27 February 2025

John Mengelt
c/o Breckenridge Partners

Dear John and Search Committee Members,

With 20 years' experience in land grant university administration, I am excited to apply for the position of Dean of the College of Agriculture and Director of the Alabama Agricultural Experiment Station. The University's Land Grant mission aligns with my own experiences and goals. My degrees and post-graduate work experience have all been at R1 Land Grant universities.

The position is exciting because it has responsibilities for both research and academics. I became an assistant professor at the University of Wisconsin-Madison (UW) because I wanted to conduct research, extension programming, and teach the next generation of agriculturists. I am both concerned, and hopeful for, the future of agriculture. The Dean and Director position provides an opportunity for me to give back and serve the public's interests to maintain our food supply at a larger capacity than my current role allows. The University of Auburn is attractive because of its capacity to enhance agricultural productivity and improve the public's knowledge of agriculture in the near- and long-term future.

My background in research, extension, academics, and administration has helped me develop a diverse skill set which aligns well with the position description. I have grown up around agriculture and enjoyed working on family farms. I've worked in row crops, forestry, turf, and laboratory settings. I've served as an undergraduate student research assistant, a GRA, a GTA, and staff at multiple land grant universities. In 1997 I began an appointment as assistant professor at the University of Wisconsin-Madison (UW) in horticulture and was a tenured full professor by 2008.

My administrative experience began as the faculty project leader for research and outreach at one of UW's research stations while an assistant professor. I gained significant breadth and depth in administration of research and teaching as department chair of Horticulture at UW in 2005 – while chair, we had the #1 ranked graduate program for Horticulture in the country. As Chair, I managed federal and state budgets and rules (USDA faculty were housed and tenured in our department, along with their staff). I successfully addressed various personnel situations ranging from poor performance to mental health crises.

In my second year, my goals shifted from conducting science to helping others achieve their goals after a wonderfully satisfying experience in which I helped resolve a long-standing issue between our two largest faculty research programs involving intellectual property. I learned I had strengths for bringing people together to solve problems and advance ideas. I worked with the Wisconsin Potato & Vegetable Growers Association to successfully address breeding needs for new potato varieties. I was also able to bring together commodity groups in the Green Industry to address statewide regulatory issues particularly around nutrients and pesticides. My

colleagues and I also worked with commodity groups to keep university research stations funded: my department was directly responsible for two and had shared responsibility for others.

My work with the UW Foundation and industry raised funds for activities such as funding a National Agricultural Statistics Service economic impact survey and endowing four Graduate Student Fellowships ($2 million value). My experiences later helped shape the University of Tennessee Herbert Scholars endowment and securing other philanthropic funding plus stewarding an approximately $90 million endowment portfolio.

In 2011 I began serving as an assistant dean at the University of Tennessee College of Agricultural Sciences and Natural Resources (now Herbert College of Agriculture). In 2013 I led the College's strategic plan and oversaw its implementation, increasing our first-year retention and graduation rates from 84% to 93% and 71.8% to 77.4%, respectively. In 2015, an emergency in the college required me to step out of my position to revise and balance the College budget. One outcome was my promotion to associate dean with budget oversight responsibilities. In 2018 I began a dual-appointment as associate dean for both academic and faculty affairs, providing oversight for the College's P&T process and drafting P&T letters for the Dean.

I have been energized by opportunities to lead and innovate withing our college. Currently I oversee staff and activities associated with advising, employer relations, enrollment (retention and recruitment), communications, curriculum, international activities, and student life along with various fiscal, international, and personnel responsibilities. Two significant accomplishments since the COVID crisis in 2020 were teaching our faculty via weekly meetings how to flip our instruction to 100% online during the pandemic and implementing a new budget model for the College (2021-current). Understanding the budget model has allowed us to forecast budgets and better inform department heads and faculty, resulting in 180-degree changes regarding curriculum development and space usage. Behavioral changes have led to a 40% budget increase in the past three years.

My strengths for strategic thinking, problem-solving, and achievement drive my desire for the Dean position. I enjoy helping people to make changes that improve lives and the environment. My time in Extension helped me to learn how to work with industry, municipal, and state officials to achieve mutually beneficial goals. This and experience working with Advancement will be crucial to raise funding for new facilities.

I hope I have sufficiently conveyed a desire, and the experience needed to excel in the Dean position. I have thought long and hard about the opportunity and feel I have a lot to give back to make the College among the strongest in the country. I look forward to the possibility of providing more information and interviewing for the position.

Sincerely,

John C. Stier
Associate Dean and Professor

John C. Stier

Associate Dean and Professor
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Experience

2015-Present **Associate Dean-Academic Affairs and Professor, Herbert College of Agriculture, University of Tennessee, Knoxville**, 2015-present **(& Faculty Affairs** 2018-2022)

Herbert College is one of 14 colleges and schools in Tennessee's 1862 Land Grant University. The College has 2,022 of the University's 36,000+ students and offers 11 undergraduate, 11 Masters, and 6 PhD degrees. The College has a budget of $27,300,000 and 133 faculty (most with joint appointments with AgResearch or Extension). The associate dean's (AD) responsibilities include overseeing student services staff and functions including advising, communications, recruiting, scholarships, and student life. The AD oversees undergraduate and graduate curriculum and program performance, student experiential learning programs, and conducts faculty and department head training. The AD helps oversee budget and endowments.

Significant accomplishments achieved through university teamwork:

- **Administered budget and funding activities**
  - Grew revenue 41% from $19,269,260 in FY20 to $27,295,00 in FY25
    - Taught the new budget allocation model to the faculty and heads of the Herbert College's 8 departments to initiate increased efficiencies
      - Student credit hour (SCH) production grew 44% from 602 SCH/faculty FTE to 866 from 2020 to 2024
      - Degrees granted grew 21% from 9.1 to 11.0 degrees/faculty FTE from 2020 to 2024
  - Developed base algorithm to distribute department operating funds to incentive positive academic outcomes including retention and faculty productivity.
      - Performance-based allocations to departments increased from < $100,000 to $971,700 between 2020 to 2024
  - Advancement, scholarships and endowments
    - Donor visits with Advancement team
      - Resulted in creation of recruitment position in Middle/Western TN
      - Resulted in 3 annual faculty/staff/student awards for critical thinking and entrepreneurship
    - Worked with donor, Advancement, and former Dean to develop an endowment to support students for out-of-state internships. Since 2017, expenditures rose from $25,000 to support 7 students to $223,000 in 2024 to support 58 students
    - Developed the strategy for using endowment funds to achieve the College's strategic plan: ~ $450,000/year is used for study abroad, undergraduate research, and revenue-generating entrepreneurship (e.g., UT Creamery)
    - Changed leadership of scholarship committee from *ad hoc* faculty to staff (2022)
      - Awards increased from ~$800,000 annually to $1.2 million by 2023

- **Faculty Hiring and Development**
  - Instituted practice of shifting resources from retiring faculty lines to support areas of growth based on enrollments, student credit hours, and degrees granted
    - Analyzed data to guide decisions in faculty investments
    - Interviewed multiple faculty and department head candidates
  - Grew faculty knowledge of Artificial Intelligence and Virtual Reality (VR)
    - Secured 6 faculty spots in a UT contract for Auburn University's course for instructors to integrate AI into the classroom, 2023
    - Convened workshop Artificial Intelligence - 70 faculty (2023)
    - Purchased 360 degree cameras and VR headsets for each department. Two departments have used them for various courses or outreach (2021)
  - Workshops (staff conducted)
    - Social media usage for faculty (2024)
    - Two workshops to train 6-8 faculty in VR (2022)
  - Personnel management
    - Assisted faculty with student or administrative issues ranging from student conduct to Title IV (attendance) and Title IX compliance
    - Assisted Department Heads with personnel issues
      - Resolved several formal complaints involving faculty disagreements and misconduct allegations
    - Instituted orientations for new Department Heads (2017-present)
  - Promotion & Tenure
    - Chaired UTIA's Tenure, Promotion, and Performance Review committee (2017-2022)
      - Convened annual Promotion and Tenure Workshops for ~ 50 faculty
      - Ensured updated online resources existed for faculty P&T support https://utiaacademicaffairs.tennessee.edu/promotion-and-tenure/
      - Provided recommendations to Chancellor for process improvements
      - Developed and wrote faculty P&T decisions
      - Initiated new software (Interfolio) & training for P&T (2021-2022)
- **Led and managed College's faculty and teaching programs**
  - Faculty training
    - Led the College's change from nearly 100% face-to-face instruction for 175 courses to 100% online instruction within a two-week period at the beginning of the Covid-19 pandemic
      - Held weekly training sessions for over 100 faculty, usually themed and with guest presenters, via Zoom for 14 months to help faculty be the best online instructors possible
    - Held annual Fall Kick-Off faculty training to update on university changes and promote best teaching and student support practices
      - Themes included artificial intelligence, student mental health support, and digital pedagogy
  - Hired Hanover Research (2022-23) to analyze existing and potential new academic programs to support state and national needs. Examples of shifting resources to grow or develop new programs included:

- Outdoor Recreation & Parks Management (ORPM) concentration in Forestry with plans to elevate to a major
  - Funds allocated to hire two faculty
    - 13 courses developed for ORPM
    - Program began Fall 2024 with three students
- Environmental Science degree
  - Worked with department to change the name of the Environmental & Soil Science degree program to Environmental Sciences to align with prospective students' experiences; effective Fall 2025
  - Allocated funds to hire a full-time instructor
    - Introductory Environmental Science course developed for General Education "VolCore" status beginning Fall 2025
- Fermentation Program development
  - Allocated funding for new faculty hire
  - Fermentation minor started 2024
  - New classes
    - FDSC 110 Fermented Foods - 250 students, 2024
    - FDSC 210 The Science of Brewing-30 students, 2024

- **Curriculum**

  Worked with College departments, the Graduate School, and served on the Graduate Council and Graduate Deans Committee to revise curricula and procedures
  - Coordinated Herbert College's Graduate and Undergraduate Academic Councils
    - Developed Construction Science & Management degree with Biosystems Engineering & Soil Science faculty, Provost's office, and UT System, 2018
      - Enrolled 326 students by Fall 2024
    - 50-100 course and program changes annually
    - Examples in 2023 included:
      - 4 new concentrations in Biosystems Engineering
      - Supply chain concentration in Agricultural & Resource Economics, joint with Haslam College of Business and Arts & Sciences
      - Minor in Food Fermentation
      - 88 General Education "VolCore" courses developed with a number aimed at non-Herbert students in order to promote agriculture literacy in accord with national needs
  - Met with faculty as needed to develop or revise curricula for efficiency or to reduce student costs

    Examples included:
    - Worked with Construction Science & Management and Agricultural & Resource Economics faculty to allow students to take lower-cost AREC courses to meet business course requirements
    - Combined students from multiple departments into a single career development course to increase efficiency
  - Supported wise growth of online education
    - **UT's 1st online undergraduate certificate** for undergraduates - Horticultural Therapy
      - Worked with faculty, Provost, registrar, and UT System
      - 23 students graduated since it began in 2021

