

*Curriculum Vitae*

**Charles B. Moss**

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*Education*

- Doctor of Philosophy, December 1987, Purdue University, West Lafayette, Indiana. General Area of Study; Agricultural Finance, Agricultural Policy, Macroeconomics, Quantitative Methods. Thesis: *The Effect of Macroeconomic Factors on the Well-Being of a Representative Midwestern Crop and Livestock Farm*. Major Advisor, Dr. Tim Baker.
- Master of Science, August 1984, Oklahoma State University, Stillwater, Oklahoma. General Area of Study; Agricultural Finance, Agricultural Policy, Quantitative Methods. Thesis: *A Polyperiod Analysis of Financial Performance With Alternative Resource Endowments, Credit Restraints, and Organizational Forms*. Major Advisor, Dr. James Plaxico.
- Bachelor of Science in Agriculture, December 1982, Oklahoma State University, Stillwater, Oklahoma. Agricultural Economics-Accounting (double major).

*Professional Experience*

- University of Florida, Department of Food and Resource Economics. Professor with tenure, August 1998 to present. Appointment: research and teaching in the area of agricultural finance and econometrics.
- University of Florida, Center for Latin American Studies, Affiliate Member, February 2006 to Present.
- University of Florida, Center for Applied Optimization, Affiliate Member, August 2000 to Present.
- University of Florida, Department of Food and Resource Economics. Associate Professor with tenure, August 1993 to August 1998. Appointment: research and teaching in the area of agricultural finance and econometrics.
- University of Florida, Department of Economics. McKethan-Matherly fellow, 1989 to 1994.
- University of Florida, Department of Food and Resource Economics. Assistant Professor, September 1987 to August 1993. Appointment: research and teaching in the area of agricultural finance.

Purdue University, Department of Agricultural Economics. Graduate Staff, August 1984 to September 1987. Responsibilities included teaching and research in the area of agricultural finance.

Oklahoma State University, Department of Agricultural Economics. Graduate Assistant, January 1983 to August 1984. Responsibilities included research in farm financial management and policy and one semester as teaching assistant for senior level course in agricultural policy.

Oklahoma State University, Department of Agricultural Economics. Undergraduate Teaching Assistant, August 1982 to December 1982; Farm and Ranch Management I (AGEC 3413).

Oklahoma State University, Department of Agricultural Economics. Undergraduate Research Assistant, October 1981 to May 1982; the research involved studying the recreational value of the Arkansas Navigation Project; responsibilities included data analysis and computer programming.

Farmed in Southwest Oklahoma from May 1974 until August 1982, crop/livestock operation, including wheat, cotton, alfalfa, cattle, swine, and custom machinery business.

#### *Other Professional Experience*

Co-Editor *Journal of Agricultural and Applied Economics*, 1999-2001.

Editorial Boards: *Journal of Agricultural and Resource Economics*, 1998-2000,

*Journal of Agricultural and Applied Economics*, 1996-1999.

## **Publications**

#### *Edited Volumes*

1. Moss, Charles B., Gordon Rausser, Andrew Schmitz, Timothy G. Taylor, and David Zilberman (Editors). *Agricultural Globalization, Trade and the Environment* Boston: Kluwer Academic Publishers, 2002.
2. Schmitz, Andrew, Thomas H. Spreen, William Messina, and Charles B. Moss (Editors) *Sugar and Related Sweetener Markets in the 21st Century: International Perspectives* London: CAB International, 2002.
3. Moss, Charles B. and Andrew Schmitz (Editors) *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth* Ames, Iowa: Iowa State University Press, 2003.
4. Schmitz, Andrew, Charles B. Moss, Troy G. Schmitz, and Won W. Koo (Editors) *International Agricultural Trade Disputes: Case Studies in North America* Calgary, Alberta: University of Calgary Press, 2005.
5. Schmitz, Troy G., Charles B. Moss, Andrew Schmitz, Albert Kagan, and Bruce Babcock (Editors) *E-Commerce in Agribusiness* Longboat Key, Florida: Florida Science Source, Inc., 2005.

*Chapters in Books*

1. Moss, Charles B. "The Spatial Correlation of Presidential Elections." In *Festschrift Honoring Johan Koerts* (B. Bode, J. van Dalen and L. Klomp, eds.), pp. 15–8, 20. Rotterdam: Erasmus University, 1996.
2. Theil, Henri, Charles B. Moss, and Dongling Chen. "The Spatial Autocorrelation of Per Capita GDPs." In *Studies in Global Econometrics* by Henri Theil pp. 47–52. Boston: Kluwer Academic Publishers, Inc., 1996.
3. Nagahban, B., C.B. Moss, J.W. Jones, K.L. Campbell, J. Zhand, and W.G. Boggess. "Integrating Optimisation into a Regional Planning Model using GIS." In *Security and Sustainability in a Mature Water Economy: A Global Perspective* edited by John J. Pigram, pp. 347–62. University of New England, Armidale, Australia: Center for Water Policy Research. February 1996.
4. Purvis, Amy, William G. Boggess, Charles B. Moss, and John Holt. "An *Ex Ante* Approach to Modeling Technology Adoption." In *Decentralization and Coordination of Water Resource Management* edited by Douglas D. Parker and Yacov Tsur, pp. 317–38. Boston: Kluwer Academic Publishers, Inc., 1997.
5. Moss, Charles B., Henri Theil, and Sri Devi Deepak. "The GDPs and Populations of the G-7 Countries 1950-1990." In *Price Policy and Economic Growth* edited by Jorge Salazar-Carrillo and Antonio Jorge, pp. 177–82. Westport, CT: Greenwood Publishing Group, Inc., 1997.
6. Seale, James L. Jr. and Charles B. Moss. "A Latent Variable Analysis of the Effect of Financial Stress on International Trade in Latin America." In *Price Policy and Economic Growth* edited by Jorge Salazar-Carrillo and Antonio Jorge, pp. 95–112. Westport, CT: Greenwood Publishing Group, Inc., 1997.
7. Moss, Charles B. and Timothy G. Taylor. "Agricultural Globalization, Trade, and the Environment: Introduction." In *Agricultural Globalization, Trade and the Environment* edited by Charles B. Moss, Gordon Rausser, Andrew Schmitz, Timothy G. Taylor, and David Zilberman, pp. 1–11. Boston: Kluwer Academic Publishers, 2002.
8. Moss, Charles B. and Chris de Bodisco. "Agricultural and Trade Policy under Administrative Water Regimes." In *Agricultural Globalization, Trade and the Environment* edited by Charles B. Moss, Gordon Rausser, Andrew Schmitz, Timothy G. Taylor, and David Zilberman, pp. 115–32. Boston: Kluwer Academic Publishers, 2002.
9. Chris Dumas, Charles B. Moss, and Andrew Schmitz. "Tradable Permits and Agricultural Sequestration of Carbon." In *Agricultural Globalization, Trade and the Environment* edited by Charles B. Moss, Gordon Rausser, Andrew Schmitz, Timothy G. Taylor, and David Zilberman, pp. 439–55. Boston: Kluwer Academic Publishers, 2002.
10. Moss, Charles B., Gregory Livanis, Vince Breneman, and Richard F. Nehring. "Productivity Versus Urban Sprawl: Spatial Variations in Land Values." In *Agricultural Productivity: Measurement and Source of Growth* edited by V. Eldon Ball and George W. Norton, pp. 117–33. New York: Kluwer Academic Publishers, Inc., 2002.
11. Moss, Charles B. "Applied Optimization in Agriculture." In *Handbook of Applied Optimization* edited by Panos Pardolous and Mauricio G. C. Resende, pp. 957–66. New York: Oxford Press, 2002.

12. Moss, Charles B. and Andrew Schmitz. "Coalitions and Competitiveness: Why has the Sugar Program Been Resilient?" In *Agricultural Policy for the 21st Century* edited by Luther Tweeten and Stanley Thompson, pp. 160–83. Ames, Iowa: Iowa State University Press, 2002.
13. Moss, Charles B. and Andrew Schmitz. "Coalition Structures and U.S. Sugar Policy." In *Sugar and Related Sweetener Markets in the 21st Century: International Perspectives* edited by A. Schmitz, T.H. Spreen, W.A. Messina, and C.B. Moss, pp. 259–80. London: CAB International, 2002.
14. Moss, Charles B. and Andrew Schmitz. "Trade in HFCS: Cointegration with Substitute Goods." In *Sugar and Related Sweetener Markets in the 21st Century: International Perspectives* edited by A. Schmitz, T.H. Spreen, W. A. Messina, and C.B. Moss, pp. 299–314. London: CAB International, 2002.
15. Featherstone, Allen M. and Charles B. Moss. "Capital Markets, Land Values, and Boom-Bust Cycles." In *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth* edited by Charles B. Moss and Andrew Schmitz, pp. 159–78. Ames, Iowa: Iowa State University Press, 2003.
16. Moss, Charles B. J.S. Shonkwiler, and Andrew Schmitz. "The Certainty Equivalence of Farmland Values: 1910 to 2000." In *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth* edited by Charles B. Moss and Andrew Schmitz, pp. 209–22. Ames, Iowa: Iowa State University Press, 2003.
17. Erickson, Kenneth, Ashok K. Mishra, and Charles B. Moss. "Cash Rents, Imputed Returns, and the Valuation of Farmland Revisited." In *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth* edited by Charles B. Moss and Andrew Schmitz, pp. 223–35. Ames, Iowa: Iowa State University Press, 2003.
18. Schmitz, Troy G., Charles B. Moss, and Andrew Schmitz. "Segmentation of GMO and non-GMO Soybean Markets under Identity Preservation Costs and Government Price Supports." In *The Regulation of Agricultural Biotechnology* edited by R. E. Evenson and V. Santaniello, pp. 201-10. Cambridge, MA: CABI Publishing, 2004.
19. Moss, Charles B., Andrew Schmitz, Thomas Spreen, and David Orden. "Mexico's Antidumping Regime against High Fructose Corn Syrup from the United States." In *International Agricultural Trade Disputes: Case Studies in North America* edited by Schmitz, Andrew, Charles B. Moss, Troy G. Schmitz, and Won W. Koo, pp. 207–24. Calgary, Alberta: University of Calgary Press, 2005.
20. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "The New Institutional Economics, Schumpeter, and E-Commerce." In *E-Commerce in Agribusiness* edited by Schmitz, Troy G., Charles B. Moss, Andrew Schmitz, Albert Kagan, and Bruce Babcock, pp. 3–24. Longboat Key, Florida: Florida Science Source, Inc., 2005.
21. Schmitz, Troy G., Andrew Schmitz, and Charles B. Moss. "E-Commerce and Other Marketing Outlets in Florida's Cattle Market." In *E-Commerce in Agribusiness* edited by Schmitz, Troy G., Charles B. Moss, Andrew Schmitz, Albert Kagan, and Bruce Babcock, pp. 121–50. Longboat Key, Florida: Florida Science Source, Inc., 2005.

