

AMY MILLMIER SCHMIDT, PH.D., P.E.

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Education

Doctor of Philosophy, Biological Engineering August 2010
Mississippi State University, Starkville, MS

Master of Science, Agricultural Engineering May 1999
Iowa State University, Ames, IA

Bachelor of Science, Agricultural Engineering December 1997
Iowa State University, Ames, IA

Professional Experience

University of Nebraska – Lincoln
Departments of Biological Systems Engineering and Animal Science
Assistant Professor 2012 – Present

Mississippi State University
Department of Agricultural & Biological Engineering
Assistant Extension Professor 2010 – 2012
Extension Instructor 2008 – 2010
Research Associate III 2007 – 2008

Value Ag, LLC
Consultant, Cedar Valley Renewable Biomass Energy Conversion Feasibility Study 2008

University of Missouri – Columbia
Extension Commercial Agriculture Program and Division of Food Systems & Bioengineering
Extension Associate Professor 2007
Extension Assistant Professor 2001 – 2007

National Pork Board
Consultant, Comprehensive Nutrient Management Planning Pilot Project – Phase II 2003

Premium Standard Farms, Inc., Princeton, MO
Environmental Engineer 1999 – 2001

Iowa State University
Agricultural and Biosystems Engineering Department
Graduate Research Assistant 1998 – 1999

Professional Licensure

Registered Professional Engineer, Mississippi (18060)

Teaching and Advising Experience

Master of Science, Advisor or Co-advisor: 4
Doctor of Philosophy, Advisor: 1
Undergraduate Student Research Advising: 4
Master of Science, Committee Member: 1
Doctor of Philosophy, Committee Member: 2

Professional Activities and Committees

ASABE Standard <i>P403.4 Design of Anaerobic Lagoons for Animal Waste Management</i> , Revision Leader	2015 – Present
ASABE <i>NRES-03 Natural Resources & Environmental Systems Standards</i> <i>Oversight Committee</i> , Member (Representing NRES-27)	2015 – Present
Nebraska Pork Producers Association Focus Group, Member	2015
<i>Youth for the Quality Care of Animals</i> Program, Reviewer	2015
National Pork Board Swine Educators Executive Committee, Member	2014 – Present
National Pork Board Extension Educators Committee, Member	2013 – Present
NCCC-9 Agricultural Engineering in the NCR Multi-State Committee, Vice Chair	2015 – Present
Heartland Animal Manure Management Group, Steering Committee, Member	2014 – Present
S-1032 Improving the Sustainability of Livestock and Poultry Production in the United States Multi-State Committee, Member	2013 – Present
ASABE Professional Engineer Mentor	2013 – Present
Livestock and Poultry Environmental Learning Center Manure Nutrient Team, Leader	2013 – Present
Livestock and Poultry Environmental Learning Center Executive Committee, Member	2012 – Present
ANSI/ASABE Standard <i>EP585: Animal Mortality Composting</i> , Lead Developer	2013 – 2015
National Pork Board Environment Committee, Science Advisor	2007 – 2015
USDA National Program 216 Panel, Ad Hoc Reviewer	2013
<i>The Professional Animal Scientist</i> , Manuscript Reviewer	2014
USDA-NIFA-AFRI Engineering Products & Processes A1521 Review Panel, Member	2014
ASABE, Member	1994 – Present
ASABE Educational Aids Competition Category Judging Coordinator	2008, 2009, 2013 – Present
ASABE ED-208 Extension Education Committee, Chair	2011 – 2012
ASABE ED-208 Extension Education Committee, Vice Chair	2010 – 2011
ASABE ED-208 Extension Education Committee, Secretary	2009 – 2010
ASABE ED-208 Extension Education Committee, Member	2008 – Present
ASABE Educational Aids Competition Chair	2010 – 2011
ASABE SE-412 Agricultural Waste Management Committee, Chair	2010 – 2011
ASABE SE-412 Agricultural Waste Management Committee, Vice Chair	2009 – 2010
ASABE SE-412 Agricultural Waste Management Committee, Secretary	2008 – 2009
ASABE SE-412 Agricultural Waste Management Committee, Member	2001 – Present
2010 International Symposium on Air Quality and Waste Management for Agriculture, Chair	2008-2010
Agricultural Engineering P. E. Licensing Exam Cut Score Panel, Member	2009 and 2010
Phi Kappa Phi Honor Society, Member	2008 – Present
Missouri Section ASAE, Secretary	2002 – 2005
Missouri Section ASAE, Member	2001 – 2007
2002 Mid-Central ASAE Conference, Bowling Tournament Chair	2001 – 2002
Missouri Society of Professional Engineers, Member	2004 – 2007
National Society of Professional Engineers, Member	2004 – 2007
Alpha Epsilon Honor Society, Member	1998 – Present
<i>Journal of Dairy Science</i> , Reviewer	2009 – 2011
Missouri Department of Agriculture Task Force on Issues Limiting Livestock Production in Missouri, Member	2005 – 2007
ASABE D384.1 Revised “As-Harvested” Manure Characteristics Standard Committee, Member	2002 – 2004
Missouri Inter-agency Technical Working Group (ITWG), Committee Chair	2003 – 2004
Missouri Inter-agency Technical Working Group (ITWG), Committee Member	2001 – 2007
Canadian Biosystems Engineering Journal, Reviewer	2003
9 th International Symposium on Animal, Agriculture, and Food Processing Wastes, Paper Reviewer	2002

