

Mark Jenner, PhD.

Owner, Biomass Rules, LLC

biomassrules@gmail.com

618.223.9331

Greenville, IL 62246

Education and Training

PhD. Agricultural Economics , <i>Economics of Annual Grazing Systems</i> . University of Missouri, Columbia, Missouri.	1996
MS. Agricultural Economics , <i>Grower Level Management Alternatives for Land Application of Broiler Litter</i> . University of Missouri, Columbia.	1992
MS. Agricultural Mechanization Systems , <i>Methane Production from Anaerobic Digestion of Swine Manure by Chemical Coagulation in a Baffle Reactor</i> . University of Missouri.	1990
BS. in Agronomy , University of Missouri, Columbia.	Dec. 1980
Work-study program in Moosbach, Germany on a commercial potato breeding/confined farrow-to-finish operation for six months in Bavaria.	1979

Professional Experience

Owner, Chief Economist, Biomass Rules, LLC, biomass business, policy development, and feedstock resource consulting , www.biomassrules.com	Jan. 2024-Present
Assistant Professor , Director Agribusiness, Greenville University <i>Built signature, accredited agribusiness program in business school.</i>	Aug. 2016 – Aug. 2024
Dean and Dir. of Graduate Studies , Briner School of Business, GU	Aug. 2018 – Aug. 2019
Associate Extension Professional , Agriculture Business Specialist Faculty, University of Missouri Extension, Bates County Missouri <i>Served on an award-winning farm transition curriculum development team.</i>	Oct. 2013 - Aug. 2016 2016
Senior Environmental Economist , World Agricultural Economic and Environmental Services (WAEES), a global forecasting company, Columbia, MO <i>Synchronized environmental attributes with robust forecasting models.</i>	April 2012 - Aug. 2013
Senior Analyst , California Biomass Collaborative, University of CA, Davis, <i>Helped develop Biomass Crop Adoption Model (BCAM) to simulate energy crop choices.</i> <ul style="list-style-type: none">• Modeled energy crop adoption in crop producing areas of California.• Modeled energy crop choices in five, Pacific Northwest states as USDA, NIFA-funded aviation biofuel company became commercial.	Dec. 2009 - Dec. 2012
Owner, Chief Economist , Biomass Rules, LLC, biomass business, policy development, and feedstock resource consulting, www.biomassrules.com <i>Conducted feasibility studies on biomass energy and composting projects.</i> <i>Conducted biomass resource inventory studies like the BioTown, USA project in Indiana.</i>	Oct. 2003 – Dec. 2012
Adjunct Faculty , Taught economics and math, Kaskaskia College, Greenville, IL	2006 - 2009
Economist & Commodity Policy Specialist , poultry, aquaculture, manure, and public data access, American Farm Bureau Federation, <i>Successfully coordinated a campaign to provide ownership rights and full USDA support of US farm-raised fish (upgraded legal standing).</i> <i>Provided economic clarity to contract poultry growers on contract economic functionality.</i> <i>Defended livestock farmers rights to produce manure from livestock and pioneered adding value to manure composting and energy projects.</i> <i>Served with USDA, Census of Agriculture Advisory committee 10 years, initially with Commerce Department. Advocated for public data access and transparency.</i>	March 1995 - Oct. 2003

Graduate Research Assistant, University of Missouri-Columbia, **Aug. 1988-Feb. 1995**
Owner, Jenner Farms, Operated profitable Illinois feeder pig farm, Greenville, IL, **1985 - 1989**
US Peace Corps Volunteer, Nepal (1982 to 1984), Agronomist on USAID, Integrated Cereals Project doing on-farm crop research and outreach in rural Nepal. **1982 - 1984**
Fulltime Swine Herdsman, Farrow to finish pasture farm, Greenville, IL **1981 - 1982**

Awards and Honors

Outstanding Program Award, University Missouri Extension Association, for farm. **2016**
 - transition curriculum, *Your Farm, Your Business, Your Future*.
BioTown, USA Task Force, Technical Support, Indiana State Dept. of Agriculture, **2006**
Census of Agriculture, federal advisory committee, Commerce/USDA, **1995 to 2004**
 • **Chair**, USDA, Agriculture Statistics Advisory Committee, **2004**
National Aquaculture Industry Forum, Chair, A national aquaculture coalition. **1995 – 1997**
Students for Practical Agriculture, Charter Vice President. MU student organization founded to provide ag students with experiential farm management experience.
 MU agricultural students managed 50 acres of soybeans and grain sorghum. **1980**

Publications

Peer-Reviewed Articles, Books, and Book Chapters

Principles of Agribusiness Management, Sixth Edition (forthcoming) James G. Beierlein and **Mark W. Jenner**. Waveland Press, estimated release, 2025.

