.
- Turfgrass Talk Show Host, Irrigation in the 21st Century. Golf Industry Show, Orlando, FL January 27, 2020
- Everything I know about weeds in 120 minutes or less. 2020 Michigan Turfgrass Conference, East Lansing, MI January 8, 2020
- Heavy metal, weed, and speed. 2020 Michigan Turfgrass Conference, East Lansing, MI January 7, 2020
- History of pesticides. Golf Course Turf Pest Management Workshop, Town & Country Club, St. Paul, MN November 21, 2019
- Turfgrass and the environment. STMA Grandville Field Day. Grandville High School, Grandville, MI October 8, 2019
- Putting green maintenance and the law of diminishing returns. Reinders 24th Green Industry Conference, Pewaukee, WI March 14, 2019
- Putting green firmness: best management practices to achieve and maintain. Reinders 24th Green Industry Conference, Pewaukee, WI March 14, 2019
- Highlights from the history of turfgrass nutrient carriers. NYSTA Adirondack Regional Conference, Lake Placid, NY March 13, 2019
- The top 10 reasons to lightweight roll. 31st Annual Northern Great Lake GCSA Conference, Minocqua, Wisconsin, February 27, 2019
- The A, B, Cs of putting green maintenance. 31st Annual Northern Great Lake GCSA Conference, Minocqua, Wisconsin, February 27, 2019
- Turfgrass Talk Show Host, You did what? Golf Industry Show, San Diego, CA, February 4, 2019
- Lawncare success and failures. 2019 Michigan Turfgrass Conference, East Lansing, MI January 24, 2019
- Golf course research update. 2019 Michigan Turfgrass Conference, East Lansing, MI January 24, 2019
- The turfgrass talk show: who is your customer? 2019 STMA Conference & Exhibition, Phoenix Convention Center, January 22, 2019, Phoenix, AZ
- The brief yet complete history of pesticides. Indiana Green Expo, Indianapolis, IN January 11, 2019
- The top 10 reasons to lightweight roll. Indiana Green Expo, Indianapolis, IN January 11, 2019
- The social and environmental impact of turfgrass in an urban setting. Indiana Green Expo, Indianapolis, IN January 11, 2019
- Managing turf to meet expectations. 53rd Annual Conference & Trade Show, Murfreesboro, TN January 7, 2019
- Common links. Golfdom Summit, Reunion Resort Kissimmee, Fl. December 4, 2018
- Everything has its place: a fertilizer story and more. West Texas Golf Course Superintendents Association Meeting. Lubbock, TX. October 30, 2018
- Turfgrass and the environment. North Texas Golf Course Superintendents Association Meeting. Dallas, TX. September 27, 2018
- Turfgrass weed management: fundamentals and concerns. DENTCO DeWitt, MI. July 31, 2018.
- Who is your source of information? April 12, 2018. EGCSA 26th Annual Spring Symposium. Naples, FL

PRESENTATIONS *(continued)*

- Brief highlights from the history of nutrient carriers. Grigg Brothers University. San Antonio, TX Feb 6, 2018
- The Turfgrass Talk Show: Research or word of mouth? Who is your source of information? Golf Industry Show, San Antonio, TX. February, 3, 2018
- 2017 Rapid-fire research update. 2018 Michigan Turfgrass Conference, East Lansing, MI January 5, 2018
- Practical practices that promote turfgrass health. WinField Lunch & Learn. Kyle, Texas December 18, 2017
- Practical practices that promote turfgrass health. WinField Lunch & Learn. Lubbock, Texas October 31, 2017
- Counterintuitive results that are worth knowing. Northwest GCSA Turfgrass Expo 2017. Coeur d'Alene, Idaho October 16, 2017
- Cultural and mechanical practices: what really works & what does not. Northwest GCSA Turfgrass Expo 2017. Coeur d'Alene, Idaho October 16, 2017
- Practical practices that promote turfgrass health. WinField Lunch & Learn. Cabela's in Lone Tree, CO. September 28, 2017
- History of pesticides & cultural and mechanical practices that maximize turfgrass health. WinField Lunch and Learn. Dalton Ranch Golf Club, Durango, CO April 19, 2017.
- The true cost of green speeds – The death march to 14. 71st American Society of Golf Course Architects Annual Meeting. Jupiter, FL May 20, 2017.
- Brief history of pesticide regulations. Vegetation Management Conference MDOT Operations Field Services/Roadside. Lansing, MI April 10, 2017.
- Turfgrass and the environment. WinField Academy Lunch and Learn Event. Ironbridge Country Club, Glenwood Springs, CO April 19, 2017.
- Putting green maintenance. WinField Academy Lunch and Learn Event. MegaPlex Theaters, Centerville, UT March 15, 2017.
- Soil Science in regard to physical properties & nutrition
. Oregon STMA Membership Drive University of Portland, Portland, or March 7, 2017
- History of pesticides & Cultural and mechanical practices that minimize their use. Oregon STMA Membership Drive University of Portland, Portland, or March 7, 2017
- The top 10 reasons to lightweight roll. Sierra Pacific Turf Supply's 2017 Spring Symposium. Cache Creek Casino and Resort, Brooks, CA March 3, 2017
- Turfgrass and the environment. SiteOne University, Peoria, IL February 23, 2017
- Top 10 reasons to lightweight roll. SiteOne University, Peoria, IL February 23, 2017
- ABC's of putting green maintenance. SiteOne University, Peoria, IL February 23, 2017
- Turfgrass and the environment. SiteOne University, St. Louis MO February 16, 2017
- Top 10 reasons to lightweight roll. SiteOne University, St. Louis MO February 16, 2017
- ABC's of putting green maintenance. SiteOne University, St. Louis MO February 16, 2017
- Turfgrass and the Environment. 2017 Michigan Turfgrass Conference, East Lansing, MI January 5, 2017
- Turfgrass IPM programs and research update. 2017 Michigan Turfgrass Conference, East Lansing, MI January 3, 2017
- The A B C's of golf course maintenance. Oregon Golf Course Superintendents Pesticide Conference, Portland, Oregon December 7, 2016
- The history of pesticides and turfgrass research update. Oregon Golf Course Superintendents Pesticide Conference Portland Oregon. December 7, 2016
- The history of pesticides and turfgrass research update 2016 Part II. November 7, 2016 WinField Educational Seminars. Kyle, TX