Service Activities

University of Nebraska Institute of Agriculture and Natural Resources

<i>Nebraska Extension Issue Team: Protect Water Quality and Soil Resources in Agriculture, Wildlife, Businesses, and Communities, Convening Leader</i>	2015 – Present
<i>Dean's Extension Advisory Committee, Member and Secretary</i>	2015 – Present
<i>Faculty Search Committee for Water Quality/Environmental Engineer, Member</i>	2014 – Present
<i>Faculty Search Committee for Swine Extension Specialist, Member</i>	2014 – 2015
<i>Faculty Search Committee for Advanced Machinery Systems Engineer, Member</i>	2012 – 2013

University of Nebraska Department of Biological Systems Engineering

<i>Chase Hall Emergency Action Plan Development Team, Member</i>	2015 – Present
<i>BSEN 470 Senior Design Team, Advisor</i>	2015 – Present
<i>Rogers Memorial Farm Committee, Member</i>	2015 – Present
<i>Facilities Committee, Member</i>	2014 – Present
<i>Social Committee, Member</i>	2012 – Present
<i>Incredible, Edible Vehicle Competition, Poster Judge</i>	2012 – Present

University of Nebraska Department of Animal Science

<i>Faculty Search Committee for Swine Extension Specialist, Member</i>	2014 – 2015
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University of Nebraska Future Pork Leaders Student Club, Faculty Mentor

2015 – Present

Pork Quality Assurance Plus (PQA+) Nebraska State Trainer

2013 – Present

Nebraska Pork Industry Focus Team, Leader

2013 – Present

University of Nebraska Extension Animal Manure Management Team, Co-Leader

2012 – Present

Mississippi State University

<i>Scholarship of Outreach Committee Member</i>	2011 – 2012
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Mississippi State University Division of Agriculture, Forestry and Veterinary Medicine Faculty Senate, ABE Department Senator

2011 – 2012

Grantsmanship

Total Grants Received: \$2,247,804

Total Active Grants: \$932,081

Total Pending Grants: \$96,624

Land Application of Woody Biomass Co-mingled with Manure and Liquid Nitrogen Fertilizer to Improve Soybean Yield and Quality Traits. Nebraska Soybean Board. PI: **A.M. Schmidt**; Co-PI: Humberto Blanco (UNL). Requested: \$48,312.

Land Application of Woody Biomass Co-mingled with Manure and Liquid Nitrogen Fertilizer to Improve Corn Yield and Quality Traits. Nebraska Corn Board. PI: **A.M. Schmidt**; Co-PI: Humberto Blanco (UNL). Requested: \$48,312.

Synopsis of Beneficial Management Practices for the Application of Manure and Inorganic Fertilizer on Tile Drained Lands. Manitoba Livestock Manure Management Initiative. PI: **A.M. Schmidt** (written by GRA Linda Schott). Requested: \$9,406. Declined.

On-farm Remediation and Prevention of Swine Enteric Diseases. USDA-NIFA. PI: **A.M. Schmidt**; Co-PIs: J.D. Loy (UNL), D. Miller (USDA-ARS), and K. Brooks (UNL). Awarded: \$200,000.

Setback Distance Requirements for Removal of Swine Slurry Constituents in Runoff. November 2015. National Pork Board. PI: Xu Li; Co-PIs: Shannon Bartelt-Hunt, Daniel Snow, **Amy Millmier Schmidt**. Awarded: \$132,712.

