

**DANIEL F. MOONEY****Contact Information**

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**EDUCATION**

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Ph.D.	Agricultural & Applied Economics, University of Wisconsin, Madison, WI	2017
M.S.	Agricultural, Food, & Resource Economics, Michigan State University, East Lansing, MI	2007
B.S.	Agricultural & Applied Economics, University of Wisconsin, Madison, WI	2001

**PROFESSIONAL EXPERIENCE**

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Assistant Professor Department of Agricultural & Resource Economics, Colorado State University	09/2017 – present
Graduate Research Assistant Department of Agricultural & Applied Economics, University of Wisconsin-Madison	09/2015 – 08/2017 & 9/2010 – 08/2014
Visiting Instructor Department of Economics, Beloit College	08/2015 – 05/2016
Louis & Elsa Thomsen Wisconsin Distinguished Graduate Fellow College of Agriculture and Life Sciences, University of Wisconsin–Madison	09/2014 – 08/2015
Research Associate Department of Agricultural & Resource Economics, University of Tennessee–Knoxville	10/2007 – 08/2010
Graduate Research Assistant Department of Agricultural, Food, & Resource Economics, Michigan State University	08/2005 – 09/2007
Agricultural Extension Agent & Regional Coordinator U.S. Peace Corps, Republic of Panama	05/2002 – 08/2004, 05/2004 – 04/2005

**PUBLICATIONS**

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**Journal Articles**

Barham, B.L., D.F. Mooney, and S.M. Swinton, 2016. “Inconvenient Truths about Landowner (Un)Willingness to Grow Dedicated Bioenergy Crops.” *Choices* 31(4):1–8.

Swinton, S.M., S. Tanner, B.L. Barham, D.F. Mooney, and T. Skevas. 2017. “How willing are landowners to supply land for bioenergy crops in the Northern Great Lakes Region?” *Global Change Biology-Bioenergy* 9(2):414–428.

Mooney, D.F., B.L. Barham and C. Lian. 2015. “Inelastic and fragmented farm supply response for second-generation bioenergy feedstocks: *Ex ante* survey evidence from Wisconsin.” *Applied Economics Perspectives and Policy* 37(2):287–310.

Lambert, D.M., B.C. English, D.C. Harper, S.L. Larkin, J.A. Larson, D.F. Mooney, R.K. Roberts, M. Velandia, and J. M. Reeves. 2014. “Adoption and frequency of precision soil testing in cotton production.” *Journal of Agricultural and Resource Economics* 39(1):106–123.

Meehan, T.D., C. Gratton, E. Diehl, N.D. Hunt, D.F. Mooney, S. Ventura, B.L. Barham, and R.D. Jackson. 2013. “Ecosystem-service tradeoffs associated with switching from annual to perennial energy crops in riparian zones of the US Midwest.” *PLoS ONE* 8(11):e80093.

Boyer, C.N., R.K. Roberts, B.C. English, D.D. Tyler, J.A. Larson, and D.F. Mooney. 2013. “Effects of soil type and landscape on yield and profit maximizing nitrogen rates for switchgrass production.” *Biomass and Bioenergy* 48:33–42.

Mooney, D.F., J.A. Larson, B.E. English and D.D. Tyler. 2012. “Effect of dry matter loss on the profitability of outdoor storage of switchgrass.” *Biomass and Bioenergy* 44:33–41.

Gwathmey, C.O., L.E. Steckel, J.A. Larson, and D.F. Mooney. 2011. “Lower limits of cotton seeding rates in alternative row widths and patterns.” *Agronomy Journal* 103(3):584–92.

Larson, J.A., T.H. Yu, B.C. English, D.F. Mooney, and C. Wang. 2010. “Cost evaluation of alternative switchgrass producing, harvesting, soring, and transporting systems and their logistics in the southeastern U.S.” *Agricultural Finance Review* 70(2):184–200.

Mooney, D.F., R.K. Roberts, B.C. English, D.D. Tyler and J.A. Larson. 2009. “Yield and breakeven price of 'Alamo' switchgrass for biofuels in Tennessee.” *Agronomy Journal* 101(5):1234–42.

Larson, J.A., C.O. Gwathmey, D.F. Mooney, L.E. Steckel and R.K. Roberts. 2009. “Does skip-row planting configuration improve cotton net return?” *Agronomy Journal* 101(4):738–46.