PRESENTATIONS *(continued)*

- The history of pesticides and turfgrass research update 2016 Part I. November 7, 2016
WinField Educational Seminars. Kyle, TX
- The history of pesticides and turfgrass research update 2016 Part II. October 13, 2016
WinField Educational Seminars. Tulsa, OK
- The history of pesticides and turfgrass research update 2016 Part I. October 13, 2016
WinField Educational Seminars. Tulsa, OK
- The history of pesticides and turfgrass research update 2016 Part II. October 11, 2016
WinField Educational Seminars. Oklahoma City, OK
- The history of pesticides and turfgrass research update 2016 Part I. October 11, 2016
WinField Educational Seminars. Oklahoma City, OK
- The history of pesticides and turfgrass research update 2016. WinField Educational
Seminars. Lubbock, TX
- 2016 Mechanical and cultural practice update. October 24, 2016. WinField Educational
Seminars. Lubbock, TX
- Cultural and mechanical practices that have an impact on turfgrass health. September 28, 2016
WinField Educational Seminars. Dallas TX
- Cultural and mechanical practices that have an impact on turfgrass health. September 15, 2016
WinField Educational Seminars. Peoria, IL
- Turfgrass & the environment: minimizing surface and groundwater contamination. May 3, 2016
WinField Educational Seminars. Orlando, FL.
- Cultural and mechanical practices that have an impact on turfgrass health. May 3, 2016
WinField Educational Seminars. Orlando, FL
- The History of Pesticides in the USA. April 21, 2016. 2016 ECGCSA Annual Spring
Symposium. Naples, FL
- Lawn Care Management Potpourri February 17, 2016. Michigan Green Industry Association
Winter Conference. . Bingham Farms, MI
- Turfgrass & the environment: minimizing surface and groundwater contamination. January 7,
2016 4th Annual WinField Educational Seminars. Seattle WA
- Cultural and mechanical practices that have an impact on turfgrass health. January 7, 2016 4th
Annual WinField Educational Seminars. Seattle WA
- 2015 Turfgrass Research Update. 2016 Michigan Turfgrass Conference, East Lansing, MI
January 5, 2016
- Cultural and mechanical practices that have an impact on turfgrass health. October 15, 2015 4th
Annual WinField Educational Seminars. Tulsa, OK
- Turfgrass & the environment: minimizing surface and groundwater contamination. September 24,
2015 4th Annual WinField Educational Seminars. Minneapolis, MN
- Cultural and mechanical practices that have an impact on turfgrass health. September 24, 2015 4th
Annual WinField Educational Seminars. Minneapolis, MN
- Turfgrass & the environment: minimizing surface and groundwater contamination. August 27,
2015 4th Annual WinField Educational Seminars. Denver, CO
- Turfgrass & the environment: minimizing surface and groundwater contamination. August 13,
2015 4th Annual WinField Educational Seminars. Palm Beach, FL
- Cultural and mechanical practices that have an impact on turfgrass health. August 13, 2015 4th
Annual WinField Educational Seminars. Palm Beach, FL
- Turfgrass Potpourri. Southeast GM/Superintendent Meetings. Orlando, FL. May 11, 2015
- Turfgrass & the Environment. MGIA 28th Annual Trade Show & Convention.
Novi, MI. March 3, 2015
- Turfgrass Talk Show. GCSAA 86th International Golf Course Conference and Show.
San Antonio, Texas February 23, 2015

PRESENTATIONS *(continued)*

- Turfgrass Potpourri. February 11, 2015. Idaho GCSA Spring Meeting, Education, and Trade Show. Boise Idaho
- Turfgrass Talk Show. February 10, 2015. Idaho GCSA Spring Meeting, Education, and Trade Show. Boise Idaho
- Turfgrass & the Environment. February 10, 2015. Idaho GCSA Spring Meeting, Education, and Trade Show. Boise Idaho
- Turfgrass Talk Show. February 9, 2015. Aquatrols University. Lake Las Vegas, Las Vegas, Nevada
- Mechanical & Cultural Practices Update. February 3, 2015. North Central Turfgrass Association Fargo, North Dakota
- The Top 10 Reasons to Lightweight Roll. February 3, 2015. North Central Turfgrass Association Fargo, North Dakota
- Irrigation: maximizing water inputs. February 3, 2015. North Central Turfgrass Association Fargo, North Dakota
- The ABC's of Golf Course Maintenance. February 3, 2015. North Central Turfgrass Association Fargo, North Dakota
- The Turfgrass Talk Show. 2015 Michigan Turfgrass Conference, East Lansing, MI January 21, 2015
- Turfgrass Research Update. 2015 Michigan Turfgrass Conference, East Lansing, MI January 19, 2015
- Sustainability: methods to conserve resources & increase customer satisfaction. Oregon Golf Course Superintendents Pesticide Conference, Portland, Oregon December 3, 2014
- Turfgrass Pesticides, Fertilizers, & the Microenvironment. Oregon Golf Course Superintendents Pesticide Conference Portland Oregon. December 3, 2014
- Nutrition: Knowns & unknowns. October 23, 2014. 3rd Annual WinField Educational Seminars. Soaring Eagle Casino, Mt. Pleasant, MI
- Top 10 Reasons to Lightweight Roll. October 23, 2014. 3rd Annual WinField Educational Seminars. Soaring Eagle Casino, Mt. Pleasant, MI
- The A,B,C's of golf course maintenance. September 23, 2014. 3rd Annual WinField Educational Seminars. Denver, CO
- 2014 Putting green management update. Hi Lo Desert Chapter GCSA Conference. PGA West, La Quinta, CA May 14, 2014.
- Sustainability: methods to conserve resources & increase customer satisfaction. Everglades Golf Course Superintendents Association 22nd Annual Spring Symposium. April 17, 2014. Naples, FL
- Turfgrass and Our Environment: Research on pesticides and IPM practices. Wilbur-Ellis University Spring 2014. San Jose, CA March 27, 2014
- Turfgrass and Our Environment: Research on pesticides and IPM practices. Wilbur-Ellis University Spring 2014. Navato, CA March 26, 2014
- Turfgrass and Our Environment: Research on pesticides and IPM practices Part II. Wilbur-Ellis University Spring 2014. Elk Grove, CA March 25, 2014
- Turfgrass and Our Environment: Research on pesticides and IPM practices Part I. Wilbur-Ellis University Spring 2014. Elk Grove, CA March 25, 2014
- Turfgrass Talk Show. GCSAA 85th International Golf Course Conference and Show. Orlando, Florida, February 3, 2014
- The top 10 changes in golf course management in the past 25 years. Grigg Brothers University, Orlando, Florida, February 4, 2014.
- X files: practicing prevention to avoid the cure. GCSAA 85th International Golf Course Conference and Show. Orlando, Florida, February 4, 2014