        - Convened faculty committee to develop guidelines for online courses
            - 38 new online courses since 2021, enrolling 3,250 students in 2024
        - SACS Accreditation
            - Led writing team for successful 5 year review of SACS Standard 9.1-Program Content (2019-20)
            - Worked with University administrators and College faculty to set outcomes, acquire and assess student learning outcomes data for 2016 reaffirmation of university accreditation by Southern Association of Colleges and Schools.
- **Led Graduate Education**
    - Coordinated the annual **3 Minute Thesis** competition for the College (2018-2022)
        - The College's students won and/or placed in the top three University competitions in 4 of the 5 years
    - Recruiting
        - **Program Director** for the University of Tennessee's China Scholars (2015-2021)
            - Annual trips to China (2015-2019) recruited 35 PhD students to UT in 3 colleges (Agriculture, Engineering, and Arts & Sciences)
                - Trips included 9 faculty from 3 University of Tennessee colleges
                - Co-convener Joint US-China NSF workshop "International Nexus of Food, Energy, Water, and Soil", 26-29 October 2016, Yixin, Jiangsu Province, China
                - $2.4 million program 2015-2018
                - $3.6 million program when renewed from 2018-2021
                - 34 PhD students graduated
                - Two faculty mentors gave series of guest lectures in China
                - Renewed 2025-2030 (now led by Center for Global Engagement)
                    - 22 students applied for Fall 2025
            - Developed **Herbert Graduate Fellows** awards criteria and processes to recruit top PhD students, 2018-present
                - 58 PhD students matriculated 2018-2024
                - Expenditures ~ $1,208,000 (~ $150,000 annually)
        - Developed and hosted **Graduate School Information Session**
            - 2025: Collaborated with Univ. Kentucky for inter-state recruitment
                - Scheduled for March 25
            - 2024: 50 undergraduates, 1st year
        - Led UT's contract with **AgNgine** (2023) database for students seeking graduate school in agriculture, natural resources, and life sciences
            - UT was first in the nation to meet its quota of 20% of eligible students enrolled in 2024
            - Generated 2,727 prospective graduate students for University of Tennessee
        - New PhD programs (much of the proposal writing was done by faculty) Worked with departments, Provost's Office, UT System, and TN Higher Education Commission
            - PhD Entomology, Plant Pathology & Nematology 2016
            - PhD Agricultural Leadership, Education & Communication 2025

- **Led and developed Herbert College's student services and staff**
  Our goal is to put students first, ensuring all are welcomed and supported to succeed during and after college
  - **Communications**
    - Created the College's Communications team, 2019-2024
      - College's visibility across campus and the state has increased due to social media, newsletters, and advertising in print media such as the Daily Beacon and Tennessee Home & Farm (675,000 subscribers)
      - Developed and hired a second communications position focused on creative content for videography, photography, and social media in 2024
      - Student electronic newsletter revisions increased "open" rate from 1144 in AY2022-23 to 1644 in AY2023-24
      - Social media (Instagram, Facebook, X) had over 3,700 followers, an 8% growth rate, and 221,225 impressions in 2023
  - **Undergraduate recruiting**
    - Set recruiting goals and worked with the recruitment coordinator to recruit high quality undergraduates into specific programs.
    - Reconfigured our recruitment efforts in 2021, promoting our recruitment Coordinator to an Assistant Director and hiring recruiters for Eastern TN and Middle/West Tennessee to broaden our in-state reach, 2023
      - Applications rose from ~700/year to over 1300 students in 2024
      - Undergraduate enrollment increased 19% from 2019 to 2024
      - Record high undergraduate enrollment, 1680 students, in Fall 2024
  - **Career Services**
    - Led effort to improve self-reporting of graduating students employment and salary information from < 30% to over 60%
    - Collaborated with career services coordinator on annual College career fair and programs to prepare students for interviewing and networking
    - Developed a Coordinator for Employer Engagement & Career position to improve internship & career opportunities for students (2024)
    - Hosted annual Career Fair for Agriculture and Natural Resources
      - Over 170 students and 40 companies attended in 2024
    - Hosted, in concert with Construction Science and Management program, annual Construction Science Career Fair
      - 92 companies and over 220 students attended in 2024
  - **Student Life**
    - Improved organization of College clubs by having each register with campus and keep officers and websites updated.
    - Developed a Deans Advisory Committee (2013-present) of undergraduate students to help our office focus on resolving problems or issues faced by students
      - Results included
        - Revised bus service for the Agriculture campus
        - Food trucks for the Agriculture campus
    - One or more events hosted monthly for student engagement such as Welcome Week activities, Fall Festival, Chocolate Bar Day, Herbert-tine's Day (Feb 14), Surprise Hat Drop, and Commencement Celebration

- **Experiential learning**
  - USDA-NIFA grant (led by Adam Willcox), 2016-2019, $281,236
    - Two groups of 7 students from 4 universities spent 6 weeks/year conducting research and extension programs in Belize
      - Two became Fulbright Fellows
      - 13 continued for graduate study
  - Increased study abroad participation working
    - Set goal of 50% of undergraduates having an international experience
    - Used endowment funds
    - Worked with Smith Center for International Agriculture
    - Grew from <10% students in 2020-21 to ~25% students in 2023-24
  - Herbert Scholars Internship Program
    - Funded 117 students for out-of-town internships 2017-2024
      - Average award $3,500
- **Research**
  - Two grants totaling $5,601,200
    - FIFA 2026 World Cup Soccer Project. Federation Internationale de Football Association (FIFA). J.C. Sorochan and J.C. Stier. 2022-2024. $5,526,200
      - Included $2.4 million for construction of climate-controlled research building at a University research farm
    - Broadband-enabled precision agriculture: 5G in turfgrass science and education. Greig, J.A., J. C. Stier, J.C. Sorochan, S.I.Ruoti, J. Weinhandl, E.T. Parker, C. Furst, B.J. DeLozier, A. Hill, R. Rutledge, A. Albrecht, S. Wilson, C. Weems. 2023. AT & T and Univ. Tennessee. 2023-2025. $75,000.
      Grant brought local 5G service to a University research farm
  - Honors and Awards
    - Fred V. Grau Turfgrass Science Award, 2020
      - Significant career contributions in turfgrass science during past 15 years
    - Fellow, American Society of Agronomy, 2017
      - Highest recognition in the Society; ≤0.3% of members
    - Fellow, Crop Science Society of America, 2016
      - Highest recognition in the Society; ≤0.3% of members
    - Invited Speaker, Biotechnology Literacy Project, "Genesis evolving: New genetic modification techniques and their impact on regulation and policy" Univ. California-Davis, 2015
- **Awards and Recognition for Faculty, Staff, Students, Alumni**
  - Oversaw College awards program (2011-present)
    - Converted nominations process from paper to electronic (2017)
    - Developed awards for:
      - Young alumnus (2025)
      - Faculty mentor for undergraduate research (2014)
      - Friend of the College (2013)
  - Submitted first successful faculty nomination for University Chancellor's Professor
  - Successfully nominated two graduate student commencement speakers (2022 and 2023)
- **Stakeholder Engagement**
  - Attended various annual Farm Bureau, 4-H and FFA events
  - NIFA-APLU Climate Change Task Force, 2022-23

        - Developed a White Paper to guide future USDA-NIFA research related to climate change
    - Presented "Changes in the Herbert College of Agriculture", Pick TN Conference, Franklin, TN, 2022
    - Worked with genetic engineering industry and seed companies
        - Deregulation of Roundup® resistant creeping bentgrass, 2017
            - Research and outreach efforts began in 2000 with U.S. Fish and Wildlife Service and multiple seed companies
    - Invited educational presentations
        - "Post-secondary education for the circular bioeconomy in agriculture and natural resources", NSF funded program, Buenos Aires, Argentina, 2022
        - "Trends and projections of college-bound students: Opportunities for recruitment", Crop Science Society of America, Baltimore, MD, 2022
- **Facilities**
    - Co-proposed $50 million urban research and outreach facility, 2025
        - *Expanded proposal being developed following initial support*
    - Search committee – Assistant Vice Chancellor Facilities Planning & Design, 2023-2024
    - University Classroom Upgrade committee, 2019-present
    - Proposed new food service space, 2019
        - *Opens March 2025*
    - Agriculture and Natural Resources building planning committee, 2018-2022
    - Space Committee-Institute of Agriculture, 2011-present
    - Initiated ~$50,000 of Dean's office space renovations
- **Professional Development**
    - Food Systems Leadership Institute, Association of Public & Land Grant Universities, 2023-present
        - Leadership training for future provosts, chancellors, and presidents
        - Designed for LEAD 21 Fellows (graduates)
        - Project: Increase transfer students to UT via novel agreements
    - Tennessee Executive Leadership Institute, 2018-2019
        - Training for future executive leaders in the UT System

2011-2015 **Assistant Dean-Academic Affairs and Professor, Herbert College of Agriculture, University of Tennessee, Knoxville**

- **Led development and implementation of college's Strategic Plan**, 2013-2020
    - Achieved goal of increasing 1st year retention: 84% (2014) to 93% (2023)
    - Achieved goal of increasing 6 yr graduation rate: 71.8% (2013 cohort) to 77.4% (2018 cohort; campus rate in 2018 was only 73.9%)
    - Achieved goal of increasing PhD enrollment from 83 in 2015 to 102 in 2019
    - Achieved goal of developing alternative revenue streams
        - Campus Creamery, opened 2023
    - Achieved goal of enhancing student communication skills
        - Most departments installed communications as a SACS accreditation learning outcome by 2017
- **Budgets and Personnel Oversight**
    - Balanced the College FY2015 budget during a sudden fiscal emergency
        - Described budget impact to affected department, Provost, and Chancellor

        - Promoted to Associate Dean as a consequence
    - Developed college's annual budget and academic program report for Provost
        - Analyzed data to show efficiency of college's operations
        - Secured funding from Provost's office for 5 lecturers
    - Developed metrics and parameters to use when approving requests for faculty positions, 2014 (revised in 2019 and 2020)
    - Instituted the practice of having minutes for department head meetings (2012)
    - Started the professional advising program in Herbert
        - Acquired $55,000 from Provost and hired a Director of Advising (2012)
        - Hired three professional advisors over the next three years using salary savings without diverting funds from department faculty positions
        - Freed up faculty time away from advising to increase research effort
- **Strengthened educational programs**
    - Started the College's Professional Advisor Program (2012-current)
        - Research productivity increased by reducing faculty-student advising
            - External funding increased 43% from 2020 to 2024 (*multiple reasons*)
        - Created 6 advisor positions via University funds and salary savings
        - Retention rates increased from 85.8% in 2015 to over 92% in 2024
    - Created Undergraduate Research course in all departments
        - 48 faculty mentored over 50 undergraduate student researchers by 2022
    - Developed assessments for all College academic programs to meet regional (SACS-COC) accreditation requirements, 2013-2015
        - Oversaw faculty credentialing for accreditation 2013-2022 in collaboration with Provost's office
        - Developed undergraduate research mentoring award for faculty, 2014
            - 10 faculty received the award by 2024
- **Oversaw college's undergraduate and graduate academic councils**
    - 50-100 curriculum changes annually
- **Research**
    - Grants
        - Documenting water use of turfgrasses in the United States. J. Stier, K. Kopp, E. Watkins, M. Elmore, J. Henderson, J. Baird. Turfgrass Producers International. 7/1/15-6/30/18. $66,197.
        - Improving roadside seed mixture establishment. M. Renz and J. Stier. Wisc. Dept. Transportation. 1/1/14-12/31/16. $67,476.
    - Four refereed manuscripts published (all led by colleagues or students)
    - Honors & Awards
        - Martin and Ruth Massengale Lectureship, "Turfgrass, Society and the Environment", Agronomy Society America & Crop Science Society of America Annual Meeting, Cincinnati, OH 2012
            - Distinguished scientist who's made significant contributions to new & innovative research in crops, turfgrass, or forages
- **Professional Development**
    - LEAD 21, 2014-2015
        - National leadership training by Association of Public & Land Grant Universities
    - SEC Academic Development Leadership Program, 2012-2013

- University of Tennessee (System) Leadership Institute, Gatlinburg, TN, 2013

2005-2011 **Chair, Department of Horticulture, University of Wisconsin-Madison** (2008-2011; Co-/Acting Chair 2005-2007)

