

## Satheesh V Aradhyula

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### EDUCATION

Ph.D. Agricultural Economics, Iowa State University, Ames, Iowa, USA, 1989

M.Sc. Agricultural Economics, Indian Agricultural Res. Institute, New Delhi, 1982

B.Sc. Agriculture, Andhra Pradesh Agri. University, Bapatla, India, 1980

### EMPLOYMENT

Associate Professor, Department of Agricultural and Resource Economics, University of Arizona, Tucson. 1997 - Present

Assistant Professor, Department of Agricultural and Resource Economics, University of Arizona, Tucson. 1991- 97

Post-doctoral Research Associate, Center for Agricultural and Rural Development, Department of Economics, Iowa State University. 1989-91

Pre-doctoral Research Associate, Center for Agricultural and Rural Development, Department of Economics, Iowa State University. 1984-89

### MAJOR FIELDS

Quantitative Policy Analysis  
Marketing and Price Analysis  
Environmental Economics & Development

Econometrics and Data Analytics  
Production Economics  
Risk and Uncertainty

### TEACHING

#### Undergraduate Courses Taught

Introduction to Econometrics  
Economic Statistics  
Introduction to Statistics & Data Analysis  
Marketing and Price Analysis  
Agricultural Policy Analysis  
Agricultural Business Management  
Principles of Microeconomics  
Production Economics  
Understanding the World of Commerce

#### Graduate Courses Taught

Applied Econometric Analysis  
Statistical Methods for Economists  
Advanced Time Series Analysis  
Theory of Quantitative Methods in Economics  
Mathematics for Economists  
Production Economics  
Consumption Economics

## HONORS AND AWARDS

Associate Professor, Graduate Inter Disciplinary Program, Statistics, University of Arizona.

Outstanding Faculty Member Recognition, Mortar Board Senior Honor Society, University of Arizona, April 6, 2007.

Co-Editor, Journal of Agricultural and Resource Economics, 2000-2003

Quality of Research Discovery Award, American Agricultural Economics Association, 1999.

Outstanding Master's Thesis Award, Western Agricultural Economics Association, 1996. Thesis Advisor.

Outstanding Ph. D. Thesis Award, Honorable Mention, American Agricultural Economics Association, 1990.

## SELECTED PUBLICATIONS

Correlated Discrete and Continuous Outcomes with Endogeneity and Lagged Effects: Past Season Yield Impact on Improved Corn Seed Adoption. Accepted for Publication in *Journal of Applied Statistics*. 48(2021)6:1128-1153 With Rhoda Muse.

Beef Producer Alliance Preferences for Vertical Coordination: A Bivariate Nested Panel Probit Approach. *Journal of Agricultural and Resource Economics*. 44(2019)1:164–178. With Ibrahima Sall and Russell Tronstad

Modeling Regime-Dependent Agricultural Commodity Price Volatilities. *Agricultural Economics*. 48 (2017) 683–691. With Na Li, Alan Ker, and Abdoul G. Sam.

A Note on Threshold Factor Levels, Tractable U-Shaped Average Variable Cost, and Truncated Product Supply. *Journal of Agricultural and Applied Economics*. 47(2016)4:482-493. With Bruce Beattie.

Environmental Justice and Federalism. Northampton, MA: Edward Elgar Publishing, 2013. With Dennis Cory, Tauhidur Rahman, M. A. Burns, M. H. Kiger.

Determinants of Environmental Noncompliance by Public Water Systems. *Contemporary Economic Policy*. 2(2010):264-274. With Tauhidur Rahman, Mini Kohli, Sharon Medgal, and J. Moxley.

Does Paying Referees Expedite Reviews?: Results of a Natural Experiment. *Southern Economic Journal*. 76(2010):678-692. With Gary, Thompson, George Frisvold, and Russell Tronstad.

Estimating Seasonality in the Mean and Variance with ARCH Models. Chapter in the book, *Advances in Econometrics: A Tribute to Stan Johnson*. Edited by J. P. Chavas and M. Holt. Berkeley Electronic Press. 2006. With Russell Tronstad.