22. Moss, Charles B. and Andrw Schmitz. "Farmland Markets, Boom/Bust Cycles, and Farm Size." In *Agriculture in the Face of Changing Markets, Institutions and Policies: Challenges and Strategies* edited Jarmila Curtiss, Alfons Balmann, Kirsti Dautzenberg, and Kathrin Happe Halle, pp. 80–102. Germany: Leibniz-Institut Für Agrarentwicklung in Mittel-und Osteuropa (IAMA), 2006.
23. Moss, Charles B. "Sugar Industry." In *International Encyclopedia of the Social Sciences* edited William A. Darity, Jr.. Vol. 8. 2nd ed., pp. 218-221. Detroit: Macmillan Reference, 2008.

#### Articles

1. Moss, Charles B., Allen M. Featherstone, and Timothy G. Baker. "Agricultural Assets in an Efficient Multiperiod Portfolio." *Agricultural Finance Review*, 47(1987): 82–94.
2. Featherstone, Allen M., Charles B. Moss, Timothy G. Baker, and Paul V. Preckel. "The Theoretical Effects of Farm Policies on Optimal Leverage and the Probability of Equity Loss." *American Journal of Agricultural Economics* 70(3) (August 1988): 572–9.
3. Moss, Charles B., Ronald P. Muraro, and William G. Boggess. "Distortionary Impacts of the 1982 and 1986 Tax Codes on Capital Investments: A Case Study of the Investment in Orange Grove." *Southern Journal of Agricultural Economics* 21(2)(December 1989): 107–16.
4. Moss, Charles B., J.S. Shonkwiler, and John E. Reynolds. "Government Payments to Farmers and Real Agricultural Asset Values in the 1980s." *Southern Journal of Agricultural Economics* 21(2)(December 1989): 139–54.
5. Moss, Charles B., Stephen A. Ford, and William G. Boggess. "Capital Gains, Optimal Leverage, and the Probability of Equity Loss: A Theoretical Model." *Agricultural Finance Review* 49(1989): 127–34.
6. Featherstone, Allen and Charles B. Moss. "Quantifying Gains to Diversification Using Certainty Equivalence in a Mean Variance Model: An Application to Florida Citrus." *Southern Journal of Agricultural Economics* 22(2) (December 1990): 191–8.
7. Moss, Charles B., J.S. Shonkwiler, and Stephen A. Ford. "A Risk Endogenous Model of Aggregate Agricultural Debt." *Agricultural Finance Review* 50(1990): 73–9.
8. Moss, Charles B. "Financing Agriculture Under Changing Environmental Regulations: A Discussion of the Emerging Teaching and Research Agenda." (Invited) *American Journal of Agricultural Economics* 73(5) (December 1991): 1405–6.
9. Gottret, Maria Veronica, James L. Seale, Jr., Charles B. Moss, and Carlton G. Davis. "Efectos de Las Dificultades Financieras Sobre El Comercio Exterior Para Pases Del Caribe y Latinoamerica." *Revista Investigacion Agraria Economia* 6(2) (December 1991): 147–60.
10. Moss, Charles B., Stephen A. Ford, and Mario Castejon. "Effect of Debt Position on the Choice of Marketing Strategies for Florida Orange Growers: A Risk Efficiency Approach." *Southern Journal of Agricultural Economics* 23(2) (December 1991): 103–12.
11. Moss, Charles B., Richard N. Weldon, and Ronald P. Muraro. "The Impact of Risk on the Discount Rate for Different Citrus Varieties." *Agribusiness: An International Journal* 7(4) (July 1991): 327–38.

12. Moss, Charles B., Richard N. Weldon, and Allen M. Featherstone. "A Simple Approach to Evaluating Risk Diversification Opportunities." *Journal of the American Society of Farm Managers and Rural Appraisers* 55(1) (April 1991): 20–4.
13. Moss, Charles B. "The Cost Price Squeeze in Agriculture: An Application of Cointegration." *Review of Agricultural Economics* 14(1) (July 1992): 209–17.
14. Weldon, Richard N., Charles B. Moss and Kenneth Erickson. "The Distribution of Farm Wealth in the United States." *Agricultural Finance Review* 53(1993): 100–9.
15. Moss, Charles B. and J. S. Shonkwiler. "Estimating Yield Distributions Using a Stochastic Trend Model and Nonnormal Errors." *American Journal of Agricultural Economics* 75(5)(November 1993): 1056–62.
16. Shonkwiler, J. S. and Charles B. Moss. "A Multidimensional Index of Financial Stress in the Farm Sector." *Social Indicators Research* 28(1993): 75–84.
17. Ramirez, Octavio, Charles B. Moss and William G. Boggess. "Estimation and Use of the Inverse Hyperbolic Sine Transformation to Model Nonnormal Correlated Random Variables." *Journal of Applied Statistics* 21(1994): 289–304.
18. Weldon, Richard N., Endah Srinarni, Charles B. Moss and John J. Van Sickle. "Financial Analysis of the Banks for Cooperatives." *Journal of Agricultural Cooperation* (1994): 13–26.
19. Featherstone, Allen M. and Charles B. Moss. "Measuring Economies of Scale and Scope in Agricultural Banking." (Invited) *American Journal of Agricultural Economics* 76(August 1994): 655–61.
20. Weldon, Richard N. and Charles B. Moss. "The Term Structure of Interest Rates and Net Present Value." *Journal of Agribusiness* 12(1) (Spring 1994): 13–26.
21. Nyamusika, Nfune, Thomas H. Spreen, Owen Rae and Charles B. Moss. "A Bioeconomic Model of Bovine Respiratory Disease Complex." *Review of Agricultural Economics* 16(1) (January 1994): 39–53.
22. Purvis, Amy, William G. Boggess, Charles B. Moss and John Holt. "Technology Adoption Decisions Under Irreversibility and Uncertainty: An Ex Ante Approach." *American Journal of Agricultural Economics* 77(August 1995): 541–51.
23. Henry, G. M., M. A. DeLorenzo, D. K. Beede, H. H. Van Horn, C. B. Moss, and W. G. Boggess. "Determining Optimal Nutrient Management Strategies for Dairy Farms." *Journal of Dairy Science* 78(1995): 693–703.
24. Moss, Charles B. "Returns, Interest Rates, and Inflation: How They Explain Changes in Farmland Values." *American Journal of Agricultural Economics* 79(4)(November 1997): 1311–8.
25. Vogiatzis, M., D. R. Carter, C. B. Moss, and L. G. Arvanitis. "Ecosystem Management or Infeasible Guidelines? Implications of Adjacency Restrictions for Wildlife Habitat and Timber Production." *Canadian Journal of Forest Research* 27(1997): 1302–10.
26. Greene, Gretchen, Charles B. Moss, and Thomas H. Spreen. "The Demand for Recreational Fishing in Tampa Bay, Florida: A Random Utility Approach." *Marine Resource Economics* 12(1997): 293–305.
27. Ramirez, Octavio A., Charles B. Moss, and William G. Boggess. "A Stochastic Optimal Control Formulation of the Consumption/Debt Decision." *Agricultural Finance Review* 57(1997): 29–38.

28. Theil, Henri and Charles B. Moss. "The Measurement of Inequality by Components of Total Expenditure." *Empirical Economics* 24(3)(1999): 559–61.
29. Theil, Henri and Charles B. Moss. "A Proposed Set of Nine Regions for the United States." *Empirical Economics* 25(4)(2000): 715–9.
30. Moss, Charles B. "Estimation of the Cobb-Douglas with Zero Input Levels: Bootstrapping and Substitution." *Applied Economic Letters* 7(2000): 677–9.
31. Schmitz, Andrew and Charles B. Moss. "Vertical Integration in Production and Marketing: The Case of Sugar in the United States" *International Sugar Journal* 103(1234)(October 2001): 443–6, 461.
32. Moss, Charles B. and Andrew Schmitz. "Price Behavior In The U.S. Sweetener Market: A Cointegration Approach" *Applied Economics* 34(10)(2002): 1273–81.
33. Moss, Charles B. and Andrew Schmitz. "Vertical Integration and Trade Policy: The Case of Sugar" *Agribusiness: An International Journal* 18(1)(2002): 49–60.
34. Moss, Charles B. and Chris De Bodisco. "Irrigation Projections in Georgia's Alabama-Coosa-Tallapoosa and Apalachicola-Chattahoochee-Flint Basins: 1995-2020." *Water Resources Management* 16(5)(October 2002): 381–400.
35. Moss, Charles B. "It is Obvious That..." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 1.
36. Moss, Charles B. and Henri Theil "Homogeneity Testing Revisited." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 3–4.
37. Xiaming Gao, Charles B. Moss, Henri Theil and Dave D. Weatherspoon "The Development of the GDPs of the G-7 Countries, 1950-1988." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 151–4.
38. Theil, Henri and Charles B. Moss "Les Maîtres du Monde: The G-7's Path to Prominence, 1885–1994." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 155–60.
39. Theil, Henri and Charles B. Moss "The Five Layers of Affluence." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 165–8.
40. Deepak, Sri Devi, James L. Seale, Jr., and Charles B. Moss "Per Capita Income, Human Capital, and Inequality Convergence." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 171–80.
41. Weatherspoon, Dave D., James L. Seale, Jr. and Charles B. Moss "Extending Theil's Inequality Index: Addressing Dynamic Convergence in the OECD." *Journal of Agricultural and Applied Economics* 35(Supplement 2003): 183–94.
42. Moss, Charles B., Troy G. Schmitz, Albert Kagan, and Andrew Schmitz. "Institutional Economics and the Emergence of E-commerce in Agribusiness." *Journal of Agribusiness* 21(1)(Spring 2003): 83–102.
43. Schmitz, Troy G., Charles B. Moss, and Andrew Schmitz. "Marketing Channels Compete for U.S. Stocker Cattle." *Journal of Agribusiness* 21(2)(Fall 2003): 131–48.
44. Moss, Charles B. and Andrew Schmitz. "Delineating the Relevant U.S. Sweetener Markets." *Journal of Agricultural & Food Industrial Organization* 2(1)(2004) Article 1. <http://www.bepress.com/jafio/vol2/iss1/art1>.