- **Budget oversight**
  - Responsible for department's ~ $10 million budget
  - Absorbed annual 1-5% budget cuts without cutting faculty positions
    - Used faculty advisory committee to develop decisions on cuts
  - Endowments
    - Participated in multiple donor visits
      - Achieved two endowed graduate Fellowships and one scholarship
    - Reviewed endowments regularly with UW Foundation to ensure usage or reinvestment to principle
    - Developed guidelines for endowed Gottschalk Family Cranberry Professorship
- **Personnel oversight**
  - Resolved 3 cases of personnel with mental health difficulties
  - Organized staff rotation among 3 faculty programs to overcome personnel issues
  - Resolved 2 lawsuits involving faculty intellectual property
  - Ended a long-term feud between two highly productive and competing faculty
  - Worked with USDA rules and regulations for federally-funded staff and faculty
  - Promoted 1 assistant professor to associate professor with tenure
  - Hired 2 faculty
  - Hired administrative assistant
  - Instituted social events to boost morale during budget cuts
  - Developed step-by-step guidelines to explain promotion & tenure process to assistant professors
- **Advancement and Stakeholder engagement**
  - Worked with Wisconsin Potato & Vegetable Growers Association to revise oversight of the state's Potato Improvement Program
  - Worked with multiple Green Industry groups to endow three Graduate Fellowships ($2 million value)
  - Worked with Wisconsin Cranberry Growers Association and lobbyist on Farm Bill to develop Cranberry Research Station
- **Assisted Dean's office**
  - Co-led successful change to convert multiple degree programs to single degree
    - Required multiple department meetings to convene all-faculty vote
  - Secured funding (~$50,000) from University to begin professional advising for pre-professional students in the College
  - Chaired College curriculum committee
- **Professional Development**
  - Department Executive Officer Workshop, Big 10 Academic Alliance, Chicago, IL, 2010
  - Joseph F. Kauffman Administrative Development Program, Univ. Wisconsin-Madison, 2008-09
    - Leadership training focused on units and processes of the campus
  - Women in Science and Engineering Leadership Institute, 2008

        - National Science Foundation Program to develop gender equity in academia; I was the first male in the Wisconsin program
    - Donor Relations and Stewardship workshops, Univ. of Wisconsin Foundation, 2007
    - OMB Grants and Contracts Training, Univ. of Wisconsin, 2006

1997-2011 **Professor (2008), Associate Professor (2005), Assistant Professor (1997) of Horticulture, University of Wisconsin-Madison**

- **Administration**
    - Research-Extension Leader O.J. Noer Research & Educational Facility
        - Coordinated faculty projects and field research space assignments
        - Worked with faculty and Ag Experiment Station staff for grounds and building maintenance
        - Worked with Ag Experiment Station leadership and faculty to finance operations
        - Secured average ~ $75,000/yr new equipment and products
- **Research**
    - 41 refereed journal articles (61 total career; full list upon request)
        - 13 with undergraduate or graduate student as 1st author*. Examples include:
            - *Garrison, M.A., and J.C. Stier. 2010. Cool-season turfgrass colony and seed survival in a restored prairie. Crop Sci. 50:345-356. *Selected by Crop Science Society of America for promotion in Research Highlight program.*
            - *Hollman, A., M.D. Casler, J.C. Stier, G. Jung, and L. Brilman. 2005. Identification of putative velvet bentgrass clones using RAPD markers. Crop Sci. 45:923-930.
            - Stier, J.C., D.L. Filiault, and J.P. Palta. 2003. Visualization of freezing progression in turfgrasses using infrared video thermography. Crop Sci. 43:415-420.
    - 3 book chapters
    - 12 invited papers in conference proceedings
    - 48 national/international conference presentations
    - 10 invited research presentations, including
        - "Impact of Buffers on Nutrient Transport", New Jersey Nutrient Management of Urban and Suburban Landscapes for Surface and Ground Waters, Rutgers EcoComplex, Bordentown, NJ, 13 May 2010.
          Impact: The state of New Jersey used the information in development of statewide nutrient application regulations effective 2011
    - Developed online journal *Applied Turfgrass Science* (now *Crop, Forage & Turfgrass Management* https://acsess.onlinelibrary.wiley.com/journal/23743832/journal-metrics), 2002
    - Associate Editor *Crop Science* journal 2004-2006, 2007-2009
    - Administrative Advisor for North Central Education & Research Activity (NCERA)
        - Developed successful proposal for new NCERA-221 program (2011)
        - Developed NCERA-192 goals for 2006-2011, approved by USDA-NIFA
            - Organized and reported on 5 multi-state projects with 9 land grant universities to reduce pesticide and nutrient impacts and invasive species

        - Multiple publications from 9 land grant researchers resulted
    - Coordinated timing of annual field days across 9 land grant universities
- Grants and external funding
    - Competitive (national): $1.5 million ($1.2 million to my program)
      Examples:
        - USDA-Specialty Crops Research Initiative. 2008-2012. Increasing the economic and environmental sustainability of sod production using biosolids. D.J. Soldat, J. Stier, J. Kerns, E. Ervin, G. Evanylo, C. Kome, P. Mitchell, R.C. Williamson, R. Wolkowski, $485,085
        - USDA-CSREES. 2006-2007. Landscaping for better water resources, Part II. J. Stier, $48,785
    - State: $134,070
      Examples:
        - Wisconsin Dept. of Transportation. Identifying low maintenance, invasive-resistant roadside seed mixtures. 2011-2015. J. Stier and M. Renz, $49,600
        - Wisconsin Dept. of Agriculture. 1999-2001. Quantification of pesticide runoff from urban landscapes. J. Stier and R.C. Williamson, $84,470
    - Industry grants and gifts: $463,400
      Examples:
        - Wisconsin Golf Course Superintendents Association. Velvet bentgrass for sustainable Midwestern golf courses. 2007. J. Stier, $18,000
        - Cargill Inc. Turf stress from deicing agents. 2002. J. Stier, $10,875
- Graduate and undergraduate research student mentoring
    - Completed 2 PhD, 11 Masters students as major advisor (all grant-funded)
    - Served on committees for 15 PhD, 14 Masters students
    - Mentored 1 international research intern (China)

- **Extension**
    - Collaborations with state agencies
        - Dept. of Agriculture, Trade & Consumer Protection
            - Developed and produced Wisconsin K-12 School Integrated Pest Management (IPM) program in collaboration with
                - 75% of Wisconsin's K-12 school districts received training and adopted IPM practices to reduce pesticide use
                - $8,500 US Dept. Agriculture grant for video of School IPM to counties
        - Dept. of Natural Resources
            - Water quality improvement
                - Co-authored state's Nutrient Management rules
                - Developed training program to help Green Industry professionals comply with new state nutrient management rules
        - Invasive species
            - Co-authored or reviewed multiple profiles on real or potential invasive plants
        - Dept. of Transportation
            - Wrote rules for seeding vegetation along state roads
            - Wrote rules for sod selection and management along state roadsides
    - Developed 1st economic impact survey of Wisconsin's $1 billion turf industry, 1999-2001

        - Raised $100,000 in gifts to hire Agricultural Statistics Service
        - Presented to State Legislators, 2001
        - Used results to justify a faculty hire and help faculty secure multiple grants
        - Catalyzed a $130,000 industry-funded grant to evaluate economic impact of the landscape industry
    - Radio show "Garden Talk" monthly during summer
        - 340,000 listeners in Midwest
    - Train county Extension agents
        - ~ 10 new agents trained/year
    - Continuing Education Programs
        - Turfgrass Short Course
            - 30 industry members received equivalent of one 3-credit hour course
            - Generated $19,500 revenue/year
            - University of Minnesota joined as co-host, 2008
        - Nutrient Management Planning
            - Required by law for fertilizer application to > 5 acres
                - ~ 300 industry leaders/year
        - Coordinated pesticide applicator training for ~ 5,000 people/year
        - Held ~ 20 Master Gardener training events/year, ~500 people/year
        - Hosted Professional Grounds Maintenance Short Course
            - Attended by ~400 industry professionals/year
    - Grew prestige and quality of sports fields and managers
        - Regular consultant for Lambeau Field and other stadia
        - Co-founded Wisconsin Sports Turf Managers Association, 1998
            - 2,600 members by 2024
    - Wrote 211 Extension publications (refereed & industry journals, Extension bulletins)
    - Gave 66 mass media interviews (TV, radio)
    - Provided ~140 invited presentations in 14 states
    - Eight grants for Extension programs totaling $304,000
    - Examples of other impacts
        - Authored roadside sod and seed mixtures specifications for Wisconsin Department of Transportation, 2002, 2011
        - Co-authored nutrient management guidelines for Wisconsin's Dept. of Natural Resources Rule 151, 2008
        - Determined designation of various plant species as invasive for Wisconsin's Dept. of Natural Resources, 2010-2011
- **College instruction**
    - Developed 3 new courses
    - Taught 2-3 courses/year
    - Advised ~ 20 undergraduates/year in Horticulture & Pre-Professional programs
    - Advised Badger Turf & Grounds club
    - Mentored 8 honors thesis/undergraduate student researchers
    - Coordinated ~ 10 internships for students/year
    - Completed 2 PhD and 13 Masters students as major advisor
- **Awards**
    - Excellence in Research Award, College of Agricultural & Life Sciences-Agricultural Research Stations, Univ. Wisconsin-Madison, 2011

        - Funded and conducted research at multiple research stations
    - Robert G. and Hazel T. Spitze Land Grant Outstanding Faculty Award, College of Agricultural & Life Sciences and School of Human Ecology, Univ. Wisconsin-Madison, 2010
        - Awarded for excellence in teaching, research, Extension, and service
    - Recognition for School Integrated Pest Management Extension Program, U.S. Environmental Protection Agency, 2003
    - Excellence in Research Award, Seed Research of Oregon, 2002
        - Company changed national lawn seed mixtures based on my research (they supply Mayo Garden Centers)
    - Glen Pound Extension Award, UW-College of Agricultural and Life Sciences, April 2002
        - Awarded to outstanding young to mid-career extension specialist

1992-1997 **Research Assistant (100% FTE), Department of Crop and Soil Sciences, Michigan State University**

- Built and managed world's 1st portable and indoor grass sport field
    - Spent $1.1 million in construction plus labor
    - 1993: Used for 1 game in U.S. Cup, 1 game U.S. women international match
    - World Cup 1994: Four games
        - $120 million local economic impact
        - Described as one of Michigan's top 100 events from 1671-1994 in book "It Happened in Michigan", C. Burcar, 2019
        - Set stage for grant from FIFA World Cup '26 for $3.1 million + $2.4 million research facility with University of Tennessee in 2022
- Constructed world's first controlled environment building for turfgrass
    - Spent $500,000 (state of Michigan grant)
    - Employed and mentored 8 student workers, 1992-94
        - One became a Distinguised Professor at University of Tennessee, one became an Associate Dean for Faculty Affairs at Michigan State University
    - Conducted >24 projects to learn how to manage grass indoors
        - Generated 3 refereed journal articles
        - Instigated numerous funded studies for next five years
        - 2 PhD students conducted their dissertation work in the building

Education

1997 Ph.D., Crop and Soil Sciences, Michigan State University
1991 M.S., Plant Pathology, The Ohio State University
1988 B.S., Agriculture, The Ohio State University
1984 A.A.S., Laboratory Technology, Agricultural Technical Institute-The Ohio State University

ADDENDA

Research, Extension, and Service Details
John C. Stier

Refereed publications

Pease, B.W., and J.C. Stier. 2021. Viability of five fairway turfgrasses with and without chemical inputs. Int. Turfgrass Soc. Res. J. DOI: 10.1002/its2.89

Brosnan, J.T., A. Chandra, R.E. Gaussoin, A. Kowalewski, B. Leinauer, F.S. Rossi, D.J. Soldat, J.C. Stier, J.B. Unruh. 2020. A justification for continued management of turfgrass during economic contraction. Agric. Environ. Letters. DOI: 10.1002/ael2.20033

Soldat, D.J., J.T. Brosnan, Chandra, R.E. Gaussoin, A. Kowalewski, B. Leinauer, F.S. Rossi, J.C. Stier, J.B. Unruh. 2020. Estimating economic minimums of mowing, fertilizing and irrigating turfgrass. Agric. Environ. Letters. DOI: 10.1002/ael2.20032 *Top Cited Article-Wiley Press 2020-21*

Pease, B.W., and J.C. Stier. 2020. Hydroseeding with mesotrione in tankmix for establishment of perennial ryegrass. Agron. J. 112:3429-3434. doi.org/10.1002/agj2.20219

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Singh, S., Y. Sheng, J. Sorochan, J. Stier, M. Mays, J. Zhuang, S. Jagadamma. 2019. Soil 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

Thompson, C., Q. Zhang, M. Kennelly, J. Stier, C. Blume, N. Christians, J. Fry, D. Martin, J. Ostrander, K. Rincker, D. Settle, and D. Soldat. 2019. The dollar spot susceptibility of 25 bentgrasses is consistent across five states in the central U.S.A. Crop Forage Turfgrass Mgt. 5:1-4 doi:10.2134/cftm2018.09.0075

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Jorgensen, N., J. Mink, D. Soldat, J. Stier, and M. Renz. 2018. Effects of soil compaction on the germination and survival of common prairie forbs and grasses in Wisconsin prairie revegetation. Native Plants J. 19(1):4-13.

