

Curriculum Vitae

Satheesh Aradhyula

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Associate Professor
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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

- 1997 - present Associate Professor, Department of Agricultural and Resource Economics, University of Arizona, Tucson.
1991 - 97 Assistant Professor, Department of Agricultural and Resource Economics, University of Arizona, Tucson.
1989 - 91 Post-doctoral Research Associate, Center for Agricultural and Rural Development, Department of Economics, Iowa State University.
1984 - 89 Pre-doctoral Research Associate, Center for Agricultural and Rural Development, Department of Economics, Iowa State University.

MAJOR FIELDS

Quantitative Policy Analysis
Marketing and Price Analysis
Economic Development

Econometrics
Production Economics
Risk and Uncertainty

TEACHING

Undergraduate Courses Taught

Marketing and Price Analysis
Agricultural Policy Analysis
Agricultural Business Management
Principles of Microeconomics
Production Economics

Graduate Courses Taught

Introduction to Econometrics
Applied Econometric Analysis
Advanced Time Series Analysis
Production Economics
Consumption Economics
Mathematics for Economists

GRANTS RECEIVED

“North American Trade Suspension Agreement and Winter Tomato Supply Response.” Year of initial award: 2006-2008, Amount: \$154,000, Other PIs: Gary Thompson, and Russell Tronstad. Funding Agency: NRI, USDA.

“Arizona-Sonora Agribusiness Cluster: Analysis and Recommendations for Development.” Co-PIs: Russell Tronstad and Satheesh Aradhyula. 1998. \$75,000. Source of funding: Arizona Department of commerce through the Arizona-Mexico Commission.

HONORS AND AWARDS

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 REFEREED ARTICLES

Rahman, Tauhidur; Mini Kohli, Sharon Medgal, Satheesh Aradhyula, and J. Moxley, “Determinants of Environmental Noncompliance by Public Water Systems.” *Contemporary Economic Policy*. Accepted for publication.

Aradhyula, Satheesh V., and Russell Tronstad. “Estimating Seasonality in the Mean and Variance with ARCH Models.” Satheesh Aradhyula and Russell Tronstad. Chapter in the book, “*Advances in Econometrics: A Tribute to Stan Johnson*.” edited by J. P. Chavas and M. Holt. Berkeley Electronic Press. Senior authorship is shared. 2006

Aradhyula, Satheesh V., and A. Tolga Ergun. Trading Collar, Intraday Periodicity and Stock Market Volatility. *Applied Financial Economics*. 4 (2004): 909-913

Aradhyula, Satheesh V., and Russell Tronstad “Does Tourism Promote Cross Border Trade?” *American Journal of Agricultural Economics*, 85(2003):569-579.

Holt, M. T., and Satheesh V. Aradhyula. "Endogenous Risk in Rational-Expectations Models: A Multivariate Generalized ARCH-M Approach" *Journal of Empirical Finance*. 5(1998):99-129.

Holt, M. T., and Satheesh V. Aradhyula. "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.

- Aradhyula, Satheesh V., and E. Kwan Choi. "Production, Hedging and Speculative Decisions with Options and Futures Markets: A Comment." *American Journal of Agricultural Economics*. Vol.75, No. 3, August 1993. Pages 745 - 747.
- Reese, R. A., Satheesh V. Aradhyula, J. F. Shogren, and Shaine Tyson. "Herbaceous Biomass Feedstock Production: The Economic Potential and Impacts on US Agriculture." *Energy Policy*. Vol. 21, No. 7, July 1993. Pages 726-734.
- Frohberg, Klaus, D. Maxwell, Satheesh V. Aradhyula, S. R. Johnson, and R. Reese. "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.
- Frohberg, Klaus, S. R. Johnson, Satheesh V. Aradhyula, D. Maxwell, P. R. Van de Kamp, 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.
- Kesavan, T., Satheesh V. Aradhyula, and Stanley R. Johnson. "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.
- Brooks, H. G., Satheesh V. Aradhyula, 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.
- Matthew T. Holt, and Satheesh V. Aradhyula. "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.
- Stanley R. Johnson, Robert Wolcott, and Satheesh V. Aradhyula. "Coordinating Agricultural and Environmental Policies: Opportunities and Tradeoffs." *American Economic Review*. Vol. 80, No. 2, May 1990. Pages 203-207.
- Aradhyula, Satheesh V., and Matthew T. Holt. "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.
- Aradhyula, Satheesh V., and B. M. Sharma. "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.
- Aradhyula, Satheesh V. "Rational Expectations and Policy Modeling: The Case of Wheat in India." *Journal of Policy Modeling*. Vol. 9, No. 1, Winter 1987. Pages 667-670.
- Aradhyula, Satheesh V., and Matthew T. Holt. "GARCH Time Series Models: An Application to Livestock Prices." *Western Journal of Agricultural Economics*. Vol. 13, No. 2, December 1988. Pages 365-374.