45. Schmitz, Troy G., Andrew Schmitz, and Charles B. Moss “Reduced Demand due to StarLink Corn: A Structural Change Model.” *Journal of Agricultural and Food Industrial Organization* 2(2)(2004): Article 6. <http://www.bepress.com/jafio/vol2/iss2/art6>.
46. Gray, Richard, Charles B. Moss, and Andrew Schmitz “Genetically Modified Organisms: Rights To Use Commodity Names and the Lemons Problem.” *Journal of Agricultural & Food Industrial Organization* 2(2)(2004) Article 7. <http://www.bepress.com/jafio/vol2/iss2/art7>.
47. Mishra, Ashok K., Charles B. Moss, and Kenneth Erickson. “Valuing Farmland with Multiple Quasi-Fixed Inputs.” *Applied Economics* 36(15)(2004): 1655–69.
48. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. “The Brave New World: Imperfect Information, Segregation Costs, and Genetically Modified Organisms.” *Agrarwirtschaft* 53(8)(2004): 303–8.
49. Blank, Steven C., Kenneth W. Erickson, Charles B. Moss, and Richard Nehring. “Agricultural Profits and Farm Household Wealth.” (Invited) *American Journal of Agricultural Economics* 86(5)(December 2004): 1299–307.
50. Erickson, Kenneth W., Charles B. Moss, and Ashok K. Mishra. “Rates of Return in the Farm and Non-farm Sectors: How Do They Compare?” *Journal of Agricultural and Applied Economics* 36(3)(December 2004): 789–95.
51. Schmitz, Troy G., Andrew Schmitz, and Charles B. Moss. “The Economic Impact of StarLink Corn.” *Agribusiness: An International Journal* 21(3)(Summer 2005): 391–407.
52. Schmitz, Andrew and Charles B. Moss. “Multifunctionality in Agriculture: Externalities and Non-Traded Goods.” *International Journal of Agricultural Resources, Governance, and Ecology* 4(3/4)(2005): 327–43.
53. Blank, Steven C., Kenneth W. Erickson, and Charles B. Moss. “Profit Patterns Across American Agriculture.” *Journal of Agricultural and Resource Economics* 30(2)(August 2005): 205–30.
54. Moss, Charles B. and Ani Katchova. “Farmland Valuation and Asset Performance.” *Agricultural Finance Review* 65(2)(Fall 2005): 119–30.
55. Moss, Charles B., Andrew Schmitz, and Troy G. Schmitz. “First-Generation Genetically Modified Organisms in Agriculture.” *Journal of Public Affairs* 6(1)(February 2006): 46–57.
56. Moss, Charles B. “Valuing State Level Funding for Research: Results for Florida.” *Journal of Agricultural and Applied Economics* 38(1)(April 2006): 169–83.
57. Mishra, Ashok K. and Charles B. Moss. “Adapting A Nonparametric Pooling Test for Use in Panel Cointegration Models.” *Applied Economics Letters* 13(6)(May 2006): 355–7.
58. Pierre, Raphael, Thomas H. Spreen, and Charles B. Moss. “Invasive Species and Bio-Security: Cost of Monitoring and Controlling Mediterranean Fruit Flies in Florida.” (Invited) *Journal of Agricultural and Applied Economics* 38(2)(August 2006): 337–43.
59. Moss, Charles B., Ashok K. Mishra, and Kenneth W. Erickson. “Rates of Return on U.S. Farm Investments, 1940-2003: A Comparison of Imputed Returns Versus Residual Income Approaches.” *Agricultural Finance Review* 66(1)(Spring 2006): 91–107.

60. Livanis, Grigorios, Charles B. Moss, Vincent E. Breneman, and Richard F. Nehring. "Urban Sprawl and Farmland Prices." *American Journal of Agricultural Economics* 88(4)(November 2006): 915–29.
61. Moss, Charles B. and Troy G. Schmitz. "A Semiparametric Estimator of the Zellner Production Function for Corn: Fitting the Univariate Primal." *Applied Economics Letters* 13(13)(October 2006): 863–7.
62. Mishra, Ashok K., Charles B. Moss, and Kenneth Erickson. "Farm Wealth Inequality Within and Across Regions in the United States." *Agricultural and Resource Economics Review* 35(2)(October 2006): 251–64.
63. Livanis, Grigorios and Charles B. Moss. "Quasi-Fixity and Multiproduct Firms." *Economics Letters* 93(2)(November 2006): 228–34.
64. Moss, Charles B., Ashok K. Mishra and Kenneth Erickson. "Next Year on the U.S. Farmland Market: An Informational Approach." *Applied Economics* 39(5)(April 2007): 581–5.
65. Schmitz, Andrew, Charles B. Moss, and Troy G. Schmitz. "Ethanol: No Free Lunch." *Journal of Agricultural & Food Industrial Organization* 5(2)(2007) Article 3. Available at: <http://www.bepress.com/jafio/vol5/iss2/art3>.
66. Mishra, Ashok K., Charles B. Moss, and Kenneth W. Erickson. "The Role of Credit Constraints and Government Subsidies in Farmland Valuation in the U.S.: An Options Pricing Model Approach." *Empirical Economics* 34(2)(March 2008): 285–97.
67. Mishra, Ashok K. and Charles B. Moss. "Measurement of Inequality by Components of Farm Household Consumption Expenditures." *Applied Economics* (In Press).
68. Mishra, Ashok K., Charles B. Moss, and Kenneth Erickson. "Changes in the Distribution of Farm Wealth in the United States." *Agricultural Finance Review* (In Press).
69. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "Segregating Genetically Modified and Non-Genetically Modified Corn in a Marketing Channel." *Applied Economics* (In Press).
70. Charles B. Moss and Grigorios Livanis. "Implementation of Stochastic Dominance: A Nonparametric Kernel Approach." *Applied Economics Letters* (In Press).
71. Castillo, Maria-Jose, Maria Pilar-Useche, and Charles B. Moss. "Missing Agricultural Price Data: An Application of Mixed Estimation." *Applied Economics Letters* (In Press).

#### *Papers Published in Proceedings*

1. Moss, Charles B., Timothy G. Baker, and B. Wade Brorsen. "Effects of the Macroeconomic Environment on Agricultural Prices in the Early 1980s," Proceedings of Regional Research Committee NC-161 Department of Agricultural and Applied Economics, University of Minnesota, St. Paul, March 1988.
2. Moss, Charles B. and Allen M. Featherstone. "An Empirical Investigation of Risk Diversification Opportunities Within the Farm Credit System," *Proceedings of Regional Research Committee NC-161* Agricultural Economics Report No. 243, North Dakota State University, January 1989.

3. Moss, Charles B., Octavio A Ramirez, and William G. Boggess. "Modeling Nonnormality in Multivariate Distributions Using an Inverse Hyperbolic Sine Transformation to Normality," *Proceedings of Regional Research Committee S-232*. Department of Agricultural Economics and Rural Sociology, University of Arkansas, Fayetteville, March 1991.
4. Moss, Charles B. and William G. Boggess. "New Procedures in Modeling Risk: Nihil Novum Sub sol Est," *Proceedings of Regional Research Committee S-232* Department of Agricultural and Resource Economics, University of Arizona, Tucson, September 1992.
5. Moss, Charles B. and Timothy G. Baker. "Risk and Efficiency of Financial Intermediaries." *Proceedings of Regional Research Committee NC-207 Staff Paper SP93-22*, Food and Resource Economics Department, University of Florida, Gainesville, September 1993.
6. Moss, Charles B., Amy P. Pagano, and William G. Boggess. "Ex Ante Modeling of the Effect of Irreversibility and Uncertainty on Citrus Investment." *Risk Modeling in Agriculture: Retrospective and Prospective Program proceedings for the annual meetings of the Technical Committee of S-232*, Department of Economics, Iowa State University, Ames, August, 1994.
7. Moss, Charles B., Ashok K. Mishra, and Kenneth W. Erickson. "Effect of Debt Servicing, Returns, and Government Payments on Changes in Farmland Values: A Fixed and Random Effects Model." *Proceedings of Regional Research Committee NC-221*, Minneapolis, Minnesota October, 2000.
8. Mishra, Ashok K., Charles B. Moss, and Kenneth W. Erickson. "Valuing Farmland with Multiple Quasi-Fixed Inputs." *Proceedings of NC-221 Center for Farm and Rural Business Finance Report 02-F-221* University of Illinois, Urbana, IL July 2002.
9. Moss, Charles B., Ashok K. Mishra, and Timothy G. Baker. "Debt-Equity Structure and Risk Balancing by Farm Businesses." *Proceedings of Regional Research Committee NC-1014 Staff Paper #06-03*, Department of Agricultural Economics, Purdue University West Lafayette, Indiana, March 2006.

*Published Abstracts for Presented Papers*

1. Moss, Charles B., Allen M. Featherstone, and Timothy G. Baker. "Stocks, Bonds, Bills, and Farm Assets: A Portfolio Approach." (Abstract) *American Journal of Agricultural Economics* 68(5) (December 1986): 1379.
2. Featherstone, Allen M., Charles B. Moss, and Timothy G. Baker. "The Theoretical Effects of Farm Policies on Optimal Leverage and the Probability of Equity Loss." (Abstract) *American Journal of Agricultural Economics* 68(5) (December 1986): 1379.
3. Moss, Charles B., Timothy G. Baker, and B. Wade Brorsen. "Effects of Structural Changes in Macroeconomic Policy on Agricultural Prices." (Abstract) *American Journal of Agricultural Economics* 69(5) (December 1987): 1087.
4. Shonkwiler, J.S., Charles B. Moss, and Stephen A. Ford. "An Empirical Model of U.S. Agricultural Debt." (Abstract) *American Journal of Agricultural Economics* 70(5) (December 1988): 1191.