- Trading Collar, Intraday Periodicity and Stock Market Volatility. *Applied Financial Economics*. 4 (2004): 909-913. With A. Tolga Ergun.
- Does Tourism Promote Cross Border Trade? *American Journal of Agricultural Economics*, 85(2003):569-579. With Russell Tronstad.
- Endogenous Risk in Rational-Expectations Models: A Multivariate Generalized ARCH-M Approach. *Journal of Empirical Finance*. 5(1998):99-129. With Matthew Holt.
- Total Response Measures in Systems of Nonlinear Equations: An Application to a Model of the U.S. Dairy Sector. *Canadian Journal of Agricultural Economics*. 43(1995): 285-304. With Matthew Holt.
- Production, Hedging and Speculative Decisions with Options and Futures Markets: A Comment. *American Journal of Agricultural Economics*. 75(1993):745-747. With E. Kwan Choi.
- Herbaceous Biomass Feedstock Production: The Economic Potential and Impacts on US Agriculture. *Energy Policy*. Vol. 21, No. 7, July 1993. Pages 726-734. With Randall Reese, J. F. Shogren, and Shaine Tyson.
- The BLS Model Operated at CARD: A Documentation Summary. Chapter in the book *Agricultural Sector Models for the United States*, edited by C. Robert Taylor, K. H. Reichelderfer, and S. R. Johnson, Iowa State University Press, Ames, 1993. Pages 108-128. With Klaus Frohberg, D. Maxwell, S. R. Johnson, and R. Reese.
- Policy Scenarios with the BLS Model Operated at CARD. Chapter in the book *Agricultural Sector Models for the United States*, edited by C. Robert Taylor, K. H. Reichelderfer, and S. R. Johnson, Iowa State University Press, Ames, 1993. Pages 246-272. With Klaus Frohberg, S. R. Johnson, D. Maxwell, P. R. Van de Kamp, and R. Reese.
- Dynamics and Price Volatility in Farm-Retail Livestock Price Relationships. *Journal of Agricultural and Resource Economics*. Vol. 17, No. 2, December 1992. Pages 348-361. With T. Kesavan and Stanley R. Johnson.
- Land Quality and Producer Participation in U.S. Commodity Programs. *Review of Agricultural Economics*. Vol. 14, No. 1, January 1992. Pages 105-115. With H. G. Brooks and Stanley R. Johnson.
- Price Risk in Supply Equations: An Application of GARCH Time Series Models to the U.S. Broiler Market. *Southern Economic Journal*. Vol. 57, No. 1, July 1990. Pages 230-242. With Matthew Holt.
- Coordinating Agricultural and Environmental Policies: Opportunities and Tradeoffs. *American Economic Review*. Vol. 80, No. 2, May 1990. Pages 203-207. With Stanley R. Johnson and Robert Wolcott.
- Risk Behavior and Rational Expectations in the U.S. Broiler Market. *American Journal of Agricultural Economics*. Vol. 71, No. 4, November 1989. Pages 892-902. With Matthew Holt.

Farming Systems: Income Potential and Credit Requirements of Non-Viable Farmers in Pithapuram Block, India. *Journal of Economic Development*. Vol. 13, No. 1, June 1988. Pages 21-37. With B. M. Sharma.

Rational Expectations and Policy Modeling: The Case of Wheat in India. *Journal of Policy Modeling*. Vol. 9, No. 1, Winter 1987. Pages 667-670.

GARCH Time Series Models: An Application to Livestock Prices. *Western Journal of Agricultural Economics*. Vol. 13, No. 2, December 1988. Pages 365-374. With Matthew T. Holt.

Impact of Diversification and Liberal Credit Policy on Income and Employment of Non-Viable Farmers in Pithapuram Block, East Godavari District. *Indian Journal of Agricultural Economics*. Vol. 40, No. 3, July-September 1985. Pages 323-329. With B. M. Sharma, and V. K. Sharma.

### **SELECTED WORKING PAPERS**

Consumer Preferences for Beef Attributes: An In-Restaurant Field Experiment. With Russell Tronstad Faiza Saeed, and Ibrahima Sall.

Premium for Fresh and Locally Grown Produce. With Russell Tronstad and Elena Chen.

On the Calculation of Marginal Effects in Bivariate Tobit Models.

Endogeneity and Production Risk in Agricultural Technology Adoption in Kenya. With Rhoda Muse.

Effects of Immigration Legislation on the Arizona Labor Market. With Neil Gaynor.

E-Verify Legislation: Intended and Unintended Effects on Labor Market Outcomes for Hispanics in US. With Paige Percy.

### **SELECTED GRANT FUNDING**

“Towards an Accessible Agribusiness Education for College Students in Borderland Areas of the U.S. Southwest: An Agribusiness Analytics Minor.” With Na Zuo, Gary Thompson, and Jose Soto. Funding Agency: National Institute of Food and Agriculture, United States Department of Agriculture. 2020-2022. Amount: \$249,263.00