

Curriculum Vitae

Timothy J. Dalton

Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet
Department of Agricultural Economics
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1. Present Position

Director, Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet
7/2013-present

Associate Professor, 1/2008-present
Department of Agricultural Economics, Kansas State University

2. Education

Ph.D., Agricultural Economics, 1996
Purdue University
Specialization in Production Economics and Natural Resources
Dissertation Title: "Soil Degradation and Technical Change in Southern Mali"
Major Advisor: William A. Masters.

M.S. Agricultural Economics, 1992
University of Illinois at Urbana-Champaign
Thesis Title: "Sustainable Crop Production Systems for West Africa"
Major Advisor: Gerald Nelson.

A.B., History, 1988
Columbia University

3. Professional Experience

External Evaluator
Programme du Baccalauréat en Agroéconomie
Université Laval
Laval, Québec
4/2014

Research Management Committee member
CGIAR Research Program on Dryland Cereals, ICRISAT, Hyderabad, India
8/2013-present

High-Value Products Committee member
United Sorghum Checkoff Program, Lubbock, Texas
1/2014-present

External Advisory Panel member
Feed the Future Innovation Lab for Collaborative Research on Peanuts and Mycotoxins
6/2013-4/2014

Team Leader. External Evaluation of the AquaFish Collaborative Research Support Program.
USAID/BFS. March 2012-June 2012.

Team Leader. External Evaluation of the Peanut Collaborative Research Support Program.
USAID/BFS. December 2012-February 2012.

Member, Council on Food, Agriculture and Resource Economics “Blue Ribbon Panel on
Development.” July 2011-present.

Associate Editor, *American Journal of Agricultural Economics*, 2006-2009

Associate Professor, 2005 to 2007
Assistant Professor, 1999 to 2005
Department of Resource Economics and Policy, University of Maine, Orono, Maine

Visiting Scientist, October 2006-June 2007
Agricultural and Development Economics Division
Food and Agriculture Organization of the United Nations
Rome, Italy

Production Economist, 1996 to 1999
West Africa Rice Development Association (*now* Africa Rice Center), Bouaké, Côte d’Ivoire

Graduate Research Assistant, 1992 to 1996
Department of Agricultural Economics, Purdue University, West Lafayette, IN
Visiting Researcher, 1995
Institut d’Economie Rurale, ESPGRN, Sikasso, Mali

4. Awards, Fellowships and Honors

Second Place. T.W. Schultz Outstanding Contributed Paper Competition for Young Economists.
“A Hedonic Model of Rice Traits: Economic Values from Farmers in West Africa.” 25th
International Conference of the International Association of Agricultural Economists, Durban
South Africa, August 2003.

Biographical entry. *Who’s Who in America*. 60th Anniversary Edition. New Providence, NJ:
Marquis Publishing, 2005-present.

1998 Council of Graduate Schools/University Microfilms International Distinguished Dissertation Award in the Social Sciences, Purdue University nomination

Outstanding Ph.D. Dissertation Award, 1996. Department of Agricultural Economics, Purdue University

Joint Committee on African Studies of the Social Science Research Council and the American Council of Learned Societies Predissertation Fellow, 1993

Midwestern Universities Consortium on International Agriculture, International Development and Education Fellow in Washington, D.C., 1993

University of Illinois Graduate College Thesis Research Grant, 1991

Conference Travel Award from the African Studies Center at the University of Illinois, 1991

5. Publications and Reports

A. Articles in peer-reviewed professional journals

Regier, G. and T.J. Dalton. 2014. Labor-savings of Roundup Ready Maize: Impact on Cost and Input Substitution for South African Smallholders. *African Journal of Agricultural and Resource Economics*. 9(3): 200-213.

Dalton, T.J., I. Yahaya and J. Naab. 2014 Perceptions and performance of conservation agriculture practices in northwestern Ghana. *Agriculture, Ecosystems and the Environment*, 187: 65-71. Available: <http://dx.doi.org/10.1016/j.agee.2013.11.015>

Regier, Gregory K., Timothy J. Dalton and Jeffrey R. Williams. 2012. "Impact of Genetically Modified Maize on Smallholder Risk in South Africa. *AgBioForum* 15(3): 8. Available: <http://www.agbioforum.org/v15n3/v15n3a08-regier.htm>

Asfaw, S., Lippers, L. Dalton, T. and P. Audi. 2012. Market participation, on-farm crop diversity and household welfare: micro-evidence from Kenya. *Environment and Development Economic* volume 17(05): 579-601. Available online: <http://dx.doi.org/10.1017/S1355770X12000277>

Dalton, Timothy J., N. K. Lilja, N. Johnson, R. Howeler. 2011. Farmer Participatory Research and Soil Conservation in Southeast Asian Cassava Systems. *World Development*. 39(12): 2176-2186.

Teisl, Mario, Mark W. Anderson, Caroline Noblet, George K. Criner, Jonathan Rubin and Timothy Dalton. 2011. Are Environmental Professors Unbalanced? Evidence from the Field. *Journal of Environmental Education*. 42(2): 67-83.

Bell, Kathleen P. and Timothy J. Dalton. 2007. "Spatial Economic Analysis in Data-Rich Environments." *Journal of Agricultural Economics*, 58(3): 487-501.

McCann, J., T.J. Dalton, and M. Merkuria. 2006. "Breeding for Africa's New Maize Paradigm" *International Journal of Agricultural Sustainability* 4(2): 99-107.