PRESENTATIONS *(continued)*

- Behind center distance and more. 2014 Michigan Turfgrass Conference, East Lansing, MI
January 21, 2014
- Turfgrass Talk Show. 2014 Michigan Turfgrass Conference, East Lansing, MI January 21, 2014
- Turfgrass and the environment. Oregon Golf Course Superintendents Pesticide Conference,
Portland, Oregon. December 11, 2013.
- Putting green management: cultural practice update. Oregon Golf Course Superintendents
Pesticide Conference, Portland Oregon. December 11, 2013
- The top 10 changes in golf course management in the past 25 years. Grigg Brothers University,
Desert Mountain Golf Course, Scottsdale, Arizona October 23, 2013
- On the tee: pesticide toxicity and how it has changed over the years and how to minimize risk to
non-target organisms. Everglades Golf Course Superintendents Association 21st Annual
Spring Symposium. April 18, 2013. Naples, FL
- The impact of turfgrass on society. Peaks & Prairies GCSA Almost Spring Meeting. March 4-5,
2013 Red Lion Colonial Hotel, Helena, Mont.
- The top 10 changes in turfgrass management in the past 25 years. Peaks & Prairies GCSA
Almost Spring Meeting. March 4-5, 2013 Red Lion Colonial Hotel, Helena, MT
- Turfgrass talk show. GCSAA 84th International Golf Course Conference and Show. 4-8
February 2013. San Diego, CA
- Agronomic solutions II: To roll or not to roll. GCSAA 84th International Golf Course Conference
and Show. 4-8 February 2013. San Diego, CA
- Turfgrass by the numbers. GCSAA 84th International Golf Course Conference and
Show. 4-8 February 2013. San Diego, CA
- Taking control of green speed. GCSAA 84th International Golf Course Conference and
Show. 4-8 February 2013. San Diego, CA
- Aerating residential landscapes. Great Lakes Trade Expo January 7-9, 2013. Devos Place, Grand
Rapids, MI
- 45 Minutes on water management. 37th New Jersey Green Expo Annual Turf & Landscape
Conference. December 4-6, 2012. Trump Taj Mahal, Atlantic City NJ
- Managing green speed. 37th New Jersey Green Expo Annual Turf & Landscape Conference.
December 4-6, 2012. Trump Taj Mahal, Atlantic City NJ
- Putting green cultural and mechanical control update. Everglades Golf Course Superintendents
Association 20th Annual Spring Symposium. April 5, 2012. Naples, FL
- Turfgrass talk show. GCSAA 83rd International Golf Course Conference and Show.
March 7, 2012. Las Vegas, Nevada
- The top 10 reasons to lightweight roll. Tru-Turf University. March 6, 2012. Las Vegas, Nevada
- Balancing budgets, turfgrass health, and customer satisfaction. Jacobsen International University.
March 6, 2012. Las Vegas, Nevada
- Turfgrass by the numbers. GCSAA 84th International Golf Course Conference and
Show. March 6, 2012. Las Vegas, Nevada
- Taking control of green speed. GCSAA 84th International Golf Course Conference and
Show. March 5, 2012. Las Vegas, Nevada
- Revitalizing and urban community with turfgrass. Great Lakes Trade Expo January 9-11, 2012.
Devos Place, Grand Rapids, MI
- Turfgrass talk show. Great Lakes Trade Expo January 9-11, 2012. Devos Place, Grand Rapids,
MI
- Best management practices for pesticides & fertilizers on turf. 24th Annual Michigan Green
Industry Association Trade Show and Novi in March Convention. March 1-2, 2011
- Taking control of green speed. GCSAA 82nd International Golf Course Conference and
Show. 7-11 February 2011. Orlando, FL

PRESENTATIONS *(continued)*

- Turfgrass by the numbers. GCSAA 82nd International Golf Course Conference and Show. 7-11 February 2011. Orlando, FL
- Why lightweight rolling decreases turfgrass disease. GCSAA 82nd International Golf Course Conference and Show. 7-11 February 2011. Orlando, FL
- The top 10 reasons to lightweight roll. 2011 Winter Seminar of the Connecticut Association of Golf Course Superintendents. January 18, 2011, Hawthorne Inn Berlin, Connecticut
- Irrigation: science, art, and measurement. 2011 Winter Seminar of the Connecticut Association of Golf Course Superintendents. January 18, 2011, Hawthorne Inn Berlin, Connecticut
- The social, economic, and environmental impact of turfgrass in an urban environment. Great Lakes trade Expo January 10-12, 2011. Devos Place, Grand Rapids, MI
- Athletic Fields: Research and the Real World. Great Lakes Trade Expo 2011 10-12 January, 2011. Devos Place, Grand Rapids, MI
- Turfgrass & the environment. The Association of Grand Rapids Landscape Professionals Fall/Winter Learning Series 5 November, 2010, Grand Rapids, MI
- Balancing budgets, turfgrass health, and customer satisfaction. 2010 Crystal Conference & Golf Classic, 3-4 November, 2010, Vernon, NJ
- 60 minutes on irrigation. Idaho Golf Course Superintendents Fall Meeting 5 October, 2010, Pocatello, ID
- Turfgrass and the environment. Idaho Golf Course Superintendents Fall Meeting 5 October, 2010, Pocatello, ID
- The top 10 reasons to lightweight roll. Idaho Golf Course Superintendents Fall Meeting 5 October, 2010, Pocatello, ID
- Balancing your budget, turfgrass health, and customer satisfaction. Green Start Academy 1 October, 2010, Clayton NC
- The top 10 reasons to lightweight roll. Northwest Turfgrass Association 64th Annual Turfgrass Conference 26-28 September, 2010 Walla Walla WA
- Turfgrass and the environment. Northwest Turfgrass Association 64th Annual Turfgrass Conference 26-28 September, 2010 Walla Walla WA
- The economic, environmental, and social impact of turfgrass on an urban society. CSS departmental seminar 23 September, 2010 East Lansing, MI
- Turfgrass potpourri. Everglades Golf Course Superintendents Association Turfgrass Spring Symposium. April 8, 2010. Naples, FL
- Putting green management. The 2010 Western Pennsylvania Turfgrass Conference and Tradeshow 25 February, 2010 Pittsburg PA
- Your 25-minute appointment with the Doctor of Green Speed. GCSAA 81st International Golf Course Conference and Show 9 February, 2010. San Diego, CA
- Taking control of green speed. GCSAA 81st International Golf Course Conference and Show 8 February, 2010. San Diego, CA
- Revitalizing an urban community with turfgrass. Great Lakes Trade Expo 2010 4-6 January, 2010. Devos Place, Grand Rapids, MI
- Balancing budgets, turfgrass health, and customer satisfaction. Rio Grande Golf Course Superintendents Association 15-16 November, 2009, Albuquerque New Mexico
- Green speed and the law of diminishing returns. Nebraska Green Expo 12-14 January, 2009. Council Bluffs, IA
- You can fool some the people some-of-the time but you can't fool me! Nebraska Green Expo 12-14 January, 2009. Council Bluffs, IA
- Turfgrass and the environment. The New 2008-2009 Winter Learning Series 11 December, 2008 Kent MSU Extension office Grand Rapids, MI

