

**Lisa A. Schulte Moore** – Brief resume (1 December 2014)  
**Associate Professor of Natural Resource Ecology & Management**

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Education

Ph.D. in Forestry (emphasis in landscape ecology), University of Wisconsin-Madison, 2002

M.S. in Biology (emphasis in avian ecology), University of Minnesota-Duluth, 1996

B.S. in Biology (minors in chemistry, environmental science), University of Wisconsin-Eau Claire, 1993

Positions

Associate Professor, 2009 – present, Iowa State University, Department of Natural Resource Ecology and Management, Ames, IA

Visiting Associate Professor, 2010-2011, University of Minnesota, Department of Bioproducts and Biosystems Engineering and Institute on the Environment, St. Paul, MN

Assistant Professor, 2003 – 2009, Iowa State University, Department of Natural Resource Ecology and Management, Ames, IA

Postdoctoral Associate, 2002 – 2003, USDA Forest Service Northern Research Station, Grand Rapids, MN

Associate Lecturer of Biology, 1997 – 1998, University of Wisconsin – Eau Claire, Eau Claire, WI

Biology Instructor, 1997, Western Michigan University, St. Joseph, MI

Selected Publications (75 publications total; 22 as lead author; 53 peer-reviewed)

Cox, R., M. O'Neal, R. Hessel, L.A. **Schulte**, and M. Helmers. 2014. The impact of prairie strips on aphidophagous predator abundance and soybean aphid predation in agricultural catchments. *Environmental Entomology* 43:1185-1197

Asbjornsen, H., V. Hernandez-Santana, M. Liebman, J. Bayala, J. Chen, M. Helmers, C.K. Ong, and L.A. **Schulte**. 2014. Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services. *Renewable Agriculture and Food Systems* 29:101-125.

Enloe, S., L.A. Schulte, and J.C. Tyndall. 2014. Fostering collaborative watershed management: lessons learned from the Boone River Watershed, Iowa. *Journal of Soil and Water Conservation* 69:149A-53A.

Heaton, E., L.A. **Schulte**, M. Berti, H. Langeveld, W. Zegada-Lizarazu, D. Parrish, and A. Monti. 2013. Managing a second-generation crop portfolio through sustainable intensification: examples from the USA and the EU. *Biofuels, Bioproducts & Biorefining* 7:702-714.

Liebman, M.Z., M.J. Helmers, L.A. **Schulte**, and C.A. Chase. 2013. Using biodiversity to link agricultural productivity with environmental quality: results from three field experiments in Iowa. *Renewable Agriculture and Food Systems*: 28:115-128.

Manatt, R.K., A. Hallam, L.A. **Schulte**, E.A. Heaton, T. Gunther, R.B. Hall, and K.J. Moore. 2013. Farm-scale costs and returns for second-generation bioenergy cropping systems in the U.S. Corn Belt. *Environmental Research Letters* 8:035037.

**Schulte**, L.A., T.A. Ontl, and G.L. D. Larsen. 2013. Biofuels and biodiversity, Wildlife habitat restoration. Pages 540-551 in Levin, S.A., editor. *Encyclopedia of Biodiversity*, 2nd edition. Elsevier, London, UK.

Tyndall, J.C., L.A. **Schulte**, M. Liebman, and M.J. Helmers. 2013. Field-level financial assessment of contour prairie strips for enhancement of environmental quality. *Environmental Management* 52:736-747.

Atwell, R. C., L. A. **Schulte** and L. M. Westphal. 2011. Tweak, adapt, or transform: policy scenarios in response to emerging bioenergy markets in the U.S. Corn Belt. *Ecology and Society* 16: 10.

Atwell, R.C., L.A. **Schulte**, and L.M. Westphal. 2010. How to build multifunctional agricultural landscapes in the U.S. Corn Belt: add perennials and partnerships. *Land Use Policy* 27:1082-1090.

