

## Octavio A. Ramírez, Ph.D.

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### Education

- 1988-1990: **Doctor of Philosophy** in Food and Resource Economics, University of Florida, Gainesville, Florida. Dissertation title: A Stochastic Optimal Control Formulation of the Risk Balancing Debt Choice Model: A Basis for Generalized Method of Moment Estimation of Risk Aversion Coefficients. Dissertation advisors: J.S. Shonkwiler, G.S. Maddala, C.B. Moss, R.D. Emerson, and T.G. Taylor. Major Field: Econometrics and Quantitative Methods. Minor Field: Agricultural Finance.
- 1986-1987: **Master of Science** in Food and Resource Economics, University of Florida, Gainesville, Florida.
- 1985-1986: **Bachelor of Science in Agriculture**, University of Florida, Gainesville, Florida. Major: Food and Resource Economics.
- 1982-1984: **Agronomist**, Panamerican Agricultural School, El Zamorano, Honduras, Central América.

### Professional Experience

**May 2005 to Present:** *Professor and Head*, Department of Agricultural and Applied Economics, University of Georgia, Athens, GA.

**June 2003 to May 2005:** *Professor and Head*, Department of Agricultural Economics and Agricultural Business, New Mexico State University, Las Cruces, NM.

**September 1998 to May 2003:** *Associate Professor*, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, TX. Appointment: 50% research, 50% teaching.

**June 1995 to August 1998:** *Head*, Environmental Economics and Sociology Area, Tropical Agricultural Research and Education Center (CATIE), Costa Rica. Appointment: 50% administration, 20% teaching, 15% research, 15% outreach.

**January 1993 to May 1995:** *Team Leader - Coordinator* of the Integrated Pest Management project, Tropical Agricultural Research and Education Center (CATIE), Costa Rica. Appointment: 40% administration, 20% teaching, 20% research, 20% outreach.

**August 1990 to December 1992:** *Agricultural Economist* of the Integrated Pest Management project at the Tropical Agricultural Research and Education Center (CATIE), Costa Rica. Appointment: 50% extension, 30% research, 20% teaching.

**June 1986 to July 1990:** *Research Assistant*, Food and Resource Economics Department, University of Florida, Gainesville, Florida.

**January 1985 to December 1985:** *Instructor*, Entomology, Plant Pathology, Weed Science and Integrated Pest Management. Panamerican Agricultural School, El Zamorano, Honduras.

## **Research**

### ***Refereed Journal Articles (1997-2009):***

Torell, L. A., S. Murugan and O.A. Ramirez. "Economics of flexible versus conservative stocking strategies to manage climate variability risk." *Rangeland Ecology and Management* (in review).

Ramirez, O.A., T.U. McDonald and C.A. Carpio. "A flexible parametric family for the modeling and simulation of yield distributions." *Journal of Agricultural and Applied Economics* (forthcoming).

Ramirez, O.A., F. Ward and R. Phillips. "Efficient water conservation in agriculture for growing urban water demands in Jordan." *Water Policy* (forthcoming).

Ramirez, O.A. The asymmetric cycling of U.S. soybeans and Brazilian coffee prices: An opportunity for improved forecasting and understanding of price behavior. *Journal of Agricultural and Applied Economics* 41(1) (April 2009): 253-270.

Lu, Y., O.A. Ramirez, R.M. Rejesus, T.O. Knight, and B.J. Sherrick. Empirically evaluating the flexibility of the Johnson family of distributions: a crop insurance application." *Agricultural and Resource Economics Review*. 37(1) (April 2008): 79-91.

Ramirez, O.A. and T. McDonald. Ranking crop yield models: a comment. *American Journal of Agricultural Economics* 88(4) (November 2006): 1105-1110.

Torell, L.A., N.R. Rimbey, O.A. Ramirez and D.W. McCollum. Income earning potential versus consumptive amenities in determining ranchland values. *Journal of Agricultural and Resource Economics* 30(3)(December 2005):537-560.