Pease, B.W., and J.C. Stier. 2018. Nitrogen rate and growth regulator effects on shaded velvet and creeping bentgrasses. Agron. J., 110:2151-2158. doi:10.2134/agronj2018.01.0071

Dickson, K.H., J.C. Sorochan, J.T. Brosnan, J.C. Stier, A.W. Thoms, and J.M. Zobel. 2017. Crumb rubber depth is more important than particle size for improving bermudagrass traffic tolerance. Crop Sci. 57:2837-2842.

Griffith, S., N. Bero, J. Stier, G. Obear, S. Ruis, and D. Soldat. 2017. Biosolids as an alternative fertilizer for Kentucky bluegrass sod production in Wisconsin. Crop Sci. 57:S-227-S-237.

Koch, P.L., J.C. Stier and J.P. Kerns. 2015. Snow cover has variable effects on persistence of fungicides and their suppression of *Microdochium* patch on amenity turfgrass. Plant Path. 12 pgs. Doi: 10.1111/ppa.12379.

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Hathaway, K.L. Diesburg, S.R. Poppe, and R.E. Gaussoin. 2014. Cultivar performance of low-input turfgrass species for the North Central United States. Appl. Turf. Sci. 11(1): p. 1-7. doi:10.20134/ATS-2013-0101-RS.

Koch, P.L., J.C. Stier, S.A. Senseman, S. Sobek, and J.P. Kerns. 2013. Modification of a commercially-available ELISA kit to determine chlorothalonil and iprodione concentration on golf course turfgrass. Crop Protection 54:35-42.

Steinke, K., W.R. Kussow, and J.C. Stier. 2013. Potential contributions of mature prairie and turfgrass to phosphorus in urban runoff. J. Environ. Qual. 42:1176-1184.

Gregos, J., M.D. Casler, and J.C. Stier. 2011. Resistance of closely-mown fine fescue and bentgrass species to snow mold pathogens. Plant Disease 95:847-852.

Lloyd, D.T., D.J. Soldat, and J.C. Stier. 2011. Low-temperature N uptake and utilization of three cool-season turfgrasses. HortScience 46:1545-1549.

Pease, B.W., E.J. Koeritz, D.J. Soldat, and J.C. Stier. 2011. Nitrogen source and rate effects on velvet bentgrass putting green turf. Crop Sci. 51:342-352.

Pease, B., J. Stier, A. Hollman, and B. Horgan. 2011. Nitrogen fertility for establishment of velvet and creeping bentgrass fairways and tees. Online. 8(1):1-8 Appl. Turfgrass Sci. doi: 10.1094/ATS-2011-0517-01-RS.

Stier, J.C., and D.J. Soldat. 2011. Lawns as a source of nutrient runoff in urban environments. Watershed Sci. Bull. *Online: http://www.awsps.org/watershed-science-bulletin.html* (Invited review)

Watkins, E., Fei, S., Gardner, D., Stier, J., Bughrara, S., Li, D., Bigelow, C., Schleicher, L., Horgan, B., and Diesburg K. 2011. Low-input turfgrass species for the north central United States. Online. Appl. Turfgrass Sci. doi:10.1094/ATS-2011-0126-02-RS.

Garrison, M.A., and J.C. Stier. 2010. Cool-season turfgrass colony and seed survival in a restored prairie. Crop Sci. 50:345-356. *Selected by Crop Science Society of America for promotion in their Research Highlight program.*

Garrison, M.A., J.C. Stier, J.N. Rogers, and A.R. Kowalewski. 2009. Cool-season turfgrass survival on two former golf courses in Michigan. Invasive Plant Sci. Manage. 2(4):396-403.

Koeritz, E.J., and J.C. Stier. 2009. Nitrogen rate and mowing height effects on velvet and creeping bentgrasses for low input putting greens. Crop Sci. 49:1463-1472.

Koch, P.L., J.P. Kerns, and J.C. Stier. 2009. Spring time fungicide applications delay and reduce dollar spot disease of turfgrass. J. Intl. Turfgrass Res. Soc. 11:241-252.

Steinke, K., J.C. Stier, and W.R. Kussow. 2009. Prairie and turfgrass buffer strips modify water infiltration and leachate resulting from impervious surface runoff. Crop Sci. 49:658-670.

Stier, J., and B.P. Horgan. 2009. Sensitivity of Kentucky bluegrass (*Poa pratensis* L.) cultivars to bispyribac-sodium herbicide. J. Intl. Turfgrass Res. Soc. 11:1221-1228.

Stier, J.C., and W.R. Kussow. 2009. Golf course fairway runoff and leachate unaffected by nascent vegetative buffer strips. J. Intl. Turfgrass Res. Soc. 11:105-119.

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Ingram, M., J. Stier, and E. Bird. 2008. Relax! It's just a dandelion: Perceived benefits and barriers to urban Integrated Pest Management. Journal of Extension 46(1):1FEA4 (12 pgs)(www.joe.org; verified 25 Feb. 2008)

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Stier, J.C., E.J. Koeritz, and M. Garrison. 2008. Timing the establishment of Kentucky bluegrass:perennial ryegrass mixtures for football fields. HortScience 43(1):240-244.
Stier, J., K. Steinke, J. Schneider, and D. Soldat. 2008. Turf and prairie attenuate water movement and quality similarly in urban environments. Proc. 1st European Turfgrass Society Conf., Pisa, Italy. p. 177-178.
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Stier, J.C. 2007. Understanding and managing environmental stresses of turfgrass. Acta Hort (ISIS) 762:63-80.
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Sorochan, J.C., Rogers III, J.N., Stier, J.C., and D.E. Karcher. 2005. Determination of optimal mowing height for *Poa supina* Schrad. under traffic conditions. J. Intl. Turfgrass Res. Soc. 10:436-440.
Sorochan, J.C., Rogers III, J.N., Stier, J.C., and D.E. Karcher. 2005. Determination of nitrogen and potassium fertilization for *Poa supina* Schrad. grown on a native soil athletic field. J. Intl. Turfgrass Res. Soc. 10:441-445.
Stier, J.C., J. Bae, and G. Jung. 2005. Composition of Kentucky bluegrass and perennial ryegrass mixtures subjected to traffic. J. Intl. Turfgrass Res. Soc. 10:645-653.
Stier, J.C., A. Walston, and R.C. Williamson. 2005. Herbicide runoff from simulated lawn and driveway surfaces. J. Intl. Turfgrass Res. Soc. 10:136-143.
Wang, Z., M.D. Casler, J.C. Stier, J.S. Gregos, and S.M. Millett. 2005. Genotypic variation for snow mold reaction among creeping bentgrass clones. Crop Sci. 45:399-406.
Lisi, R.D., J.K. Park, and J.C. Stier. 2004. Mitigating nutrient leaching with a sub- surface drainage layer of granulated tires. Waste Mgt. 24(8):831-839.
Kenna, M., B. K. Hallman, C.A. Auer, M.D. Casler, A. Hopkins, K.J. Karnok, C. Mallory -Smith, R.C. Shearman, J.C. Stier, C.M. Taliaferro, and F. Yelverton. 2004. Biotechnology-derived, perennial turf and forage grasses: Criteria for evaluation. Council for Agricultural Science and Technology, Ames, IA. Special Publ. 25. 94 pgs. www.cast-science.org (confirmed 10 May 2004).
Steinke, K., and J.C. Stier. 2004. Influence of trinexapac-ethyl on cold tolerance and nonstructural carbohydrates of shaded supina bluegrass. Acta Hort. (ISIS) 661:207-215.
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Casler, M.D., Y. Rangel, J.C. Stier, and G. Jung. 2003. RAPD marker diversity among creeping bentgrass clones. Crop Sci. 43:688-693.
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Stier, J.C., and A.B. Hollman. 2003. Cultivation and topdressing requirements for thatch management in A,G bentgrasses (*Agrostis stolonifera* L.) and creeping bluegrass (*Poa annua* var. *reptans* Hausskn). HortScience 38:1227-1231.
Stier, J.C., D.L. Filiault, and J.P. Palta. 2003. Visualization of freezing progression in turfgrasses using infrared video thermography. Crop Sci. 43:415-420.

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Stier, J., Z. Reicher, and G. Hardebeck. 2000. Effect of the growth regulator Proxy on creeping bentgrass fairway turf. J. Env. Hort. 18:53-58.

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Stier, J.C., and W.W. Shane. 1990. First report of *Magnaporthe poae*, cause of summer patch on annual bluegrass, in Ohio. Plant Dis. 74:252.

Book chapters

Stier, J.C., K. Steinke, E.H. Ervin, F.R. Higginson, and P.E. McMaugh. Turfgrass benefits and issues. 2013. pp. 105-145. *In* J.C. Stier, B.P. Horgan, and S.A. Bonos (eds.) Turfgrass: Biology, use and management. Agron. Monogr. 56. ASA, CSSA, and SSSA, Madison, WI.

Samples, T.J., J.C. Sorochan, L.A. Brilman, and J.C. Stier. 2009. Tall fescue as turf in the United States. p. 445-481. *In* H. Fribourg (ed.) Tall fescue for the Twenty-First Century. Agron. Monogr. 53. ASA, CSSA, and SSSA, Madison, WI.

Stier, J.C., and D.S. Gardner. 2008. Shade stress and management. pp. 447-472. *In* M. Pessarakli (ed.) Handbook of turfgrass physiology and management. CRC Press, Taylor & Francis Group, Boca Raton, FL.

Stier, J.C., and S. Fei. 2008. Cold stress physiology and management of turfgrasses. pp. 473-506. *In* M. Pessarakli (ed.) Handbook of turfgrass physiology and management. CRC Press, Taylor & Francis Group, Boca Raton, FL.

Books edited

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Stier, J.C. 2007. Measuring cold stress responses in turfgrasses. HortScience 42(4):815.

Steinke, K., and J. C. Stier. 2006. Frozen groundwater trumps vegetated buffer strips for

controlling urban runoff. *In* Soil and water conservation society 2006 abstracts. Soil and Water Conservation Society, Ankenny, IA. p. 15.

Stier, J.C. 2006. Invasiveness of amenity grasses in the continental United States. *In* 2006 Southern Weed Science Soc. Conf. Proc. 59:248, Symposia on Invasive Grasses and Sedges: Deep-Rooted Issues.

Stier, J.C. 2005. Research on invasiveness of amenity grasses into natural areas. Amer. Soc. Agron. abstracts, ASA/CSSA/SSSA, Madison, WI.

Contributed Papers and/or Abstracts

Burbrink, C., K.J. Walters, K.H. Dickson, J.N. Rogers, J.C. Stier, E. Fidan, J.C. Sorochan. Optimizing turfgrass growth conditions: Light intensity and photoperiod effects on *Poa pratensis* and *Lolium perenne* in indoor stadiums. ASA, CSSA, SSSA International Annual Meeting, 10-13 Nov. 2024.

Burbrink, C., I. Navarette, K. Dickson, R. Fielder, T. Williams, J. Stier, J. Kilby, J. Guevara, R. Bearss, E. Rogers, J. Rogers, K. Walters, and J. Sorochan. Impact of ball drop height on ball rebound height for natural turfgrass systems. Intl. Conf. Engineering of Sport. Loughborough, England, 8-11 July 2024

Dickson, K.H., M. Layne, I. Navarrete, J. Stier, B. Horvath, C. Burbrink, R. Fielder, T. Williams, R. Bearss, J. Guevara, E. Rogers, J. Kilby, J. Rogers, and J.C. Sorochan. Comparing three hybrid bermudagrass (Cynodon dactylon x C. transvaalensis) cultivars for their use on football fields in the United States transition zone. Intl. Conf. Engineering of Sport. Loughborough, England, 8-11 July 2024

Dickson, K.H., J. Thomas, T. Carr, C. Burbrink, J. Stier, and J.C. Sorochan. Adjustment of football exit velocities between turfgrass species. Intl. Conf. Engineering of Sport. Loughborough, England, 8-11 July 2024

Ottinger, S.L., J. Stier, S. Jagaddama, S. Schaeffer, L. Schneider. Tropical soil health and agricultural effects in the Vaca Forest Reserve, Belize. ASA, CSSA, and SSSA Annual Meetings, Baltimore, MD, 4-7 Nov. 2018.