Analysis of Woody Biomass and Nutrient Treatments on Soil Properties, Crop Productivity, and Environmental Sustainability. November 2015. Nebraska Forest Service. PI: **Amy Millmier Schmidt**; Co-PI: Humberto Blanco. Awarded \$25,000.

Analysis of Woody Biomass and Nutrient Treatments on Soil Properties, Crop Productivity, and Environmental Sustainability. October 2015. ARD McIntire-Stennis Funding Allocations. PI: Amy Millmier Schmidt; Co-PIs: Humberto Blanco, Richard Woollen, Heather Nobert, Kate Brooks, Dennis Bauer, and Adam Smith. Requested: \$372,455. Declined.

Farm-Level Biosecurity Planning for Swine Farms to Mitigate SECD Transmission. September 2015. National Pork Board Swine Research and Education Experience Program. PI: **Amy Millmier Schmidt**. Awarded: \$5,000.

Professional Development for Extension Professionals and Educators on Land Use and Management Practices to Enhance Water Quality. August 2015. North Central Region Water Network. PI: Miranda Meehan (NDSU); Co-PIs: J.P. Flores (NDSU), M. Berg (NDSU), **A.M. Schmidt** (UNL), T. Franti (UNL), M. Wuellner (SDSU), and E. Cortus (SDSU). Awarded: \$15,000.

Integrated Use of Systems-Dynamics Tools, Standardized Data-Sharing Mechanisms, and Professional-Development Strategies to Build a Research Network Centered on Triple-Bottom-Line Sustainability of Animal Production Systems. May 2015. USDA-NIFA. PI: B. Auverman (TAMU); Co-PIs: J. Classen, R. Cortus, R. DeOtte, J. Koziel, D. Meyer, J. Ogeho, W. Powers-Schilling, **A. Schmidt**, and J. Zhu. Requested: \$4,000,000. Declined.

Improving access to social & environmental sustainability resources for Nebraska farmers. July 2015. The Nebraska Environmental Trust. PI: **Amy Millmier Schmidt**; Collaborators: Charles Shapiro and Leslie Johnson (UNL). Awarded: \$200,000.

Influence of the method and timing of land application on the persistence and retention of multiple manure constituents in soil. June 2015. National Pork Board. PI: Xu Li; Collaborators: **Amy Millmier Schmidt**, Dan Snow, Shannon Bartelt-Hunt (UNL) and John Gilley (USDA-ARS). Awarded: \$60,325.

Mapping the pathways for effective information dissemination and education between manure nutrient management agriculture professionals. January 2015. North Central Region Water Network Extension and Capacity-Building Seed Funding. PI: Erin Cortus (SDSU); co-PI's: Nichole Embertson (Whatcom Conservation District), Teng Teeh Lim

(University of Missouri – Columbia), **Amy Millmier Schmidt**, Jill Heemstra and Jeffrey Jaquet (SDSU). Awarded: \$25,658.

Integrating agricultural, algal, and bioenergy systems for Nebraska: Fruition of the SUPER Loop. January 2015. Nebraska Center for Energy Sciences Research. PI: Galen Erickson; co-PI's: Yufeng Ge and **Amy Millmier Schmidt**. Awarded: \$149,948.

Antimicrobial resistance in manure-amended soil. January 2015. IANR ARD Enhanced Research Collaboration with the USMARC. PI: Amy Millmier Schmidt; co-PI: Bryan Woodbury (USMARC); Collaborators: Xu Li (UNL) and Lisa Durso (USDA-ARS). Awarded: \$79,996.

Swine manure and by-product management for environmental protection. January 2015. National Pork Board Swine Research and Education Experience. PI: **Amy Millmier Schmidt**. Awarded: \$5,000.

PEDv survivability in manure-amended soil and evaluation of lime application to soil as a PEDv biosecurity measure. December 2014. National Pork Board. PI: **Amy Millmier Schmidt**; Collaborators: Dan Miller (USDA-ARS), J. Dustin Loy, Clayton Kelling, Judith Galeota, Nathan Mueller and Kent Eskridge (UNL). Awarded: \$60,254.

Empowering UNL extension personnel to communicate science to consumers. October 2014. UNL Extension New Audience Grant. PI: Lindsay Chichester; co-PI's: Cindy Brison, Karen Cannon, Vaughn Hammond, **Amy Millmier Schmidt**, Jenny Rees, and Nancy Urbanec (UNL). Awarded: \$12,500.