5. Moss, Charles B. and J.S. Shonkwiler. "Effects of Government Payments to Farmers on Real Agricultural Asset Values." (Abstract) *American Journal of Agricultural Economics* 70(5) (December 1988): 1191.
6. Muraro, Ronald, Charles B. Moss, and William G. Boggess. "Change in Tax Distortions Between the 1982 and 1986 U.S. Tax Codes: A Case Study of Investment in Orange Groves." (Abstract) *Southern Journal of Agricultural Economics* 21(1) (July 1989): 181.
7. Featherstone, Allen M. and Charles B. Moss. "The Economic Efficiency of Diversification: Certainty Equivalence and the Mean-Variance Model." (Abstract) *Southern Journal of Agricultural Economics* 21(1) (July 1989): 181.
8. Moss, Charles B. and P.J. van Blokland. "Debt Choice and Marketing Instruments: The Case of Frozen Concentrated Orange Juice." (Abstract) *Southern Journal of Agricultural Economics* 21(1) (July 1989): 184.
9. Castejon, Mario, Charles B. Moss, and Stephen A. Ford. "Effect of Debt Position on the Choice of Marketing Strategies for Florida Orange Growers." (Abstract) *American Journal of Agricultural Economics* 71(5) (December 1989): 1351.
10. Seale, James L., Jr. and Charles B. Moss. "The Overshooting Hypothesis: Are Agricultural Exports More Sensitive?" (Abstract) *American Journal of Agricultural Economics* 71(5) (December 1989): 1345.
11. Moss, Charles B. and J.S. Shonkwiler. "An Empirical Investigation of the Effect of Risk in Agriculture on the Interest Rate on Farm Credit System Bonds." (Abstract) *American Journal of Agricultural Economics* 71(5) (December 1989): 1355.
12. Ramirez, Octavio, Charles B. Moss, and William G. Boggess. "A Stochastic Optimal Control Formulation of the Risk Balancing Debt Choice Model." (Abstract) *Southern Journal of Agricultural Economics* 22(1) (July 1990): 201.
13. Gottret, Maria Veronica, James L. Seale, Jr., Charles B. Moss, and Carlton G. Davis. "Empirical Investigation into the Effect of Financial Stress on Trade Flows for Selected Caribbean and Latin American Countries." (Abstract) *American Journal of Agricultural Economics* 72(5)(December 1990): 1371.
14. Boggess, William G., Octavio A. Ramirez, and Charles B. Moss. "An Efficient and Theoretically consistent Procedure for Generating Correlated, Non-Normal Random Variables in Simulation Models." (Abstract) *American Journal of Agricultural Economics* 72(5)(December 1990): 1351.
15. Moss, Charles B., Nicholas G. Kalaitzandonakes, and Timothy G. Taylor. "Risk Corrected Efficiency Measures." (Abstract) *American Journal of Agricultural Economics* 72(5)(December 1990): 1345.
16. Shonkwiler, J.S. and Charles B. Moss. "Misery in Agriculture." (Abstract) *Southern Journal of Agricultural Economics* 23(1) (July 1991): 259.
17. Weldon, Richard N. and Charles B. Moss. "The Term Structure of Interest Rates and Net Present Value." (Abstract) *Southern Journal of Agricultural Economics* 23(1) (July 1991): 259.
18. Pana, Regina, Richard N. Weldon, and Charles B. Moss. "An Economic Assessment of the Benefit of 180° Caps for Orange Trees in Florida." (Abstract) *Southern Journal of Agricultural Economics* 23(1) (July 1991): 255.

19. Moss, Charles B. "The Cost Price Squeeze in Agriculture: An Application of Cointegration." (Abstract) *Southern Journal of Agricultural Economics* 23(1) (July 1991): 253.
20. Weldon, Richard N., Charles B. Moss, and Reginald Blackman. "An Empirical Investigation of Systematic Risk in Agribusiness." (Abstract) *American Journal of Agricultural Economics* 73(5) (December 1991): 1533
21. Moss, Charles B. and J. S. Shonkwiler. "Modeling Yield with Stochastic Trend and Nonnormal Errors." (Abstract) *American Journal of Agricultural Economics* 73(5) (December 1991): 1545.
22. Moss, Charles B., Richard N. Weldon, Robert D. Emerson and P.J. van Blokland. "Systematic and Nonsystematic Risk in the Farm Credit System Cost of Capital." (Abstract) *Southern Journal of Agricultural Economics* 24(1)(July 1992): 287.
23. Weldon, Richard, Kenneth Erickson, and Charles Moss. "Net Value Added for the U.S. Agricultural Sector: An Entropy Approach." (Abstract) *Journal of Agricultural and Resource Economics* 18(2)(December 1993): 301
24. Moss, Charles B., Richard N. Weldon and Kenneth Erickson. "An Examination of Financial Stress in U.S. Agriculture, 1960-91: Implications from Option Pricing Models." (Abstract) *Journal of Agricultural and Resource Economics* 18(2)(December 1993): 301.
25. Chance, Sean, Richard Weldon, and Charles Moss. "Option Pricing Assessment of the Columbia Farm Credit System District." (Abstract) *Journal of Agricultural and Applied Economics* 26(1)(July 1994): 326.
26. Deepak, Sri Devi and Charles B. Moss. "The Effect of Government Payments on Real Asset Values in Agriculture: A Cointegration Approach." (Abstract) *Journal of Agricultural and Applied Economics* 26(1)(July 1994): 322.
27. Pagano, Amy P., Charles B. Moss, and William G. Boggess. "Ex Ante Forecasting of Technology Adoption for Environmental Compliance: Does Uncertainty and Irreversibility Make a Difference." (Abstract) *Journal of Agricultural and Applied Economics* 26(1)(July 1994): 323.
28. Deepak, Sri Devi, James L. Seale, Jr., and Charles B. Moss. "Human Capital, Convergence, and Income Inequality: A Latent Variable Approach." (Abstract) *American Journal of Agricultural Economics* 77(5)(December 1995): 1381.
29. Moss, Charles B., Timothy G. Taylor, and Dongling Chen. "Misspecification and the Empirical Evaluation of Curvature Restrictions." (Abstract) *American Journal of Agricultural Economics* 77(5)(December 1995): 1377.
30. Greene, Gretchen, Charles Moss, and Eric Thunberg. "Estimation of Recreational Angler's Value of Reef Fish in the Gulf of Mexico." (Abstract) *Journal of Agricultural and Applied Economics* 28(1) (July 1996): 216.
31. Greene, Gretchen, Charles B. Moss, and Thomas Spreen. "The Demand for Recreational Fishing in Tampa Bay, Florida: A Random Utility Approach." (Abstract) *American Journal of Agricultural Economics* 78(5)(December 1996): 1414.
32. Schmitz, Andrew and Charles B. Moss. "Aggregate Evidence of Boom/Bust Cycles in Domestic Agriculture." (Abstract) *American Journal of Agricultural Economics* 78(5)(December 1996): 1396.

33. Moss, Charles B., J.S. Shonkwiler, and Andrew Schmitz. "A Historical Examination of Certainty Equivalence for Agricultural Assets: 1910-1992." (Abstract) *American Journal of Agricultural Economics* 78(5)(December 1996): 1401.
34. Zanzig, Blair, Charles B. Moss, and Andrew Schmitz. "Natural Disasters and the Yield Curve of Florida Valencias." (Abstract) *Journal of Agricultural and Resource Economics* 22(December 1997): 402.
35. Seale, James L., Jr., Charles B. Moss, and Allen M. Featherstone. "The Effect of Changes in Structure on the Cost of Capital in Agriculture: A Differential Approach." (Abstract) *Journal of Agricultural and Applied Economics* 30(1) (July 1998): 238.
36. Moss, Charles B. and Timothy G. Baker. "Cross-Section Evidence of the Risk-Balancing Debt Formulation." (Abstract) *Journal of Agricultural and Applied Economics* 30(1) (July 1998): 238.
37. Moss, Charles B. and Andrew Schmitz. "A Reexamination of the Portfolio Effects on Domestic Farmland." (Abstract) *Journal of Agricultural and Applied Economics* 30(1) (July 1998): 237.
38. Greene, Gretchen, Charles B. Moss, and Thomas Spreen. "Measuring the Gains from Market-Based Reforms: The Case of the Sugar Industry in Veracruz Mexico." (Abstract) *Journal of Agricultural and Applied Economics* 30(1) (July 1998): 229.
39. Chung, Rebecca, Charles B. Moss, Jong-Ying Lee, and Mark Brown. "The Demand for Nutrients: The Household Production Approach." (Abstract) *American Journal of Agricultural Economics* 82(5)(December 1998): 1187
40. Moss, Charles B., Kenneth Erickson, and Larry Perruso. "Spatial Information in Land Values: An Entropy Approach." (Abstract) *American Journal of Agricultural Economics* 81(5)(December 1999): 1306-7.
41. Mishra, Ashok K., Charles B. Moss, and Kenneth W. Erickson. "Changes in the Distribution of Farm Wealth in the United States." (Abstract) *Journal of Agricultural and Resource Economics* 26(2)(December 2001): 571.
42. Erickson, Kenneth W., Ashok K. Mishra, and Charles B. Moss. "Rates of Return in the Farm and Nonfarm Sectors: A Time-Series Comparison." (Abstract) *Journal of Agricultural and Resource Economics* 26(2)(December 2001): 571.
43. Moss, Charles B. "Estimating Western Farmland Values: The Effect of Return on Assets, Productivity Growth, and Urbanization over Time." (Abstract) *Journal of Agricultural and Resource Economics* 27(2)(December 2002): 574.
44. Erickson, Kenneth W., Charles B. Moss, Richard Nehring, V. Eldon Ball. "A Translog Cost Function Analysis of U.S. Agriculture: 1948-1999." (Abstract) *Journal of Agricultural and Resource Economics* 28(3)(December 2003): 652.