PRESENTATIONS *(continued)*

- Balancing budgets, turfgrass health, and customer satisfaction, Inland Empire Golf Course Superintendents Association Fall Meeting and Trade Show. 20-21 October, 2008
Coeur d' Alene, ID
- Green speed and the law of diminishing returns. Inland Empire Golf Course Superintendents Association Fall Meeting and Trade Show. 20-21 October, 2008
Coeur d' Alene, ID
- Balancing budgets, turfgrass health, and customer satisfaction. Green Start Academy 2 October, 2009, Clayton NC
- Green speed and the law of diminishing returns. Everglades Golf Course Superintendents Association 25 March, 2009 Naples, FL.
- Turfgrass and the environment. SEMNLA Spring Training for the Landscape Industry 10 March 2009. Bay Pointe Golf Club West Bloomfield Hills, MI
- IPM: more than pesticide safety; practices that really work. 2009 Western Pennsylvania Turf Conference and Trade Show 3-5 March, 2009 Pittsburgh, PA.
- Balancing budgets, turfgrass health, and customer satisfaction. 2009 Western Pennsylvania Turf Conference and Trade Show 3-5 March, 2009 Pittsburgh, PA.
- Taking control of green speed. GCSAA 80th International Golf Course Conference and Show. January 2009.
- Creeping bentgrass mowing & rolling frequency. 2008 University of Tennessee Turfgrass Research Field Day. 18 September 2008, Knoxville, TN
- BMP's in lawn/turf systems to minimize phosphorus loss. Collaborative solutions for reducing phosphorous in agricultural and urban wetlands. 10 July, 2008 East Lansing, MI
- Turfgrass potpourri. Michigan Green Industry Association 21st Annual Trade Show and Convention. 10 March 2008, Novi MI.
- Why not make your life easier? Peaks & Prairies GCSA Almost Spring Meeting. 3 March 2008 Helena, MT
- Green speed and the law of diminishing returns. Peaks & Prairies GCSA Almost Spring Meeting. 3 March 2008 Helena, MT
- Taking control of green speed. The 2008 Turfgrass Academy. 26 February 2008 Springfield, MO
- Taking control of green speed. The 2008 Turfgrass Academy. Topawingo National Golf Club, 25 February 2008 Sunset Hills Mo
- Taking control of green speed. The 2008 Turfgrass Academy. The Golf Center at Kings Island, 22 February 2008 Mason, OH
- Taking control of green speed. The 2008 Turfgrass Academy. Country Club of Hudson, 20 February 2008 Hudson, OH
- Taking control of green speed. The 2008 Turfgrass Academy. The Garrison Restaurant (The Fort), 15 February 2008, Indianapolis IN
- Taking control of green speed. The 2008 Turfgrass Academy. Shenandoah Country Club, 13 February 2008 West Bloomfield, MI
- Taking control of green speed. GCSAA 79th International Golf Course Conference and Show. 30 January 2008. Orlando, FL
- Taking control of green speed. Minnesota Green Expo. 10 January 2008 Minneapolis, MN
- Why not make you life easier? 2008 Eastern Pennsylvania Turfgrass Conference and Trade Show, 9 January 2008 King of Prussia, PA
- Green speed and the law of diminishing returns. 2008 Eastern Pennsylvania Turfgrass Conference and Trade Show, 9 January 2008 King of Prussia, PA
- MTF Research Update 2007. Michigan Nursery and Landscape Association Conference 7 January 2008 Grand Rapids, MI