Economic sustainability modeling provides decision support for assessing hybrid poplar-based biofuel development in California, by Varaprasad Bandaru, Nathan C. Parker, Quinn Hart, **Mark Jenner**, Boon-Ling Yeo, Jordan T. Crawford, Yuanzhe Li, Peter W. Tittmann, Luke Rogers, Stephen R. Kaffka, Bryan M. Jenkins, *California Agriculture*, July-September 2015, Vol. 69(3): 171-176.

Extension Curriculum, *Your Farm, Your Business, Your Future: A workshop to help you with succession, estate and retirement planning*. Darla Campbell, Karisha Devlin, Kelly Dyer, Joe Horner, **Mark Jenner**, Joe Koenen, Wayne Prewitt, Rebecca Travnicheck, and Andrew Zumwalt. University of Missouri Extension. A 12-hour, non- credit course. **2015**

Extension Curriculum, *Show-Me Market Showdown, Online Grain Marketing Game*. **Jenner, M.W.**, Wiegel, W.J., Cahill, N.E., Carpenter, B.D., Devlin, K.L., Doty, R., Koenen, J.W., Tucker, W.E. Educational grain marketing game **2014 - 2015**

Williams, James L. and **Mark Jenner**. 2011. Petroleum Dependence, Biofuels – Economies Of Scope And Scale; US & Global Perspective. Chapter 19 IN *Energy and Power Generation Handbook: Established and Emerging Technologies*. K. R. Rao. Editor. ASME Press. 2011.

Improved manure management and utilization: A systems approach. Laura McCann, Charles Abdalla, **Mark Jenner**, and Ray Massey. *Renewable Agriculture and Food Systems*: 20(3); 127–135. September 2005.

Treatment of Dilute Manure Wastewaters By Chemical Coagulation. Dennis M. Sievers, **Mark W. Jenner**, M. Hanna. *Transactions of the ASAE*. American Society of Agricultural Engineers. 1994. Vol. 37(2): 599-601.

Biotechnology Crops - A Producer's Perspective, by **Mark W. Jenner** in *Genetically Modified Organisms in Agriculture: Economics and Politics*, by Gerald C. Nelson Academic Press. 2001.

Data Analysis/Technical Reports

- Crop Input Technologies Work Group Report*, C. Richard Amerman, Paul Backman, Ron Marlow, James Power, Clay Ogg, **Mark W. Jenner**, Laura Lengnick, Carment Sandretto, and Don Tyler IN *Crop and Livestock Technologies for the 21st Century: RCA III Symposium* By Burton C. English, Richard L. White, and Liu-Hsiung Chuang. Iowa State University Press. 1997.
- Kaffka, Stephen, Boon-Ling Yeo, **Mark Jenner**, Taiying Zhang, Santiago Bucaram, Wang Ru Yang, Wilson Salls, July 2014, “*Integrated Assessment of Agricultural Biomass Derived Alternative Fuels and Power in California*,” California Energy Commission, publication number: 500-08-016. California Biomass Collaborative, <http://biomass.ucdavis.edu/publications/>
- Kaffka, Stephen and **Mark Jenner**, 2012, “Energy Crop Assessment in California Using Economic Optimization,” California Energy Commission, publication number: 500-08-017. California Biomass Collaborative, <http://biomass.ucdavis.edu/publications/>
- Kaffka, Stephen, **Mark Jenner**, Garrett Liles, Doug Wickizer, Robert Williams, 2012, “*Biomass Management Zones and New Pathways to Bioenergy*,” California Energy Commission, publication number: 500-08-017. California Biomass Collaborative, <http://biomass.ucdavis.edu/publications/>
- Kaffka, Stephen, Rob Williams, **Mark Jenner**, Ricardo Amon, Doug Wickizer, 2012. “*Final Report: Task 3 California Biomass Collaborative (CBC)*.” California Energy Commission, PIERS Contract: 500- 08-017. California Biomass Collaborative, <http://biomass.ucdavis.edu/publications/>
- Amón, R., **M. Jenner**, M., R.B. Williams, H. El-Mashad, S.R. Kaffka, 2012. “*Draft California Food Processing Industry: Residue Assessment*.” California Energy Commission, publication number: 500- 08-017. California Biomass Collaborative, biomass.ucdavis.edu/reports/
- Kaffka, S. R. and **M. W. Jenner**. “2010 Draft - *Biofuels and Biodiversity in California: Scenarios of Biofuel Production*.” California Energy Commission. California Biomass Collaborative (University of California Davis). December 2010.
- “*San Benito County Sourcebook of Biomass Energy*,” Prepared for the Central Coast Recycling Market Development Zone. September 2008
- BioTown, USA Sourcebook*. Energy use, biomass feedstock inventory and conversion technology review written for the Indiana Office of Energy and Defense Development, Indiana State Department of Agriculture and the town of Reynolds, Indiana. April 2006.
- Prepared projected trade impacts on agricultural commodities of 40 U.S. Congressional Districts of imports 20 years out for clients in Washington, DC. Ross Korves and **Mark Jenner**. March 2005.
- Analyzed and reported on land use data variability between the Census of Agriculture (USDA-NASS) and the Natural Resource Inventory (USDA-NRCS) for the USDA.
- 2003 American Farm Bureau Federation, Making \$en\$e of **Regulatory Economics** Series:
“*Ruling Blind: Regulation without Information*.” #12. June 2003
“*Fresh Manure Facts Reported*.” #11. May 2003
“*Definitive Power: the Policy Impact of Definitions*.” #10. April 2003
“*The Tragedy of the Minus Five Rule*.” #9. January 2003