### Reviews

1. Moss, Charles B. Review of *The Economics of Cuban Sugar* by Jorge F. Perez-Lopez. *Journal of Economic History* 52(1992): 956-57.
2. Moss, Charles B. Review of *Complex Economic Dynamics* by Richard Day. *American Journal of Agricultural Economics* 77(1995): 812-13.
3. Moss, Charles B. Review of *Present Value Models and Investment Analysis* by Lindon J. Robison and Peter J. Barry. *Journal of Agribusiness* 15(Spring 1997): 135-8.

4. Moss, Charles B. Review of Estimating Market Power Strategies by Jeffrey M. Perloff, Larry S. Karp, and Amos Golan. *American Journal of Agricultural Economics* (In Press).

*Popular Press*

1. Moss, Charles and P.J. van Blokland. "Secondary Markets for Agricultural Loans: An Explanation." *Florida Food and Resource Economics* 82(May-June 1988).
2. Moss, Charles B. "Farm Credit Outlook 1990." *Florida Food and Resource Economics* 91(November-December 1990).
3. Moss, Charles B. "Farm Credit Outlook 1991." *Florida Food and Resource Economics* 97(November-December 1991).
4. Moss, Charles B. and Andrew Schmitz "Government Policy and Farmland Markets: Implications of the New Economy--Part 1" EDIS FE342, Department of Food and Resource Economics, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, October 2002.
5. Moss, Charles B. and Andrew Schmitz "Government Policy and Farmland Markets: Implications of the New Economy--Part 2" EDIS FE358, Department of Food and Resource Economics, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, October 2002.
6. Schmitz, Andrew, Won Koo, and Charles B. Moss "International Agricultural Trade Disputes: Case Studies in North America." EDIS FE381, Department of Food and Resource Economics, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, May 2003.
7. Schmitz, Andrew, Charles Moss, and Won Koo. "The Role of GMOs in Trade Disputes." EDIS FE471, Department of Food and Resource Economics, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, December 2003.

*Other Finished*

1. Moss, Charles B. and James S. Plaxico. "Risk Diversification Opportunities Within the Farm Credit System." *Food and Resource Economics Department, University of Florida, Staff Paper 321, January 1988.*
2. Shonkwiler, J. S. and Charles B. Moss. "Financial Stress and Prosperity in Agriculture: A Historical Perspective." *Food and Resource Economics Department, University of Florida, Staff Paper Series SP91-7, February 1991.*
3. Pana, Regina, Richard N. Weldon, Charles B. Moss, and Ronald P. Muraro. "An Economic Assessment of the Benefit of Tree Enclosures for Orange Trees in Florida." *Food and Resource Economics Department, University of Florida, Staff Paper Series SP91-8, February 1991.*
4. Moss, Charles B. and Michael T. Olexa. "Environmental Considerations for Agricultural Intermediation: Potential Impacts of CERCLA and SARA." *Food and Resource Economics Department, University of Florida, Staff Paper Series SP92-3, March 1992.*

5. Purvis, Amy, Charles B. Moss, William G. Boggess, Dana Hoag, and Arthur Hornsby. "On Multivariate Stochastic Dominance: A Conceptual Framework for Evaluating Water Quality Tradeoffs." Food and Resource Economics Department, University of Florida, Staff Paper Series SP92-12, May 1992.
6. Moss, Charles B. "A Financial Economics Perspective on Expected Utility." Food and Resource Economics Department, University of Florida, Staff Paper SP92-11, May 1992.
7. Greene, Gretchen, Charles B. Moss, and Eric M. Thunberg. "Estimation of Recreational Anglers' Value of Reef Fish in the Gulf of Mexico." Food and Resource Economics Department, University of Florida, Staff Paper SP94-12, October 1994.
8. Theil, Henri, Charles B. Moss, and Dongling Chen. "The Five Layers of Affluence." Food and Resource Economics Department, University of Florida, International Working Paper Series IW 95-13, June 1995.
9. Moss, Charles B. and Henri Theil. "Homogeneity Testing Revisited." Food and Resource Economics Department, University of Florida, Applied Economics Working Paper Series AEW 95-1, July 1995.
10. Moss, Charles B., Timothy G. Taylor, and Dongling Chen. "Misspecification and the Empirical Evaluation of Curvature Restrictions." Food and Resource Economics Department, University of Florida, Applied Economics Working Paper Series AEW 95-2, August 1995.
11. Moss, Charles B., Timothy G. Taylor, and James L. Seale, Jr. "Informational Estimates of a Translog Cost Function." Food and Resource Economics Department, University of Florida, Applied Economics Working Paper Series AEW 95-3, August 1995.
12. Taufik, Tantang A., Thomas H. Spreen, and Charles B. Moss. "Noncooperative Differential Duopoly Games with Constant Conjectures and Linear Costs: Analytical Models." Food and Resource Economics Department, University of Florida, International Working Paper Series IW95-14, July 1995.
13. Park, Wayne I. and Charles B. Moss. "The Impact of Carbon Dioxide on the Temporal Distribution of Corn and Soybean Yields." Food and Resource Economics Department, University of Florida, Staff Paper Series SP96-6, May 1996.
14. Theil, Henri and Charles B. Moss. "Les Maîtres du Monde: The G-7's Path to Prominence 1885-1994." Food and Resource Economics Department, University of Florida, International Working Paper Series IW97-1, January 1997.
15. Theil, Henri and Charles B. Moss. "The Equatorial Grand Canyon Revisited." Food and Resource Economics Department, University of Florida, International Working Paper Series IW97-2, February 1997.
16. Moss, Charles B. and Andrew Schmitz "Boom/Bust Cycles in Domestic Farmland Prices: Present Value Formulation Under Rational and Adaptive Expectations." Food and Resource Economics, University of Florida, Staff Paper, SP97-7, July 1997.
17. Moss, Charles B. "Three Stylized Facts Regarding Farmland Values." Food and Resource Economics Department, University of Florida, Staff Paper SP97-8, July 1997.
18. Moss, Charles B. "Analysis of Changes in Agricultural Water Demand in Northwest Florida: A Methodological Proposal." Food and Resource Economics Department, University of Florida, Staff Paper SP97-11, September 1997.

19. Seale, James L., Jr., Charles B. Moss, and Allen Featherstone. "The Effect of Changes in the Structure of Banking on the Cost of Capital in Agriculture: A Differential Approach." Food and Resource Economics Department, Staff Paper SP 98-5, January 1998.
20. Schmitz, Andrew and Charles B. Moss. "A Reexamination of the Portfolio Effects on Domestic Farmland." Food and Resource Economics Department, Staff Paper SP 98-4, January 1998.
21. Moss, Charles B. and Timothy G. Baker. "Cross Sectional Evidence of the Risk-Balancing Formulation." Food and Resource Economics Department, Staff Paper SP 98-6, January 1998.
22. Zanzig, Blair R., Charles B. Moss, and Andrew Schmitz. "The 'S-Shaped' Yield Curve of Florida Valencias." Food and Resource Economics Department, Staff Paper SP 98-8, June 1998.
23. Moss, Charles B. "A Semiparametric Estimator of the Zellner Production Function for Corn: Fitting the Univariate Primal." Department of Food and Resource Economics Staff Paper, SP 99-4, March 1999.
24. Moss, Charles B. and Chris de Bodisco. "Irrigation Projections in Georgia's ACF Basin: 1995-2020." Department of Food and Resource Economics Staff Paper, SP 99-5, April 1999.
25. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "Where is the Walrasian Auctioneer for Agricultural Markets? An Examination of the Marketing Institution." Department of Food and Resource Economics Staff Paper SP 01-08, May 2001.
26. Moss, Charles B. "Evaluation of Marketing Instruments for Coffee Production in Veracruz: Implementing Stochastic Dominance with Limited Data." Department of Food and Resource Economics Staff Paper SP 01-07, May 2001.
27. Moss, Charles B. "Implementation of Stochastic Dominance: A Nonparametric Kernel Approach." Department of Food and Resource Economics Staff Paper SP 01-06, May 2001.
28. Moss, Charles B. and Gustavo A. Guerra Galindo. "Quality Differentiation and Market Power in the Mexican Coffee Market: Theory and Evidence." Department of Food and Resource Economics Staff Paper SP 01-05, May 2001.
29. Adams, Damian C., Richard L. Kilmer, Charles B. Moss, and Andrew Schmitz. "Valuing Catastrophic Losses for Perennial Agricultural Crops: Citrus as a Model." *Proceedings of the Florida State Horticultural Society* 116(2003): 286-8.
30. Lambert, David K., Eric A. DeVuyst, and Charles B. Moss. "The Expected Value of Genetic Information in Livestock Feeding." *Agribusiness & Applied Economics Report No. 576*, January 2006.

#### *Professional Presentations*

1. Moss, Charles B., Allen M. Featherstone, and Timothy G. Baker. "Stocks, Bonds, Bills, and Farm Assets: A Portfolio Approach." American Agricultural Economics Association Meetings, Reno, Nevada, August 1986.