Fadiga M.L., S.K. Misra, and O.A. Ramirez. U.S. consumer purchasing decisions and demand for apparel. *Journal of Fashion Marketing and Management* Vol. 9 No. 4 (2005):367-379.

Ramirez, O.A., S. Mohanty, C.E. Carpio, and M. Denning. Issues and strategies for aggregate supply response estimation for policy analyses. *Journal of Agricultural and Applied Economics* 36(2)(August 2004):351-367.

Ramirez, O.A., S.K. Misra, and J. Nelson (2003). Efficient estimation of agricultural time series models with non-normal dependent variables. *American Journal of Agricultural Economics* 85(4) (November 2003): 1029-1040.

Ramirez, O.A. and M. Fadiga (2003). Forecasting U.S. agricultural commodity prices with asymmetric-error GARCH models. *Journal of Agricultural and Resource Economics* 28(1)(April 2003):71-85.

Field, J.E., S.K. Misra, and O.A. Ramirez (2003). Evaluating crop and revenue insurance product as risk management tools for Texas cotton producers. *Journal of Agricultural and Applied Economics* 35(1)(April 2003): 39-52.

Willis, D.B., M.D. Britt, and O.A. Ramirez (2003). Electricity rates, input use and irrigated cotton profitability: A hedonic versus a traditional profit maximization approach. *Texas Journal of Agriculture and Natural Resources* 16(2003):64-74.

Ramirez, O.A., S.K. Misra, and J.E. Field (2002). Crop yield distributions revisited. *American Journal of Agricultural Economics* 85(1)(February 2003):108-120.

Britt, M.L., O.A. Ramirez, and C.A. Carpio (2002). Effects of quality considerations and climate information on the management and profitability of cotton production in the Texas High Plains. *Journal of Agricultural and Applied Economics* 34(3)(December 2002): 561-584.

Ramirez, O.A., C.E. Carpio, R. Ortiz and B. Finegan (2002). Economic value of the carbon sink services from Costa Rican secondary forests. *Environmental & Resource Economics* 21(1)(January 2002): 23-46.

Carpio C.A. and O.A. Ramirez (2001). Estudios económicos sobre la mitigación del dióxido de carbono atmosférico en Latinoamérica. *Revista Asturiana de Economía (The Asturian Journal of Economics)* 21(September 2001): 73:100.

Ramírez, O.A. and E. Somariba (2001). *Theobroma cacao L – Cordia alliodora (R&P) Oken – Musa ABB* agroforestry systems: financial returns, stability and risk. *Agroforestry Systems* 51(2)(January 2001): 141-154.

Ramirez, O.A., S. Shultz, R.R. Hearne and M. Gomez (2000). Una revisión de modelos econométricos para explicar la adopción de diferentes tecnologías de manejo agrícola y de los recursos naturales por productores pequeños en Centroamérica. *Revista Forestal Centroamericana (The Central American Forestry Journal)* 32(4)(December 2000): 21-26.

Ramirez, O.A. and E. Somarriba (2000). Risk and returns of diversified cropping systems under non-normal, cross and autocorrelated commodity price structures. *Journal of Agricultural and Resource Economics* 25(2, December 2000): 653-668.

Ramirez, O.A. (2000). Parametric modeling and simulation of joint price-production distributions under non-normality, autocorrelation and heteroskedasticity: a tool for assessing risk in agriculture. *Journal of Agricultural and Applied Economics* 32(2)(August of 2000): 283-297.

Ramírez, O.A. and R. Sosa (2000). Assessing the financial risks of diversified coffee production systems: an alternative non-normal CDF estimation approach. *Journal of Agricultural and Resource Economics* 25(1)(July 2000): 267-285.

Ramírez, O.A. and S. Shultz (2000). Poisson count models to explain the adoption of agricultural and natural resource management technologies by small farmers in Central America. *Journal of Agricultural and Applied Economics* 32(1)(April 2000): 21-33.