PRESENTATIONS *(continued)*

- Balancing Budget, Turfgrass Health, and Customer Satisfaction. Kentucky Turfgrass Council 2007 Conference and Show 24 October 2007 Bowling Green, KY
- Green speed and the law of diminishing returns. Idaho Golf Course Superintendents Fall Meeting. 16 October, 2007 McCall, ID
- Taking control of green speed. Idaho Golf Course Superintendents Fall Meeting. 16 October, 2007 McCall, ID
- Sand topdressing incorporation techniques. 55th Annual Florida Turfgrass Golf Association Conference and Show 13 September, 2007 Bonita Bay, FL
- Green speed and the law of diminishing returns. 55th Annual Florida Turfgrass Golf Association Conference and Show 12 September, 2007 Bonita Bay, FL
- Taking control of green speed. Reinders' 18th Turf & Irrigation Conference 14 March, 2007 Waukesha, WI
- Effects & benefits of rolling golf course greens. Reinders' 18th Turf & Irrigation Conference 14 March, 2007 Waukesha, WI
- Taking control of green speed. GCSAA 78th International Golf Course Conference and Show. February, 2007. Anaheim, CA
- Defining IPM and some techniques that really work. Ohio Turfgrass Foundation 2006 conference and show. December 5-7, 2006.
- Taking control of green speed. Ohio Turfgrass Foundation 2006 conference and show. December 5-7, 2006.
- Rolling your way to disease free greens. Illinois Professional Turf Conference. November 28-30, 2006. St. Charles, IL
- Defining IPM and some techniques that work. Southwest Turfgrass Conference and Trade Show. October 10-12, 2006 Ruidoso, New Mexico.
- Green speed and the law of diminishing returns. Southwest Turfgrass Conference and Trade Show. October 10-12, 2006 Ruidoso, New Mexico.
- Measuring your success as a golf course superintendent. Southwest Turfgrass Conference and Trade Show. October 10-12, 2006 Ruidoso, New Mexico.
- Taking control of green speed. The 9th Annual New England Regional Turfgrass Conference & Show. March 6, 2006 Providence, R.I.
- Green speed and the law of diminishing returns. North Central Turf Grass Association 21st Annual Conference & Trade Show. February 22nd, 2006 Fargo, ND.
- Measuring your success as a golf course superintendent. North Central Turf Grass Association 21st Annual Conference & Trade Show. February 21st, 2006 Fargo, ND.
- Green speed: a method of measuring & communicating the condition of the game to your clientele. GCSAA 77th International Golf Course Conference and Show February 10, 2006. Atlanta, GA.
- Taking control of green speed. GCSAA 77th International Golf Course Conference and Show. February 8, 2006. Atlanta, GA.
- Green speed and the law of diminishing returns. John Deere International Sales Conference. February 7, 2006, Atlanta, GA.
- Green speed and the law of diminishing returns. The 72nd Annual Iowa Turfgrass Conference February 1, 2006 Des Moines, Iowa
- Measuring your success as a golf course superintendent. The 72nd Annual Iowa Turfgrass Conference. February 1, 2006 Des Moines, Iowa
- Taking control of green speed. 10th Annual Heart of America Golf & Turf Conference. January 11, 2006 Overland Park, KS.
- Taking control of green speed. 76th Annual Michigan Turfgrass Conference. January 8, 2006. Grand Rapids, MI.

PRESENTATIONS *(continued)*

- Taking control of green speed. John Deere Sales Representatives Conference. January 6, 2006. Raleigh, NC
- What is IPM? Michigan Green Industry Association Winter Conference January 5, 2006
Novi MI.
- Turfgrass nutrition for your lawn: carriers & calibration. MSUE AmeriCorps presentation
December 5, 2005. East Lansing, MI.
- Taking control of green speed. Carolinas Golf Course Superintendents Association Nov. 15,
2005. Myrtle Beach, SC.
- Taking control of green speed. Ski & Learn Symposium March 5-6, 2005 Crystal Mountain
Resort, Thompsonville, MI
- Lightweight rolling: not just for green speed. South Dakota Superintendents Association March
2, 2005. Sioux Falls SD
- Green speed and the law of diminishing returns. South Dakota Superintendents Association
March 2, 2005. Sioux Falls SD
- 20-minutes on irrigation. GCSAA 76th International Golf Course Conference and
Show. February 12, 2005. Orlando, FL.
- Taking control of green speed. GCSAA 76th International Golf Course Conference and
Show. February 9, 2005. Orlando, FL.
- Taking control of green speed. GCSAA 76th International Golf Course Conference and
Show. February 8, 2005. Orlando, FL.
- Research update. 75th Annual Michigan Turfgrass Conference. January 19, 2005.
Lansing MI.
- Lawn diagnostics & cultural practices. Michigan Green Industry Association workshop August
26, 2004 Bloomfield Hills, MI.
- Effects of rolling and fertility on putting green root zones. Everglades Golf Course
Superintendents Association Turfgrass Spring Symposium. April 8, 2004. Naples, FL
- Taking control of green speed. GCSAA 75th International Golf Course Conference and
Show. February 11, 2004. San Diego, CA.
- Research update. 74th Annual Michigan Turfgrass Conference. January 21, 2004.
Lansing MI.
- Taking control of green speed. 74th Annual Michigan Turfgrass Conference. January 20, 2004.
Lansing MI.
- Turfgrass fertility II: fertilizer products and programs. 74th Annual Michigan Turfgrass
Conference. January 19, 2004. Lansing MI.
- Turfgrass fertility I: nutrients and environmental fate. 74th Annual Michigan Turfgrass
Conference. January 19, 2004. Lansing MI.
- Taking control of green speed. 38th Annual Tennessee Turfgrass Association Conference and
Show. January 12, 2004. Nashville TN.
- Everything you ever wanted to know about green speed, but didn't know who to ask. New York
State Turfgrass Association Turf and Grounds Exposition. Nov. 4, 2003. Rochester, NY.
- The Effects of Rolling & Fertility on Three Different Putting Green Root Zones. Oregon
Golf Course Superintendents Association. September 29, 2003. Bend, OR
- The Effects of Rolling & Fertility on Three Different Putting Green Root Zones. Northwest Ohio
Golf Course Superintendents Association. July 14, 2003. Toledo, OH.
- The Effects of Rolling & Fertility on Three Different Putting Green Root Zones. Mid-
Michigan Golf Course Superintendents Association Chapter Meeting, August 19, 2003.
- The Effects of Rolling & Fertility on Three Different Putting Green Root Zones. 2003 Mid-
Atlantic Association of Golf Course Superintendents Education Seminar. March 11,
2003. Baltimore, Maryland.