- Hoshide, Aaron K., Timothy J. Dalton, Stewart N. Smith. 2006. "Profitability of Coupled Potato and Dairy Farms in Maine." *Renewable Agriculture and Food Systems*. 21(4): 261-272
- Maskey, Vishakha, T.G. Gebremedhin, and T. J. Dalton. 2006. "Social and Cultural Determinants of Collective Management of Community Forest in Nepal." *Journal of Forest Economics*. 11: 261-274.
- Dalton, Timothy J. 2004. "A Household Hedonic Model of Rice Traits: Economic Values from Farmers in West Africa." *Agricultural Economics*. 31(2/3): 149-159.
- Dalton, Timothy J., G. A. Porter and N. Winslow. 2004. "Risk Management Strategies in Humid Production Regions: A Comparison of Supplemental Irrigation and Crop Insurance." *Agricultural and Resource Economics Review*. 33(2): 220-232.
- Bragg, Lisa A. and Timothy J. Dalton. 2004. "Factors Affecting the Decision to Exit Dairy Farming: A Two-stage Regression Analysis." *The Journal of Dairy Science*. 87: 3092-3098.
- Dalton, Timothy J., Kate M. Waning and Linda Kling. 2004. "Risk Efficient Juvenile Haddock Production Systems: An Ex-ante Recursive Stochastic Approach" *Aquaculture Economics and Management*. 18(1/2): 41-60.
- Dalton, Timothy J. and Kate M. Waning. 2004. "Cold-water Marine Aquaculture in Maine: Current Impact and Ex-Ante Potential." *The Journal of Applied Aquaculture* 15(1/2): 99-118.
- Dalton, Timothy J. and R. Guei. 2003. "Productivity Gains from Rice Genetic Enhancement in West Africa: Countries and Ecologies." *World Development*, 31(2): 359-374.
- Dalton, T.J., Files, A. and Yarborough, D. 2003. "Economic Assessment of the Returns to Irrigation Investment for Wild Blueberries." *Acta Horticulturae* (626):249-257.
- Dalton, Timothy J. and David Yarborough. 2002. "The Economics of Supplemental Irrigation on Wild Blueberries: A Stochastic Cost Assessment." *Small Fruits Review*. 3(1/2): 73-86.
- Dalton, Timothy J., George K. Criner, and John Halloran. "Fluid Milk Processing Costs: Current State and Comparisons." *Journal of Dairy Science*, 85(2002): 984-991.
- Dalton, Timothy J., and William A. Masters. "Pasture Taxes and Agricultural Intensification in Southern Mali." *Agricultural Economics*, 19(1998): 27-32.
- Dalton, Timothy J., William A. Masters, and Kenneth A. Foster. "Production Costs and Input Substitution in Zimbabwe's Smallholder Agriculture." *Agricultural Economics*, 17(1997): 201-209.

B. Books and Chapters

- Lipper, L. C.L. Anderson and T.J. Dalton. 2010. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Lipper, L., T.J. Dalton, C.L. Anderson and A. Keleman. 2010. "Agricultural Markets and the Sustainable Utilization of Crop genetic Resources." Chapter 1 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Dalton, T.J., C.L. Anderson, L. Lipper and A. Keleman. 2010. "Markets and Access to Crop genetic Resources." Chapter 2 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.

- C. L. Anderson, L. Lipper T.J. Dalton et al. 2010. "Project Methodology: Using Markets to Promote the Sustainable Utilization of Crop genetic Resources." Chapter 3 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Nagarajan, L. E.D.I. Oliver King, M. Smale and T.J. Dalton. 2010. "Access to Minor Millet Genetic Resources in Rural Market Towns of Dharmapuri District, Tamil Nadu, India. Chapter 7 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Bellon, M. C.L. Anderson, L.Lipper, T.J. Dalton, A. Keleman and M. Grumm. 2010. "Synthesis: Markets, Seed Systems and Crop Diversity." Chapter 9 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Lipper, L., C.L. Anderson, T.J. Dalton and A. Keleman. 2010. "Conclusions and Policy Implications." Chapter 10 in Lipper, Anderson and Dalton. *Seed Trade in Rural Markets: Implications for Crop Diversity and Agricultural Development*. London: Earthscan.
- Dalton, Timothy J., Lilja, N., N. Johnson, and R. Howeler. "Impact of Participatory Natural Resource Management Research in Cassava-Based Cropping Systems in Vietnam and Thailand." *The Impact of Natural Resource Management Technologies*. In: Waibel, H. and D. Zilberman eds. Walingfurd (UK): CABI, 2007.
- Dalton, Timothy J. and R. Guei. "Ecological Diversity and Rice Varietal Improvement in West Africa." In Evenson, R.E. and D. Gollin eds. *Crop Variety Improvement and its Effect on Productivity: The Impact of International Agricultural Research*. Walingfurd (UK): CABI, 2003.

C. Book Reviews

- Sachs, Jeffrey D. *Common Wealth: Economics for a Crowded Planet*. New York: Penguin Press, 2008. *J. of Natural Resources Policy Research*, 1(1): 117-118.
- Ball, V. Eldon, and Norton, George W. *Agricultural Productivity: Measurement and Sources of Growth*. Boston: Kluwer Academic Publishers, 2002. *American Journal of Agricultural Economics*, 86(4): 1153-1154.

D. Monographs & other technical reports

- Dalton T.J. and G. Regier. Improved Pigeonpea Adoption, Utilization and Impact in Northern Tanzania. Report submitted to ICRISAT, September 2013.
- Dalton, T.J. 2008. Impact Analysis of Gates Foundation funded AWARD Program: A Summary brief submitted to the AWARD Steering Committee to Assist in Decisionmaking and Strategic Planning. Technical report submitted to IFPRI: Washington D.C.
- Dalton, T. J. 2008. Household Demographics and Agricultural Production Patterns in North and South Kivu: Results of a 2007 Household Level Survey. Technical report prepared for HarvestPlus: Washington D.C.
- Dalton, T. J. 2008. "Seed System Impact on Household Welfare and Agricultural Biodiversity in Hararghe Ethiopia: A Synthesis and Review of Research. FAO: ESAE Working Paper.
- Dalton, T.J. et al. 2008. "A Comparative Analysis of Organic Dairy Farms in Maine and Vermont: Farm Financial Information from 2004 to 2006." Maine Agricultural and