Selected Grants (\$8,923,597 in total grants; \$1,948,165 as lead-PI)

USDA Agriculture and Food Research Initiative, 2014; Prairie strips as an innovative agroecosystem practice by enhance ecosystem services from farmers' fields; \$499,930 (PI)

USDA Farm Services Agency; 2014; Estimating the effect of the conservation reserve program (CRP) contour strips on grassland birds in Iowa; \$124,754 (PI)

Walton Family Foundation, 2013; Spreading prairie strips to Iowa farms for improved water quality, soil conservation, and biodiversity; \$240,000 (co-PI)

McKnight Foundation, 2012; Developing the tools and knowledge base to strategically design agricultural landscapes to meet multifunctional goals; \$70,000 (PI)

Iowa Soybean Association, 2012; Evaluation of Agriculture's Clean Water Alliance and Partners' Water Quality Monitoring Project in the Boone River Watershed, Iowa; \$25,000 (PI)

Leopold Center for Sustainable Agriculture Ecology Initiative, 2011; Blurring the lines between working and conservation lands: bird use of prairie strips in row-cropped watersheds; \$36,979 (PI)

USDA Agriculture and Food Research Initiative, 2009; Influence of alternative biomass cropping systems on short-term ecosystem processes; \$499,250 (co-PI)

USDA Agriculture and Food Research Initiative, 2009; Learning and teaching with experimental watersheds: valuation of ecosystems services in mixed annual-perennial agroecosystems; \$499,833 (co-PI)

Selected Honors and Awards

Fellow, Kavli Frontiers of Science Program, U.S. National Academy of Science, 2014

Fellow, Leopold Leadership Program, Stanford University Woods Institute for the Environment, 2013

Invited Member, Rapid-Response Team, Ecological Society of America, 2012-present

Trustee, The Nature Conservancy of Iowa, 2010-present

Coordinating Editor, *Landscape Ecology*, 2010-present

Team Achievement Award, Iowa State University Extension, 2009

Editor's Choice Award, *Journal of Soil and Water Conservation*, 2008

Elected Governing Board Member, U.S. Chapter – Internat'l Assoc'n for Landscape Ecology, 2006-2010

Teaching Award of Merit, North American Colleges and Teachers of Agriculture, 2007

Early Achievement in Teaching Award, Iowa State University's College of Agriculture, 2007

Most Beloved Professor, Iowa State University Fish and Wildlife Biology Club, 2006

Professional Memberships: Association for Women in Science, Ecological Society of America, International Association for Landscape Ecology, Society of American Foresters

Selected Collaborators: Cynthia Cambardella (USDA ARS), Glenn Guntenspergen (USGS), Rick Hall (Iowa State), Arne Hallam (Iowa State), Mary Harris (Iowa State), Emily Heaton (Iowa State), Matt Helmers (Iowa State), Tom Isenhardt (Iowa State), Nick Jordan (U. Minnesota), Randy Kolka (US Forest Service), Matt Liebman (Iowa State), Matt O'Neal (Iowa State), Brian Palik (US Forest Service), Mark Tomer (USDA ARS), John Tyndall (Iowa State), Lynne Westphal (US Forest Service)

Graduate Students: Usman Anwar (MS 2014), Ryan Atwell (PhD 2008), Paul Brown (PhD 2008), Carrie Chennault (MS 2014, PhD X'18), Julia Dale (MS X'17), Stephanie Enloe (MS 2014), Rachael Cox Ohde (MS 2012), Katharyn (Derr) Lang (MS 2006), Dustin Farnsworth (MS 2009), Kumudan Grubh (MS 2010), Drake Larsen (MS 2011), Tricia Knoop (PhD 2008), Anna MacDonald (MS 2012), Erik Mottl (MS 2007), Todd Ontl (PhD 2013), Andrew Rayburn (MS 2006), Eddie Shea (MS 2013), Maeraj Sheikh (MS X'16), Matt Dale (MS X'17), Emily Zimmerman (PhD X'16)

Websites: [www.nrem.iastate.edu/landscape](http://www.nrem.iastate.edu/landscape), [www.nrem.iastate.edu/landscape/pewi](http://www.nrem.iastate.edu/landscape/pewi)  
[www.nrem.iastate.edu/landscapebiomass](http://www.nrem.iastate.edu/landscapebiomass), [www.prairiestrips.org](http://www.prairiestrips.org)