Data Analysis/Technical Reports, Continued

2002 American Farm Bureau Federation, Making \$en\$e of **Regulatory Economics** Series:

“A ‘One-Size’ Rule Does Not 3,100 Counties Fit.” #8. September 18, 2002

“Impacts of Regulations that are All Skewed Up.” #7. September 7, 2002

“Manure Treasure Maps Revisited. #6.” July 15, 2002

“Overcoming Regulatory Policy Schizophrenia. #5.” June 27, 2002

“There is ~~No~~ Such Thing as a Beneficial Regulation.” #4. February 6, 2002

2002 American Farm Bureau Federation, Making \$en\$e of **Manure Economics** Series:

“Tasty Waste?... No Whey”! #13. October 3, 2002

“Making the Most of Marketing Manure.” #12. April 15, 2002

“Planning and Processing Manure Efficiently”. #11. March 7, 2002

“Fresh Manure Uncovered.” #10. January 30, 2002

“All Manure is NOT Created Equal.” #9. January 18, 2002

2002 American Farm Bureau Federation, Making \$en\$e of **Contract Economics** Series:

“Production Contract Pay: ‘New Math’ for Contract Growers”. #10. October 21, 2002

“Does Flock Performance Rank = Grower Performance Rank?” #9. April 22, 2002

“Grower Cost of Operating a Broiler House Below Capacity.” #8. April 9, 2002

“Understanding the Lender’s Share of Grower Contract Pay.” #7. January 3, 2002

2001 American Farm Bureau Federation, Making \$en\$e of **Regulatory Economics** Series:

“Stricter Water Rules on Aquaculture Are a Waste.” #3. November 27, 2001

“Diving Into Clean Water Regulatory Economics.” #2. November 21, 2001

“Regulatory Economics 101: Making Economic Sense of Regulations.” #1. Nov.16, 2001

2001 American Farm Bureau Federation, Making \$en\$e of **Manure Economics** Series:

“MAN-U-Re GOOD (Man, you are good!).” #8. August 14, 2001

“Developing a Federal P-Based, Manure Land-Application Policy.” #7. August 10, 2001

“An Investor’s Guide to Manure Treasure Maps.” #6. June 15, 2001

2001 American Farm Bureau Federation, Making \$en\$e of **Contract Economics** Series:

“Are Your Grower Assets Protected Contractually?” #6. October 5, 2001

“Are Oklahoma Growers Company Employees?” #5. August 24, 2001

“Tournament Compensation ...or, ‘Games’ Contract Growers Play.” #4. July 18, 2001

“Discovering Contract Economic Theory ...or, ‘Everything You Know is Wrong.’” #3. June 18, 2001

“Broiler Grower Net Farm Income.” #2. May 25, 2001

“Broiler Industry, Farm-Level Impact.” #1. May 22, 2001

The Economic Significance of the U.S. Aquaculture Industry: A case study in the benefits and costs of the industry regulation. EPA and the Aquaculture Effluent Task Force. This report became the foundation for a proposed rule with EPA . December 2000.