- Forest Experiment Station Bulletin 851, 2008.
- Dalton, T.J. and D. Udayanganie. 2007. "Spatial Association among Peasant Groups in the Hararghe Region of Ethiopia." Rome: FAO ESAE Working Paper.
- Dalton, T.J., L. Lipper and R. Cavatassi. 2007. "Seed Systems, household Welfare and Crop Genetic Diversity in Three Woredas of Ethiopia: Household and Plot-level Descriptive Statistics." Rome: FAO ESAE Working Paper.
- Dalton, T.J. 2007. "Environmental Education and the Supply of Environmental Services." In Lipper, L. ed. "The State of Food and Agriculture: Paying Farmers for Environmental Services." Rome: FAO.
- Dalton, T. J. , L. A. Bragg, R. Kersbergen, R. Parsons, G. Rogers, D. Kauppila, Q. Wang. 2005. "Cost and Returns to Organic Dairy Farming in Maine and Vermont for 2004." Resource Economics and Policy Staff paper 555, November 2005. Available: <http://www.umaine.edu/rep/publications/organic%20dairy%20costs%20and%20ret.pdf>
- McCann, J., T.J. Dalton, and M. Merkuria. "Breeding for Africa's New Maize Paradigm: The Southern African Drought and Low Fertility Program." Boston University Center for African studies Working Paper, April 2005.
- Lilja, Nina, Timothy Dalton, Reinhardt Howler and Nancy Johnson. 2004. "Impact of Participatory Natural Resource Management Research in Cassava-Based Cropping Systems in Vietnam and Thailand." PRGA Working Document 23. International Center for Tropical Agriculture. Cali, Colombia.
- Hoshide A. K., Dalton, Timothy J., Stewart Smith. 2004. "Representative Farm Budgets and Performance Indicators for Integrated Farming Practices in Maine." Maine Agricultural and Forestry Experiment Station Bulletin 850.
- Dalton, Timothy J. 2004. "Indivisible and Spatial Components of Dairy Firm Efficiency." Resource Economics and Policy Staff Paper.
- Bragg, Lisa A. and Timothy J. Dalton. "A Two-Stage Analysis of the Decision to Exit from Dairy Farming in Maine." Resource Economics and Policy Staff Paper 540. September 2004.
- Hoshide A. K. And T.J. Dalton. "Cooperating Producers in Maine: A Summary Report of the Characteristics of Participants in the Re-Integrating Crop and Livestock Enterprises in Three Northern States." Resource Economics and Policy Staff Paper 523, December 2003.
- Maskey, Vishakha , Tesfa G. Gebremedhin, and Timothy J. Dalton. "A Survey Analysis of Participation in Community Forest Management in Nepal." West Virginia Regional Research Institute Research Paper 2003-08, June 2003.
- Dalton, Timothy J., Gregory A. Porter and Noah Winslow. "Profitability and Risk Management Benefits of Supplemental Irrigation on Northern Potatoes." Resource Economics and Policy Staff Paper 515, March 2003.
- Allen, Thomas, Timothy J. Dalton, and T. Gabe. "The Economic Impact of a Loss of Ten Percent of Maine's Dairy Farms." Resource Economics and Policy Staff Paper 517, March 2003.
- Dalton, Timothy J and Lisa Bragg. The Cost of Producing Milk in Maine: A Report based upon the 2002 Dairy Cost of Production Survey. Maine Agricultural and Forestry Experiment Station Technical Bulletin 189, May 2003.

- Dalton, Timothy J., Andrew Files, David Yarborough. "Investment, Ownership and Operating Costs of Supplemental Irrigation Systems for Maine Wild Blueberries." Maine Agricultural and Forestry Experiment Station Technical Bulletin 183, 2002.
- Ahn, SoEun, William B. Krohn, Andrew J. Plantinga, Timothy J. Dalton, Jeffrey A. Hepinstall. "Agricultural Land Changes in Maine: Compilation and Brief Analysis of Census of Agriculture Data, 1850-1997." Maine Agricultural and Forestry Experiment Station Technical Bulletin 182, March 2002.
- Dalton, Timothy J., George K. Criner, John Halloran. "2000 Milk Processing Costs in Maine." Maine Agricultural and Forestry Experiment Station Technical Bulletin 181, December 2001.
- Dalton, Timothy J. "Agricultural Irrigation Issues." College of Natural Science, Forestry and Agriculture White Paper Series, March 2003.
- Kling, Linda J. and Dalton, Timothy J. "Atlantic Salmon Aquaculture in Maine: Current Status and Challenges." College of Natural Science, Forestry and Agriculture White Paper Series, March 2003.
- Dalton, Timothy J. "Impact of Varietal Improvement in West African Crop Ecologies" West Africa Rice Research Brief Number 3. November 2000.
<http://www.warda.cgiar.org/publications/RBrief3.pdf>
- Dalton, Timothy J. "Impact de l'amélioration variétale sur différentes ecologies agricoles d'Afrique de l'Ouest." Synthèse de la recherche rizicole en Afrique de l'Ouest n° 3 Novembre 2000. <http://www.warda.cgiar.org/publications/RBrief3F.pdf>
- Dalton, T. and G. Criner. "The Potential Impact of an Atlantic Salmon Endangered Species Listing on Blueberry Producers" Salmon White Paper series #9. 2000.
<http://www.umaine.edu/mainesci/Archives/ResEconomics/salmon-blueberry.htm>

E. Popular press (Editor review only)

- Kersbergen, Rick, T. Dalton and L. Bragg. 2006. "Organic Dairy Farming...Do higher pay prices equal more profit? *Northeast Organic Dairy Producers Alliance (NOPDA) News*. 6(1):1-3.
- Dalton, Timothy J. and Linda Kling. "Raising haddock to market size will encounter hurdles." Opinions/Editorials, *Bangor Daily News*, 8/6/2001.
- Dalton, T. and G. Criner. "The Potential Impact of an Atlantic Salmon Endangered Species Listing on Blueberry Producers" *The Maine Farmer*, 4(2): 12.
- Becker, M., Dalton, T.J. and D.E. Johnson. "The Role of Legumes in Lowland Rice-Based Systems of Côte d'Ivoire." *The Inland Valley Newsletter*, 3(1997): 15-16.