PRESENTATIONS *(continued)*

- Cultural Practices and Their Impact on Green Speed. GCSAA 74th International Golf Course Conference and Show. February 12, 2003. Atlanta, GA.
- Historical Significance of the Stimpmeter: Facts the Superintendent Must Be Able to Communicate to the Golfer. GCSAA 74th International Golf Course Conference and Show. February 12, 2003. Atlanta, GA.
- Rolling Research Update. 73rd Annual Michigan Turfgrass Conference. January 22, 2003. Lansing MI.
- Turfgrass Fertility. 73rd Annual Michigan Turfgrass Conference. January 20, 2003. Lansing MI.
- Long-term Effects of Fertilization, Rolling, and Topdressing on Three Green Rootzones. 37th Annual Tennessee Turfgrass Association Conference and Trade Show. January 7, 2003. Nashville, TN.
- Interpretation of Turfgrass Research Results. School of Turfgrass Management. December 11, 2002. East Lansing, MI.
- Green Speeds – Myth or Reality? Golf Association of Michigan Green Seminar. March 23, 2002. Detroit, MI.
- Lightweight Rolling: Not Just for Green Speed. GCSAA 73rd International Golf Course Conference and Show. February 9, 2002. Orlando FL.
- Addressing Century Old Concerns Regarding Lightweight Greens Rolling. 72nd Annual Michigan Turfgrass Conference. January 23, 2002. Lansing, MI.
- Turfgrass fertility. 71st Annual Michigan Turfgrass Conference. January 16, 2001. Lansing, MI.
- Interpretation of research results for the real world. 71st Annual Michigan Turfgrass Conference. January 15, 2001. Lansing, MI.
- Historical and current fertilizer management practices for golf course greens. Annual Michigan Turfgrass Field Day. August 2000. East Lansing, MI
- Historical and current fertilizer management practices for golf course greens. Golf Association of Michigan Day. June 2000. East Lansing, MI.
- Alternative spikes: heart and sole. GCSAA 71st International Golf Course Conference and Show. February 17, 2000. New Orleans, Louisiana.
- Turfgrass cultural practices report. 70th Annual Michigan Turfgrass Conference. January 18, 2000. Lansing, MI.
- The role of turfgrass in leaf litter disposal. 91st Annual American Society of Agronomy Meeting. October 1999. Salt Lake City, Utah.
- Green speed perception survey. Annual Michigan Turfgrass Field Day. August 1999. East Lansing, MI.
- Factors affecting green speed. Golf Association of Michigan Day. June 1999. East Lansing, MI.
- IPM theory and practice. 69th Annual Michigan Turfgrass Conference. January 21, 1999. Lansing, MI.
- Mowing tree leaves in turf. School of Turfgrass Management. December 1, 1998. East Lansing, MI.
- Observations about greens grown in three different root-zone mixes. 90th Annual American Society of Agronomy Meeting. October 1998. Baltimore, MA.
- Leaf mulch research in turf areas. 7th Annual Midwest Grounds Management Conference. August 5, 1998. Kalamazoo, MI.
- The latest and greatest of the non-metal spikes. Northern Michigan Turf Managers Association Mini-Conference. April 8, 1998, Grayling, MI.
- The latest and greatest of the non-metal spikes. Golf Association of Michigan & West Michigan Golf Course Superintendents Association 1998 Green Seminar. March 5, 1998. Grand Rapids, MI.

PRESENTATIONS *(continued)*

- Leaf mulch forum. 68th Annual Michigan Turfgrass Conference. January 20, 1998. Lansing, MI.
- Turfgrass identification. Metropolitan Detroit Landscape Association Turfgrass & Ornamentals Recertification Seminar. December 10, 1997. Farmington Hills, MI.
- Mulching tree leaves into an existing turfgrass stand. School of Turfgrass Management. December 3, 1997. East Lansing, MI.
- Changing from spikes to spikeless: what does it mean to the golf course? Northern Turfgrass Conference. September 1997. Escanaba, MI.
- New golf shoe sole designs and effects on putting quality: a survey. Annual Michigan Turfgrass Field Day. August 1997. East Lansing, MI.
- History of golf spikes. Golf Association of Michigan Day. May, 1997. East Lansing, MI.
- Lightweight green rolling. 67th Annual Michigan Turfgrass Conference. January, 1997. Lansing, MI.
- Three soils and a lightweight green roller. 88th Annual American Society of Agronomy Meeting. November 4, 1996. Indianapolis, IN.
- Three soils and a lightweight green roller part II. Annual Michigan Turfgrass Field Day. August, 1996. East Lansing, MI.
- Plastic spikes vs. metal spikes: a demonstration. Golf Association of Michigan Day. May 1996. East Lansing, MI.
- The effects of mulching tree leaves into Kentucky bluegrass. 66th Annual Michigan Turfgrass Conference. January 1996. Lansing, MI.
- The effects of mulching tree leaves into Kentucky bluegrass. American Society of Agronomy Meetings. October, 1995. St. Louis, MO.
- Observations about greens grown on three different soils. Annual Michigan Turfgrass Field Day. August, 1995. East Lansing, MI
- Soil type differences in green construction. Golf Association of Michigan Day. May, 1995. East Lansing, MI.
- Cultural practices and their effects on the green. Northern Michigan Turfgrass Conference. April, 1995. Grayling, MI.
- World Cup 94 project conclusion. Capital Area Landscape Association. October, 1994. Lansing, MI.
- Effect of rolling on green speed. Annual Michigan Turfgrass Field Day. August, 1994. East Lansing, MI.
- Mulching tree leaves into Kentucky bluegrass turf - an update. 64th Annual Michigan Turfgrass Conference. January, 1994. Lansing, MI.
- The effects of compaction on tall fescue maintained at fairway height. Annual Michigan Turfgrass Field Day. August, 1993. East Lansing, MI
- Plant growth regulators and green speed. Annual Michigan Turfgrass Field Day. August, 1991. East Lansing, MI.

WEBINARS

- The A, B, C's of putting green maintenance Part 4. You cannot manage what you cannot measure. TurfNet Webinar. November 1, 2018.
- The A, B, C's of putting green maintenance Part 3. Putting green maintenance and the law of diminishing returns: mechanical practices. TurfNet Webinar. October 25, 2018.
- The A, B, C's of putting green maintenance Part 2. Putting green maintenance and the law of diminishing returns: cultural practices. TurfNet Webinar. October 17, 2018.