Stier, J.C., J.H. Baird, A. Chandra, M.T. Elmore, J. Henderson, D.E. Karcher, K.L. Kopp, M. Schiavon, E. Watkins. 2018. Documenting water use for turfgrasses in the United States. ASA, CSSA, and SSSA Annual Meetings, Baltimore, MD, 4-7 Nov. 2018.

Dickson, K.H., J.C. Sorochan, J.C. Stier, J.T. Brosnan. 2015. Comparison of cultivation technologies for use on creeping bentgrass putting greens. ASA, CSSA, and SSSA Annual Meetings, Minneapolis, MN, 15-18 Nov. 2015.

Dickson, K.H., J.C. Sorochan, G.C. Munshaw, J. Stier, and J.T. Brosnan. 2015. Soil moisture effects on wear tolerance of native soil bermudagrass athletic fields. ASA, CSSA, and SSSA Annual Meetings, Minneapolis, MN, 15-18 Nov. 2015.

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Thoms, A., J.C. Sorochan, J.T. Brosnan, J.C. Stier, and T.J. Samples. 2014. New bermudagrass cultivar performance under simulated athletic traffic. ASA, CSSA, and SSSA Annual Meetings, Long Beach, CA, 2-6 Nov. 2014.

Dickson, K. H., Sorochan, J. C., Brosnan, J.T., Stier, J. C., Thoms, A. 2013. Crumb rubber particle size and topdressing depth to improve bermudagrass athletic field performance. ASA, CSSA and SSSA Annual Meetings, Tampa, FL, 3-6 Nov. 2013. p. 80034.

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Garrison, M. A., Stier, J. C., Soldat, D. J., Kerns, J., Williamson, R. C. 2012. Aesthetic quality and emissions of nitrous oxide of synthetic and organic fertilizer programs for recently established turf. *3rd European Turfgrass Society Conference Proceedings*

Koch, P. L., Stier, J. C., Kerns, J. P. 2012. Effect of snow cover on the degradation of the fungicides iprodione and chlorothalonil on golf course turfgrass. *3rd European Turfgrass Society Conference Proceedings*

Mink, J., Renz, M., and J. Stier. 2012. Do native plant mixtures reduce invasions along roadsides in Wisconsin? Terrestrial Invasive Plant Species Conference, Sault St. Marie, Ontario, Canada, 20-22 August 2012. p. 32

Pease, Benjamin; Stier, John; Kerns, James. 2011. Fungicide requirements and water use of five fairway turf types. 2011 International Annual Meetings, ASA-CSSA-SSSA, San Antonio, TX 16-20 Oct. 2011 [Abstracts] p. 66625

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Ruis, S., Stier, J., Soldat, D. 2011. Carbon sequestration during sod production using biosolids. 2011 International Annual Meetings, ASA-CSSA-SSSA, San Antonio, TX 16-20 Oct. 2011 [Abstracts] p. 64226.

Verbeten, R., Stier, J., Kerns, J., Soldat, D. 2011. Phosphorus fertilization and mycorrhizal inoculation for establishing sand-based putting greens. 2011 International Annual Meetings, ASA-CSSA-SSSA, San Antonio, TX 16-20 Oct. 2011 [Abstracts] p. 65299

Verbeten, R., Stier, J., Kerns, J., Soldat, D. 2011. Sand pH effects on growth and mycorrhizal colonization of velvet and creeping bentgrasses. 2011 International Annual Meetings, ASA-CSSA-SSSA, San Antonio, TX 16-20 Oct. 2011 [Abstracts] p. 65399

Griffith, S., D. Soldat, and J. Stier. 2010. The effect of biosolids on Kentucky bluegrass

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Koch, P., J. Kerns, and J. Stier. 2010. Degradation of the fungicides iprodione and chlorothalonil on golf course turfgrass under winter conditions. 2010 International Annual Meetings, ASA-CSSA-SSSA, Long Beach, CA. 31 Oct. – 4 Nov. 2010 [Abstracts] p. 61136.
Lloyd, D.T., D.J. Soldat, and J.C. Stier. 2010. Low temperature nitrogen uptake by cool-season turfgrasses. *In* A. Zuin (ed.) 2nd European Turfgrass Soc. Conf. Proc. p. 114-115. 11-14 April, Angers, France.
Pease, B., and J. Stier. 2010. Nitrogen rate and growth regulator effects on shaded velvet and creeping bentgrasses. 2010 International Annual Meetings, ASA-CSSA-SSSA, Long Beach, CA. 31 Oct. – 4 Nov. 2010 [Abstracts] p. 57817.
Pease, B., J. Stier, A. Hollman, and B. Horgan. 2010. Establishment fertility of velvet and creeping bentgrass fairways. 2010 International Annual Meetings, ASA-CSSA-SSSA, Long Beach, CA. 31 Oct. – 4 Nov. 2010 [Abstracts] p. 60208.
Ruis, S., and J. Stier. 2010. Carbon dioxide fluxes in biosolid-amended soils during turfgrass establishment. 2010 International Annual Meetings, ASA-CSSA-SSSA, Long Beach, CA. 31 Oct. – 4 Nov. 2010 [Abstracts] p. 58810.
Zhang, Q., C. Blume, J. Bryan, N. Christians, K. Diesburg, K. Frank, J. Fry, D. Gardner, M. Kennelly, D. Martin, K. Rincker, D. Settle, D. Soldat, J. Stier, and C. Thompson. 2010. Multi-state evaluation of dollar spot susceptibility in creeping bentgrass. 2010 International Annual Meetings, ASA-CSSA-SSSA, Long Beach, CA. 31 Oct. – 4 Nov. 2010 [Abstracts] p. 59770.
Koch, P. L., J. Kerns, and J. Stier. 2009. Determining fungicide degradation on golf course turfgrass under winter conditions using commercially available ELISA kits. *Int. Ann. Meet.* p. [55504].
Koch, P. L., J. P. Kerns, and J. C. Stier. 2009. Fungicide concentration analysis on creeping bentgrass leaf blades using commercially available ELISA kits for the control of *Microdochium nivale*. *Phytopathology.* 99(6):p. S66.
Kruse, J., and J. Stier. 2009. *Deschampsia* as a native, shade tolerant turfgrass. ASA/CSSA/SSSA annual conf., CD.
Lloyd, D., D.J. Soldat, J. Stier, B. Horgan, and A. Hollman 2009. Response of creeping bentgrass to fall-applied nitrogen on sand and soil putting greens in the Upper Midswest. ASA/CSSA/SSSA annual conf., CD.
Pease, B., E. Koeritz, J. Stier, and D. Soldat. 2009. Nitrogen effects on quality of velvet bentgrass grown on sand and soil putting greens. ASA/CSSA/SSSA annual conf., CD.
Stier, J., M. Garrison, E. Luschei, and M. Casler. 2009. Golf courses as a source of potentially invasive C3 grasses. ASA/CSSA/SSSA annual conf., CD.
Garrison, M.A., and J.C. Stier. 2008. Cool-Season Turfgrass Survival in Restored Wisconsin Prairies. ASA/CSSA/SSSA annual conf., CD.
Koeritz, E.J., J.C. Stier, and D. Soldat. 2008. Nitrogen source and rate effects on velvet bentgrass putting greens. ASA/CSSA/SSSA annual conf., CD.
Watkins, E., S. Fei, J. Stier, S. Bughrara, D. Li, D. Gardner, C. Bigelow, B. Horgan, K. Diesburg, S. Andresen. 2008. Low input sustainable turfgrass species for the North Central Region. ASA/CSSA/SSSA annual conf., CD.
Garrison, M.A., J.C. Stier, J.N. Rogers, III, and A. Kowalewski. 2008. Cool-season turfgrass succession on two former golf courses in Michigan ASA/CSSA/SSSA annual conf., CD.
Schneider, J., J. Stier, and D. Soldat. 2007. Controlling urban runoff: One rain garden at a time. ASA/CSSA/SSSA, Madison, WI [CD].

Stier, J., and W. Kussow. 2007. Impact of prairie and turf buffer strips on golf course runoff and leachate. ASA/CSSA/SSSA, Madison, WI [CD].

Stier, J.C., E.J. Koeritz, and M. Garrison. 2007. Best seed mixture for establishment of cool-season sports turf at different seasons. ASA/CSSA/SSSA, Madison, WI [CD].

Koeritz, E., and J.C. Stier. 2006. Developing an environmentally sustainable golf course: Management of velvet bentgrass putting greens. ASA/CSSA/SSSA, Madison, WI [CD].

Stier, J., B. Horgan, J.L. Schneider, A. Hollman, and K. Morris. 2006. Kentucky bluegrass cultivar sensitivity to bispyribac-sodium. ASA/CSSA/SSSA, Madison, WI [CD].

Stier, J.C., J.N. Rogers, III, T. VanLoo, and A. Kowalewski. 2006. Survival of creeping bentgrass and Kentucky bluegrass on defunct golf courses. *In* North Central Weed Sci. Soc. annual conference abstracts, Champaign, IL, p. 10.

Invited research presentations (scientific audiences)

Post-secondary Education for the Circular Bioeconomy of Agriculture and Natural Resources. Circular Bioeconomy Systems for Urban-Rural Co-Prosperity International Conference, Buenos Aires, Argentina, 30 November-2 December 2022.

Projections of College-Bound Students Bring Challenges & Opportunities for Recruitment. Crop Science Society of America conference, Baltimore, MD, 6-9 November 2022

From World Cup Soccer to the Environment and Back Again-A Journey of Turfgrass Science, Dept. Agronomy & Horticulture, Univ. Nebraska-Lincoln. 1 April 2022.

Lawns, Society & Our Environment. UT Science Forum, Knoxville, TN. 4 February 2022. https://scienceforum.utk.edu/science-forum-videos/spring-2022-science-forum-videos/

Genesis Evolving: New genetic modification techniques and their impact on regulation and policy, Biotechnology Literacy Project, Univ. California-Davis, Davis, CA, 1-3 June 2015

Turfgrass, Society, and the Environment. Plant Sciences Dept., University of Missouri, Columbia, MO, 23 October 2013

Insecticide runoff from simulated lawn and driveway surfaces. 244th American Chemical Soc. National Meeting and Exposition, Philadelphia, PA, 19-23 August 2012

Impact of Buffers on Nutrient Transport, New Jersey Nutrient Management of Urban and Suburban Landscapes for Surface and Ground Waters, Rutgers EcoComplex, Bordentown, NJ, 13 May 2010. **Impact: Document produced from the summit was used in development of NJ nutrient application regulations effective 2011.**

Rain Gardens, Urban Runoff, and Groundwater Recharge. College of Biological and Environmental Sciences, Rutgers University, New Brunswick, NJ, 11 January 2010

Environmental impact of turf, urban prairie and rain gardens on water quality and groundwater recharge. Univ. Illinois Dept. Natural Resources and Environmental Sciences, Urbana, IL, 16 March 2009

Measuring cold stress responses in turfgrass, Amer. Soc. Hort. Sci. annual conference, Scottsdale, AZ, 16-18 July 2007

Understanding and managing environmental stresses of turfgrass, 27th International Horticulture Congress, Seoul, South Korea, 13-19 Aug. 2006

Peer-review process and merits of scientific publications, Felly Seminar Series, ASA/CSSA/SSSA, Madison, WI, 25 Aug. 2006

Invasiveness of amenity grasses in the continental United States, Southern Weed Sci. Soc. Conf., San Antonio, TX, 23-25 Jan. 2006

Fairway buffer strips at Wisconsin River Golf Club, United States Golf Assoc. annual meeting, St. Paul, MN, 21-23 June 2005

Research on invasiveness of amenity grasses into natural areas, Crop Science Soc. of America, C-5 Division, Symposium on invasive grasses, ASA/CSSA/SSSA conf., Salt Lake City, UT, 6-10 Nov. 2005

Weed science and invasive species concerns for biotechnology-derived grasses, Council for Agriculture, Science, and Technology and USDA Perennial Grass Biotech Workshop, Baltimore, MD, 9-10 January 2003

Competitive grants

External grants (since promotion to associate professor)

FIFA 2026 World Cup Soccer-Extended. Federation Internationale de Football Association (FIFA) $1.1 million. J.C. Sorochan and J.C. Stier. 2025-2026.