F. Conference proceedings

- Bragg, L.A. T.J. Dalton, R. Kersbergen and R. Parsons. 2006. "Profitability of Northeast Dairy Farms." In: Gopalakrishnan, O., L. Melotti, J. Ostertag, N. Sorensen (editors). *Proceedings of the 1st IFOAM International Conference on Animals in Organic Production*, pages 129-135.

- Dalton, Timothy J. and David Yarborough. "The Economics of Supplemental Irrigation on Wild Blueberries: A Stochastic Cost Assessment." In: Forney, C.F and L.J. Eaton (editors). 2004. *Proceedings of the Ninth North American Blueberry Research and Extension Workers Conference*, pages 73-86.
- Dalton, Timothy J. "Indivisible and Spatial Components of Dairy Firm Efficiency" Selected paper presentation at the 2004 AAEA annual meeting, August 2, 2004 and published in *AgEcon Search*.
- Waning, Kate M., Dalton, Timothy J. and L. Kling. 2003. "Economic Analysis of Early Weaning Feeding Technologies for Haddock." In: Aiken, D.E (editor). *Early Rearing of Haddock: State of the Art*. Aquaculture Association of Canada, Special Publication Number 7, pages 87-102.
- Dalton, Timothy J. "A Household Hedonic Model of Rice Traits: Economic Values from Farmers in West Africa." In: *Reshaping Agriculture's Contribution to Society*. Proceedings from the 25th International Conference of Agricultural Economists. Durban South Africa, 16-22 August 2003.
- Dalton, Timothy J. and Kate Waning. 2002. "Bioeconomic assessment of alternative cold-water aquaculture species: early life stages." In: *Fisheries in the Global Economy*. Proceedings from the 11th biennial conference of the International Institute of Fisheries Economics and Trade (IIFET), 19-22 August, 2002.
- Jones, M., T. Dalton, N. Lilja, and D. Macaire. "Regional Networks for Participatory Varietal Selection: The Generation and Dissemination of Impact Oriented and Demand Driven Technology." In: *Participatory Varietal Selection: Proceedings of the PRIGA Workshop 17-21 April 2000*, WARDA Headquarters, Bouaké Cote d'Ivoire.
- Johnson, David E., Jones, Monty P., Dalton, Timothy J., and Michael Dingkuhn. 1999. "Rice Plant Types for Areas of Low-Input Management in West Africa." Proceedings of the 19th Session of the International Rice Commission. Rome: FAO, 205-210.

G. Published abstracts

- Bragg, L. and T.J. Dalton. 2006. Spatial Dependence and Efficiency Analysis: A study of the Maine Dairy Industry." *Agricultural and Resource Economics Review*. 33(2).
- Bragg, L. and T.J. Dalton. 2005 "Factors Affecting the Decision to Exit Dairy Farming: A Two-stage Regression Analysis." *Agricultural and Resource Economics Review*. 32(2):298.
- Cheng, H.-T., Timothy J. Dalton, and L. Dang. 2004. "Haddock Price Response Analysis." *Journal of Food Distribution Research* 35(1): 30-33.
- Dalton, Timothy J. and K. Waning. "Risk Efficient Technology Choice for Cold-Water Finfish in the Northeast." *Agricultural and Resource Economics Review*. 32(2003): 299.
- Dalton, Timothy J. and Kate Waning. "Cold-water Marine Aquaculture in Maine: Current Impact and Ex-Ante Potential." Aquaculture America 2003, book of Abstracts, p.67.
- Dalton, Timothy J. and Kate Waning. 2002. "Bioeconomic assessment of alternative cold-water aquaculture species: early life stages." IIFET 2002: Fisheries in the Global Economy. Book of Abstracts #81.
- Dalton, Timothy J., and D. Yarborough. The Economics of Supplemental Irrigation on Wild blueberries: A Stochastic Cost Assessment. Published in workshop abstracts and available: http://www.nsac.ns.ca/conferences/nabrew/abstracts_p.htm

- Dalton, Timothy J., D. Yarborough, and A. Files. An economic assessment of the returns to irrigation investment for wild blueberries. XXVth International Horticulture Conference Abstracts, p.389.
- Dalton, Timothy J. "The Risk Management Economics of Supplemental Irrigation: Scale and Technology Choice in Northern Maine." *Agricultural and Resource Economics Review*. 31(2002): 265.
- Dalton, Timothy J., Mathias Becker and David E. Johnson. "Stabilization of Upland Rice Production under Shortened Fallow in West Africa: Research Priority Setting in a Dynamic Environmental and Economic Climate." *American Journal of Agricultural Economics*, 80(1998).
- Dalton, Timothy J., and William A. Masters. "Soil Degradation, Government Policies and Technical Change in Southern Mali." *American Journal of Agricultural Economics*, 79(1997): 1725.
- Dalton, Timothy J. "Public Choice, Private Choice and Soil Degradation in Southern Mali." *American Journal of Agricultural Economics*, 78(1996): 1343.
- Dalton, Timothy J., William A. Masters, and Kenneth A. Foster. "Input Use and Substitution in African Agriculture: Smallholder Agriculture in Zimbabwe." *American Journal of Agricultural Economics*, 77(1995): 1362.
- Dalton, Timothy J., George F. Patrick and Craig L. Dobbins. "Comparing Financial Measures and Farm Management Factors as Predictors of Farm Performance." *American Journal of Agricultural Economics*, 77(1995): 1375.