Ramírez, O.A., L. Rodriguez, B. Finegan, and M. Gómez (1999). Implicaciones económicas del almacenamiento del CO<sub>2</sub> en bosques naturales. *Revista Forestal Centroamericana (The Central American Forestry Journal)* 27(September 1999): 10-16.

López, D.M., E. Somarriba and O.A. Ramírez (1999). Turnos óptimos de renovación de cafetales con sombra de poró (*Erythrina poeppigiana*) y pleno sol. *Agroforestería en las Américas (Agroforestry in the Americas)* 23(July 1999): 30-34.

Ramírez, O.A. and M. Gómez (1999). Estimación y valoración económica del almacenamiento de carbono. *Revista Forestal Centroamericana (The Central American Forestry Journal)* 27(July 1999): 17-23.

Ramírez, O.A. and J.L. Saunders (1999). Estimating economic thresholds for pest control: an alternative methodology. *Journal of Economic Entomology* 92(April 1999): 391-401.

Ramirez, O.A. and M. Gómez (1998). Economic value of the carbon sink services of Costa Rica's forestry plantations. *Environmental Forest Science* 54(December 1998): 129-138.

Ramirez, O.A. and J.L. Saunders (1998). Una metodología para determinar criterios económicos de decisión en el control de plagas. *Manejo Integrado de Plagas (Integrated Pest Management)* 50(December 1998): 1-18.

Ramírez, O.A., C. Moss and W. Boggess (1997). A stochastic optimal control formulation of the consumption/debt decision. *Agricultural Finance Review* 57(1997): 29-38.

Ramírez, O.A. (1997) Estimation and use of a multivariate parametric model for simulating heteroscedastic, correlated, non-normal random variables: The case of corn-belt corn,

soybeans and wheat yields. *American Journal of Agricultural Economics* 79(February 1997): 191-205.

Pérez, O., O.A. Ramírez, L. Hilje and J. Karremans (1997). Potencial de adopción de dos opciones tecnológicas de manejo integrado de plagas (MIP), aplicando tres técnicas de extensión con productores de tomate en el valle central occidental, Costa Rica. *Manejo Integrado de Plagas (Integrated Pest Management)* 43(March 1997): 19-30.

Gómez, M., S. Shultz and O.A. Ramírez (1997). Contribución de las plantaciones forestales a las cuentas nacionales de Costa Rica. *Revista Forestal Centroamericana (The Central American Forestry Journal)* 18(January 1997): 38-44.

**Grants Funded (2000-2009; contracts over \$50,000 only):**

Afghanistan Water and Agricultural Technology Transfer (AWATT) Project. Funding level: \$20 million (FY08-10). Role: Member of the team that developed and initiated the project while at New Mexico State University (NMSU), implementation team member after departing NMSU.

Cochran Fellowship Training Program. Funding source: USDA/FAS. Funding level: \$127,314 (FY07-08). Role: Program Director.

Iraq Agricultural Extension Revitalization Project – NMSU Component. Funding source: State Department through USDA/FAS. Funding level: \$822,000 (FY06-08). Role: Co-Principal Investigator and NMSU Component Coordinator.

IALC Sustainable Development of Drylands in Asia and the Middle East Project, Jordan Component: Business and Socioeconomic Assessment of Water and Products for Community-Based Projects. Funding source: United States Agency for International Development. Funding level: \$800,000 (FY06-08). Role: Project Director.

Probability Distribution Function Models for Risk Analysis and their Application to Crop Insurance Premium Rate Setting. Funding source: USDA/NRI Competitive Grants Program. Funding level: \$185,000 (FY04-07). Role: Principal Investigator.

Center for North American Studies – New Mexico Component: Improving the National and Global Economic Competitiveness of New Mexico's Agriculture. Funding source: USDA/CSREES. Funding level: \$318,000 (FY04-06). Role: Project Director.

IALC Sustainable Development of Drylands in Asia and the Middle East Project, Yemen Component: Human Resource Development. Funding source: U.S. Agency for International Development. Funding level: \$442,000 (FY03-05). Role: Project Director.