Broadband-enabled precision agriculture: 5G in turfgrass science and education. Greig, J.A., J. C. Stier, J.C. Sorochan, S.I.Ruoti, J. Weinhandl, E.T. Parker, C. Furst, B.J. DeLozier, A. Hill, R. Rutledge, A. Albrecht, S. Wilson, C. Weems. 2023. Univ. Tennessee-AT & T. 9/1/23-8/31/25. $75,000.

FIFA 2026 World Cup Soccer Project. Federation Internationale de Football Association (FIFA). J.C. Sorochan and J.C. Stier. 2022-2024. $5.5 million. Award included construction of $2.4 million controlled environment research building.

Stay in the game: First quarter, Increasing participation of diverse populations in the plant sciences using turfgrass science as an entry point. USDA-NIFA Higher Education Challenge Grant. Horvath, B., J. Sorochan, and J. Stier. 12/15/18-12/31/19. $11,596

Strengthening US agriculture with multidisciplinary international undergraduate research and extension experiences. USDA-NIFA. Willcox, A., J. Stier, E. Willcox, W. Giuliano, D. Butler, D. Hodges, L. Watine, A. Kaeser, M. Andreu, T. Gill, R. Manzanero, J. Ricketts, O. Bolden-Tiller. 10/1/16-9/30/19. $281,236.

Documenting water use for turfgrasses in the United States. J. Stier, K. Kopp, E. Watkins, M. Elmore, J. Henderson, J. Baird. Turfgrass Producers International. 7/1/15-6/30/18. $66,197.

Improving roadside seed mixture establishment. M. Renz and J. Stier. Wisc. Dept. Transportation. 1/1/14-12/31/16. $67,476.

Identifying low maintenance, invasive-resistant roadside seed mixtures. J. Stier and M. Renz. Wisc. Dept. Transportation. 1/1/11-12/31/15. $49,600.

Perennial ryegrass cultivar evaluation. J. Stier. National Turfgrass Evaluation Program. 9/1/10-10/1/15. $8,500.

Sustainable urban landscape management for Wisconsin. D. Soldat, J. Stier, V.Pandian, K. Krokowski. USDA-CSREES. 5/1/10-4/30/11. $31,335.

Increasing the economic and environmental sustainability of sod production using biosolids. D.J. Soldat, J. Stier, J. Kerns, E. Ervin, G. Evanylo, C. Kome, P. Mitchell, R.C. Williamson, R. Wolkowski. USDA-Specialty Crops Research Initiative. 10/1/08-10/1/12. $485,085.

Bentgrass fairway cultivar evaluation. J. Stier. National Turfgrass Evaluation Program. 9/1/08-10/1/13. $10,000.

Fine fescue fairway cultivar evaluation. J. Stier. National Turfgrass Evaluation Program. 9/1/08-10/1/13. $10,000.

Degradation rate of the fungicides chlorothalonil and iprodione in the absence of snow cover for the control of Microdochium patch on turfgrass, P. Koch, J. Stier, and C. Grau. Golf Course Superintendents Association of America. 3/1/08-2/28/10. $16,000.

Landscaping for better water resources, Part II. J. Stier. USDA-CSREES. 9/1/06-8/31/07.

$48,785.

Tall fescue cultivar evaluation for home lawns. J.Stier. National Turfgrass Evaluation Program. 9/1/06-10/1/12. $12,500.

2005 Kentucky bluegrass cultivar test. National Turfgrass Evaluation Program. J. Stier. 9/1/05-10/1/11. $23,760.

Management systems for velvet bentgrass. Northern Great Lakes Golf Course Superintendents Association. J. Stier. $3,000. 4/1/06-10/30/06.

Velvet bentgrass research for sustainable Midwestern golf courses. J. Stier. Wisconsin Golf Course Superintendents Association. 3/1/06-2/28/07. $18,000.

2005 Kentucky bluegrass cultivar test. National Turfgrass Evaluation Program. J. Stier. 9/1/05-10/1/11. $23,760.

2005 Kentucky bluegrass cultivar test for fairways subjected to golf cart traffic J. Stier. National Turfgrass Evaluation Program. 9/1/05-10/1/11. $23,760.

Sustainable turf management and water use. USDA-CSREES. J.Stier. $38,600. 6/1/05-5/31/06.

2004 Perennial ryegrass cultivar evaluation for home lawns. National Turfgrass Evaluation Program. J. Stier. 9/1/04-8/30/09. $15,000.

2003 Bentgrass cultivar evaluation for putting greens. J. Stier. National Turfgrass Evaluation Program. 8/1/03-10/1/08. $12,000.

2003 Bentgrass cultivar evaluation for fairways. J. Stier. National Turfgrass Evaluation Program. 8/1/03-10/1/08. $14,000.

2003 Fine fescue cultivar evaluation for fairways. J.Stier. National Turfgrass Evaluation Program. 9/1/03-10/1/08. $15,000.

Reducing pesticide use and risk in urban landscapes. U.S. Environmental Protection Agency. E.A. Bird and J.C. Stier. $40,000. 9/15/03-9/14/05.

Turf stress from deicing agents. Cargill Inc. J. Stier. $3,000.12/1/04-6/1/05.

Velvet bentgrass management for putting greens Wisconsin Golf Course Superintendents Association. J. Stier. $7,500. 4/1/05-12/31/05.

Development and testing of “Metromix”: A premium biosolid material for nursery, turf, and horticultural use. Dane County, WI. R. Wolkowski, B. Lowery, and J. Stier. 3/1/06-5/31/08. $70,000.

Turf stress from deicing agents. Cargill Inc. J. Stier. $3,000.12/1/04-6/1/05.

Turf phytoxicity from liquid deicers. Cargill, Inc. J. Stier. $3,000. 12/1/03-6/1/04.

Evaluation of seeded cellulose mats for turf establishment. Blue-Yellow Corp. J. Stier. $10,000. 6/1/04-9/30/05.

Velvet bentgrass for low input putting greens Wisconsin Golf Course Superintendents Assoc. J. Stier. $8,000. 4/1/04-12/30/04.

Cold tolerance of tall fescue. Wisconsin Turfgrass Association. J. Stier. $7,500. 3/1/03-2/28/04.

Interaction of fungicide and plant growth regulators on shaded turf. Bayer. J Stier and J. Gregos. $8,150. 5/1/03-9/30/03.

Cold tolerance of tall fescue Wisconsin Turfgrass Association.. J. Stier. $7,500. 3/1/03-2/28/04.

Buffer strips and fairway runoff at Wisconsin River Golf Course. Northern Great Lakes Golf Course Superintendents Association. J. Stier. $7,500. 3/1/03-2/19/06.

Vegetative buffer types and sizes for controlling fairway runoff. United States Golf Association. J. Stier and W. Kussow. 2/1/03-1/31/06; $36,145.

<u>Internal University Grants</u> (since promotion to associate professor)

Alternative sod production species for mitigating global climate change through reduced

greenhouse gas emissions. J. Stier. UW-Hatch. 10/1/11-9/30/15. $179,322.

Do biosolid additions to sod production fields enhance soil carbon storage? Stier, J., and D.J. Soldat. UW-Hatch. 10/1/10-9/31/12. $55,970.

Low temperature nitrogen uptake in grasses. Interdisciplinary Hatch. University of Wisconsin College of Agricultural and Life Sciences. D. Soldat and J.Stier. UW-Hatch. 10/1/08-9/30/11. $81,797.

Are sod farms a source for invasive grasses into natural areas? J. Stier. UW-Hatch. 10/1/06-9/30/10. $106,105.

Non-competitive funding: ~ $1.5 million since 1997

Graduate Student Mentoring

Primary advisor

Mark Garrison, PhD, Univ. Wisconsin-Madison, 2009-2013
Ben Pease, MS, Univ. Wisconsin-Madison, 2009-2012
Sabrina Ruis, MS, Univ. Wisconsin-Madison, 2010-2012
Joslyn Mink, MS, Univ. Wisconsin-Madison, 2010-2012
Eric Koeritz MS, University of Wisconsin-Madison, 2004-2007
Kurt Steinke PhD, University of Wisconsin-Madison, 2002-2006
Mark Garrison, MS, Horticulture, University of Wisconsin-Madison, 2006-2008
Jake Schneider, MS, Horticulture, University of Wisconsin-Madison, 2005-2007
Bob Lisi, MS, Civil Engineering, University of Wisconsin-Madison, 2001-2003 (co-advisor)
Andrew Hollman, MS, Horticulture, University of Wisconsin-Madison, 2001-2004
Kurt Steinke MS, Horticulture, University of Wisconsin-Madison, 1999-2002
Alison Walston, MS, Entomology, University of Wisconsin-Madison, 1999-2001 (co-advisor)
Daniele Filiault, MS, Horticulture, University of Wisconsin-Madison, 1997-1999

Committee member

Madalyn Walker, PhD, Higher Education Administration, University of Tennessee, 2024-present
Ryan Bearss, PhD, Crop & Soil Sciences, Michigan State University, 2023-present
Conlan Burbrink, PhD, Plant Sciences, University of Tennessee, 2023-present
John Thomas, MS, Plant Sciences, University of Tennessee, 2020-2024
Mathew Lane, MS, Plant Sciences, University of Tennessee, 2018-2021
Kyley Dickson, PhD, Plant Sciences, University of Tennessee, 2014-2017
Cory Yurisic, MS, Plant Sciences, University of Tennessee, 2014-2016
Kyley Dickson, MS, Plant Sciences, University of Tennessee, 2012-2014
Paul Koch, PhD, Plant Pathology, University of Wisconsin-Madison, 2008-2012
Shane Griffiths, MS, Soil Science, University of Wisconsin-Madison, 2010-2012
Brad Debels, MS, Soil Science, University of Wisconsin-Madison, 2009-2011
Mike Copas, PhD, Horticulture, University of Wisconsin-Madison, 2006-2010
Bill Kreuser, MS, Soil Science, University of Wisconsin-Madison, 2008-2010
John Kaufmann, PhD, Plant Sciences, University of Tennessee, 2007-2010
Daniel Lloyd, MS, Soil Science, University of Wisconsin-Madison, 2007-2009
Marie Johnson, PhD, Soil Science, University of Wisconsin-Madison, 2005-2009
Ana Tapsieva, MS, Soil Science, University of Wisconsin-Madison, 2006-2008
Paul Koch, MS, Plant Pathology, University of Wisconsin-Madison, 2005-2007
Rick Belding, MS, Horticulture, University of Wisconsin-Madison, 2005-2006

Sarah Stackpoole, PhD, Horticulture, University of Wisconsin-Madison, 2004-2008
Nanda Chakraborty, PhD, Plant Pathology, University of Wisconsin-Madison, 2003-2006
Joe Curley, PhD, Plant Pathology, University of Wisconsin-Madison, 2003-2006
Dana Bauman, MS, Horticulture, University of Wisconsin-Madison, 2001-2003
Senay Ozgen, MS, Horticulture, University of Wisconsin-Madison, 2000-2003
Les Werner, PhD, Horticulture, University of Wisconsin-Madison, 2000-2004

Extension

Publications

Refereed Bulletins

Soldat, D., and J. Stier. 2011. Watering your lawn. UW Extension bull. A3950. 4 pgs.
Soldat, D., J. Stier, J. Kerns, and C. Williamson. Organic and reduced-risk lawn care. UW Extension bull. A3958. 8 pgs.
Stier, J.C. 2006. Growing Grass in Shade. UW Extension bull. A3700. 6 pgs.
Stier, J.C. 2001. Supina bluegrass for lawns, golf courses, and athletic fields. UW Extension bull. A3759. 4 pgs.
Stier, J.C. 2001. Lawn establishment and renovation. UW Extension bull. A3434. 8 pgs.
Stier, J.C. 2000. Lawn aeration and topdressing. UW Extension bull. A3710. 4 pgs.