Evaluation of mortality composting parameters necessary for inactivation of PEDv. July 2014. Nebraska Pork Producers Association. PI: **Amy Millmier Schmidt**; Collaborators: J. Dustin Loy, Clayton Kelling, and Judith Galeota (UNL). Awarded: \$16,600.

Migration and transport vector of bioluminescent Escherichia coli O157:H7 and O26:H11 on spinach and green onions from soil treated with manure. UNL Layman Award. June 2014. PI: Amy Millmier Schmidt; co-PI: Ty Schmidt. Awarded: \$15,000.

Influence of the method and timing of land application of manure on the fate and transport of manure constituents in runoff. May 2014. National Pork Board. PI: Xu Li; Collaborators: **Amy Millmier Schmidt**, Shannon Bartelt-Hunt, Dan Snow (UNL), John Gilley (USDA-ARS). Awarded: \$88,518.

Fate of steroid hormone conjugates and E. coli from manure in soil: Potential sources of free hormones and pathogens in forages and the environment? March 2014. Nebraska Water Center. PI: **Amy Millmier Schmidt**; Collaborators: Dan Snow, Xu Li, Shannon-Bartelt Hunt (UNL). Awarded: \$20,000.

Integrated anaerobic digestion. October 2013. The Nebraska Environmental Trust. PI: Galen Erickson. Co-PI's: **Amy Millmier Schmidt**, Rick Stowell, Loren Isom, Mark Riley. Awarded: \$250,000.

XR/MEGA-10ZERO Photonic Imaging System. September 2013. University of Nebraska Agricultural Research Division Hatch Equipment Funds. PIs: Ty Schmidt and **Amy Millmier Schmidt**. Awarded: \$75,000.

On-farm Validation of the Mississippi Irrigation Scheduler Tool (MIST) for Soybean Production Systems. November 2011. Mississippi Soybean Promotion Board. PI: **Amy Millmier Schmidt**; Collaborators: Gretchen Sassenrath, Joseph Crumpton, Jeanne Schneider. Awarded: \$77,231.

Do Your Part! An Educational Program for Promoting Safe Disposal of Pharmaceuticals and Personal Care Products. February 2011. Southern Regional Water Resource Project. PI: **Amy Millmier Schmidt**. Collaborators: Michael Smolen (Oklahoma State University), Maifan Silitonga (Alcorn State University), Ashley Osbourne (University of Kentucky), Ellen Bauske (University of Georgia) and Diane Boellstorff (Texas A&M University). Awarded: \$18,999.

Prescreening/Qualitative Analysis of Pharmaceuticals in the Southern Region. February 2011. Southern Regional Water Resource Project. PI: Maifan Silitonga (Alcorn State University). Collaborators: **Amy Millmier Schmidt**

(MSU), Diane Boellstorff (Texas A&M University), Jason Vogel (Oklahoma State University), Glynn Beck (University of Kentucky), Sam Dennis (Tennessee State University), Teferi Tsegaye (Alabama A&M University), Uttam Saha (University of Georgia), Edmund Buckner and Brian Haggard (University of Arkansas), Odemari Mbuya (Florida A&M University), and G.B. Reddy (North Carolina A&T State University). Awarded: \$44,997.

Web-based Mississippi Irrigation Scheduling Tool. January 2011. Specific Cooperative Agreement with USDA-ARS-Application and Production Technology Research Unit, Stoneville, MS. PI: **Amy Schmidt**. Contracted: \$62,545.

On-farm Validation of the Mississippi Irrigation Scheduler Tool (MIST) for Corn Production Systems. December 2010. Mississippi Corn Promotion Board. PI: **Amy Schmidt**; Collaborators: Gretchen Sassenrath, Lyle Pringle, Bijay Shresthra. Awarded: \$30,147.

On-farm Validation of the Mississippi Irrigation Scheduler Tool (MIST) for Soybean Production Systems. December 2010. Mississippi Soybean Promotion Board. PI: **Amy Schmidt**; Collaborators: Gretchen Sassenrath, Lyle Pringle, Bijay Shresthra. Awarded: \$64,310.

Irrigation Water Use and Sustainability in Soybean Production Systems in Mississippi. March 2010. Mississippi Soybean Promotion Board. PI: **Amy Schmidt**. Awarded: \$19,640.