Structural Models for Policy Analysis of the U.S. and World Natural Fiber Markets. Funding source: USDA/CSREES. Funding level: \$375,650 (FY01-03). Role: Co-Principal Investigator.

Demand for U.S.-Made Cotton Apparel and its Implications for the Cotton Industry. Funding source: USDA/CSREES through the International Cotton Research Center (ICRC). Funding level: \$86,000 (FY01-02). Role: Co-Principal Investigator.

Management Strategies for Optimum Input Use, Yields and Quality of Cotton in the Texas High Plains. Funding source: USDA/CSREES - International Cotton Research Center (ICRC). Funding level: \$50,000 (FY99-00). Role: Co-Principal Investigator.

Risk and Returns in Cotton and Competing Crops in Texas: Implications for Industry and Policy Makers. Funding source: Texas State Legislature - Cotton Economics Research Line Item. Funding level: \$72,000 (FY99-03). Role: Principal Investigator.

***Book Chapters (2000-2009 only):***

Ramirez, O.A. (2000). The carbon cycle and the value of forests as a carbon sink: a tropical case study. Chapter 5 in *Sustainable Forest Management: Human Dimensions and Global Climate Change*. M.H. Dore and R. Guevara (eds.). Edward Elgar, United Kingdom, ISBN 1 84064 161 4, pp. 107-147.

Ramírez, O.A., B. Finegan, L. Rodriguez and R. Ortíz (2000). Evaluación económica del servicio ambiental de almacenamiento de carbono: El caso de un bosque tropical húmedo bajo diferentes estrategias de manejo sostenible. In *Análisis Económico de Impacto Ambiental (Economic Analysis of Environmental Impacts)* (J.A. Dixon, L.F. Scura, R.A. Carpenter and P.B. Sherman eds.; Latin American Edition, 1999, ISBN 9977-57-328-X) pp. 212-224.

***Selected or Invited Presentations at Professional Conferences (2000-2009 only):***

Ramirez, O.A. “*Measures of Departmental and Faculty Research Productivity, Performance Evaluation and Salary Raise Distribution Strategies.*” Invited presentation at the biennial meeting of the National Association of Agricultural Economics Administrators (NAAEA), Washington DC, September 23-25 2009.

Ramirez, O.A. “El Funcionamiento del Programa de Seguros Agrarios en los Estados Unidos (The Performance of the U.S. Crop Insurance Program)” Invited presentation to the Department of Agribusiness, Panamerican Agricultural School, El Zamorano, Honduras, September 18 2009.

Ramirez, O.A. “Expanding Partnerships with CSREES.” Invited presentation at the Organized Symposium on *Serving the Needs of the Next Generation of Resource Economics Leaders*, annual meeting of the Agricultural and Applied Economics Association, Milwaukee, Wisconsin, July 26-38 2009.

Ramirez, O.A., C.A. Carpio and R. Rejesus. “Can Crop Insurance Premiums be Reliably Estimated.” Selected paper presented at the annual meeting of the Agricultural and

Applied Economics Association, Milwaukee, Wisconsin, July 26-30 2009. Paper posted in AgEcon Search (<http://agecon.lib.umn.edu/>).

Ramirez, O.A. "The Future Global Environment for the U.S. Agricultural Industry." Invited presentation at the Georgia Agricultural Forecast Meetings. January 26-31 2009.

Ramirez, O.A. "Getting Involved: Steps to Becoming an Irresistible Applicant." Invited presentation at the GSS Track Session, 2008 meeting of the American Agricultural Economics Association, Orlando, Florida, July 27-30 2008.

Lu, Y., O.A. Ramirez, R.M. Rejesus and T.O. Knight. "Empirically Evaluating the Flexibility of the Johnson Family of Distributions: A Crop Insurance Application." Paper presented at the 2007 *National Agricultural and Resource Economics Association* post-conference workshop on crop insurance.