2. Moss, Charles B., Timothy G. Baker, and B. Wade Brorsen. "Effects of the Macroeconomic Environment on Agricultural Prices in the Early 1980s." NC-161 Financing Agriculture in a Changing Environment: Macro, Market, Policy, and Management Issues Meetings, Denver, Colorado, October 1987.
3. Shonkwiler, J.S., Charles B. Moss, and Stephen A. Ford. "An Empirical Model of U.S. Agricultural Debt." American Agricultural Economics Association Meetings, Knoxville, Tennessee, August 1988.
4. Moss, Charles B. and J.S. Shonkwiler. "Effects of Government Payments to Farmers on Real Agricultural Asset Values." American Agricultural Economics Association Meetings, Knoxville, Tennessee, August 1988.
5. Moss, Charles B. and Allen M. Featherstone. "An Empirical Investigation of Risk Diversification Opportunities Within the Farm Credit System." Regional Committee NC-161 Financing Agriculture in a Changing Environment: Macro, Market, Policy, and Management Issues Meetings, McClean, Virginia, October 1988.
6. Muraro, Ronald, Charles B. Moss, and William G. Boggess. "Change in Tax Distortions Between the 1982 and 1986 U.S. Tax Codes: A Case Study of Investment in Orange Groves." Southern Agricultural Economics Association Meetings, Nashville, Tennessee, February 1989.
7. Featherstone, Allen M. and Charles B. Moss. "The Economics Efficiency of Diversification: Certainty Equivalence and the Mean-Variance Model." Southern Agricultural Economics Association Meetings, Nashville, Tennessee, February 1989.
8. Moss, Charles B. and P.J. van Blokland. "Debt Choice and Marketing Instruments: The Case of Frozen Concentrated Orange Juice." Southern Agricultural Economics Association Meetings, Nashville, Tennessee, February 1989.
9. Castejon, Mario, Charles B. Moss, and Stephen A. Ford. "Effect of Debt Position the Choice of Marketing Strategies for Florida Orange Growers." American Agricultural Economics Association Meetings, Baton Rouge, Louisiana, August 1989.
10. Moss, Charles B. and J. S. Shonkwiler. "An Empirical Investigation of the Effect of Risk in Agriculture on the Interest Rate on Farm Credit System Bonds." American Agricultural Economics Association Meetings, Baton Rouge, Louisiana, August 1989.
11. Moss, Charles B., Nicholas G. Kalaitzandonakes, and Timothy G. Taylor. "Risk Corrected Efficiency Measures." American Agricultural Economics Association Meetings, Vancouver, British Columbia, August 1990.
12. Shonkwiler, J. S. and Charles B. Moss. "Misery in Agriculture." Southern Agricultural Economics Association Meetings, Fort Worth, Texas, February 1991.
13. Pana, Regina, Richard N. Weldon, and Charles B. Moss. "An Economic Assessment of the Benefit of 180o Caps for Orange Trees in Florida." Southern Agricultural Economics Association Meetings, Fort Worth, Texas, February 1991.
14. Moss, Charles B. "The Cost Price Squeeze in Agriculture: An Application of Cointegration." Southern Agricultural Economics Association Meetings, Fort Worth, Texas, February 1991.

15. Moss, Charles B., Octavio A. Ramirez, and William G. Boggess. "Modeling Nonnormality in Multivariate Distributions Using an Inverse Hyperbolic Sine Transformation to Normality." Regional Committee S-232 Quantifying Long Run Agricultural Risks and Evaluating Farmer Responses Meeting, San Antonio, Texas, March 1991.
16. Weldon, Richard N., Charles B. Moss, and Reginald Blackman. "An Empirical Investigation of Systematic Risk in Agribusiness." American Agricultural Economics Association Meetings, Manhattan, Kansas, August 1991.
17. Moss, Charles B. and J. S. Shonkwiler. "Modeling Yield with Stochastic Trend and Nonnormal Errors." American Agricultural Economics Association Meetings, Manhattan, Kansas, August 1991.
18. Moss, Charles B. "An Empirical Examination of Premia or Discounts on Agribusiness Stocks." Presented to the Research Deans, University of Florida, 1991.
19. Moss, Charles B. and James L. Seale, Jr. "The Overshooting Hypothesis: Are Agricultural Exports More Sensitive?" International and Development Economics Workshop, University of Florida, Gainesville, Florida, February 1991.
20. Moss, Charles B. "Financing Agriculture Under Changing Environmental Regulations: A Discussion of the Emerging Teaching and Research Agenda." American Agricultural Economics Association Meetings, Manhattan, Kansas, August 1991.
21. Moss, Charles B., Richard N. Weldon, Robert D. Emerson, and P.J. van Blokland. "Systematic and Nonsystematic Risk in the Farm Credit System Cost of Capital." Southern Agricultural Economics Association Meetings, Lexington, Kentucky, February 1992.
22. Moss, Charles B. and William G. Boggess. "New Procedures in Modeling Risk: Nihil Novum Sub Sol Est (Nothing Is New Under the Sun)." Regional Committee S-232 Quantifying Long Run Agricultural Risk and Evaluating Farmer Response to Risk Meetings, Orlando, Florida, March 1992.
23. Moss, Charles B. and William G. Boggess. "Methods for Modeling Variability When Nonnormality is Important." Invited Paper Presented at the Western Agricultural Economics Association Meetings, Colorado Springs, Colorado, July 1992.
24. Gao, Xiaoming, Charles B. Moss, Henri Theil, and Dave D. Weatherspoon. "The Development of the GDP's of the G-7 Countries, 1950-88." Symposium on International Comparison of Price Structures and Their Influence on Productivity and Growth, Miami, Florida, July 1992.
25. Seale, James L., Jr. and Charles B. Moss. "Macroeconomics, Exchange Rates and the Overshooting Hypothesis: Relative Effects on U.S. Agricultural and Nonagricultural Exports." Contributed paper at the International Symposium on Economic Modelling, co-sponsored by the University of Goteborg, the European Economics and Financial Centre, London, and the Book Series, International Studies in Economic Modelling, Goteborg, Sweden, August 1992.
26. Moss, Charles B. and David Mulkey. "Measuring Regional Income Variation: An Entropy Approach." North American Regional Sciences Association Meeting, Chicago, Illinois, November 1992.

27. Moss, Charles B. and Timothy G. Baker. "Risk and Efficiency of Financial Intermediaries." Regional Committee NC-207 Regulatory, Efficiency and Management Issues Affecting Rural Financial Markets Meetings, Minneapolis, Minnesota, September 1993.
28. Mulkey, David and Charles Moss. "Changing Regional Income Inequality in a Rapidly Growing State." North American Regional Sciences Association Meetings, Houston, Texas, November 1993.
29. Chance, Sean, Richard Weldon, and Charles Moss. "Option Pricing Assessment of the Columbia Farm Credit System District." Southern Agricultural Economics Association Meetings, Nashville, Tennessee, February 1994.
30. Moss, Charles B. "A Nonparametric Approach to Regional Development: Graphics and Topology." Southern Regional Sciences Association Meetings, Orlando, Florida, April 1994.
31. Moss, Charles B., Amy P. Pagano, and William G. Boggess. "Ex Ante Modeling of the Effect of Irreversibility and Uncertainty on Citrus Investment." Regional Committee S-232 Quantifying Long Run Agricultural Risks and Evaluating Farmer Response to Risk Meetings, Gulf Shores, Alabama, 1994.
32. Moss, Charles B., Timothy G. Taylor, and Dongling Chen. "Misspecification and the Empirical Evaluation of Curvature Restrictions." American Agricultural Economics Association Meetings, Indianapolis, Indiana, August 1995.
33. Taufik, Tantang A., Charles B. Moss, and Thomas H. Spreen. "Evidence of Noncooperative Differential Duopolies in the Market for Orange Juice." International and Development Workshop, University of Florida, Gainesville, Florida, November 1995.
34. Schmitz, Andrew and Charles B. Moss. "Aggregate Evidence of Boom/Bust Cycles in Domestic Agriculture." Department of Applied Economics and Statistics, University of Nevada, Reno, Nevada, January 1996.
35. Moss, Charles B., Timothy G. Taylor, and James L. Seale, Jr. "Informational Estimates of a Translog Cost Function." Department of Applied Economics and Statistics, University of Nevada, Reno, Nevada, January 1996. This paper was also presented at the Department of Agricultural Economics, Kansas State University, Manhattan, Kansas, February 1996.
36. Greene, Gretchen, Charles B. Moss, and Eric Thunberg. "Estimation of Recreational Anglers' Value of Reef Fish in the Gulf of Mexico." Southern Agricultural Economics Association Meetings, Greensboro, North Carolina, February 1996.
37. Schmitz, Andrew and Charles B. Moss. "Aggregate Evidence of Boom/Bust Cycles in Domestic Agriculture." American Agricultural Economics Association Meetings, San Antonio, Texas, August 1996.
38. Moss, Charles B., J.S. Shonkwiler, and Andrew Schmitz. "A Historical Examination of Certainty Equivalence for Agricultural Asset: 1910-1992." American Agricultural Economics Association Meetings, San Antonio, Texas, August 1996.
39. Moss, Charles B. "Internet Resources for Farm Managers and Rural Appraisers." Annual Meeting of the Florida Society of Farm Managers and Rural Appraisers, Gainesville, Florida, March 1997.

40. Moss, Charles B. "Analysis of Changes in Agricultural Water Demand in Northwest Florida: A Methodological Proposal." Department of Agricultural and Resource Economics, Oregon State University, Corvallis, Oregon, May 1997. This paper was also presented at the Northwest Florida Water Management District, Midway, Florida, April 1997.
41. Moss, Charles B. "Internet Resources for AEB 6533." Faculty Workshop organized by the IFAS Taskforce on Technology-assisted Graduate Instruction, University of Florida, May 1997.
42. Moss, Charles B., Andrew Schmitz, and Kenneth Erickson. "The Effect of Changes in Asset Values on Solvency in the Farm Sector: An Informational Approach." Department of Agricultural and Resource Economics, University of California—Berkeley, Berkeley, California, May 1997.
43. Moss, Charles B. and Andrew Schmitz. "A Reexamination of the Portfolio Effects of Domestic Farmland." Department of Applied Economics and Statistics, University of Nevada, Reno, Nevada, May 1997.
44. Moss, Charles B. "Three Stylized Facts Regarding Farmland Values." Department of Agricultural and Resource Economics, Oregon State University, Corvallis, Oregon, May 1997. This paper was also presented at the Department of Agricultural Economics, University of California—Davis, Davis, California, May 1997.
45. Zanzig, Blair, Charles B. Moss, and Andrew Schmitz. "Natural Disasters and the Yield Curve of Florida Valencias." Western Agricultural Economics Association Meetings, Reno, Nevada, July 1997.
46. Moss, Charles B. and Andrew Schmitz. "Boom/Bust Cycles in Domestic Farmland Prices: Present Value Formulation Under Rational and Adaptive Expectations." American Agricultural Economics Association Meetings, Toronto, Ontario, Canada, July 1997.
47. Seale, James L., Jr., Charles B. Moss, and Allen M. Featherstone. "The Effect of Changes in Structure on the Cost of Capital in Agriculture: A Differential Approach." Southern Agricultural Economics Association Meetings, Little Rock, Arkansas, February 1998.
48. Greene, Gretchen, Charles B. Moss, and Thomas Spreen. "Measuring the Gains from Market-Based Reforms: The Case of the Sugar Industry in Veracruz Mexico." Southern Agricultural Economics Association Meetings, Little Rock, Arkansas, February 1998.
49. Moss, Charles B. and Timothy G. Baker. "Cross-Section Evidence of the Risk-Balancing Debt Formulation." Southern Agricultural Economics Association Meetings, Little Rock, Arkansas, February 1998.
50. Moss, Charles B. and Andrew Schmitz. "A Reexamination of the Portfolio Effects on Domestic Farmland." Southern Agricultural Economics Association Meetings, Little Rock, Arkansas, February 1998.
51. Moss, Charles B. "The Shut-down Cost for Florida Citrus: You Pick the Number" Graduate Student Seminar Series, Department of Agricultural Economics, University of Georgia, March 1998.
52. Moss, Charles B. "An 'S-Shaped' Yield Curve for Florida Valencias." DISC Working Group, Lake Alfred, Florida, June 1998.

