

## Maryfrances Miller, Ph.D.

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*(575) 636-9305*

### EDUCATION

- Ph.D. 2015 Public Policy and Political Economy, University of Texas at Dallas
- 2006 Additional course work in Economics with Natural Resource emphasis from University of New Mexico, prior to moving to Texas in 2006
- M.S. 2001 Agricultural Economics, New Mexico State University
- B.S. 1997 Animal Science, New Mexico State University

### PUBLICATIONS

**Miller, M.** Liu, L. Shwiff, S. and Shwiff, S. (2018). Macroeconomic impact of Foot and Mouth Disease vaccination strategies for an outbreak in the Midwestern United States: A computable general equilibrium. *Transboundary and Emerging Diseases*.

**Miller, M.** (2017). Economics Project Ideas: Charter Cities. *Teaching Business and Economics*. 21. 21-23.

**Miller, M.** (2017). Measuring the variations in regional milk supply and the lack of response to the national income over feed cost margins specified by 2014 Farm Bill. *Journal of Agricultural Economics and Rural Development*. 3. 105-111.

Dissertation:

**Miller, M.** (2015). Milk production response to Income Over Feed Cost margins by region.

**Miller, M.** (2015). Regional distribution of potential indemnity benefits under 2014 Farm Bill.

**Miller, M.** (2015). Regional Elasticity of Milk Supply.

Skaggs, R. **Decker, M** (2002). The Clean Water Act and Total Maximum Daily Loads in New Mexico, Frequently Asked Questions. *Agricultural Experiment Station Technical Bulletin #39*, New Mexico State Cooperative Extension Service, New Mexico State University

Skaggs, R., **Decker, M.**, and VanLeeuwen, D. (2000). A survey of southern New Mexico chile producers: Production practices and problems. *Agricultural Experiment Station Technical Bulletin #782*. January 2000

### **Working Papers**

**Miller, M.** Lirong, L., Shwiff, S., Shwiff, S. (2018). Evaluating the export impacts of vaccination protocols for a Foot and Mouth Disease outbreak using a computable general equilibrium model. *Accepted for presentation at Southern Agricultural Economics Association – February 2019*

**Miller, M.**, Brown, V., Liu, L., Shwiff, S. and Shwiff, S. (2018) Evaluation of the economic impacts of high priority livestock diseases transmitted by feral swine. *Preparing for Transboundary and Emerging Diseases*

**Miller, M.**, Peterson, E., Liu, L., Shwiff, S. Estimating potential spread and subsequent economic impact of FMD outbreak involving Texas livestock auction as a disease vector. *Preparing for Applied Economic Perspective and Policy*

### **GRANTS**

- Faculty Director – USDA Rural Business Enterprise Grant – 2018-2019
- Quality Enhancement Plan – Grant to host China Seminar Series as a university-wide complement to the COB 497 course – Spring 2018
- Quality Enhancement Plan – Grant for Global Course Development for COB 497/597 – Fall 2017
- Faculty Research Enhancement Program – with Lirong Liu and Steven Shwiff. Economic Impacts of Cattle Trade Flows and Disease Spread. Fall 2016

### **SERVICE (2015 – 2018)**

- Committee for MBA Degree Innovation
- Faculty sponsor of First Annual Homecoming Alumni 5k
- Chair for Alumni Engagement Committee – Fall 2017/2018
- Advisor for two Leo Intern Student workers
- Annual Research Symposium Committee 2018
- Student Retention Committee 2018
- Learning Management System Selection Committee – 2016 - 2018
- College of Business Newsletter – Spring 2016
- Advisor and Co-advisor for Economics and Finance Society 2015 - 2016
- Advisor and Co-founder TAMUC GIS Club 2016-2017
- Served as Honors Thesis Advisor (4 Students completed; 1 ongoing)
- External committee member for two Masters of Agribusiness students
- Coordinator for Economic Principles Courses
- Committee for Core Curriculum Revision
- University Studies Committee
- Student and Alumni Committee
- Small Business and Entrepreneurship Conference Committee and speaker