2009 Mississippi 319 Waste Pesticide Disposal Program. August 2009. Mississippi Department of Environmental Quality. PI: Jimmy Bonner; Co-PI: **Amy Schmidt**. Awarded: \$225,000.

Web-based Mississippi Irrigation Scheduling Tool. June 2009. Specific Cooperative Agreement with USDA-ARS-Application and Production Technology Research Unit, Stoneville, MS. Co-PI's: Scott Samson and **Amy Schmidt**. Contracted: \$31,239.

Feasibility of Dairy Development in Southeast Missouri. July 2006. Missouri Agricultural and Small Business Development Authority. PI: Joe Horner, Collaborators: **Amy Schmidt**, Ryan Milhollin, Joe Zulovich, Barry Steevens, Charles Fulhage, John Lory, Scott Pooch. Awarded \$72,845.

Aikens Beef Finishing Operation Design – Phase II. February 2006. Upper and Middle Mississippi Valley Cooperative Ecosystems Studies Unit. PI: Charles Fulhage, Co-PI's: **Amy Schmidt** and Joseph Zulovich. Awarded \$13,690.

Missouri Swine Production School. December 2005. National Pork Board and Missouri Pork Association. PI: **Amy Schmidt**, Collaborators: Charles Fulhage, John Lory, Raymond Massey, Marcia Shannon, Tim Safranski, Tom Fangman, Ann Ulmer, Joseph Zulovich, and Rex Ricketts. Awarded \$20,000.

Aikens Beef Finishing Operation Design – Phase I. October 2005. Upper and Middle Mississippi Valley Cooperative Ecosystems Studies Unit. PI: Charles Fulhage, Co-PI's: **Amy Schmidt** and Joseph Zulovich. Awarded \$12,008.

CNMP Education Initiative. December 2003. National Pork Board. PI: Marcia Shannon, Collaborators: **Amy Schmidt**, Tim Safranski, Tom Fangman, Raymond Massey, John Lory, Joseph Zulovich, and Charles Fulhage. Awarded \$10,000.

Most Commonly Asked Questions About Pork Production and the Environment. May 2003. National Pork Board. PI: **Amy Millmier**, Collaborators: Charles Fulhage, John Lory, Marcia Shannon, Raymond Massey, Tom Fangman, Tim Safranski, and Joseph Zulovich. Awarded \$5,500.

Comprehensive Nutrient Management Planning Educational Programming for Missouri Swine Producers. December 2002. National Pork Board and Missouri Pork Association. PI: Marcia Carlson Shannon, Collaborators: Charles Fulhage, John Lory, Ray Massey, **Amy Millmier**, and Joseph Zulovich. Awarded \$20,000.

Measurement and Control of Aerial Pollutant Emissions from Swine Finishing Houses. Six-State Consortium on Animal Waste Management. June 2001. Co-PIs: **Amy Millmier**, University of Missouri – Columbia and Albert Heber, Purdue University. University of Missouri: Awarded \$83,142.

Publications

[Book Chapters]

- Durso, L. and **A.M. Schmidt**. 2016. Antimicrobial resistance related to agricultural waste water and biosolids sources. In *Antimicrobial Resistance in Wastewater Treatment Processes*. Edited by Patricia Keen. (In preparation)
- Sassenrath, G., **A. Schmidt**, and B. Leib, 2012. Section 7: Irrigation Scheduling Tools. Pages 32-37. In: Cotton Irrigation Management for Humid Regions. Cotton Incorporated, Cary, NC.
- Millmier, A.**, J. Lory and R. Massey. Environmental Compatibility and Manure Nutrient Management. In: The Missouri Swine Enterprise Manual. Version 1.0, University of Missouri Extension Publications MM102, May 2003.

[Refereed Journal Articles]