Mooney, D.F., J.A. Larson, R.K. Roberts and B.C. English. 2009. “When does variable rate technology for agricultural sprayers pay? A case study for cotton production in Tennessee.” *Journal of the American Society of Farm Managers and Rural Appraisers* 72(1):177–87.

### ***Articles in Press***

English, B.C., D.F. Mooney, and J.A. Larson. Forthcoming. “Energy management: Biofuels, machinery, and economics with a focus on switchgrass.” In J. Bergtold, R. Raper, G. Hawkins, and K. Iverson (Eds.), *Conservation Tillage Systems: Production, Profitability and Stewardship*. CRC Press, LLC, *in press*.

### ***Working Papers***

“Willingness to rent land for rotational grazing: the importance of survey response behavior” (with B.L. Barham and C. Robinson)

“Willingness to accept for multifunctional bioenergy cropping systems: the role of non-pecuniary benefits” (with B.L. Barham)

“Integrating agricultural, economic, and remote-sensing data to analyze the potential for bioenergy production” (with B.L. Barham)

### ***Research Reports & Extension Bulletins***

Mooney, D.F., B.L. Barham, C. Lian, S. Ventura, N. Hunt, T. Meehan, and R. Jackson. 2013. “Current prospects for bioenergy crop production on marginal lands: Results from a farm survey in southwestern Wisconsin”. Staff Paper 569. Agricultural and Applied Economics, University of Wisconsin, Madison, WI.

Mooney, D.F., R.K. Roberts, B.C. English, D.M. Lambert, J.A. Larson, M. Velandia, S.L. Larkin, M.C. Marra, S.W. Martin, A. Mishra, K.W. Paxton, R. Rejesus, E. Segarra, C. Wang and J.M. Reeves. 2010. “Precision farming by cotton producers in twelve southern states: Results from the 2009 southern cotton precision farming survey.” Research Series 10-02. Agricultural and Resource Economics, University of Tennessee, Knoxville, TN.

Subía, C., E. Peralta, E. Falconí, J. Pinzón, D.F. Mooney, and S.M. Swinton. 2007. “Diagnóstico sobre el cultivo de fréjol arbustivo y el uso de pesticidas en el sistema de producción, en los valles del Chota y Mira, Provincias Imbabura y Carchi, Ecuador, 2000-2005.” Publicación miscelánea 138. Programa Nacional de Leguminosas y Granos Andinos, Instituto Nacional Autónomo de Investigaciones Agropecuarias, Ecuador.

### ***Published Abstracts***

Mooney, D.F. 2008. “The economic impact of disease-resistant bean breeding research in Northern Ecuador.” Abstract of Agricultural and Applied Economics Association (AAEA) 2008 Outstanding M.S. Thesis, Honorable Mention. *American Journal of Agricultural Economics*, 90(5):1352–55.

## **PRESENTATIONS**

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### ***Academic Conferences***

Mooney, D.F. and B.L. Barham. “Ex-ante estimation of adoption determinants for a sustainable land management practice: The case of non-operator landowners”. Selected Poster. Annual Meeting of the Agricultural and Applied Economics Association (AAEA). Boston, MA, August 1–3, 2016.

Mooney, D.F. and B.L. Barham. “What drives the adoption of clean agricultural technologies? An *ex ante* assessment of sustainable biofuel production in southwestern Wisconsin.” Selected Paper. Annual Meeting of the Agricultural and Applied Economics Association (AAEA). Washington, DC, August 4–6, 2013.

Mooney, D.F., B.L. Barham and C. Lian. “Sustainable biofuels, marginal agricultural lands, and farm supply response: Micro-evidence for Southwest Wisconsin.” Selected Paper. Annual Meeting of the Agricultural and Applied Economics Association (AAEA). Washington, DC, August 4–6, 2013.

Larson, J.A., D.F. Mooney, B.C. English, and D.D. Tyler. “Estimating the impacts of storage dry matter losses on switchgrass production.” Selected Poster. Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Denver, CO, July 25–27, 2010.

Mooney, D.F., J.A. Larson, R.K. Roberts, and F.L. Allen. “Economic comparison of four winter covers for no-till cotton cropping rotations under risk.” Selected Paper. In: *Proceedings of the 32<sup>nd</sup> Southern Conservation Agricultural Systems Conference*, Jackson, TN, July 21, 2010.

Mooney, D. F., R. K. Roberts, B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, S. L. Larkin, K. W. Paxton, A. Mishra, S. W. Martin, M. C. Marra, R. Rejesus, E. Segarra, C. Wang and J. M. Reeves. "Cotton precision farming adoption in the southern United States: Findings from a 2009 survey." Selected Presentation. 10th International Conference on Precision Agriculture. Denver, CO, July 18–21, 2010.