Ramirez, O.A. and T. McDonald. "An Empirically-Grounded Comparison of the Johnson System versus the Beta as Crop Yield Distribution Models." Selected poster presented at the annual meeting of the American Agricultural Economics Association, Portland, Oregon, July 29-31 2007. Paper posted in AgEcon Search (<http://agecon.lib.umn.edu/>).

Ramirez, O.A. and H. Zapata. "Use of Asymmetric-Cycle Autoregressive Models to Improve Forecasting of Agricultural Time Series Variables." Paper presented at the 2006 meeting of the American Agricultural Economics Association, Long Beach, California, July 23-26 2006 and posted in AgEcon Search (<http://agecon.lib.umn.edu/>).

Ramirez, O.A. and T. McDonald. "The Expanded and Re-parameterized Johnson System: A Most Flexible Crop-Yield Distribution Model." Paper presented at the annual meeting of the American Agricultural Economics Association, Long Beach, California, July 23-26 2006 and posted in AgEcon Search (<http://agecon.lib.umn.edu/>).

Ramirez, O.A., S.K. Misra, and J. Nelson (2002). Estimation of efficient regression models for applied agricultural economics research. Paper presented at the annual meeting of the *American Agricultural Economics Association*, Long Beach, California, July 29-31 2002. Abstract published in the *American Journal of Agricultural Economics*. Full paper posted in *AgEcon Search*.

Britt, M.L. and O.A. Ramirez (2002). Probability distribution function models of regional cotton supply response in the U.S. Paper presented at the annual meeting of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2-6, 2002. Abstract published in the *Journal of Agricultural and Applied Economics*.

Nelson, J., S.K. Misra, and O.A. Ramirez (2002). An empirical investigation of the West Texas cotton basis. Paper presented at the annual meeting of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2-6, 2002. Abstract published in the *Journal of Agricultural and Applied Economics*.

Carpio, C.A. and O.A. Ramirez (2002). Supply response of cotton in India, Pakistan and Australia. Paper presented at the annual meeting of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2-6, 2002. Abstract published in the *Journal of Agricultural and Applied Economics*.

Willis, D.B., M.L. Britt, and O.A. Ramirez (2002). Evaluating the impact of electric utility deregulation on irrigated cotton production in the Texas High Plains. Paper presented at the annual meeting of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2-6, 2002. Abstract published in the *Journal of Agricultural and Applied Economics*.

Carpio, C.A. and O.A. Ramirez (2002). Forecasting foreign cotton production: The case of India, Pakistan and Australia. Paper presented and published in the proceedings of the 2002 *Beltwide Cotton Conferences*, Atlanta, Georgia, January 8-12, 2002.

Willis, D.B., M.L. Britt, and O.A. Ramirez. Comparison of cotton management practices under higher electricity prices. Paper presented and published in the proceedings of the 2002 *Beltwide Cotton Conferences*, Atlanta, Georgia, January 8-12, 2002.

Ramirez, O.A. Autoregressive conditional heteroskedasticity under error term non-normality. Paper presented at the 2001 meeting of the *American Agricultural Economics Association*, Chicago, Illinois, August 5-8 2001. Abstract published in the *American Journal of Agricultural Economics*. Full paper posted in *AgEcon Search*.

Field, J.E., O.A. Ramirez and S.K. Misra. Are crop yields normally distributed? Paper presented at the 2001 meeting of the *American Agricultural Economics Association*, Chicago, Illinois, August 5-8 2001. Abstract published in the *American Journal of Agricultural Economics*. Full paper posted in *AgEcon Search*.

Denning, M.L, O.A. Ramirez, and C.A. Carpio. Producing cotton for quality: the case of the Texas High Plains. Paper presented at the *2<sup>nd</sup> Annual Research-Extension Symposium*. Texas Tech University, Lubbock, Texas, April 4 2001.

Denning, M.L, O.A. Ramirez, C.A. Carpio and D. Ethridge. Hedonic profit maximization of irrigated cotton production systems in the Texas High Plains. Paper presented at the annual meetings of the *Southern Agricultural Economics Association*, Fort Worth, Texas, January 27-31, 2001. Abstract published in the *Journal of Agricultural and Applied Economics*.