6. Grants, Contracts and Cooperative Agreements

Kansas State University

- The Vision of the Kansas State University Management Entity of the Feed the Future Food Security Innovation Lab: Collaborative Research on Sorghum and Millet. T.J. Dalton 7/23/2013-7/22/2018. USAID BFS \$13,700,000.
- AquaFish CRSP Evaluation. T.J. Dalton. 11/30/2011-1/30/2012. USDA FAS. \$20,335.
- Peanut CRSP Evaluation. T.J. Dalton. 11/30/2011-1/30/2012. USDA FAS. \$16,335.
- Monitoring, Evaluation and Technical Support Services for Ghana. V. Amanor-Boadu, T.J. Dalton, N. Lilja 2/2012-present. USDA FAS \$1,157,795 (2012), \$917,971 (2013).
- Global Impact of INTSORMIL Activities. T.J. Dalton and J. Crespi. 6/1/10-8/31/11. SMOG CRSP. \$315,684.
- Pulse Value Chain Initiative-Zambia. V. Amanor-Boadu, T.J. Dalton, A. Featherstone et al. 6/1/10-5/31/14. Dry Grain Pulses CRSP. \$635,000
- Improving Soil Quality and Crop Productivity through Conservation Agricultural Practices in Cropping Systems of West Africa. P.V.V. Prasad, S. A. Staggenborg, T.J. Dalton, et al. 12/2009-11/2014. SANREM CRSP Long-Term Research Award – Phase IV. \$1,350,000.
- Measuring the Ex-Ante Impact of Water Efficient Maize for Africa. T.J. Dalton and C. Pray. The Bill and Melinda Gates Foundation. 8/2009-8/2011. \$498,006.
- Impact Assessment of Gates AWARD Fellowship Program. T.J. Dalton. IFPRI. 6/2008-12/2008. \$20,667.

Kansas State University African Studies Center Seed Grant. T.J. Dalton. Kansas State University. 5/2008. \$5,500

University of Maine

Milk Processing Costs, 2006. T.J. Dalton and G.C. Criner. Maine Milk Commission. 4/2006-12/2006. \$51,155.

Estimating the Cost of Milk Production under Maine Conditions 2004-2005. T.J. Dalton. Maine Milk Commission. 12/2004-12/2005. \$31,390.

Profitability and Transitional Analysis of Northeast Organic Dairy Farms. Parsons, R., Dalton, T., Rogers, G., Kauppila, D., and N. Bacon. USDA/Integrated Organic Program 1/1/2005-12/31/2007. \$287,018.

Risk management education and information programs for the state of Maine 2004. Rebar, J., and T.J. Dalton. USDA/RMA 8/1/03-7/31/04. \$215,000.

Milk Processing Costs 2003. Timothy J. Dalton, Thomas Allen and George Criner. Maine Milk Commission. 4/2000-6/2001. \$36,427.

Ecosystem Service Valuation and Application to Multiple Use of Upper Catchments. Timothy J. Dalton. Centro Internacional de Agricultura Tropical (CIAT). \$6,788.

Analysis of the Factors Affecting Profitability and Exit Decisions from the Maine Dairy Industry. Dalton, T.J. Maine Milk Commission, 6/2003-3/2004. \$9,666.

Production and Price Risk Management Strategies for Potato Producers. Dalton, T.J., and G. Porter. Maine Potato Board Potato Tax Fund Grant, 2/2003-12/2003. \$5,500.

Cross-border Curricular Programs in International Environmental and Agribusiness Management. Criner, G.C., T.J. Dalton, N. Lilja, G. Fairchild, T. Taylor, S. Thornsby. USDA/CSREES/Challenge Grant, \$228,472.

Risk Management Education and Information Programs for the State of Maine. Rebar, J., and T.J. Dalton. USDA/RMA 8/1/02-7/31/03. \$102,000.

Estimating the Cost of Milk Production under Maine Conditions 2001-2002. T. J. Dalton. Maine Milk Commission. 11/2001-12/2002. \$22,437.

Reintegrating Crop and Livestock Systems in Three Northern States. S. Smith, J. R. Black, T. J. Dalton, C.B. Flora, R. Kersebergen, M. Liebman, S.S. Snapp, and G. White. USDA/CSREES/IFAFS. 8/2001-7/2004. \$2,000,000.

Bioeconomic Development, Assessment and Management of Marine Aquaculture Technology. T. J. Dalton, L. Kling and H.T. Cheng. USDA/CSREES/NRICGP/ Markets and Trade. 5/2001-5/2003. \$115,000.

Impacts of crop rotation length, soybean and forage crops, and soil amendment on productivity, pest management, and profitability of a potato production system. A.R. Alford, A. Alyokhin, T. Dalton, E. Groden, S. Erich, E. Gallandt, D. Lambert, L. Osher, G. Porter and S. Smith. Maine Potato Board Research Subcommittee. 1/2001-12/2001. \$7,000.

The Contribution of the Blueberry Industry to the Maine Economy. Timothy J. Dalton and Todd Gabe. Wild Blueberry Commission. 6/2000-1/2001. \$13,500.

Irrigation Investment in Potato Production. Timothy J. Dalton, J. Halloran and G. Porter. Maine Agricultural and Forest Experiment Station R&D and Contingency Funds. 4/2000-5/2001. \$8,600.

An Economic Assessment of the Returns to Irrigation Investment for Lowbush Blueberries.
 Timothy J. Dalton, J. Halloran and Dave Yarborough. 4/2000-8/2001. Maine
 Agricultural Center. \$4,361.

Milk Processing Costs 2000. George Criner, Timothy J. Dalton and John Halloran. Maine Milk
 Commission. 4/2000-6/2001. \$51,405.