Comments on the Bt Plant-Pesticides Biopesticides Registration Action Document: Preliminary Risk and Benefits Report. October 19, 2000

1999 American Farm Bureau Federation, Making \$en\$e of **Manure Economics** Series:

“Outcome-based Performance Standards vs. Historical Technical Practices.” [#5] Jan. 1999

“Scaling the Manure Mountain.” [#4] January 1999

“Effective Policies Must Reflect Reality.” [#3] January 1999

“Effective Manure Policies Must Build Trust.” [#2] January 1999

“Designing Transparent Policies.” [#1] January 1999

Data Analysis/Technical Reports, Continued

- Report of the Alternative Use Working Group.* Jim Wimberly and **Mark W. Jenner**. Del Denney, Chair. IN Environmental Framework and Implementation Strategy for Poultry Operations. Final Report to Poultry Industry Environmental Dialogue. December 1998.
- Theory of Manure-derived Product Marketing.* IN Environmental Framework and Implementation Strategy for Poultry Operations. Final Report to Poultry Industry Environmental Dialogue. Appendix 2. December 1998.
- Model Contract Provisions.* AFBF. April 6, 1998.
- Generic Manure Product Market Promotion.* AFBF. Discussion Draft. February 1998
- Improved grower/integrator relations would enhance poultry industry. Feedstuffs.* Vol. 70, No. 11, March 16, 1998
- Opportunities for a Market-Based Environmental Policy in the Poultry Industry.* American Farm Bureau Federation. February 6, 1998
- A Position of Strength.* **Mark W. Jenner**. AFBF. January 20, 1998
- AFBF petition to the Secretary of Agriculture to designate farm-raised fish as livestock* that led to inclusion of farm raised fish under USDA's Animal and Plant Inspection Service to recognize property rights. November 1997
- American Farm Bureau Federation Contract Growers Issue Conference: Draft Summary Report.* June 1997
- Missouri Ridge Tillage Survey; Selected Findings.* Donald D. Osburn, Wayne Prewitt, Pat Miller and **Mark W. Jenner**, 1992. Ag Lenders Seminars Report, Department of Agricultural Economics, University of Missouri-Columbia.
- Managing Land Application of Broiler Litter to Optimize Economic Value and Water Quality.* Tony Prato, Joe Vandepopuliere, Charles Fulhage, Tim Haithcoat, Feng Xu, Chris Fulcher and **Mark Jenner**. 1991. Report No. G-1572-04. MO Water Resources Research Center.

Presentations

Selected Professional Presentations

- Your Farm, Your Business, Your Future: New Missouri Extension Curriculum for Transferring Assets Across Generations.* **Mark Jenner**, Darla Cambell, Karisha Devlin, Kelly Dyer, Jessica Gordon, Joe Horner, Joe Koenen, Wayne Prewitt, Amber Rice, Rebecca Travnicheck, Wesley Tucker, Ben Weikert, Andrew Zumwalt. Selected Presentations at the Annual Meeting and Professional Improvement Conference of the National Associations of County Agricultural Agents. Little Rock, AR, July 27, 2016.
- Retail Meat Price Scanner Data.* Leland Southard, **Mark Jenner**, Dawn Thilmay, and David Anderson. Selected Symposium at the American Ag Economics Meetings. Montreal, CA. July 29, 2003.
- Constraints to Non-Traditional Uses of Manure* in panel on Constraints to Manure Solutions. Laura McCann, Charles Abdalla, **Mark Jenner** and Ray Massey. Selected Symposium at the American Agricultural Economics Association Meetings. Montreal CA. July 28, 2003.
- Technical Efficiency as a Measure of Sustainability on Missouri Farms.* **Mark W. Jenner** and Nicholas Kalaitzandonakes, 1994. Selected paper presented at the Southern Agricultural Economic Association Meetings, Nashville TN, February 5-9, 1994.
- Evaluation of Methane Gas Production in a Simultaneous Regression System.* **Jenner, Mark W.**, J. Maatta and D. M. Sievers. 1991. Selected paper presented at the Applied Statistics in Agriculture Conference, Manhattan KS, April 29-30, 1991.