Larson, J.A., D.F. Mooney, R. K. Roberts, and B. C. English. "A Computer Decision Aid for the Precision Agriculture Investment Decision." Selected Presentation. 10th International Conference on Precision Agriculture. Denver, CO, July 18–21, 2010.

Harper, D.C., D.M. Lambert, R.K. Roberts, B.C. English, M. Velandia, J.A. Larson, and D.F. Mooney. "Adoption and perceived usefulness of precision soil sampling information in cotton production." Selected Presentation. 10th International Conference on Precision Agriculture. Denver, CO, July 18–21, 2010.

Mooney, D.F., R.K. Roberts, B.C. English, J.A. Larson, and D.D. Tyler. "Is switchgrass yield response to nitrogen dynamic? Implications on profitability and sustainability at the farm level." Selected Paper. Annual Meeting of the Southern Agricultural Economics Association (SAEA), Orlando, FL, February 6–9, 2010.

Larson, J.A., B.C. English, D.F. Mooney, and D.D. Tyler. "Cost analysis of alternative harvest and storage methods for switchgrass in the southeastern U.S." Selected Paper. Annual Meeting of the Southern Agricultural Economics Association (SAEA), Orlando, FL, February 6–9, 2010.

Mooney, D.F., R.K. Roberts, B.C. English, J.A. Larson, D.M. Lambert, M. Velandia, S.L. Larkin, M.C. Marra, R. Rejesus, S.W. Martin, K.W. Paxton, A. Mishra, C. Wang, E. Segarra and J.M. Reeves. 2010. "Status of cotton precision farming in twelve southern states." Selected Presentation. Beltwide Cotton Conferences, National Cotton Council of America, New Orleans, LA, January 4–7, 2010.

Mooney, D.F., B.C. English, B.C., M. Velandia, J.A. Larson, R.K. Roberts, D.M. Lambert, S.L. Larkin, M.C. Marra, R. Rejesus, S.W. Martin, K.W. Paxton, A. Mishra, C. Wang, E. Segarra and J.M. Reeves. "Trends in cotton precision farming adoption in twelve southern states: 2000-2008." Selected Presentation. Beltwide Cotton Conferences, National Cotton Council of America, New Orleans, LA, January 4–7, 2010.

Gwathmey, C.O., L.E. Steckel, J.A. Larson, and D.F. Mooney. "Cotton seeding rates: How low can we go?" Proceedings Paper. Beltwide Cotton Conferences, National Cotton Council of America, New Orleans, LA, January 4–7, 2010.

Mooney, D.F. and B.C. English. 2009. "Economics of the switchgrass supply chain: Enterprise budgets and production cost analyses." Proceedings Paper. In: *Transition to a Bioeconomy: The Role of Extension in Energy*, eds. B.C. English, K. Jensen and J. Menard. Little Rock, AR: Farm Foundation.

Mooney, D.F., S.M. Swinton, C. Subia, and E. Peralta. "Economic impact evaluation of disease-resistant bean research in Northern Ecuador." Selected Presentation. 6<sup>th</sup> International IPM Symposium, Portland, OR, March 22–27, 2009.

Mooney, D. F.; J. A. Larson; R. K. Roberts and B. C. English. "Economics of the variable rate technology investment decision for agricultural sprayers." Selected Paper. Annual meeting of the Southern Agricultural Economics Association (SAEA), January 31 – February 4, 2009.

Mooney, D. F., J.A. Larson, R. K. Roberts and B. C. English. "A computer decision aid for the VRT investment decision in cotton production." Selected Presentation. Beltwide Cotton Conferences, National Cotton Council of America, San Antonio, TX, January 5–8, 2008.

Mooney, D.F., R.K. Roberts, B.C. English, D.D. Tyler, and J.A. Larson. "Switchgrass production in marginal environments: A comparative economic analysis across four West Tennessee landscapes." Selected Paper. Annual meeting of the Agricultural and Applied Economic Association (AAEA), Orlando, FL, July 27–29, 2008.

Larson, J. A., C.O. Gwathmey, R.K. Roberts, L.E. Steckel and D. F. Mooney. 2008. "Impacts of row spacing and planting pattern on cotton net revenues under alternative herbicide-resistant technology regimes." Beltwide Cotton Conferences, National Cotton Council of America, Nashville, TN, January 8–11, 2008.