Online Industry blogs

Stier, J. 2010. How golf courses prepare for the season's rush. [Online] Available at http://blog.debugthemyth.com/?p=161 (verified 10/20/2010). Washington, DC: Responsible Industry for a Sound Environment.
Stier, J. 2010. How to control winter weeds. [Online] Available at http://blog.debugthemyth.com/?p=132 (verified 10/20/2010). Washington, DC: Responsible Industry for a Sound Environment.
Stier, J. 2010. IPM 101: Pest management in schools. [Online] Available at http://blog.debugthemyth.com/?p=89 (verified 10/20/2010). Washington, DC: Responsible Industry for a Sound Environment.

Industry journals

Pease, B.W., and J.C. Stier. 2019. Velvet vs. creeping: Shining some light on managing bentgrasses in shade. Golf Course Manage. 87(12):70-75.
Koch, Paul L.; Stier, John C.; Kerns, James P. 2015. Snow mold fungicide persistence: How long do snow mold fungicides persist in variable winter conditions, and how does persistence affect disease control? Golf Course Manage. August. 83(8): p. 89-93.
Watkins, E., D.S. Gardner, D.J. Soldat, R.A. St. John, N.E. Christians, A.D. Hathaway, K.L. Diesburg, S.R. Poppe, R.E. Gaussoin, and J. Stier. 2015. Low-input turfgrasses for the North-Central United States. Golf Course Manage. Golf Course Manage. 83(2):133-138.
Lloyd, D., D. Soldat, and J. Stier. 2012. Low temperature nitrogen uptake. TurfGrass TRENDS. Nov., p. 33-37.
Soldat, D., S. Griffith, E. Ervin, G. Evanylo, D. Cataldi, and J. Stier. 2012. Biosolids-based sod production. TurfNews. May/June 36(3), p. 26-28.
Soldat, D., J. Stier, J. Kerns, and R.C. Williamson. 2011. Organic and reduced-risk lawn care.

UWExtension bull. A3958. 8 pp.
Stier, J. 2010. Determining the invasive potential of golf course grasses in restored prairies. The Grass Roots 39(2):5-9.
Stier, J. 2010. Can mycorrhizae replace phosphorus fertilization? The Grass Roots 39(3):5-7.
Stier, J. 2010. Golf-one of our most sustainable human activities. The Grass Roots 39(4):4-5,7.
Stier, J. 2010. I'm seeding a new putting green: what about cultivar X? The Grass Roots 39(5):4-5, 7.
Stier, J. 2010. Ice caps: An ecological approach to *Poa* control? The Grass Roots 39(6):4-5, 7.
Ervin, E., G. Evanylo, D. Soldat, and J. Stier. 2009. Biosolids for sod production: An introduction to our USDA-funded project. Virginia Turfgrass J. May/June:22-25.
Pease, B., and J. Stier. 2009. Mesotrione: A multi-purpose tool for weed control. The Grass Roots 38(2):5-7.
Stier, J. 2009. Leadership. The Grass Roots 38(1):5-9.
Stier, J. 2009. New NR40 Rule Targets Invasive Species. The Grass Roots 38(3):5-7.
Stier, J. 2009. Velvet touch. Golf Course Industry 21(6):72-76.
Stier, J. 2009. Managing shaded turf, Part I: Why shaded putting greens go down in the summer. The Grass Roots 38(4):5, 7.
Stier, J. 2009. Managing shaded turf, Part II: Better success through research. The Grass Roots 38(5):5, 6-7, 9-11.
Stier, J. 2009. Research: Velvet touch. Golf Course Industry 21(6):72, 74-76.
Stier, J. 2009. Velvet bentgrass and sustainable golf? Turfgrass Trends. Nov.:66, 68.
Stier, J., and W. Kussow. 2009. Buffer strips, runoff, and leachate at Wisconsin River Golf Course: UW-Madison research aims at smart legislation. The Grass Roots 38(6):5-7,9.
Koch, P., J. Stier, and C. Grau. 2008. Degradation of fungicides in the absence of snow cover. Golf Course Mgt. 76(5):138.
Schneider, J., and J. Stier. 2008. Rain gardens and urban water quality. Golf Course Mgt. 76(3):129.
Stier, J.C. 2008. Growing great turf in shade. Amer. Nurseryman 207(5):22-36.
Stier, J.C. 2008. Choosing the best time for seeding mixtures of Kentucky bluegrass and perennial ryegrass. SportsTurf 24(9):8,10.
Stier, J. 2008. Pay it forward. The Grass Roots 37(6):5-9.
Stier, J. 2008. Buttoning up for winter. The Grass Roots 37(5):7, 9.
Stier, J. 2008. Controlling rough bluegrass in bentgrass fairways. The Grass Roots 37(4):5-7.
Stier, J. 2008. Restoring greens after winterkill: There's always hope! The Grass Roots 37(3):5-7.
Stier, J. 2008. Tenacity™ emerges as a new herbicide for turfgrass establishment. The Grass Roots 37(2):5-7.
Stier, J. 2008. Late Season Golf: To Play or Not to Play. The Grass Roots 37(1):5, 7, 8-9, 11.
Stier, J. 2008. UW turf graduate students win national recognition. Green Side Up 31(2):1, 6.
Horgan, B., A. Hollman, E. Koeritz, and J. Stier. 2007. Fine fescues and colonial bentgrassess for fairways. Golf Course Mgt 75(5):112-117.
Stier, J. 2007. Be "Wowed!" by Wisconsin Research. TurfNews 30(3):22-24, 26, 28.
Stier, J. 2007. TurfNet survey misses the mark. The Grass Roots 36(6):5, 7, 8-9, 11.
Stier, J. 2007. Techno-turf management. The Grass Roots 36(5):5, 7, 8-9, 11, 13.
Stier, J. 2007. Safety of Velocity™ on Kentucky bluegrass cultivars maintained at fairway height. The Grass Roots 36(4):17, 19, 21.
Stier, J. 2007. New formulation and application strategies for Poa annua

control with Velocity herbicide. The Grass Roots 36(3):5-7, 9, 11.
Stier, J. 2007. What does it mean to be organic? The Grass Roots 36(2):5-7, 9.
Stier, J. 2007. For the common good: A national turfgrass research initiative. The Grass Roots 36(1):5-7, 9.
Stier, J.C. 2006. Growing Grass in Shade. UWEX bull. A3700. 6 pgs. (revised from 1999 edition)
Stier, J. 2006. A short history of creeping bentgrass. The Grass Roots 35(1):4-5, 7, 9.
Stier, J. 2006. A brief review of turfgrass growth regulators. The Grass Roots 35(2):4-5, 7, 9.
Stier, J. 2006. Shorter mowing heights are hazardous to summer health. The Grass Roots 35 (3):4-5, 7, 9.
Stier, J. 2006. Time to check out the interim Wisconsin DNR turf nutrient management standards. The Grass Roots 35(4):4-7, 9.
Stier, J. 2006. Autumn turf management for best winter hardiness. The Grass Roots 35(5): 6-7, 9, 10-11.
Stier, J. 2006. A great summer for crabgrass. The Grass Roots 35(6):5-7.
Stier, J. 2005. Misguided phosphorus restrictions could impact field management. SportsTurf. Vol. 21(8):8, 10.
Stier, J., and M. Ingram. 2005. Improving Green Industry Business with Integrated Pest Management. Green Side Up. Vol. 28(10):39.
Stier, J. 2005. Spotlight on Spotlight™. The Grass Roots. Vol. 34(6):4-5, 7.
Stier, J. 2005. Preparing for winter. The Grass Roots. Vol. 34(5):4-5, 7, 9, 10.
Stier, J. 2005. Madison's push for pesticide-free golf courses. The Grass Roots. Vol. 34(4):4-5, 7.
Stier, J. 2005. Take advantage of *Poa annua* winterkill: Increase bentgrass on putting greens. The Grass Roots. Vol. 34(3):4-5, 7, 9.
Stier, J. 2005. When ice kills. The Grass Roots. Vol. 34(2):4-5, 7.
Stier, J. 2005. Constructing sand based putting greens to reduce nitrogen leachate. The Grass Roots. Vol. 34(1):4-5, 7.
Jung, G., and J. Stier. 2004. Unwanted friend at the TDL this year – Poa trivialis. The Grass Roots 33(1):19,21.
Stier, J. 2004. Blends and Mixtures for athletic fields in the cool-season regions. SportsTurf 20(4):14 and at www.greenmediaonline.com (verified 28 Jan. 2005)
Stier, J. 2004. Plant growth regulators and mowing reduction. The Grass Roots 33(1):5,7.
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Stier, J. 2003. Of rivers, fairways, and buffers. The Grass Roots 32(1):5-7.
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Stier, J. 2003. How herbicides work: Part III-Fate and environmental impact. The Grass Roots 32(5):5-7, 9, 11.
Stier, J. 2003. Managing the new 'alpha' bents. Ground Maint. Vol 38(8):G1-2, 4-5.
Stier, J. 2003. Covering up for winter. The Grass Roots 32(6):
Tomasko, S., R. Flashinski, J. Stier, and C. Williamson. 2003. Pesticide Applicator's Training Manual, Turf & Ornamentals Category 3.0. 275 pgs.

Newsletter articles (2003-2010)

Stier, J. 2010. The Foley Bill: A harbinger for Wisconsin pesticide use? Wisc. Turfgrass News XXIV(1):11 (reprinted in Green Side Up, Vol. 33(7):33.
Stier, J. 2010. New! Imprelis™ turf herbicide for post-emergent weed control. Wisc. Turfgrass News XXIV(3):5.
Stier, J., and D. Soldat. 2010. UW-Madison graduate students win national honors. Wisc. Turfgrass News XXIV(3):5.
Stier, J. 2009. Turfgrass Rules at Grandparents University. Wisconsin Turfgrass News 28(2):10-11.
Stier, J. 2009. Buffer strips on golf courses may not be necessary. Wisconsin Turfgrass News 28(3):3.
Stier, J.C., and S.E. Mahr. 2008. Identification and management of Creeping Charlie. UW-Extension X-series bull.
Stier, J. 2007. UW Turf graduate students win national recognition. Wisc. Turfgrass News XXV(3):7.
Stier, J. 2007. New herbicides offer turf managers better options. WSTMA News 9(1):15.
Stier, J.C. 2006. New DNR nutrient management standards for turf. Wisc. Turfgrass News XXIV(2):4.
Stier, J. 2006. Pesticide certification: Would continuing education beat re-testing? Wisc. Turfgrass News XXIV(3):12.
Stier, J. 2006. Reprinted in Wisconsin Sports Turf Managers Association News 8(4):10-11.
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Stier, J. 2006. Reprinted in Wisconsin Sports Turf Managers Association News 8(4):17. The school of turfgrass management gets you up to speed. Wisc. Turfgrass News XXIII(3):8.
Horgan, B., and J. Stier. 2004. Fine fescues and colonial bentgrasses for golf course fairways. Hole Notes. 35(5):17-18.
Stier, J. 2004. Science to management: The new Applied Turfgrass Science Journal. Wisc. Turfgrass News XXII(3):3.
Stier, J. 2004. New and potential herbicides for turf management. Wisc. Turfgrass News XXII(2):4.
Stier, J. 2004. Listing of turfgrasses as invasive species threatens turf industry. Wisc. Turfgrass News XXII(2):8.
Stier, J. 2004. USDA concludes first public comment period on Roundup Ready Creeping Bentgrass. Wisc. Turfgrass News XXII(1):3.
Stier, J. 2003. Wisconsin turfgrass survey now on-line. Wisc. Turfgrass News XXI(2):5.

Stier, J. 2003. Doing less with more. Wisc. Turfgrass News XXI(2):7.
Stier, J., and J. Gregos. 2003. Texas x Kentucky bluegrass hybrids may lower water use. WSTMA News 5(3):3.
Stier, J. 2003. Preparing fields for spring play. WSTMA News 5(4):8.