Invited Industry Presentations

- Mark Jenner**, “Cashing in On Local Production and Local Use,” 2018 Live Local Local-Regional Food Conference, Bloomington, IL, November 6, 2018
- Mark Jenner**, “*Unpacking the US EPA GHG Inventory Calculations for Livestock*,” World Agricultural and Economics (WAEES) Outlook Conference, St. Louis, MO. May 2013.
- Mark Jenner**, “*If ‘Manure’ Falls in the Forest, Does it Make Any Sound?*” 12th Annual BioCycle Conference on Renewable Energy From Organics Recycling, St. Louis, MO. Oct. 29-30, 2012
- Mark Jenner** and Stephen Kaffka. “Energy from Biomass and California’s Regulations,” Tulare Farm Show, Tulare, CA, February 15, 2012
- Mark Jenner** and Stephen Kaffka. “Prospects for Agricultural Feedstocks for Biofuels in California,” Tulare Farm Show, Tulare, CA, February 15, 2012
- Jenner, Mark**. 2011. *The State of the US Carbon Economy*. BioCycle Global 2011 Conference. San Diego, California. April 12-13, 2011.
- Kaffka, Steve, and **Mark Jenner**. 2011. *Prospects for Agricultural Feedstocks for Biofuels in California. Fourth Berkeley Bioeconomy Conference: The State of Biofuel and Biotechnology*. University of California, Berkeley. March 24-25, 2011.
- “Economic simulation of biofuel crop production,” Plant Science Extension Winter Conference, UC-Davis, Davis, CA, February 23, 2010.
- “Biofuel Crop Adoption in California,” BREN School in Santa Barbara, CA, January 2010
- “Profitable Biomass Systems: Balancing Supply and Demand.” Iowa Forage and Grassland Council, Des Moines, IA November 23-24, 2009
- “Renewable Fuel Standard Challenges and Opportunities,” 9th Annual *BioCycle* Conference on Renewable Energy From Organics Recycling, Bloomington, MN. October 19-21, 2009
- “Building the Bioeconomy: The Race to Commercialization.” Keynote Presentation. The 2009 Waste-to-Fuels Conference & Trade Show, San Diego, CA, May 18-19, 2009
- “Building the Bioeconomy: The Race to Commercialization.” *BioCycle* International Waste Diversion, Composting, Renewable Energy Conference, San Diego, CA. April 29, 2009
- “Birth of the Biomass Energy Industries.” Keynote address. 2009 Annual Meeting of the Illinois Soil & Water Conservation Society. Taylorville, IL. January 28, 2009
- “*Profitable Ag Wastes of the Future*,” Midwest Ag Energy Network Summit: Policies to Profit in the New Carbon Economy, Rosemont, IL, December 15-16, 2008.
- “*Connecting Spatial Metrics to County-Level Data*,” December 2008.
<http://biomassrules.com/articles/ConnectingSpatialMetricstoCounty.pdf>
- “Algae: From Environmental Threat to Energy Solution.” Environmental Professionals of Iowa Conference, Des Moines, IA, November 15-16, 2008
- “Community Biomass Inventory of San Benito County, CA,” BioCycle Conference On Renewable Energy From Organics Recycling, Madison, WI, October 6-7, 2008.
- “*Manure of the Future*,” Manure Entrepreneurs: Turning Brown to Green, 2008 Breimyer Seminar, University of Missouri, Columbia, MO, May 22, 2008.
- “*Biomass Energy - Making it Work!*” 7th Annual Southern Bioproducts & Renewable Energy Conference, Choctaw, MS, April 14-15, 2008.
- “*Biofuel Opportunities and Challenges*,” 2008 Chartwell/Envirobiz Waste Industry Summit, Tampa, FL, February 24-27, 2008.

Invited Industry Presentations, Continued

“Agronomic Implications of Biomass Energy Crop Production,” 2007 Mid-Atlantic Crop Management School. Ocean City, MD. November 13-15, 2007.

“*The New Integrated Bioenergy Business Model - Combining Profit And Waste Remediation,*” BioCycle Renewable Energy from Organics Recycling Conference in Indianapolis, IN October 1-3, 2007.