Development and Demonstration of Marine Aquaculture based on Atlantic Halibut and Haddock.
 Linda Kling, Timothy Linely, Michael Opitz, Jone Hunt von Herbing, Timothy J. Dalton,
 Thomas Duym and Michael Hastings. Maine Science and Technology Foundation.
 4/2000-4/2003. \$249,000

7. Conference and Other Presentations *=refereed, **Boldface**=presenter

A. Academic and Professional Association Conferences

- *Regier, G., Y. Zereyesus, **T.J. Dalton** and V. Amanor-Boadu. “Do Adult Equivalence Scales Matter in Poverty Estimates? A Ghana Case Study.” 2014 AAEA Annual Meeting, Minneapolis, MN, July 2014.
- ***Regier, G.** and T.J. Dalton. “Labor-savings of Roundup Ready Maize: Impact on Cost and Input Substitution for South African Smallholders.” 4th International Conference of the African Association of Agricultural Economists, Hammamet, Tunisia, 9/22/2013.
- ***Dalton, Timothy J.** “Farmer Adaptation to Climate-Induced Information Disruption” ICAE, Foz do Iguacu, Brazil 8/22/2012
- ***Dalton, Timothy J. and Y. Zereyesus.** “A Meta-Analysis of ROR Studies on Sorghum and Millet” ICAE, Foz do Iguacu, Brazil 8/20/2012
- ***Regier, Greg** and Timothy J. Dalton. “Impacts of Genetically Modified Maize in KwaZulu-Natal, South Africa. ICABR, 6/30/2012.
- ***Dalton, Timothy J.** ICABR-Selected paper-“Valuing Drought Tolerance in Africa: Determinants of Adaptation to Climate Change” 6/29/2011
- ***Dalton, Timothy J.** ICABR-Selected paper“Farmer Adaptation to Climate-Induced Information Disruption” 6/28/2011
- ***Dalton, Timothy J.** AAEA Annual Meeting-Organized Symposia “Potential for Adoption of Water-Efficient Maize Cultivars in Africa.” 7/25/2011.
- Dalton, Timothy J.** Office of International Programs-Brownbag “Some Evidence of Behavioral Response to Climate Change in Three African Countries” 11/30/2011
- Dalton, Timothy J.** “Valuing Drought Tolerance in Africa: Determinants of Adaptation to Climate Change” *The Berkeley Bioeconomy Conference and Biotechnology, Bioenergy, and Global Food Security*, NC1034, Berkely, CA, March 25, 2011.
- Dalton, Timothy J.** “Ex Ante Impact Studies: Current Status.” Water Efficient Maize for Africa Annual Meeting, Zanzibar, Tanzania. February 7, 2011.
- Dalton, Timothy J** “Behavioral Determinants of Adaptation to Climate Change: Selection of Drought Tolerant Maize Seed using Framed Field Experiments in Kenya” Seminar presented the Freidman School of Nutrition, Tufts University, Boston, MA, December 16, 2010.
- Dalton, Timothy J.** “Public-Private Partnerships in the Development of Water Efficient Maize for Africa.” Seminar presented NC1034 Annual Meeting, Washington, D.C, March 19, 2010.

- ***Ross, K.**, T.J. Dalton and A. Featherstone. “A Nonparametric Efficiency Analysis of Bean Producers from North and South Kivu.” African Issues Symposium, Kansas State University, March 30, 2009..
- ***Ross, K.**, T.J. Dalton and A. Featherstone. “A Nonparametric Efficiency Analysis of Bean Producers from North and South Kivu.” Southern Agricultural Economics Association Annual Meeting, Atlanta, GA January 21, 2009.
- Dalton, Timothy J.** “Sorghum Genetic Diversity and Risk Management in the Haraghe Region of Ethiopia.” Seminar presented at FAO, June, 27, 2007.
- Dalton, Timothy J.** “Active Learning Education and Soil Conservation in Asian Cassava Systems.” Seminar presented at Kansas State University, March, 28, 2007.
- Dalton, Timothy J.** “Transient Health Shocks and Agricultural Labor Demand in Malian Rice Producing Households.” Seminar presented at FAO, December 19, 2006.
- ***Bell, Kathleen P.** and Timothy J. Dalton. “Spatial Economic Analysis in Data-Rich Environments.” Invited panel paper 26th International Conference of Agricultural Economists. Gold Coast, Australia, 12-18 August 2006.
- ***Timothy J. Dalton.** “Transient Health Shocks and Agricultural Labor Demand in Rice-producing Households in Mali.” Selected paper 26th International Conference of Agricultural Economists. Gold Coast, Australia, 12-18 August 2006.
- Dalton, Timothy J.**, Lilja, N., N. Johnson, and R. Howeler. “Impact of Participatory Natural Resource Management Research in Cassava-Based Cropping Systems in Vietnam and Thailand.” Organized symposia paper 26th International Conference of Agricultural Economists. Gold Coast, Australia, 12-18 August 2006.
- ***Parsons, R.**, Q. Wang and T.J. Dalton. “How Profitable are Northeast Organic Dairy Farms?” Northeastern Agricultural and Resource Economics Association Annual Meeting, Mystic, CT, 12 June 2006.
- ***Bragg, L.A.** and T. J. Dalton. “Spatial Dependence and Omitted Variable Bias Effects on Efficiency Analysis: A Study of the Maine Dairy Industry.”, Northeastern Agricultural and Resource Economics Association Annual Meeting, Mystic, CT, 12 June 2006.
- ***Dalton, Timothy J.**, N. Lilja, N. Johnson and R. Howeler. “Human Capital Accumulation and Productivity Improvements in Asian Cassava Systems: Are Participatory Research Approaches Beneficial?” Paper presented at the 2005 AAEA annual meeting, Providence, RI, July 27, 2005.
- *Lilja, N., N. Johnson, **T. Dalton**, and R. Howeler. “Impact of Participatory Natural Resource Management Research in Cassava-Based Cropping Systems in Vietnam and Thailand.” Paper presented at the SPIA Workshop on Natural Resource Management, Los Baños, Philippines, June 13, 2005.
- ***Dalton, Timothy J.** “Agricultural Productivity and HIV/AIDS in Sub-Saharan Africa.” Paper presented at the 2004 AAEA annual meeting, Denver, CO, August 4, 2004.
- ***Dalton, Timothy J.** “Indivisible and Spatial Components of Dairy Firm Efficiency” Selected paper presentation at the 2004 AAEA annual meeting, Denver, CO, August 2, 2004.
- ***Bragg, Lisa A.** and Timothy J. Dalton. “Factors Affecting the Decision to Exit Dairy Farming: A two-stage Regression Analysis.” Halifax, NS, Northeastern Agricultural and Resource Economics Association Annual Meeting, 9 June 2003.