WEBINARS *(continued)*

- The A, B, C's of putting green maintenance Part 1. Speed does not kill, ignorance does. TurfNet Webinar. October 11, 2018.
- On the Subject of Sole. Golf Course Superintendents Association of America live webcast. April 12, 2017.
- Irrigation: Science, Art and Measuring for Success. TurfNet Webinar. January 3, 2017.
- Rolling Practices for Your Golf Course. A BrightView Event. Golf Course Superintendents Association of America live webcast. October 19, 2016
- Irrigation: Science, Art and Measuring for Success. Golf Course Superintendents Association of America live webcast. January 21, 2015.
- Turf Nutrition Week Day 3. 60 Minutes on Nutrition with Dr. Nikolai. TurfNet Webinar. October 2, 2014
- My Best Feature is ... Greens: Green Speed Management. Golf Course Superintendents Association of America live webcast. October 2013
- The social, economic, and environmental impact of turfgrass on an urban society. TurfNet Webinar. February 13, 2013
- Top 10 Golf Course Maintenance Improvements. Golf Course Superintendents Association of America live webcast. September 2012.
- Top 10 Reasons to Lightweight Roll presented. Valley Crest Custom Event Golf Course Superintendents Association of America live webcast. September 2010
- Irrigation: Science, Art and Measuring for Success. Golf Course Superintendents Association of America live webcast. January 2010.
- Top 10 Reasons to Lightweight Roll plus Superintendent Insights on the Mechanical Practice Golf Course Superintendents Association of America live webcast. November 2009.
- Green Speed Basics presented. Valley Crest Custom Event. Golf Course Superintendents Association of America live webcast. Sept. 2008
- Green Speed and the Law of Diminishing Returns. Golf Course Superintendents Association of America live webcast. January 2008.
- Taking Control of Green Speed. Golf Course Superintendents Association of America live webcast 2007
- Taking control of green speed Part I: Establishing your golf courses ideal green speed. Golf Course Superintendents Association of America live webcast June 10, 2004

COLUMNS

- Nikolai, Thomas A. 2021. Caution is not poison. *Golf Course Management*. November. 89(11): p. 68.
- Nikolai, Thomas A. 2021. Get your brain dirty. *Golf Course Management*. September. 89(9): p. 80.
- Nikolai, Thomas A. 2021. When the routine breaks. *Golf Course Management*. July. 89(7): p. 63
- Nikolai, Thomas A. 2021. Out of the foxhole. *Golf Course Management*. May. 89(5): p. 56.
- Nikolai, Thomas A. 2021. Tell me I am wrong. *Golf Course Management*. March. 89(3): p. 68.

COLUMNS *(continued)*

- Nikolai, Thomas A. 2021. Inaugural DoGS Awards. *Golf Course Management*. January. 89(1): p. 106.
- Nikolai, Thomas A. 2020. Indecision, rejection, and the road that I'm on. *Golf Course Management*. November 88(11).
- Nikolai, Thomas A. 2020. Seeing is believing. *Golf Course Management Magazine*. September 88(9).
- Nikolai, Thomas A. 2020. I'm just happy to be here. *Golf Course Management*. July 88(7).
- Nikolai, Thomas A. 2020. The four majors. *Golf Course Management Magazine*. May 88(5).
- Nikolai, Thomas A. 2020. Better safe than sorry. *Golf Course Management*. March 88(3).
- Nikolai, Thomas A. 2020 Conundrum 1: a tale of compaction, compression, and capillary suck. *Golf Course Management*. January 88(1).
- Nikolai, Thomas A. 2019. Up to Speed: Green speed, communication, and Goldilocks. *Golf Course Management*. November. 87(11): p. 74.
- Nikolai, Thomas A. 2019. Up to Speed. From no-mow to natural to cost analysis. *Golf Course Management*. September. 87(9): p. 56.
- Nikolai, Thomas A. 2019. Up to Speed: Best Management Practices for all. *Golf Course Management*. July. 87(7): p. 66.
- Nikolai, Thomas A. 2019. Up to Speed: Shaking the tree for low-hanging fruit. *Golf Course Management*. May. 87(5): p. 74.
- Nikolai, Thomas A. 2019. Up to Speed: On the right side of the law. *Golf Course Management*. March. 87(3): p. 86..
- Nikolai, Thomas A. 2019 Up to speed: Show me the data. *Golf Course Management* January. 87(1): p. 120.
- Nikolai, Thomas A. 2018 Up to speed: Managing putting greens to tolerate foot traffic. *Golf Course Management* November. 86(11): p. 62
- Nikolai, Thomas A. 2018 Up to speed: Collar care. *Golf Course Management* September. 86(9): p. 60.
- Nikolai, Thomas A. 2018 Up to speed: A brief history of green speed. *Golf Course Management* July 86(7): p.60.
- Nikolai, Thomas A. 2018 Up to speed: Educate don't legislate. *Golf Course Management* May. 86(5): p. 60.
- Nikolai, Thomas A. 2018 Up to speed: The elephant in the room. *Golf Course Management* March. 86(3): p. 64.
- Nikolai, Thomas A. 2018 Up to speed: Weighing in on fairway rolling. *Golf Course Management* January. 86(1): p. 104.
- Nikolai, Thomas A. 2017 Up to speed: Hacker rules by consensus. *Golf Course Management* November. 85(11): p. 58.
- Nikolai, Thomas A. 2017 Up to speed: Rough mower looking for work. *Golf Course Management* September. 85(9): p. 62.
- Nikolai, Thomas A. 2017 Up to speed: Stories from the wash pad. *Golf Course Management* July. 85(7): p. 58.
- Nikolai, Thomas A. 2017 Up to speed: The grass is not always greener. *Golf Course Management* May. 85(5): p. 66.
- Nikolai, Thomas A. 2017 Up to speed: Slow and steady. *Golf Course Management* March. 85(3): p. 66.