Mooney, D.F., S.M. Swinton and R.A. Labarta. "Neighborhood effects? Spatial diffusion and the adoption determinants of disease-resistant bean varieties in Nicaragua." Selected Poster. Annual Meeting of the American Agricultural Economics Association (AAEA), Portland, OR, July 29–31, 2007.

### ***Research Meetings***

Dinauer, A.M., D.F. Mooney, and B.L. Barham. "Land cover, rental rates and bioenergy potential on marginal lands in Michigan and Wisconsin: 2008-2013." Poster Presentation. Sustainability Retreat, Great Lakes Bioenergy Research Center, Kellogg Biological Station, Hickory Corners, MI, February 9–11, 2015.

Tanner, S., S.M. Swinton, T. Skevas, B.L. Barham, and D.F. Mooney. "Landowner willingness to provide land for producing bioenergy crops in the northern tier of Michigan and Wisconsin." Poster Presentation. Sustainability Retreat, Great Lakes Bioenergy Research Center, Kellogg Biological Station, Hickory Corners, MI, February 9–11, 2015.

Barham, B.L., D.F. Mooney, D. Prager, S.M. Swinton, T. Skevas, and S. Tanner. "Economic availability of private lands for bioenergy crop production: Looking towards the Northern Tier." Poster Presentation. Annual Science Retreat, Great Lakes Bioenergy Research Center, South Bend, IN, May 20–22, 2014.

Mooney, D.F., B.L. Barham, S.M. Swinton, T. Skevas, N. Hayden and S. Tanner. "Project update: Economic responses for sustainability." Plenary Presentation. Sustainability Retreat, Great Lakes Bioenergy Research Center, Kellogg Biological Station, Hickory Corners, MI, February 3–5, 2014.

Mooney, D.F., E. Barham, B.L. Barham, T.M. Meehan, R. Jackson, S. Ventura, N. Hunt. "Economic responses of non-farm rural landowners to bioenergy cropping opportunities." Poster Presentation. Sustainability Retreat, Great Lakes Bioenergy Research Center, Kellogg Biological Station, Hickory Corners, MI, February 3–5, 2014.

Barham, B.L. D.F. Mooney, C. Lian, T. Meehan, R. Jackson, S. Ventura, and N. Hunt. "Supply prospects for bioenergy crop production on marginal land in southwest Wisconsin." Poster Presentation. Annual Science Retreat, Great Lakes Bioenergy Research Center, Chicago, IL, May 21–23, 2013.

Mooney, D.F., and B.L. Barham. "Economic thresholds, environmental stewardship, and land use change: An empirical assessment of farmer bioenergy crop adoption in Wisconsin." Poster presentation. Sustainability Retreat, Great Lakes Bioenergy Research Center, Kellogg Biological Station, Hickory Corners, MI, February 17–19, 2013.

Subia, C.S., E. Peralta, S.M. Swinton, and D.F. Mooney. "Reducing pesticide risk in bean systems in Northern Ecuador." Poster Presentation. USAID Bean-Cowpea Collaborative Research Support Project (CRSP) Researchers Meeting, Dakar, Senegal, September 11–16, 2005.

### ***Extension Presentations***

Barham, B.L. and D.F. Mooney. "Market diversification and financial benchmarking on vegetable farms." Grower Gathering, Fair Share Community Supported Agriculture (CSA) Coalition, Dane County Extension, Madison, WI, December 19, 2014.

McKinley, T.L., and D.F. Mooney. "Using the UT nitrogen rate and fertilizer cost calculators in corn production systems." No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN, July 22, 2010.

English, B.C., J.A. Larson, T.H. Yu and D.F. Mooney. "Economics of switchgrass production." No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN, July 22, 2010.

English, B.C., J.A. Larson, and D.F. Mooney. "Switchgrass harvest and storage costs and bale quality." No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN, July 24, 2008.

Mooney, D.F. "Agricultural marketing for small rural producers." National Agribusiness Workshop. Peace Corps Panama. Presented twice, 2003 - 2004. (in Spanish)

Mooney, D.F. "Project design and management." In-Service Training Seminar. Peace Corps Panama. Presented on three occasions, 2004 - 2005. (in Spanish)

### **TEACHING EXPERIENCE**

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#### ***Instructor***

Quantitative Methods in Economics and Management (ECON 251). Department of Economics, Beloit College. Fall 2015 & Spring 2016.

Energy and Environmental Economics (ECON 205). Department of Economics, Beloit College. Spring 2016.