- Dalton, Timothy J.** “Indivisible and Spatial Components of Dairy Firm Efficiency” Seminar presented at the Department of Agricultural and Applied Economics, University of Wisconsin, March 29, 2004.
- Dalton, Timothy J.** “Indivisible and Spatial Components of Dairy Firm Efficiency” Seminar presented at the Département d'économie agroalimentaire et des sciences de la consommation, Université Laval, March 19, 2004.
- Dalton, Timothy J.** “A Hedonic Study of Rice Attributes in Cote d'Ivoire.” Seminar presented at the Department of Agricultural Economics, Michigan State University, March 2, 2004.
- ***Cheng, H.T.,** T.J. Dalton and L. Dang. “Haddock Price Response Analysis.” Paper presented at the 2003 Annual Conference of the Food Distribution Research Society, October 2003.
- ***Dalton, Timothy J.** “A Hedonic Model of Rice Traits: Economic Values from Farmers in West Africa.” Paper presented at the Special Plenary Session of the 25th International Conference of Agricultural Economists. Durban South Africa, 16-22 August 2003.
- *Langyintuo, Augustine S., **Timothy J. Dalton** and Thomas F. Randolph. “The Role of Information Asymmetries, Asset Fixity and Farmer Perceptions in the Adoption of Improved Rice Varieties in Northern Ghana.” Poster presented at the 25th International Conference of IAAE, August 2003. Finalist for Outstanding Contributed Poster Award.
- *Dalton, Timothy J. and **Kate M. Waning.** “Risk Efficient Aquaculture Technology Choice for Cold-water Finfish in the Northeast.” Northeastern Agricultural and Resource Economics Association Annual Meeting, Portsmouth, NH, 9 June 2003.
- ***Dalton, Timothy J.** and Kate M. Waning. “Cold-water Marine Aquaculture in Maine: Current Impact and Ex-Ante Potential.” Aquaculture America Conference, 18-19 February, 2003.
- Waning, Kate, **Dalton, Timothy J.** and Linda Kling. “Economic Analysis of Early Weaning Feeding Technologies for Haddock.” Early Rearing of Haddock workshop. 16-17 October 2002.
- ***Dalton, Timothy J.** and Kate Waning. “Bioeconomic assessment of alternative cold-water aquaculture species: early life stages.” 2002 International Institute of Fisheries Economics and Trade Meeting, 19 August 2002.
- *Dalton, Timothy J., and **D. Yarborough.** “The economics of supplemental irrigation on wild blueberries: A stochastic cost assessment” North American Blueberry Research and Extension Workers Conference, 18-21 August 2002. (Poster presentation by David Yarborough.)
- *Dalton, Timothy J., **D. Yarborough,** and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” World Horticulture Congress, 17 August 2002. (Poster presentation by David Yarborough.)
- *Dalton, Timothy J., **D. Yarborough,** and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” World Horticulture Congress, 17 August 2002. (Oral paper presentation by David Yarborough.)
- ***Dalton, Timothy J.** “The Risk Management Economics of Supplemental Irrigation: Scale and Technology Choice in Northern Maine.” Northeastern Agricultural and Resource Economics Association Annual Meeting, 10 June 2002.
- ***Dalton, Timothy J.,** D. Yarborough, and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” Wild Blueberry Research and Extension Meetings, 21 March 2002, Portland, ME.

- ***Dalton, Timothy J.** and R. Guei. “Ecological Diversity and the Impact of Rice Genetic Enhancement in West Africa.” Invited Panel Presentation, *XXIVth International Conference of Agricultural Economists*, 13-18 August 2000, Berlin, Germany.
- ***Becker, M.,** D.E. Johnson and T.J. Dalton. “Agronomic and Economic Evaluation of Fallow Legumes in Upland Rice-Based Systems in West Africa.” *Eighth Congress of the African Association for Biological Nitrogen Fixation*, 23-27 November 1998, Cape Town, South Africa.
- ***Dalton, Timothy J.,** Mathias Becker and David E. Johnson. “Stabilization of Upland Rice Production under Shortened Fallow in West Africa: Research Priority Setting in a Dynamic Environmental and Economic Climate” *American Agricultural Economic Association Annual Meeting*, Salt Lake City, Utah, 1998.
- * **Dalton, Timothy J.** “The Impact of WARDA Germplasm: Our Current Best Estimate.” Organized Symposium, *American Agricultural Economic Association Annual Meeting*, Salt Lake City, Utah, 1998.
- *Lilja, Nina K. and **Timothy J. Dalton.** “Developing African Public Goods: Rice Varietal Selection in Côte d’Ivoire.” Organized Symposium, *American Agricultural Economic Association Annual Meeting*, Salt Lake City, Utah, 1998.
- ***Dalton, Timothy J.,** Mathias Becker and David E. Johnson. “Stabilization of Upland Rice under Shortened Fallow: Impact on Resource Degradation and Biodiversity in Marginal Areas of West Africa.” *World Congress of Resource and Environmental Economists*, Venice, Italy, 1998.
- ***Dingkuhn, Michael,** Thomas F. Randolph, and Timothy J. Dalton. “The Potential Role of Low-Management Rice Technologies during the Agricultural Transition in West Africa.” *Rice Technical Working Group*, Reno, Nevada, 1998.
- ***Becker, M.,** Dalton, T.J. and D.E. Johnson. “The Role of Legumes in Lowland Rice-Based Systems of Côte d’Ivoire.” *Inland Valley Consortium-International Livestock Research Institute Seminar on Forage Production in the Inland Valleys*. Bouaké Côte d’Ivoire, September 30, 1997.
- ***Dalton, Timothy J.,** and William A. Masters. “Pasture Taxes and Agricultural Intensification in Southern Mali.” *XXVIII International Conference of Agricultural Economists*, Sacramento California, 1997.
- ***Dalton, Timothy J.,** and William A. Masters. “Soil Degradation, Government Policies and Technical Change in Southern Mali.” *American Agricultural Economics Association Annual Meeting*, Toronto Canada, 1997.
- Kébé, Demba,** Timothy J. Dalton and H. De Groote. “Dévaluation du F.CFA et Comportement des Agro-Eleveurs du Mali-Sud.” *International Symposium sur l’Approche Système de Production à la Recherche au Développement et à la Formation*”, Bamako, Mali, 1996.
- ***Dalton, Timothy J.** “Public Choice, Private Choice and Soil Degradation in Southern Mali.” *American Agricultural Economics Association Annual Meeting*, San Antonio, Texas, 1996.
- ***Dalton, Timothy J.,** William A. Masters, and Kenneth A. Foster. "Input Use and Substitution in African Agriculture: Smallholder Agriculture in Zimbabwe." *American Agricultural Economics Association Annual Meeting*, Indianapolis, Indiana, 1995.