53. Moss, Charles B. "The Economics of Precision Agriculture" Farming for Profit II, Moose Jaw, Saskatchewan, June 1998.
54. Chung, Rebecca, Charles B. Moss, Jong-Ying Lee, and Mark Brown. "Demand for Nutrients: The Household Production Approach." American Agricultural Economics Meetings, Salt Lake City, Utah, August 1998.
55. Moss, Charles B. "A Semiparametric Estimator of the Zellner Production Function for Corn: Fitting the Univariate Primal." Presented at the University of Nevada, Reno Nevada, March 1999.
56. Moss, Charles B. and Chris de Bodisco. "Agricultural and Trade Policy under Administrative Water Regimes." Presented at the Berkeley-Florida Conference on Agricultural Globalization, Trade and the Environment, Berkeley California, March 1999.
57. Schmitz, Troy G. and Charles B. Moss. "Investing in Precision Agriculture." Presented at Texas A & M University, College Station, Texas, May 1999.
58. Moss, Charles B. "Concentration In Commercial Bank Lending In Agriculture: Economies Of Scale Versus Market Power." Presented to the United States Department of Agriculture, Economic Research Service, Washington DC, May 1999.
59. Moss, Charles B., Kenneth Erickson, and Larry Perruso. "Spatial Information in Land Values: An Entropy Approach." Presented to the United States Department of Agriculture, Economic Research Service, Washington DC, May 1999.
60. Moss, Charles B. "Evaluation of Marketing Instruments for Coffee Production in Vera Cruz: Implementing Stochastic Dominance with Limited Data." Presented at the University of Vera Cruz, Jalapa, Mexico, July 1999.
61. Dumas, Christopher F., Charles B. Moss and Andrew Schmitz. "Carbon Sequestration, Tradable Permits, and Climatic Change." Presented at the University of California, University of Florida, USDA Conference on Climate Change, Gainesville Florida, September 1999.
62. Moss, Charles B. and Andrew Schmitz. "The Changing Agenda for Agribusiness: Sweetener Alliances in the 21st Century." Presented at the University of Florida Conference on the Sugar Industry in the 21st Century, Miami Florida, November 1999, also presented in Thebidoux Louisiana, December 1999.
63. Moss, Charles B. "Knowing the Value of Coffee: Institutional Design and the Value of Information" Presented at a Videoconference, University of Veracruz, Jalapa, Mexico, January 2000.
64. Moss, Charles B. "Tradeable Permits And Agricultural Sequestration Of Carbon" Sixth Annual Farming for Profit Conference, Moose Jaw, Saskatchewan June 2000.
65. Moss, Charles B. "Significance of Information Cost: Rents in the Vertical Marketing Channel" Presented at the University of Saskatchewan, Saskatoon, Saskatchewan, June 2000.
66. Moss, Charles B. "Implementation of Stochastic Dominance: A Nonparametric Kernel Approach." Presented at the University of Chapingo, Postgraduate Institute of Agriculture, Chapingo, Mexico, July 2000.
67. Moss, Charles B. and Andrew Schmitz. "Vertical Integration and Trade Policy: The Case of Sugar." Presented at the AAEA Annual Meetings in Tampa Florida, August 2000.

68. Moss, Charles B. and Andrew Schmitz. "Coalitions and Competitiveness: Why Sweetener Markets Fail." "Challenging the Agricultural Economics Paradigm" A symposium honoring the career of Luther G. Tweeten, Anderson Professor of Agricultural Marketing, Trade and Policy Ohio State University, September 2000.
69. Moss, Charles B. "The Economics of Product Separation: Implications for GMOs." Presented to the Department of Agricultural Economics, University of Saskatchewan, Saskatoon, June 2001.
70. Moss, Charles B., Ashok K. Mishra, Kenneth Erickson, and Richard Nehring. "Valuing Farmland: Spatial Productivity Differences and Financial Solvency." Presented at the Joint EU/OECD/FAO/Eurostat Conference on Agricultural Statistics in Geneva Switzerland, October 2001.
71. Moss, Charles B. "Institutions and International Competitiveness: Implications of the New Theory of the Firm." Presented at the International Agricultural Trade and Policy Center Conference at Gainesville Florida, November 2001.
72. Moss, Charles B. and Andrew Schmitz. "New Institutional Economics, Bureaucratic Rent Seeking, and the Potential Role of State Trading Enterprises in Coffee Markets" Presented at the XVI International Congress in Agribusiness held at Autonomous University of San Lois Potosi, May 2002.
73. Featherstone, Allen M. and Charles B. Moss. "Capital Markets, Land Values, and Boom-Bust Cycles" Presented at Government Policy And Farmland Markets: Implications For The New Economy in Washington, D.C., May 2002.
74. Moss, Charles B., Troy G. Schmitz, Albert Kagan, and Andrew Schmitz. "New Institutional Economics, Schumpeter and the Emergence of the Internet in Agriculture: Fad or Innovation?" Presented at the International Conference on Financial Engineering, e-Commerce & Supply Chain, and Strategies of Development in Piraeus Greece, June 2002.
75. Moss, Charles B. Troy G. Schmitz, and Andrew Schmitz. "Differentiating GMOs and Non-GMOs in a Marketing Channel." Presented at the International Consortium on Agricultural Biotechnology Research in Ravello Italy, July 2002 and at the International Agricultural Trade Consortium Meeting in Tucson Arizona, December 2001.
76. Moss, Charles B. "Estimating Western Farmland Values: The Effect Of Return On Assets, Productivity Growth And Urbanization Over Time" Invited Paper at the Western Agricultural Economics Association Annual Meetings in Long Beach California, July 2002.
77. Moss, Charles B., Andrew Schmitz, and David Orden. "Mexico's Antidumping Regime Against High Fructose Corn Syrup from the United States" Presented at the Conference on International Agricultural Trade Disputes: Case Studies in North America in Gainesville Florida, March 2003.
78. Moss, Charles B. "Risk Management in Livestock Production." Tenth Annual Farming for Profit Conference, Moose Jaw, Saskatchewan June 2003.
79. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "GMOs and the Demand for GMOs in International Markets." Presented at the Western Economic Association Meetings in Denver, Colorado July 2003.

80. Erickson, Kenneth W., Charles B. Moss, Richard F. Nehring, and V. Eldon Ball. "A Translog Cost Function Analysis of U.S. Agriculture 1948-1999." Presented at the Western Agricultural Economics Association annual meetings in Denver, Colorado July 2003.
81. Moss, Charles B., Kenneth W. Erickson, V. Eldon Ball, and Ashok K. Mishra. "A Translog Cost Function Analysis of U.S. Agriculture: A Dynamic Specification." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
82. Erickson, Kenneth W., Charles B. Moss, Richard F. Nehring, and V. Eldon Ball. "Modeling Supply Response in a Multiproduct Framework Revisited: The Nexus of Empirics and Economics." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
83. Mishra, Ashok K., Charles B. Moss, and Kenneth W. Erickson. "Valuing Farmland with Multiple Quasi-Fixed Inputs." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
84. Gray, Richard, Charles B. Moss, and Andrew Schmitz. "What is Corn? Rights to Use Commodity Names, Genetically Modified Organisms, and the Lemons Problem." Presented at the Conference on the Role of GMOs in Trade Disputes held in San Antonio, Texas October 2003.
85. Moss, Charles B. "Valuing State Level Funding for Research: Results for Florida." Presented as part of the Food and Resource Economics Department at the University of Florida's J. Wayne Reitz Seminar Series, March 2004.
86. Mishra, Ashok K., Charles B. Moss, and Kenneth Erickson. "Effect of Debt Solvency on Farmland Values: A Panel Cointegration Approach." Presented at the American Agricultural Economics Association annual meeting in Denver Colorado, July 2004.
87. Troy G. Schmitz, Andrew Schmitz, and Charles B. Moss "Two Approaches to Measuring the Economic Impact of StarLink Corn on U.S. Producers." Presented at the American Agricultural Economics Association annual meetings in Denver, Colorado July 2004.
88. Moss, Charles B. and Ani Katchova "Farmland Valuation and Asset Performance." Invited paper at the Agricultural and Rural Finance Markets in Transition Pre-Conference, American Agricultural Economics Association annual meetings in Providence, Rhode Island, July 2005.
89. Marcu, Mihaela and Charles B. Moss "The Effect of Consumption Based Taxes on Agriculture in the United States." Presented at the American Agricultural Economics Association annual meeting in Providence, Rhode Island, July 2005.
90. Livanis, Grigorios and Charles B. Moss "Price Transmission and Food Scares in the U.S. Beef Sector." Presented at the American Agricultural Economics Association annual meetings in Providence, Rhode Island, July 2005.
91. Schmitz, Andrew, Charles B. Moss, and Troy G. Schmitz "A Differential Examination of the Effect of Mandatory Country of Origin Labeling on the Beef Sector." Presented at the American Agricultural Economics Association annual meeting in Providence, Rhode Island, July 2005.