## PRESENTATIONS

- November 2018 *Using REMI PI+ to model the impact of an FMD spread*  
REMI webinar
- November 2018 *Advocating for Agriculture with a Hispanic Accent*  
Latinos in Agricultural Leadership Conference, Dallas, TX
- February 2018 *Macroeconomic Impact of Foot and Mouth Disease Vaccination Strategies for an Outbreak in the Midwestern United States*  
Southern Agricultural Economics Association, Jacksonville, FL
- July 2017 *Incorporating GIS into a university curriculum – without adding classes*  
ESRI Education Conference, San Diego, CA
- February 2016 *Regional Variation in Margin Response, Participation and Potential Federal Expenditures under Dairy Margin Protection Program*  
Southern Agricultural Economics Association, San Antonio, Texas
- March 2004 *New Mexico's Non-Native Phreatophyte Management Program*  
National Conference on Coordinated Tamarisk Management, Albuquerque, New Mexico
- February 2002 *Developing Invasive Species Management Programs*  
National Association of Soil and Water Conservation Districts, Reno, Nevada
- June 2001 *Funding and Using Invasive Species Inventories*  
Executive Weed Symposium – sponsored by Western Governors' Association, Albuquerque, New Mexico

## SKILLS

Eviews/R statistical software  
LaTeX software  
Microsoft Office  
Quickbooks software  
ArcView and QGIS geographic software  
Conversational Spanish  
IMPLAN Economic Modeling Software  
REMI Economic Modeling Software

## ADDITIONAL TRAINING

DairyMax Media spokesperson training  
Facilitation and Dispute Resolution Training  
TAMUC Advancement – fundraising training  
Quality Matters – Improving Online Courses  
TAMUC training for Faculty Advisors

## AWARDS AND RECOGNITION

2017 – Faculty Star recognition – College of Business  
2017 – Distinguished Global Fellow  
2017 – Outstanding 4H Volunteer – Hopkins County  
2016-2017 – Faculty Fellow – Lions Network Learning – GIS and Data Visualization  
May 2016 – Excellence in Teaching Award – National Society of Leadership and Success

## PROFESSIONAL EXPERIENCE

- 2019-  
Present Assistant Professor of Economics, College of ACES, Department of Agricultural Economics and Agricultural Business, New Mexico State University, Las Cruces, NM  
Courses Taught: Ag E 260 - Introduction to Food and Agricultural Accounting and Ag E 305 – Marketing Agricultural Products
- 2015-2019  
2007 - 2015 Assistant Professor of Economics, College of Business, Department of Economics and Finance, Texas A&M University - Commerce  
(Employed as an instructor since 2007)  
Courses Taught: International Business 497/597 in China; Managerial Economics (graduate-online); Economics for Decision Makers (graduate-online); Principles of Macro and Microeconomics (undergraduate-online and classroom); Financial Markets and Institutions (undergraduate-online and classroom); Freshman Success Seminar (undergraduate-classroom); Agricultural Law (undergraduate/graduate-classroom)
- 2010- 2016 Owner/Operator, Esperanza Jersey Farm, Sulphur Springs, Texas  
Responsible for strategic decision making; environmental compliance, grazing management, employee management, procurement of supplies, financial records, risk management decisions. Involved with dairy organizations, including DFA YC chair-couple, NMPF lobbying activities, 2014 Dairy Max Media Training, Hopkins County Dairy Festival
- 2005-2006 Graduate Assistant, University of New Mexico, Albuquerque, New Mexico  
Worked with J. Chermak, K. Krause and J. Thacher to write New Mexico rancher choice experiment on willingness of ranchers to conduct noxious weed management  
  
Worked with D. Brookshire to administer and analyze computer simulation model on water leasing for environmental uses in the Middle Rio Grande
- 1999-2005 Noxious Weed Coordinator, New Mexico Department of Agriculture, Las Cruces, New Mexico  
Guided development of collaborative, inter-agency and private landowner weed management programs – including development of inventory programs, budgets, awareness, and pesticide application programs  
  
Drafted language for legislation, and gubernatorial executive order, provided testimony to legislature and prepared bill analysis. During my tenure, saltcedar management program was created and received \$6.25 million from legislature  
  
Represented Secretary of Agriculture on Senator Domenici’s Endangered Species Workgroup, Western Governors’ Executive Symposium on Noxious Weeds and Southwest Strategy Executive Committee