- Vitosh-Sillman, S., **A.M. Schmidt**, J.D. Loy, and B. Brodersen. 2016. Effectiveness of composting as a biosecure disposal method with porcine epidemic diarrhea virus (PEDV). (In preparation) *Porcine Health Management*.
- Schuster, N.R., A.M. Schmidt, J.A. Peterson, and J.E. Gilley. 2016. Soil invertebrates as bioindicators of agricultural soil quality under swine slurry treatments. (In preparation). *Appl. Soil Ecol.*
- Schuster, N.R., S.L. Bartelt-Hunt, L.M. Durso, J.E. Gilley, X. Li, D.B. Marx, A.M. Schmidt, and D.D. Snow. 2015. Runoff nutrient and microbial transport following swine slurry application. (In Review). *Trans of ASABE*.
- Watson, A.K., A.M. Schmidt, T. Klopfenstein, and G. Erickson. 2015. Anaerobic digestion of feedlot manure. *2015 Beef Cattle Report*, pp. 115-6.
- Mun, S., Sassenrath, G. F., **Schmidt, A.**, Lee, N., Wadsworth, M. C., Rice, B., Corbitt, J., Schneider, J. M., Tagert, M. L. M., Pote, J. W., Prabhu, R. 2015. Uncertainty analysis of an irrigation scheduling model for water management in crop production. *Agricultural Water Management* (155): 100-112.
- Sassenrath, G. F., Schneider, J. M., **Schmidt, A.**, Corbitt, J. Q., Halloran, J. M., Prabhu, R. (2013). Testing Gridded NWS 1-day Observed Precipitation Analysis in a Daily Irrigation Scheduler. *Agricultural Sciences*, 4, 621-627.
- Schmidt, A.M.**, J. D. Davis, J. L. Purswell, Z. Fan, and A. S. Kiess. 2013. Spatial variability of heating profiles in windrowed poultry litter. *J App Poultry Res*. 22:319-328.
- Sassenrath, G.F., Schneider, J.M., **Schmidt, A.M.**, Silva, A.M. 2012. Quality assurance of weather parameters for determining daily evapotranspiration in the humid growing environment of the Mid-South. *Mississippi Academy of Science*. 57:178-192.
- Ni, J-Q, A.J. Heber, T.T. Lim, P.C. Tao, and **A.M. Schmidt**. 2008. Methane and carbon dioxide emission from two pig finishing barns. *J. Environ. Qual.* 37:2001-2011.
- Heber, A.J., J.-Q. Ni, T.-T. Lim, **A.M. Schmidt**, J. A. Koziel, P.C. Tao, D.B. Beasley, S.J. Hoff, R.E. Nicolai, L.D. Jacobson, and Y. Zhang. 2006. Quality assured measurements of animal building emissions: Gas concentrations. *AWMA Journal* 56:1472-1483.
- Heber, A.J., T.-T. Lim; J.-Q. Ni; P.C. Tao, **A.M. Schmidt**, J.A. Koziel, S.J. Hoff, L.D. Jacobson, Y. Zhang, and G.B. Baughman. 2006. Quality assured measurements of animal building emissions: Particulate matter concentrations. *AWMA Journal* 56:1642-1648.
- Lory, J., R. Massey, J. Zulovich, J. Hoehne, **A. Schmidt**, M. Shannon and C. Fulhage. 2004. An Assessment of nitrogen-based manure application rates on 39 US swine operations. *J. Environ. Qual.* 33:1106-1113.

- Lory, J., R. Massey, J. Zulovich, J. Hoehne, **A. Schmidt**, M. Shannon and C. Fulhage. 2004. Feasibility and costs of phosphorus application limits on 39 US swine operations. *J. Environ. Qual.* 33:1114-1123.
- Millmier, A.**, C. Hurburgh, C. Fulhage, J. Hattey, and H. Zhang. 2000. Near-Infrared Sensing of Manure Nutrients. *Transactions of the ASAE* 43(4).

[Extension Publications]