Other

Stier, J. 2010. Rain gardens, urban runoff, and groundwater recharge. p. 24-26. In B.B. Clarke and W.A. Meyer, Proc. 19th Ann. Rutgers Turfgrass Symposium. 11 Jan. 2010, New Brunswick, NJ.

95 articles in annual Wisconsin Turf Research Reports (not listed)

55 articles in field day booklets (not listed)

Videos/DVDs

Crises Communications, Golf Course Superintendents Association of America Annual Conference, 2015
Why Should a Student Come to UW-Madison to Study Horticulture, YouTube, 1 Sept. 2009 (http://www.youtube.com/watch?v=IuNgi7pZWxw)
Turfgrass Research and Education at the University of Wisconsin-Madison" produced by Epic Communications, Milwaukee, WI, and displayed on TurfNet, a national on-line and printed newsletter, 22 July 2008
Pesticide Applicator Training video, Category 3.0 Turf and Ornamentals, 30 January 2004
Environmental impacts of turf in the urban environment. TV/video production with EPIC of Wisconsin. 27 July 2004.

Interviews, printed (35 since 2003)

TurfNews, Effects of phosphorus bans on water quality, 12 Nov. 2009
Capitol Times newspaper (Madison, WI): Pesticide toxicity, 29 June 2009
Spring lawn care, Chicago Tribune, 16 Apr 2008 printing
Rain gardens for backyard water management, Bob Villa website, 7 Feb. 2008.
Impact of fertilizer use restrictions, Club, Resort & Business Mgt, 25 Jan 2007
Organic turf possibilities and practicalities, CALS communications, 13 Apr 2007
Pesticide-free golf courses, Capitol Times newspaper, 18 Apr 2007
Rain gardens and the urban environment, UW communications, 8 May 2007
Organic fertilizers for turf care, Wisconsin State Journal newspaper, 9 May 2007
Sustainable lawn care, Real Simple magazine, 18 May 2007
International Turf Field Day at the O.J. Noer Turfgrass Facility, Country Day news, 26 July 2007
Prairie plantings effects when used around detention ponds in subdivisions, Post Crescent Newspaper (Appleton, WI), 19 Oct 2007
Impact of turf phosphorus fertilizer ban, Lakeland Times, Oneida, WI, 7 Feb. 2006
Phosphorus sources and fertilizers effect on lake water quality, Oshkosh Press, 2 May 2006
Phosphorus ban impact on the turf industry, UW Business News Wire, 15 June 2006
Turf management, ILC magazine, 5 July 2006
Plotting lawn needs: Agriculture agent starts lawn grass demonstration plots.

Oshkosh Northwestern news. 10 October 2005 (published 11 October).
Impact and costs of lawn phosphorus ban. Business Beat (magazine for Greater Madision Chamber of Commerce). 23 May 2005.
Spring lawn care. LaCrosse Tribune. 2 May 2005.
Pesticide use at Deforest Schools, Wisconsin State J., 28 January 2004.
Where the rubber meets the greens. Golf Inc., January 2004.
Crumb rubber for putting green construction. Wisconsin Golfer, 4 February 2004.
Managing shaded lawns. The Landsculptor, 11 February 2004.
Organic lawn care. UNG Publications/Dane Cty newspapers, 19 March 2004.
Lawn fertilizers and phosphorus runoff. Wisconsin State J., 24 March 2004.
Answers to common lawn questions. TurfNews. 25 May 2004.
Summer management for winter greens survival. Wisconsin Golfer. 25 May 2004.
Organic lawn care. Martha Stewart Living. 1 July 2004.
Low maintenance golf turf. Journal Times newspaper (Racine, WI). 19 November 2004.
Environmental issues, Wisconsin State Journal, 30 April 2003.
Crumb rubber to reduce contaminated leachate, Wisconsin Week, 18 September 2003.
Phosphorus and runoff from turf, Isthmus newspaper, 7 November 2003.
Phosphorus fertilizer ban, Daily Cardinal newspaper, 8 December 2003.
Improving yard soils, Backyard Living Magazine, 15 December 2003.

Radio programming: 21 radio shows since 2003

Television interviews: 5 since 2003

Single event presentations (since 2003)
165, including 46 out of state (IL, CO, SD, TN, OH, MO, MI, IA, AZ, CA, MN, PA, KS, IN)

Continuing Education Programs
How to Manage Turf in Shade, Golf Course Superintendents Association of America Annual Conference, 2012-14, 2016
NR 151 Nutrient Management Plan Development Training: 6 sessions 2007-2010
School of Turfgrass Management: February 2003, 2004, 2005, 2006, 2007, 2008
Pesticide Applicator Training: 5 sessions annually, ~ 500 persons/yr, 1997-2011
Master Gardner Training: 2 distance education sessions/yr, ~ 500 persons/yr, 1997-2011
Professional Grounds Maintenance Short Course: 2-6 sessions/yr, ~ 150-400 persons/yr, 1997-2011

Special Events with Wisconsin Alumni Association
Made in Wisconsin, 23 May 2009
Grandparents University, 16-17 July 2009 (turf for grandchildren/grandparents)

Service

State (WI)
Dept. Natural Resources
- Species Assessment Group for invasive species rule, 2008-2011
- Nutrient Management, technical guidelines development committee, 2004-06

Dept. of Transportation
- Revised sodding specifications, 2002

- Revising seeding specifications, 2010-2012

Dept. of Agriculture, Trade and Consumer Protection

- School IPM advisory board, 1998-2002

University

Univ. Tennessee System Committees

Peer Selection Committee, 2017
Diversity and Climate Committee, 2016-2017
Cumulative Performance Review (post-tenure) Committee, 2015-2017

Univ. Tennessee, Knoxville Committees and Task Forces (partial list)

Chair, Search Committee, Assistant Dean for College of Emerging & Collaborative Studies, 2024
Search Committee, Asst Vice-Chancellor Facilities Services, 2024
College of Emerging & Collaborative Studies Advisory Committee, 2022-present
University Colleges Restructuring Committee, 2021-2022
Honors and Scholars Committee, 2020-2022
Timetable Task Force, 2020
Re-imagining Fall Task Force, 2020
Chair, SACS 9.1 accreditation subcommittee, 2019-2020
Chair, Associate Dean for College of Communications and Information Search Committee, 2019
Policies & Procedures Revisions Task Force, 2019
Classroom Upgrade Committee, 2018-present
Chair, International Admissions Director Search Committee, 2018
Provost Search Committee, 2017
SACS Accreditation-Reaffirmation Committee, 2013-2015
Service Learning Steering Committee, 2014
Summer School Task Force, 2013
General Education Committee, 2011-present
Graduate Associate Deans group, 2011-present
Graduate Council, 2011-present
Undergraduate Council, 2011-present
Undergraduate Associate Deans group, 2011-present
Enrollment Management Committee, 2011-2015
Transfer Student Task Force, 2011-2013
Undergraduate Advisors Leadership Group, 2011-2012

Univ. Tennessee Institute of Agriculture Committees and Task Forces

Gardens Education Building Planning Committee, 2020-present
Member, Associate Dean for College of Veterinary Medicine Search Committee, 2020
UTIA-UTK Reunification Committee (Co-chair Student Services subcommittee), 2020
Bylaws Committee, 2019-present
Energy and Environmental Science Building Planning Committee, 2018-2022
Chair, Promotion & Tenure Committee Oversight 2017-2022; Member since 2011
Search Committee, Director Sponsored Programs, 2017
Search Committee, Associate Dean-AgResearch, 2016
Conflict of Interest Committee 2014-present
Search Committee, Director Smith Center for International Agriculture, 2014

Informational Technology Security Working Group, 2013-present
International Advisory Committee 2013-2014
Chair, Associate Dean-Academics College of Veterinary Medicine Search Committee, 2013
Information Technology Security Committee 2012-present
Space Committee 2011-present

University of Wisconsin, Madison Committees
Member, College Agricultural & Life Sciences Dean Review, 2010
Member, UW System Extension Council Executive Committee, 2008-2011
Member, UW System Extension Council 2004-2011
Co-chair, UW Extension Urban Horticulture Extension Team, 2004-06
Co-chair, Environmental Committee of Urban Horticulture Extension Team, 1999-2005.
Representative, Faculty Senate, 2003-06
Chair, University Ridge Golf Course Research Committee, 1999-2003

University of Wisconsin-Madison College of Agricultural and Life Sciences/College of Extension
Chair, CALS Curriculum Committee, 2009-2011
Chair, Pound Extension Award Committee, 2007-2011
Member, Associate Dean Extension's Consultative Advisory Committee, 2009-2011
Member, Curriculum Committee 2004-present
Member, Honorary Recognition Committee, 2008-2010
Member, CALS Awards Committee 2007-2009
Member, Pound Extension Award Committee 2003-06
Member, Hatch Review Committee 2006
Member, Steenbock Library Committee, 2002-04
Member, Pesticide Applicator Training Steering Committee, 1999-2011

University of Wisconsin-Madison, Department and Interdepartmental
Chair, Curriculum Committee, 2007-2008
Chair, Jed Colquhoun Mentoring Committee, 2005-06
Chair, Weed Ecologist Search & Screen Committee, 2004-05
Chair, Johanne Brunet Mentoring Committee, 2004-05
Chair, Extension Committee, Dept. of Horticulture, 2001-06
Co-chair of Department of Horticulture, Oct. 2005-March 2006
Member, Mentoring Committee for Jim Kerns (Plant Pathology), 2008-2011
Member, Mentoring Committee for Doug Soldat (Soil Science), 2007-2011
Member, Extension Committee, Dept. of Horticulture, 2007-2011
Member, Greenhouse Manager Search & Screen Committee, 2006
Member, Green Industry Short Course Deelopment *ad hoc* Committee, 2006
Member, Vice-Kussow Search & Screen Committee (Soil Science Dept.), 2005-2007
Member, Promotion Screening Committtee, 2005-2011
Member, *ad hoc*, Awards Committee 2005-07 (coordinated undergraduate scholarships)
Member, Gottschalk Endowed Chair Review Committee, 2002-2011
Member, Buildings Committee, Dept. of Horticulture, 2001-2011
Member, Chair's Advisory and Long-Range Planning Committee, Dept. of Horticulture, 2001-present
Member, Turfgrass Scholarship Program Committee, 1997-2011
Member, Curriculum Committee, Dept. of Horticulture, 1997-2006

Professional Service

Appointments or Elections to Editorial Boards.
Technical editor, European Turfgrass Society Conference, Amsterdam, Holland, 2020
Technical editor, European Turfgrass Society Conference, Manchester, England, 2018
Associate editor, Golf Industry journal, 2009-2011
Associate editor, Crop Science journal: 2004-2006 (1st term); 2007-2009 (2nd term)
Editor-in-chief, International Horticultural Society, Acta Horticulturae, 2nd International Sports Turf Mgt Confer., 25-28 June 2007, Beijing, China.

Manuscript Reviewer (2011-present)

Agronomy, Agronomy Journal, Applied Turfgrass Science, Crop Science, HortScience, HortTechnology, Journal of Environmental Management, International Turfgrass Society Journal, Physiologia Plantarum, Weed Science, Weed Technology

Committees
Chair, Environmental Quality Section, Agronomy Society of America, 2017
Vice-chair, Environmental Quality Section, Agronomy Society of America, 2016
Scientific Advisory Committee, Agronomy/Crops/Soil Science Society of America, 2008-2012
Chair, C-5 Division of Crop Science Society of America (turfgrass), 2007-08
Chair, NC-ERA 192 (turfgrass), 2007
Fellows Committee, Crop Science Society of America, 2006-07
Wisconsin Dept. Natural Resources Species Assessment Group, 2007-2011
Wisconsin Dept. Natural Resources Turfgrass Nutrient Management
By-laws Committee, Sports Turf Managers Association of America, 2004-06
Education Committee, Sports Turf Managers Association of America, 2004-06
Current Issues Committee, C-5 Division of Crop Science Society of America, 2004
Turfgrass Electronic Journal Committee, C-5 Division of Crop Science Society of America, 2002-2003
Board member, Wisconsin Sports Turf Managers Association, 1999-2011