Carpio, C.A., O.A. Ramirez and S. Armstrong. Profit maximizing economic thresholds for the cotton boll weevil in the Texas High Plains. Paper presented at the annual meetings of the *Southern Agricultural Economics Association*, Fort Worth, Texas, January 27-31, 2001. Abstract published in the *Journal of Agricultural and Applied Economics*.

Field, J.E., S.K. Misra and O.A. Ramirez. Evaluating crop and revenue insurance products for Texas cotton producers. Paper presented at the annual meetings of the *Southern Agricultural Economics Association*, Fort Worth, Texas, January 27-31, 2001. Abstract published in the *Journal of Agricultural and Applied Economics*.

Field, J.E., S.K. Misra and O.A. Ramirez. Are current crop and revenue insurance products meeting the needs of cotton producers? Paper presented at and published in the proceedings of the *Beltwide Cotton Conferences*, Anaheim, California, January 9-13, 2001.

Denning, M.L, O.A. Ramirez, C.A. Carpio and D. Ethridge. Hedonic profit maximization of irrigated cotton production systems in the Texas High Plains. Paper presented at and published in the proceedings of the *Beltwide Cotton Conferences*, Anaheim, California, January 9-13, 2001.

Carpio, C.A., O.A. Ramirez and S. Armstrong. Profit maximizing economic thresholds for the cotton boll weevil in the Texas High Plains. Paper presented at and published in the proceedings of the *Beltwide Cotton Conferences*, Anaheim, California, January 9-13, 2001.

Ramirez, O.A. and R. Sosa. Risk analysis under correlated non-normal price and yield probability distributions. Presented at the annual meetings of the *American Agricultural Economics Association*, Tampa, Florida, July 30 – August 2, 2000. Abstract published in the *American Journal of Agricultural Economics*. Full paper posted in *AgEcon Search*.

Ramirez, O.A., C.E. Carpio, R. Ortiz and B. Finegan. Economic value of the carbon sink services of Tropical Secondary Forests. Presented at the annual meetings of the *American Agricultural Economics Association*, Tampa, Florida, July 30 – August 2, 2000. Abstract published in the *American Journal of Agricultural Economics*. Full paper posted in *AgEcon Search*.

Ramirez, O.A. Parametric modeling and simulation of joint price-production distributions under non-normality, autocorrelation and heteroskedasticity: a tool for assessing risk in agriculture. Invited paper presented at the annual meetings of the *Southern Agricultural Economics Association*, Lexington, Kentucky, January 29 – February 2, 2000.

Ramirez, O.A., M. Denning, D. Krieg, P. Johnson, Dean Ethridge and Don Ethridge. Input use, yields and quality of cotton in the Texas High Plains. Paper presented at and published in the proceedings of the *Beltwide Cotton Conferences*, San Antonio, Texas, January 4-8, 2000, pp. 355-360.

Willis, D.B. and O.A. Ramirez. Trends in cotton yields and yield variability in the Texas High Plains: An irrigated vs. dryland comparison. Paper presented and published in the proceedings of the *Beltwide Cotton Conferences*, San Antonio, Texas, January 4-8, 2000, pp. 364-369.

## **Teaching**

### ***Formal Courses Taught (2000-2009 only):***

*Quantitative Techniques in Agricultural Economics* (AAEC 6610): a 3-credit-hour graduate-level course required for the M.S. degrees in Agricultural Economics, Environmental Economics and the Master of Agribusiness degree at The University of Georgia. It focuses on basic econometric techniques, including topics such as model specification and diagnostics, multicollinearity, heteroskedasticity, autocorrelation, qualitative choice models and simultaneity. Taught fall 2009.

*Econometrics I* (AEEC 540): a 3-credit-hour graduate-level course required for the M.S. degree in Agricultural Economics and the M.A. degree in Economics at New Mexico State University. It focuses on basic econometric techniques (multiple regression), including topics such as model specification/diagnostics, multicollinearity, heteroskedasticity, autocorrelation. Taught spring 2004, 2005, 2006, 2007 and 2008.