“*Making \$en\$e of Manure Energy Revenue*” Renewables on Parade Conference, Washington, IA, September 20-23, 2007.

“*The BioTown, USA™ A Systems Approach to Locally Grown*” Renewables on Parade Conference, Washington, IA, September 20-23, 2007.

“*Unlocking the Hidden Value of Indiana Livestock: Maximizing Output with Farm System Data.*” A white paper written for the Indiana Soybean Alliance.

“*Lessons Learned – AFBF Production Contracts,*” American Farm Bureau Federation, Production Contract Conference. St. Louis, MO. April 19, 2007.

“*The BioTown, USA™ A Systems Approach to Locally Grown,*” US Composting Council Annual Meeting, Orlando, FL. January 20, 2007.

“*The BioTown, USA™ Power Plant Vision,*” BioCycle, Renewable Energy from Organics Recycling Conference. Minneapolis, MN. October 31, 2006.

Biomass Energy Outlook, Agriculture Industry Outlook, Rosemont, IL October 15, 2006.

“*The BioTown, USA Digester: One Piece of the BioEnergy System.*” Methane Recovery from Farm and Food Processing Waste Workshop. Midwest CHP Application Center. Peru, IN. June 6, 200

“*BioTown USA Biomass Feedstock Inventory.*” Overview of BioTown, USA Sourcebook data. Initial meeting of the BioTown Taskforce. West Lafayette, IN. February 1, 2006.

Evaluation of Applied Research & Outreach at University of Minnesota in meeting the needs of Minnesota Agriculture. Ross Korves and Mark Jenner. January 2006.

Discovering the Value of Manure. Iowa State University Biorenewable Resources Seminar. Ames, IA. April 3, 2003.

Emerging Contract Economic Issues. Poultry Committee Meeting. Alabama Farm Bureau Federation. Cullman, AL, February 4, 2003.

Making the Most of Manure Resources. Connecticut Farm Bureau Annual Meeting. Hartford, Connecticut. November 16, 2002.

Regulatory Incentives for Advancing Manure-derived Energy Markets. Midwest Biomass Forum. Strategy Forum on Midwest Biomass Energy Development. Environmental Law and Policy Center and U.S. Department of Energy, Great Lakes Regional Biomass Energy Program. April 25, 2002

Discussion paper comparing the costs of banning either the practice of feeding broiler litter to cattle or mammalian protein (meat and bone meal) to poultry, or both in an effort to strengthen food safety protocols. January 2002.

North Carolina Farm Bureau Federation, Annual Meeting. Contract poultry production issues conference. December 2001.

Everything You Wanted to Know about Contract Poultry Growing, but Were Afraid to Ask. AFBF National Poultry Grower Issues Conference. Nashville, Tennessee. October 29-30, 2001.

Invited Industry Presentations, Continued

Why is APHIS Writing Rules on Aquatic Animals. AFBF. National Aquatic Animal Health Program/Regulatory Conference. One-day session at Aquaculture 2001. Orlando, Florida. January 22, 2001.

The Producer's Perspective on Biotechnology. AT The Policy Implications of Biotechnology in the Food Sector. Council on Food, Agriculture and Resource Economics (C-FARE). Washington, DC. May 15, 2000.

The Producer Perspective on Biotechnology. For the American Association of Cereal Chemists. Seattle, Washington. November 1, 1999.

Applying Science to Watershed Discussions: The Watershed Heroes Conference. Jim Porterfield and Mark W. Jenner. Poster at Alliance for Environmental Stewardship: A Comprehensive Approach. St. Louis, MO. September 20-22, 1999.

Manure, Black Gold or Black Goo. CountryMark, Crops Forum. Columbus, Ohio. December 1998.

Manure, Black Gold or Black Goo. CountryMark, Crops Forum. Indianapolis, Indiana. November 1998.

Our Food Systems: A Commercial Agriculture Perspective. Environmental Grant Makers Association Retreat. Houston, Texas. October 31, 1998.

Shaping Environmental Issues. Delmarva Nutrient Management Conference. Delaware Farm Bureau, Camden, Delaware. August 19, 1998.