- Shapiro, C. and **Schmidt, A.M.** (2015). Determining Crop Available Nutrients from Manure. 2015. Nebraska Extension NebGuide G1335 (Revision), p. 6.
- Schmidt, A.M.** (2015). Preparing for a Site Visit. *Pork Information Gateway*. U.S. Pork Center of Excellence, Des Moines, IA.
- Schmidt, A.M.** (2015). Livestock Mortality Management Demonstration Event. (December 2015 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2015). Manure Spreader Calibration Improves Nutrient Use Efficiency. (October 2015 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2015). Marketing Manure to Crop Producers. (September 2015 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2015). What's Up with WOTUS? (September 2015 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2015). The Impact of Manure Management: Finding the Right Balance. In *Strategic Discussions for Nebraska: One Environment, One Health*. IANR Media, pp. 93-4.
- Schmidt, A.M.** (2015). Beef Cattle Water Intake and Output Calculator. Excel Spreadsheet Tool.
- Schmidt, A.M.** (2015). Emergency Holding Pond Management During Wet Weather. In cooperation with the Nebraska Department of Environmental Quality (NDEQ). Special guidance document distributed via Nebraska Extension and the NDEQ.
- Chichester, L., Walz, T., Tonn, S., Randle, R., Berger, A., Stalker, L., **Schmidt, A.**, Johnston, B., Plugge, B., Anderson, B., Johnson, B. B., Treffer, B., Redfearn, D., Aiken, J., Boxler, D., Griffin, D., Bauer, D., Erickson, G., Jenkins, J. D., Parsons, J., Bradshaw, J., Jones, J., Jansen, J., Jenkins, K., Brooks, K., Johnson, L., Drewnoski, M., Luebbe, M., Spangler, M., Stockton, M., Saner, R., Funston, R., Rasby, R., Eirich, R., Wilson, R., Niemeyer, S., Young, S., Barrett, T., Mader, T. (2015). UNL BeefWatch, Troy Walz, Lindsay Chichester (Ed.), Lincoln, Nebraska: *UNL BeefWatch* electronic newsletter. <http://newsroom.unl.edu/announce/beef>
- Chichester, L., Walz, T., Tonn, S., Randle, R., Berger, A., Stalker, L., **Schmidt, A.**, Johnston, B., Plugge, B., Anderson, B., Johnson, B. B., Treffer, B., Redfearn, D., Aiken, J., Boxler, D., Griffin, D., Bauer, D., Erickson, G., Jenkins, J. D., Parsons, J., Bradshaw, J., Jones, J., Jansen, J., Jenkins, K., Brooks, K., Johnson, L., Drewnoski, M., Luebbe, M., Spangler, M., Stockton, M., Saner, R., Funston, R., Rasby, R., Eirich, R., Wilson, R., Niemeyer, S., Young, S., Barrett, T., Mader, T. (2014). UNL BeefWatch, Troy Walz, Lindsay Chichester (Ed.), Lincoln, Nebraska: *UNL BeefWatch* electronic newsletter. <http://newsroom.unl.edu/announce/beef>
- Schmidt, A.M.** (2014). EPA's Proposed Waters of the U.S. (WOTUS) Rule. (October 2014 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2014). Manure Spreader Calibration Improves Nutrient Use Efficiency. (October 2014 ed.). *BeefWatch* Newsletter.

- Schmidt, A.M.** (2014). Proposed Changes to "Waters of the United States" Definition. (June 2014 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2014). How Can YOU Educate Consumers About Agriculture? (March 2014 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** (2014). UNL Extension Talks Agriculture Through Social Media Outlets. (January 2014 ed.). *BeefWatch* Newsletter.
- Schmidt, A.M.** 2013. Managing Earthen Manure Storage Basins During Drought. University of Nebraska Extension Circular 719.
- Schmidt, A.M.** 2013. Safe Disposal of Veterinary Pharmaceuticals. Pork Information Gateway Fact Sheet, HOW-10-06-02.
- Schmidt, A.M.** 2013. Feedlot Abandonment Recommended Procedures (Revision). University of Nebraska NebGuide G1293.
- Schmidt, A.M.** 2013. Abandonment Planning for Earthen Manure Storages, Holding Ponds, and Anaerobic Lagoons (Revision). University of Nebraska NebGuide G1370.
- Schmidt, A.M.** 2013. Sludge Management for Anaerobic Lagoons and Runoff Holding Ponds (Revision). University of Nebraska NebGuide G1371.
- Schmidt, A.M.** 2013. Estimating a Whole Farm Nutrient Balance: Spreadsheet Instructions (Revision). University of Nebraska EC 189.
- Schmidt, A.M.** 2013. Manure Nutrient and Land Requirement Estimator: Spreadsheet Instructions (Revision). University of Nebraska EC 190.
- Schmidt, A.M.** (2013). Emergency Management Planning for Livestock Operations. Lincoln, NE: UNL BeefWatch Newsletter. UNL Beef Spire. <http://newsroom.unl.edu/announce/beef/2754/15387>
- Schmidt, A.M.** (2013). Large Animal Mortality Composting Demonstration. Lincoln, NE: UNL BeefWatch Newsletter. UNL Beef Spire. <http://newsroom.unl.edu/announce/beef/2754/15400>
- Schmidt, A.M.** (2013). Composting Large Animal Carcasses. Lincoln, NE: UNL BeefWatch Newsletter. UNL Beef Spire. <http://newsroom.unl.edu/announce/beef/2563/14861>
- Schmidt, A.M.** (2013). Managing Earthen Manure Storage Basins During Drought. Lincoln, NE: BeefWatch Newsletter. UNL Beef Spire. <http://newsroom.unl.edu/announce/beef/2563/14870>
- Schmidt, A.M.** (2013). Safe Food Systems the Result of Science, Monitoring. In Strategic Discussions for Nebraska., Mary Garbacz, EdMedia (Ed.), (vol. 4, pp. 70-71). Lincoln, NE: Nebraska: The Epicenter of Global Beef Production. UNL College of Agricultural Sciences and Natural Resources.
- Barrett, J., **A.M. Schmidt** and J. Camp. 2012. Testing and Understanding Residential Private Well Drinking Water Analyses in Mississippi. Mississippi State University Extension Service.
- Schmidt, A.M.**, E. Bauske, A. Osborne, M. Silitonga, R. Sheffield, J. Bonner, M. Smolen, J. Vogel, S. Dennis, and D. Boellstorff. 2012. Pharmaceutical Disposal Education Website. www.DontDrugYourDrain.com.
- Schmidt, A.M.** 2011. Chemigation (Revision). Mississippi State University Extension Service. Publication number 1551.