*Applied Econometrics II* (AAEC 6311, previously AAEC 5311): a 3-credit-hour graduate-level course required for the Ph.D. degree in Agricultural and Applied Economics at Texas Tech University. It focuses on advanced econometric techniques, including maximum likelihood estimation of specialized economic models, simultaneous equation systems, and time series analysis. Taught summer 1999 and spring 2000, 2001 and 2002.

*Applied Econometrics I* (AAEC 5307): a 3-credit-hour graduate-level course required for the M.S. and Ph.D. degrees in Agricultural and Applied Economics at Texas Tech University. It focuses on basic econometric techniques, including topics such as model specification/diagnostics, multicollinearity, heteroskedasticity, autocorrelation, causality, as well as qualitative choice models. Taught fall 1998, 1999, 2000, and 2001.

*Mathematical Economics* (AAEC 4212): a 3-credit-hour undergraduate (senior-level) course required for the B.S. degree in Agricultural and Applied Economics at Texas Tech University. It focuses on quantitative (mathematical) procedures applied to basic economic analyses. Taught fall 1998, 1999, 2000, and 2001, and summer 2000.

*Advanced Statistical Methods in Agricultural Research* (AAEC 4302): a 3-credit-hour undergraduate (senior-level) course required for the B.S. degrees in Agricultural and Applied Economics and Range and Wildlife Management at Texas Tech University. It focuses on the foundations and applications of multiple regression to the analysis of biological, agricultural and economic problems. Taught spring and summer of 1999, 2000 and 2001, and spring 2002.

### ***Graduate Student Advisement:***

Served as major professor and Master's Thesis/PhD Dissertation director of 15 Master and PhD students and in over 30 Thesis/Dissertation Committees.

**Select Professional Service (2000-2009 only)**

*Chairman of the National Association of Agricultural Economics Administrators (NAAEA)* August 2008-August 2009 term.

Representative of the *National Association of Agricultural Economics Administrators (NAAEA)* in the *American Agricultural Economics Association Board Nominating Committee* (2007).

Member, CSREES Team Reviewing the Department of Agricultural Economics of Purdue University, November 2005.

Reviewer of the USDA/CSREES National Needs Fellowship Proposals for FY02-03 funding period.

Editorial Council, *Journal of Agricultural and Applied Economics*. July 1999 to 2001.

Reviewer of the Selected Paper Proposals for the International Economics Development Session of the 2007 Meetings of the American Agricultural Economics Association.

Reviewer of the Selected Paper Proposals for the Research Methods/Econometrics/Statistics Session of the 2002 and 2005 Meetings of the American Agricultural Economics Association.

Reviewer of the Selected Paper Proposals for the Quantitative/Econometrics Session of the 2001, 2004 and 2006 Meetings of the Southern Agricultural Economics Association.

Reviewer: *American Journal of Agricultural Economics* (nine articles), *Journal of Agricultural and Applied Economics* (six articles), *Journal of Agricultural and Resource Economics* (four articles), *Review of Agricultural Economics* (1 article), *Agricultural and Resource Economics Review* (one article), *Canadian Journal of Agricultural Economics* (one article), *Environmental Monitoring and Assessment* (one article).

Member of the International Committee of the American Agricultural Economics Association, December 2001 to December 2002.

Member of the Awards Committee of the Southern Agricultural Economics Association, September 2001 to September 2002.

Organizer of Invited Paper Session "Modeling and Simulation of Price, Yield and Production Distributions for Risk Analysis in Agriculture". Southern Agricultural Economics Association, Lexington, Kentucky, January 29 to February 2, 2000.

Member of the Distance Education Task Force of the American Agricultural Economics Association. January 2000 to January 2001.

Academic Advisor of the Quiz Bowl Competition. Southern Agricultural Economics Association. February 1999 to February 2000.