Aradhyula, Satheesh V., and B. M. Sharma, and V. K. Sharma. "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.

SELECTED OTHER PUBLICATIONS

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 5, Issue 1, Fall 2007. Pages 18-19.

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 4, Issue 1, Fall 2006. Pages 18-19.

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 3, Issue 2, Fall 2005. Pages 12-14.

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 3, Issue 1, Spring 2005.

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 2, Issue 2, Fall 2004.

Aradhyula, Satheesh and Russell Tronstad. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 2, Issue 1, Spring 2004, Pages 18-19.

Aradhyula, Satheesh. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 1, Issue 2, Fall 2003, Pages 15 and 20.

Aradhyula, Satheesh. "Arizona's Agricultural Situation." *Arizona Review: Economic Perspectives on Arizona's Agriculture and Natural Resources*. Volume 1, Issue 1, Spring 2003, Pages 11-12.

SLECTED PRESENTATIONS

Aradhyula, S., T. Rahman, and S. Kumaran. Impact of Trade on Income and its Distribution." Joint work with S. Kumaran and Tauhidur Rahman. Selected paper presented at the 2007 AAEA annual meetings, Portland, OR, July 29-31, 2007.

Rahman, T., and S. Aradhyula. Moving beyond Poverty: neighborhood Structure, Household behaviors, and Children's Health in the United States. Selected paper presented at the 2007 AAEA annual meetings, Portland, OR, July 29-31, 2007.

- Thompson, G., S. Aradhyula, and R. Tronstad. North American Trade Suspension Agreement and Winter Tomato Supply response. Selected paper presented at the 2007 AAEA annual meetings, Portland, OR, July 29-31, 2007.
- Rahman, T., and Satheesh Aradhyula. Cross-Country Evidence on the Link between Health and Macroeconomic Volatility. Paper presented at Singapore Economic Review Conference, Singapore, August 1 – 4, 2007.
- Cory, Dennis, S. Aradhyula, and M. Burns. On the Notions of Fairness in Environmental Justice. Paper presented at the Western Economic Association. Paper presented at the 81st Annual Conference, Western Economic Association, San Diego, CA, July 2006.
- Rashid, Arif, Mark Langworthy, and S. Aradhyula. “Dealing with shocks: An empirical investigation of household coping strategies.” Selected paper presented at the American Agricultural Economics Association Annual Meetings, Long Beach, CA July 23-26, 2006
- Thompson, Gary, R. Satheesh Aradhyula and Russell Tronstad. “Modeling Florida Fresh Tomato Supply Response: Composite Switching Regressions with Variable Weather-Determined Lags.” Selected paper presented at the American Agricultural Economics Association Annual Meetings, Providence, RI, July 24-27, 2005.
- Aradhyula, Satheesh V., Gary D. Thompson, and Russell Tronstad. An Analysis of Florida Fresh Tomato Shipments under the U.S. – Mexico Suspension Agreement. Paper presented at the WAEA annual meetings, Denver, CO. July 11 – 15, 2003.
- Aradhyula, Satheesh V., and Tolga Ergun. “Trading Collar, Intraday Periodicity and Stock Market Volatility. “ Paper presented at the AAEA annual meetings in Long Beach, CA. July 2002.
- Aradhyula, Satheesh V., and P.K. Joshi. “Procurement Policies, Price Risk and Supply Response in Indian Wheat Market” Selected paper presented at the AAEA annual meetings in Tampa, Florida. July 30 – August 2, 2000.
- Aradhyula, Satheesh V., U. K. Deb. and C. Bantilan. “Revenue Uncertainty and Enterprise Diversification in the Semi Arid Tropics of India.” Poster presented at the AAEA annual meetings in Tampa, FL. July 30 – August 2, 2000.