Coping With the Criminalization of Livestock Production. Presented at Soil and Water Conservation Society Manure Management Conference. Ames, IA. February 19, 1998

Producing Manure to Capture the Market. Presented at Soil and Water Conservation Society Manure Management Conference. February 19, 1998

Shaping the Future of the Poultry Industry. AFBF. Pennsylvania Farm Bureau Commodity Conferences. January 28-29, 1998

How Farmers View Aquaculture Extension. Aquaculture Extension Conference. Annapolis, MD. April 12, 1997

Incentives: Enhancements and Big Sticks. AFBF Contract Growers Issues Conference. Birmingham, Alabama. March 18-19, 1997

Reinventing Manure. National Academy of Sciences. Conference on Livestock and the Environment. March 10, 1997

The Challenge and Opportunity of Resolving Grower/Integrator Relations. Iowa Poultry Symposium. Ames, Iowa. February 25, 1997

Manipulation of Environmental Laws to Suppress Commercial Animal Production. National Poultry Waste Management Symposium. Harrisburg, Pennsylvania. October 22, 1996.

Reinventing Manure: Managing Nutrients by Adding Value. American Farm Bureau Federation, Watershed Heroes Conference, June 1996.

Manure Management: Does it Cost or Pay? American Farm Bureau Annual Convention. Reno, Nevada January 1996.

An Economic Analysis of Land Application of Broiler Litter in the Shoal Creek Watershed. Barry County, Missouri. Tony Prato, Feng Xu, and Mark W. Jenner. 1992. Paper presented at the Water Quality Conference, Columbia, MO, January 29-30, 1992.

Farm Level Management Alternatives to Land Application of Broiler Litter. Paper presented at 9th Annual Research and Creative Activities Forum, University of Missouri-Columbia, February 29, 1992.

Public Agency Presentations

- Mark Jenner, “MAN–U–Re GOOD: A Review of Manure Valuation” Digesting Digesters 2012, workshop for State of California Managers, Davis, CA January 2012
- Jenner, Mark. “*Net Zero Davis: Carbon Efficiency in Bio Communities*,” Net Zero Davis Taskforce, Davis, CA October 2011.
- “Economic Simulation of Biofuel Crop Adoption,” Presentation to USDA at California FSA office on USDA biofuels roadmap. November 1, 2010.
- “Economic Simulation of Biofuel Crop Adoption,” Presentation to economists and modelers at the California Department of Water Resources. Sacramento, CA June 29, 2010.

Poster Presentations

- Campbell, D, Devlin, K.; Dyer K.; Horner, J.; **Jenner, M.**; Koenen, J.; Prewitt, W.; Travnichek, R.; Tucker, W.; Weikert, B.; Zumwalt, A., “*Your Farm, Your Business, Your Future.*” Presented at the Annual Meeting and Professional Improvement Conference of the National Associations of County Agricultural Agents. Little Rock, AR, July 27, 2016.
- Jenner, M.W.**, Wiegel, W.J., Cahill, N.E., Carpenter, B.D., Devlin, K.L., Doty, R., Koenen, J.W., Tucker, W.E., “*Show-Me Market Showdown, MU Extension’s Online Grain Marketing Educational Game.*” Poster Presentation at 2015, MU Extension Summit, Columbia, MO, October 27-29, 2015.
- Mark Jenner**, Santiago Bucaram, Stephen Kaffka, and Bryan Jenkins. “*Bioenergy Crop Adoption Model (BCAM)*,” Poster Presentation at USDA, NIFA, AFRI-Advanced Hardwood Biofuels Project Annual Meeting, Boardman, OR. September 2012.
- Mark Jenner**, Santiago Bucaram, Stephen Kaffka, and Bryan Jenkins. “*Building Regional Enterprise Budget Input Files for BCAM*,” Poster Presentation at USDA, NIFA, AFRI-Advanced Hardwood Biofuels Project Annual Meeting, Boardman, OR. September 2012.
- Jenner, Mark**, Maximo Alonso, and Steve Kaffka. 2011. *Regional Bioenergy Crop Adoption in California*, Poster. California Biomass Collaborative Forum, University of California, Davis. April 4-5, 2011.
- “Economic Simulation of Biofuel Crop Adoption,” Poster at California Biomass Collaborative Annual Forum, Davis, CA May 2010.
- “*Bioenergy by The Numbers*” Iowa State University Bioeconomy Conference, Ames, IA, September 8-9, 2008.
- “*Indexing Bioenergy Regulations for Economic Growth, Environmental Benefit, and limited Risk.*” Iowa State University Bioeconomy Conference, Ames, IA, September 8-9, 2008.
- The Impact of Management on the Classification of Broiler Litter.* **Mark W. Jenner**, Tony Prato and Feng Xu.
- Poster presented at the American Agricultural Economic Association annual meetings in San Diego, CA, August 7-10, 1994.
- Managing Land Application of Broiler Litter to Optimize Economic Value and Water Quality.* Tony Prato, Tony, Feng Xu, and **Mark W. Jenner**. Poster presented at the Southern Agricultural Economic Association Meetings, Lexington KY, February 2-5, 1992.