COLUMNS *(continued)*

- Nikolai, Thomas A. 2017. Up to speed: All in the family. *Golf Course Management* January. 85(1): p. 120.
- Nikolai, Thomas A. 2016. Up to speed: Making our greens great again? *Golf Course Management* November. 84(11): p. 72
- Nikolai, Thomas A. 2016. Up to speed: O Canada: A Morris Method update. *Golf Course Management* September. 84(9): p. 82.
- Nikolai, Thomas A. 2016. Up to speed: Golf and the environment... blah, blah, blah. *Golf Course Management* July. 84(7): p70.
- Nikolai, Thomas A. 2016. Up to speed: The significance of “not significant”. *Golf Course Management* May. 84(5): p 80.
- Nikolai, Thomas A. 2016. Up to speed: Turf bowl: Everyone's a winner. *Golf Course Management*. March. 84(3): p. 76.
- Nikolai, Thomas A. 2016. Up to speed: What's the frequency? *Golf Course Management*. January. 84(1): p. 108.
- Nikolai, Thomas A. 2015. Up to speed: It's hard to be humble. *Golf Course Management*. November. 83(11): p. 70.
- Nikolai, Thomas A. 2015. Up to speed: Quoting Shakespeare. *Golf Course Management*. September. 83(9): p. 86.
- Nikolai, T.A. 2015. Up to speed: obstacle course part II. *Golf Course Management*. July. 83(7): p. 80.
- Nikolai, T.A. 2015. Up to speed; obstacle course part I. *Golf Course Management*. May. 83(5): p. 84.
- Nikolai, T.A. 2015. Up to speed: Weighing in on rolling after aerification. *Golf Course Management*. March. 83(3): p. 82.
- Nikolai, T. A. 2015. Up to speed: Please pass. *Golf Course Management*. January. 83(1): p. 104.
- Nikolai, T.A. 2014. Up to speed: 100% natural. *Golf Course Management*. November. 82(11): p. 70.
- Nikolai, T.A. 2014. Fairway rolling: Really? *Golf Course Management*. September. 82(9): p. 78.
- Nikolai, T. A. 2014. Up to speed: water conservation from the ground up. *Golf Course Management*. July. 82 (7): p. 78.
- Nikolai, T. A. 2014. Up to speed: you are what you produce part I. *Golf Course Management*. May. 82(5): p. 74.
- Nikolai, T. A. 2014. Up to speed: two for the show. *Golf Course Management*. March. 82(3): p. 76.
- Nikolai, T. A. 2014. Up to speed: irrigation, agronomics, and playability. *Golf Course Management*. January. 82(1): p. 130.
- Nikolai, T. A. 2013. Up to speed: fertility: the truth often lies with the recommendation. *Golf Course Management*. November. 81(11): p. 78.
- Nikolai, T. A. 2013. Up to speed: results may vary. *Golf Course Management*. September. 81(9): p. 74.
- Nikolai, T. A. 2013. Up to speed. Brush daily? *Golf Course Management*. July. 81(7): p. 78.
- Nikolai, T. A. 2013. Up to speed: pace of play and green speed. *Golf Course Management*. May. 81(5): p. 88.
- Nikolai, T. A. 2013. Up to speed: a partnership that pays dividends. *Golf Course Management*. March. 81(3): p. 78.

REVIEWS

- An amino acid-based biostimulant program could reduce glyphosate phytotoxicity on tall fescue
AJ-2020-05-0503-CA Agronomy Journal
- Influence of Brush Type and Brushing Frequency on Putting Green Ball Roll Distance and
Turfgrass Quality. CROP-2020-06-0421-SIA
- Measurement of Turf Height and Growth Using a Laser Distance Device. CROP-2020-05-0390-
SIA
- Sand topdressing and protective covers sustain creeping bentgrass crown moisture
during winter desiccation stress." AJ-2019-04-0301-A.R1
- Methods to Measure Directional Precision of a Golf Putt: Does Annual Bluegrass Influence Ball
Roll?" Rejected for publication in Crop Science. December 2016
- Creeping bentgrass response to intensive mowing, rolling, and foot traffic. AJ-15-0087-A. March
29, 2015 Influence of Gypsum and Wetting Agent on Sand-based Putting Greens
Irrigated with Recycled Wastewater. AJ-13-0060-A. April 29, 2013
- Effect of Core Aerification Frequency, Area Impacted, and Topdressing Rate on Soil Physical
Properties. AJ-12-0224-A. July 16, 2012
- Lightweight Rolling Effects on Anthracnose of Annual Bluegrass Putting Greens. AJ-11-0269-
A.R. February 7, 2012
- Anthracnose Disease of Annual Bluegrass Putting Green Turf as Affected by Lightweight Rolling
and Equipment Traffic. AJ-11-0269-A. October 11, 2011.
- Brushing plus vibratory rolling enhances topdressing incorporation on ultradwarf bermudagrass
putting greens Kauffman, John M.; Sorochan, John C.; Brosnan, James T. 2011. Applied
Turfgrass Science. January 26. p. [1-8].

GRADUATE STUDENT COMMITTEES

- Binder, Nick. 2018. M.S. Thesis 2018. Effect of rolling frequencies on sports field surface and
subsurface conditions.
- Green, Thomas. 2015. M.S. Thesis 2015. Effects of lightweight rolling and sand topdressing on
the severity of dollar spot infection and quality of turfgrass on a golf course fairway.
- Johansen-Wilczewski, Rachel. 2015. Ph.D. Dissertation: Michigan State University. iv, 294 pp.
Community urban greening: curbing disorder and building assets—The case of Flint, MI.
- Tocco, Rodney V. Jr. 2014. Ph.D. Dissertation: Michigan State University. xv, 111 pp. Effects of
Evapotranspiration Based Irrigation, Double Mowing, and Wetting Agent on an *Agrostis
stolonifera* var. *palustris* Putting Green
- Xiao, Miyuan. 2012. M.S. Thesis: Michigan State University. xii, 158 pp. Multi-Year Effects of
Granular and Foliar Nitrogen Fertilizers on Penn 'A-4' Creeping Bentgrass (*Agrostis
palustris* Huds.) Grown on Three Rootzones
- Giordano, Paul Ryan. 2010. M.S. Thesis: Michigan State University. viii, 106 pp. Biology and
Pathogenicity Factors of *Rutstroemia floccosum* and the Effects of Lightweight Rolling
on Dollar Spot Disease Incidence in Creeping Bentgrass Putting Greens
- Richards, Jacob S. 2009 M.S. Thesis: University of Arkansas. 96 pp. Putting green speed
measurement and determining the influence of management practices on putting green
speed.
- Hathaway, Aaron D. 2006. M.S. Thesis: Michigan State University. vi, 41 pp. Effect of Four
Creeping Bentgrass Cultivars and Quantified Foot Traffic on the Invasion of Annual
Bluegrass into a Putting Green
- Strunk, William Daniel. 2006. M.S. Thesis: University of Tennessee, Knoxville. [1], x, 64 pp.
Mowing and Light-weight Rolling of Creeping Bentgrass (*Agrostis stolonifera* L.)
Putting Greens during summer heat stress periods in the Transition Zone