- Schmidt, A.M.** 2011. Irrigation Facts and Figures (Revision). Mississippi State University Extension Service. Publication number F 804.
- Schmidt, A. M.,** G. Sassenrath, J. Crumpton, B. Rice. 2011. Water Conservation and Water Management Website. www.agwater.msucare.com.
- Oldham, L., and **A. Schmidt**. 2011. Operating an Environmentally Compatible Livestock Operation. Mississippi State University Extension Service. Publication number 2658.
- Sassenrath, G.F., D.K. Fisher, H.C. Pringle, S. Samson and **A.M. Schmidt**. 2010. Irrigation Scheduling for Humid Environments – Improving Water Management, Crop Performance and Economic Return. USDA-ARS Crop Production Systems Fact Sheet No. 2010-003. November 2010.
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- Lory, J., R. Massey, **A. Schmidt**, R. Milhollin V. Pierce, J. Zulovich, J. Hoehne, E. Wilson, and R. Ricketts. How Do Missouri's Concentrated Animal Feeding Operation Regulations Compare to Competing States? Report prepared at the request of, and submitted to, the Missouri Department of Agriculture on March 8, 2004.
- Millmier, A.**, T.J. Fangman, M.S. Carlson, J. Zulovich, R. Massey, J. Lory, C. Fulhage. 2003. Answers to Consumers' Questions About How Pork is Produced. National Pork Board publication. Des Moines, IA, June 2003.

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Lory, John A., Ray Massey, Joe Zulovich, **Amy Millmier**, John Hoehne, and Chanda Case. "Chapter 2: Feasibility of Adopting Phosphorus-Rotation Limits Versus Nitrogen Limits for Manure Application." Comments to the USEPA on the Concentrated Animal Feeding Operation Proposed Rule. Submitted July 26, 2001.

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Boessen, Chris, Ray Massey, John Lory, Joe Zulovich, **Amy Millmier**, and Marcia Carlson. "Chapter 7: Co-Permitting Provisions in the Proposed Revisions to the NPDES Permit Regulation and Effluent Guidelines and Standards for CAFOs." Comments to the USEPA on the Concentrated Animal Feeding Operation Proposed Rule. Submitted July 26, 2001.

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Honors and Awards

Leadership Resources Success Award	2014
UNL Institute of Agriculture and Natural Resources "Faces to Watch"	2013
Epsilon Sigma Phi Early Career Service State Award <i>For exemplary service to extension through environmental research and education to improve agricultural sustainability and profitability and protect public health</i>	2011
Mississippi State University State Pride Award for Faculty Excellence	2011

ASABE Conference Chair Recognition Award <i>2010 International Symposium on Air Quality and Manure Management for Agriculture</i>	2011
ASAE Outstanding Paper Award “Near Infrared Sensing of Manure Nutrients” <i>Transactions of the ASAE</i> , Vol. 43, No. 4	2002
USDA-NRCS Certificate of Appreciation <i>For assistance in training NRCS personnel and third party vendors on nutrient management in one-on-one and group sessions</i>	2001
Epsilon Sigma Phi State Team Award <i>For participation in a project in response to a National Pork Producers Council invitation to help agricultural producers understand the implications of the proposed EPA regulations on animal and crop agriculture in the United States</i>	2001