Panel Discussions

- Farm Policy Panel Discussion, panelist, MU Extension, West-Central Agri Services open house, Adrian, Mo. January 2015.
- “*Fostering The Energy Sea Change*,” Panelist, Biomass Rules, LLC. BioCycle, Renewable Energy from Organics Recycling Conference. Minneapolis, MN. October 31, 2006.
- As a Farm Bureau staff, participated in panel on innovative strategies at US EPA, Region 6, Non-point source conference, Fayetteville, Arkansas. April 13-14, 1999.

Public Dataset Developed

Mark Jenner and Robert Williams, “California Bioenergy Project Database,” December 2011.

Pre-Publication Technical Reviews

Review of 2013, EPA Greenhouse Gas Inventory Report, Agricultural emission, January 2013.

Evaluation of draft USDA-NRCS, Comprehensive Nutrient Management Plan (CNMP) livestock feed planning element. August 2006.

Review of ‘*Manure Nutrients Relative to the Capacity of Cropland and Pastureland to Assimilate Nutrients*,’ by Robert Kellogg, Charles Lander, David Moffitt of NRCS and Noel Gollehon of ERS, December 2000.

Bioenergy and Value-added Agricultural Columns

2012 *BioCycle* Magazine - Biomass Energy Outlook Column, Volume 53

“*The Quest For Advanced Biofuels*,” November 2012

“*Rethinking Biomass Supply Economics*,” October 2012

“*Energy Consumption Reality Check*,” September 2012

“*Understanding Concentrated Manure*,” July 2012

“*Renewable Energy Consumption Grows*,” May 2012

“*When Carbon-Based Policies Collide*,” April 2012

“*Waste By Any Other Name May Still Be Waste*,” February 2012

“*Good News For Nutrient Producers*,” January 2012

2011 *BioCycle* Magazine - Biomass Energy Outlook Column, Volume 52

“*Biomass, Carbon with a Purpose*,” October 2011

“*Biomass Sequestered Locally, Emitted Globally*,” September 2011

“*Mapping Biomass Responsibly*,” August 2011

“*Unpaved Way To Biomass Utilization*,” July 2011

“*Less Conspicuous Consumption*,” June 2011

“*Relatively Local Self-Reliance*,” May 2011

“*Riding A Bioeconomic Cycle*,” April 2011

“*Farming Fuel — Or Not*,” March 2011

“*Emission Impossible? Maybe Not*,” February 2011

“*Five Steps To A U.S. Bioeconomy*,” January 2011

2010 *BioCycle* Magazine - Biomass Energy Outlook Column, Volume 51

“*When Well-Intentioned Policies Collide*,” December 2010

“*The US CO2 Smackdown Is On*,” October 2010

“*Cutting Back On The Oil Addiction*,” September 2010

“*Making The Most of Too Much Carbon*,” August 2010

“*CO2 Emissions Down Remarkably in 2009*,” June 2010

“*The Business End Of Farm Manure Digesters*,” May 2010

“*Oil Consumption and the Green Economy*,” March 2010

“*Green Growth and Biomass Energy Export*,” February 2010

“*Cost Of Purpose-Grown Energy Crops*,” January 2010

2009 *BioCycle* Magazine – Biomass Energy Outlook Column:

“*USDA Biopreferred — A “Good” Carbon Regulation*,” November 2009

“*Why Modular Units Balance Local Carbon*,” October 2009

“*Legal Limits on Math*,” September 2009

“*Renewable Energy Grew in 2008*,” August 2009

- “Recycling Carbon Emissions into the Economy,” July 2009
 “Renewable Fuel Standard, Take 2,” June 2009
 “The Time-Value of **BioCycle**,” April 2009
 “The Time-Value of Infrastructure,” March 2009
 “Fueling Growth In A Shrinking Economy,” February 2009
 “Taking Stock Of 2008,” January 2009
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