92. Moss, Charles B., Ashok K. Mishra, and Kenneth Erickson "Next Year on the U.S. Farmland Market: An Informational Approach." Presented at the American Agricultural Economics Association annual meetings in Providence, Rhode Island, July 2005.
93. Moss, Charles B., Ashok K. Mishra, and Timothy G. Baker "Debt-Equity Structure and Risk Balancing by Farm Businesses." Presented at the annual meeting of the Regional Research Committee NC-1014: Agricultural and Rural Financial Markets in Transition, Minneapolis, Minnesota October, 2005.
94. Moss, Charles B. and Grigorios Livanis. "Urban Sprawl and Farmland Prices: Implications for Productivity Measurement." Department of Agricultural Economics, Michigan State University, October 2005.
95. Pierre, Raphael, Thomas H. Spreen, and Charles B. Moss. "Invasive Species and Bio-Security: Cost of Monitoring and Controlling Mediterranean Fruit Flies in Florida." Invited Paper Presentation at the Southern Agricultural Economics Association Meetings in Orlando, Florida February 2006.
96. Javelosa, Josyline C., Charles B. Moss, and Andrew Schmitz. "Derived Demand for Food Nutrients as Welfare Indicator of Biofortified Crops." Contributed Paper at the Southern Agricultural Economics Association Meetings in Orlando, Florida February 2006.
97. Salois, Matthew J. and Charles B. Moss. "Estimation of Production Functions Using Average Data." Contributed Paper at the Southern Agricultural Economics Association Meetings in Orlando, Florida February 2006.
98. Javelosa, Josyline C., Charles B. Moss, James L. Seale, Jr., and Andrew Schmitz. "Measuring the Potential Payoffs from Biofortified Crops: The Case of High-Iron Rice in the Philippines." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.
99. Oehmke, James and Charles B. Moss. "Does Total Factor Productivity for Agriculture have Common Trends: Implications of the Cointegration Formulation?" Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.
100. Livanis, Grigorios and Charles B. Moss. "Measuring the Impact of Urban Pressure on Agricultural Productivity and Competitiveness." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.
101. Moss, Charles B. and Andrew Schmitz. "Vertical Integration and Contracting in Specialized Agriculture: Implications for International Trade." Contributed Paper at the International Trade and Resource Consortium Meeting, St. Petersburg, Florida, December 2006.
102. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "Intellectual Property Rights and the Multinational Firm: The Case of High Valued Agriculture." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1034 Berkeley, California, March 2007.

103. Moss, Charles B. "The Effect of E-Commerce on Rural Communities: Manna, Mayhem, or Minutia." E-Commerce Strategies for Small Business and Communities – A Rollout of New Extension Education Curricula, Southern Rural Development Center, Nebraska City, Nebraska, June 2007.
104. Moss, Charles B. "Ethanol and other Biofuels – Good Deal or Just a Deal?" 14<sup>th</sup> Annual Moose Jaw Conference, Moose Jaw, Saskatchewan, June 21-22, 2007.
105. Moss, Charles B., Ashok K. Mishra, and Grigorios Livanis. "Impact of Capital Gains and Urban Pressure on Farmland Values: A Spatial Correlation Analysis." Selected Paper Presented at the American Agricultural Economics Association Meetings in Portland, Oregon, July 30-31, 2007.
106. Flores-Lagunes, Alfonso and Charles B. Moss. "State-Level Evidence of the Boom/Bust Cycle for Farmland." Annual Meeting of NC-1014 Agricultural and Rural Finance Markets in Transition, St. Louis, October 4-5, 2007.
107. Gunderson, Michael and Charles B. Moss. "The Effect of Diversification on Agricultural Returns and Volatility: An Information Approach." Annual Meeting of NC-1014 Agricultural and Rural Finance Markets in Transition, St. Louis, October 4-5, 2007.
108. Moss, Charles B. "Farmland Values and Agricultural Capital Markets: Coming Around Full Circle." Department of Agricultural Economics, Purdue University, January 18, 2008.
109. Salois Matthew J. and Charles B. Moss. "Evidence of Hyperbolic Discounting in a Panel of U.S. Agriculture." Selected Paper Presented at the Southern Agricultural Economics Association Meetings in Dallas, Texas, February 3-5, 2008.
110. Moss, Charles B. and Andrew Schmitz. "Will the Troubles in the Housing Market affect Farmland Values?" Department of Agricultural Economics and Agribusiness, Louisiana State University, Baton Rouge, Louisiana, April 30, 2008.

### Classes Taught

- AEB 4141**–*Agribusiness Financial Management*. This course requires the student to solve financial and other management problems faced by agricultural firms and agribusinesses. The course is intended as a capstone for which students are required to integrate material from their entire program into the financial decision-making process.
- AEB 4511**–*Quantitative Analysis in Food and Resource Economics*. The purpose of this course is to further develop the student's mathematical skills emphasizing those techniques utilized in economics.
- AEB 6145**–*Agricultural Finance*. Principles of firm financial management, financial markets, financial institutions, capital markets, firm growth, and analysis. The course emphasizes financial markets and application of financial principles.
- AEB 6182**–*Agricultural Risk Analysis and Decision Making*. This course is a review of the conceptual framework and research methods for the analysis of decision making under risk by agricultural producers. The course covers expected utility theory, risk programming, stochastic dominance, and dynamic decision models.

- AEB 6184**–*Production Economics*. The purpose of this course is to introduce students to the standard theoretical and empirical models used in the investigation of firm level production decisions.
- AEB 6533**–*Static and Dynamic Optimization*. This course, which focuses on optimization theory and methods, is one of the core requirements in the department’s Ph.D. program. The applied basis of numerical optimization, including the development of classical optimization theory, is reviewed during the first half of the course, and the dynamic principal of optimality is covered in the second half.
- AEB 6592**–*Mathematical Programming in Agricultural Economics*. This course is intended to introduce the student to optimization techniques and modeling in agricultural economics. Completion of the course should enable the student to solve numerical optimization problems with and without computer support. Further, the student will be introduced to how these optimization models have been used in agricultural economics.
- AEB 6933**–*Quantitative Analysis in Food and Resource Economics*. This course is a review of mathematical techniques that are typically applied in economics, such as multivariate calculus, linear algebra, differential equations, and real analysis.
- AEB 6933**–*Statistics for Food and Resource Economics*. This course develops statistical foundations that will be used in microeconomic theory, econometrics, production economics, and financial economics. The development focuses primarily on the mathematical formulation of statistics.
- AEB 6933**–*Dynamic Agricultural Economics*. This course provided the students an overview of dynamic techniques in agricultural economics including simulation, optimal control, and dynamic programming.
- AEB 6933**–*Applied Econometrics Seminar*. This course, related to current departmental work on advanced econometrics with Henri Theil, was a special topics course offered to students. The seminar focused on the use of informational estimators, parameterization problems arising from the application of maximum likelihood assuming normality in small samples, and income inequality
- FIN 6446** - *Financial Theory I*. This is the first course in the Ph.D. financial theory section offered in the Business School. The purpose of this course is to acquaint the student with basic principles of finance theory emphasizing the theory of the firm’s investment and financing decisions. To accomplish this goal, this course will focus on basic concepts of decision making under risk, market efficiency, asset pricing, capital structure and dividend policy.

### Students Supervised

1. Dave D. Weatherspoon (Co-Chair) “Cross Country Convergence of Gross Domestic Products and Associated Factors: A Cointegration Approach.” Ph.D. December 1993.
2. Sri Devi Deepak (Co-Chair) “Human Capital, Convergence, and Income Inequality.” Ph.D. August 1995.
3. Gretchen Greene (Co-Chair) “Angling in Tampa Bay: A Nested Random Utility Model of Nonmarket Demand for Marine Recreational Fishing.” M.S. August 1995.

4. Gretchen Greene (Co-Chair) "Transitions in the Mexican Sugar Industry." Ph.D. August, 1998.
5. Gustavo Adolfo Guerra Galindo (Thesis Advisor) "Mathematical Model for Theory of Games in the Coffee Market of Coatepec, Veracruz." Ph.D. (Universidad Autonoma Chapingo) September, 2000.
6. Grigorios Livanis "The Differential Production Model with Quasi-Fixed Inputs: A Panel Data Approach to U.S. Banking." Ph.D. August, 2004.
7. Chris de Bodisco (Thesis Advisor) "The Regional Value of Water in Agriculture." Ph.D. (Vanderbilt University) August 2007.
8. Lan Cheng "A Hyperbolic Tangent Yield Function of Florida Citrus." M.S. August 2007.

### **Grants**

1. National Needs Fellowship. USDA, 1992-95, PI, \$162,000.
2. Recreational Demand for Reef fish. National Marine and Fisheries Service, 1992-94, Co-PI, \$40,000.
3. Dynamic Supply of Florida Valencias. Florida Dept. of Citrus, 1992-94, PI, \$10,000.
4. Projected Water Demand by Agriculture in the Northwest Florida Water Management District. Northwest Florida Water Management District, 1997-98, PI, \$37,057.
5. Irrigation Projections in Georgia's ACT/ACF Basin: 1995-2020. Northwest Florida Water Management District, 1998-99, PI, \$5,000.
6. Estimation of Household Water Demand in Northeast Florida: Implications of Drought and Population Growth – Saint Johns River Water Management District May 1999-April 2000, PI, \$15,000.
7. Crop Patterns and Water Use Under Free Trade – USDA/NRI August 1999-July 2000, Co-PI, \$63,000.
8. Competitiveness in Agricultural Credit Markets – USDA/NRI August 1999-July 2000, PI, \$37,000
9. Measurement of the Agricultural Land Input in Production Accounts – USDA/ERS August 1999-July 2000, PI, \$10,000.
10. Coalitions and International Competitiveness: The Case of U.S. Sugar Policy – USDA/NRI July 2001-June 2002, Co-PI, \$55,000.
11. Conference on Government Policy and Farmland Markets: Implications of the New Economy – USDA/NRI July 2001-June 2002, PI, \$10,000.
12. Estimation of the Economic Effect of Africanized Honey Bees using Secondary Data – Florida Department of Agriculture and Consumer Services January 2007-June 2007, PI, \$13,000.

### **Awards**

- American Agricultural Economics Association Quality of Research Discovery Award, 2007  
(with Grigorios Livanis, Vincent Breneman, and Richard Nehring)
- Outstanding Journal Article 2006 *Journal of Agricultural and Resource Economics* (with Steven C. Blank and Kenneth W. Erickson)
- Outstanding Research Program 2003-2004, Food and Resource Economics Department

Preferred Assistantship Purdue University, 1984

### **Professional Societies**

American Agricultural Economics Association  
American Economics Association  
Gamma Sigma Delta  
Southern Agricultural Economics Association  
Western Agricultural Economics Association

## References

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