Math Review (4-day course for incoming students). Department of Agricultural and Applied Economics, University of Wisconsin-Madison. August 2012.

#### ***Guest Lectures***

"Use of a Handheld GPS Unit to Collect Precision Soil Samples." Economics of Precision Farming (AgEcon 444; Instructor B. English). The University of Tennessee. February 18, 2009.

"The Panama Canal Watershed: A Case of Missing Markets for Environmental Goods and Services?" Ecological Economics (EEP 225; Instructor: S.M. Swinton). Michigan State University. April 16, 2007.

#### ***Assistant/Grader/Tutoring***

Latin American Economic Development (AAE 462; Grader for B.L. Barham). Department of Agricultural and Applied Economics, University of Wisconsin-Madison. Spring 2014.

Applied Microeconomic Theory (AAE 635; Teaching Assistant for G. Shi). Department of Agricultural and Applied Economics, University of Wisconsin-Madison. Fall 2012.

Introductory micro- and macro-economics (Tutor for ECON 101 & 102). Athletic Department, University of Wisconsin-Madison. Fall 2000 – Spring 2002.

## **SOFTWARE PROGRAMS**

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Mooney, D.F., A.T. McClure, R.K. Roberts, J.A. Larson, and D.D. Tyler. *Corn Nitrogen Rate Calculator*, V.1.1.1. The University of Tennessee-Knoxville. (Available online: <http://economics.ag.utk.edu/nitrogen.html>)

Larson, J.A., D.F. Mooney, R.K. Roberts, and B.C. English. *Cotton Precision Agriculture Investment Decision Aid (CPAIDA)*, Version 1.0. The University of Tennessee-Knoxville. (Revised version available online: <http://economics.ag.utk.edu/cpaida.html>)

## **PROFESSIONAL MEMBERSHIPS**

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Agricultural and Applied Economics Association (AAEA)  
American Economic Association (AEA)  
Western Agricultural and Applied Economics Association (WAEA)  
Southern Association of Agricultural Economists (SAEA)

## **PROFESSIONAL AWARDS**

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Thomsen Distinguished Graduate Fellowship, College of Agricultural & Life Sci., UW-Madison (2013-14)  
Travel Grant, 6<sup>th</sup> International Integrated Pest Management Symposium, University of Illinois (2009)  
AAEA Outstanding M.S. Thesis, Honorable Mention, Agricultural & Applied Economics Association (2008)  
Best M.S. Thesis, 2007, Dept. Agricultural, Food & Resource Economics, Michigan State University (2007)  
Departmental Fellowship, Agricultural, Food, & Resource Economics, Michigan State University (2005-07)  
Outstanding Service Award, Panama Country Office, U.S. Peace Corps (2005)  
Holstrom Undergraduate Fellowship, Institute for Environmental Studies, UW-Madison (2000-01)

## **SERVICE AND ACTIVITIES**

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Referee, *Applied Economics Perspectives and Policy* (2016, 2017)  
Referee, *Journal of Agricultural and Applied Economics* (2013, 2014)  
Referee, *Journal of Agricultural and Resource Economics* (2013)  
Moderator, Annual Meeting of the Agricultural and Applied Economics Association (AAEA) (2013)  
Student Representative, Graduate Committee, Agricultural & Applied Economics, UW-Madison (2013-14)  
Co-Chair, Student Research Colloquium, Taylor-Hibbard Club, University Wisconsin-Madison (2011-12)  
Judge, 19th Annual Collegiate Discussion Meet, Farm Foundation, Knoxville, TN (2010)  
Moderator, Annual Meeting of the Southern Agricultural Economics Association (SAEA) (2009)  
Participant, R for SAS and SPSS Users, Research Computing Workshop, University of Tennessee (2009)  
Participant, Grant Workshop, Institute of Agriculture, University of Tennessee (2009, 2010)  
Judge, 4-H Roundup, Consumer Education/Economics Project Area, University of Tennessee (2008)  
Participant, SPSS Training Workshop, Agricultural, Food & Resource Econ., Michigan State Univ. (2007)  
Representative, International Agriculture Curriculum Committee, Univ. of Wisconsin-Madison (2000-01)  
Semester Abroad, University of the West Indies, St. Augustine Campus, Trinidad and Tobago (2000)

## **JOB-RELATED SKILLS**

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Languages: English (Native); Spanish (Fluent in speaking, reading, writing)  
Computer Software: (Advanced) STATA, SAS, MS Excel; (Intermediate) ArcGIS, MATLAB, R, SPSS