- ***Dalton, Timothy J.**, George F. Patrick and Craig L. Dobbins. "Comparing Financial Measures and Farm Management Factors as Predictors of Farm Performance." *American Agricultural Economics Association Annual Meeting, Indianapolis, Indiana, 1995.*
- ***Kébé, Demba**, H. De Groote, Timothy J. Dalton and Y. Koné. "Effets de la Dévaluation sur l'Intensification Agricole au Mali-Sud." *West African Regional Workshop on the Impact of the CFA Franc Devaluation on Food Security*, sponsored by INSAH-CILSS, Bamako, Mali, 1995.

B. Invited Presentations

- Dalton, Timothy J. "Sorghum and Millet Innovation Lab Program Overview." Invited seminar, USAID/BFS, Washington, D.C., June 23, 2014.
- Dalton, Timothy J. "Explaining Ambiguity Aversion in Three African Countries: Results from Behavioral Experiments." Invited seminar. University of Nebraska-Lincoln, Department of Agricultural Economics. November 2, 2012.
- Dalton, Timothy J. "Farmer Education and its Impact on the Adoption of Crop and Resource Management Practices." Invited presentation. CGIAR Workshop on Conservation Agriculture. University of Nebraska-Lincoln, October 15, 2012.
- Dalton, Timothy J. University of Maine School of Economics-Invited seminar "Farmer Adaptation to Climate-Induced Information Disruption" 9/26/2011
- Dalton, Timothy J. "Ex-Ante Impact of Water Efficient Maize for Africa." Seminar presented at Sokoine University of Agriculture, Morogoro, Tanzania March 2, 2010.
- Dalton, Timothy J. "Active Learning Education and Soil Conservation in Asian Cassava Systems." Seminar presented at the Delhi School of Economics, Delhi, India, January 15, 2010.
- Dalton, Timothy J. "Ex Ante Impact of Water Efficient Maize for Africa." Seminar presented at ICRISAT, Hyderabad, India January 7, 2010.
- Dalton, Timothy J. "Public-Private Partnerships in the Development of Transgenic Drought Tolerant Maize for Africa." Brownbag seminar, Kansas State University, October 27, 2009.
- Dalton, Timothy J. Active Learning Education and Soil Conservation in Asian Cassava Systems." Seminar presented at a workshop on Impact Assessment, Inter-American Development Bank, Washington, D.C. October 19, 2009.
- Dalton, Timothy J. "Ex-Ante Impact Assessment of the Water Efficient Maize for Africa Project." Presentation at workshop held by the Water Efficient Maize for Africa project, Nairobi Safari Hotel, Nairobi, Kenya. August 9, 2009.
- Dalton, Timothy J. "Ex-Ante Impact Assessment of the Water Efficient Maize for Africa Project." Seminar presented to the African Agricultural Technology Foundation, Nairobi, Kenya. August 3, 2009.
- Dalton, Timothy J. "Maine Dairy Cost of Production Studies." Invited presentation: Massachusetts Dairy Revitalization Task Force. August 9, 2007, Sturbridge, MA.
- Dalton, Timothy J. "Results from the 2005 Dairy Cost of Production Survey." Invited presentation 2006 Maine Dairy Seminar. 16 March 2006, Waterville, ME.

- Dalton, Timothy J. “Factors Affecting Dairy Firm Profitability.” Invited presentation to the Governor’s Task Force of the Sustainability of the Dairy Industry in Maine. 18 June 2003, Augusta, ME.
- Dalton, Timothy J. “The 2002 Dairy Cost of Production Survey.” Keynote invited presentation 2003 Maine Dairy Seminar. 11 March 2003, Waterville, ME.
- Dalton, Timothy J. “Risk Management in Potato Production.” Invited presentation to Farm Credit of Maine. 5 March 2003, Presque Isle, ME.
- Dalton, Timothy J. “Profitability and Risk Management Benefits of Supplemental Irrigation.” Invited presentation at the Maine Potato Conference. 23 January 2003, Caribou, ME.
- Dalton, Timothy J. “The Risk Management Economics of Supplemental Irrigation.” Invited presentation to the Maine Agricultural Water Management Advisory Committee. 6 September 2002, Bangor, ME.

C. Outreach conferences and symposia

- Dalton, Timothy J. “Food Security in a Volatile World” U.S. Army Command and General Staff College, International Student Division, Fort Leavenworth, KSU, September 2010, 2011, 2013, 2014
- Dalton, Timothy J. “K-State International Ag Development and Its Ties and Benefits to Kansas.” Risk and Profit, August 2010.
- Dalton, Timothy J. “K-State International Ag Development and Partnerships” U.S. Army Command and General Staff College, International Student Division, Fort Leavenworth, KSU, September 23, 2010
- Dalton, Timothy J., D. Yarborough, and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” Wild Blueberry School, 25 March 2002, South Paris, ME.
- Dalton, Timothy J., D. Yarborough, and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” Wild Blueberry School, 27 March 2002, Ellsworth, ME.
- Dalton, Timothy J., D. Yarborough, and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” Wild Blueberry School, 28 March 2002, Union, ME.
- Dalton, Timothy J., D. Yarborough, and A. Files. “The Economic Costs of Supplemental Irrigation on Wild Blueberries.” Wild Blueberry School, 30 March 2002, Machias, ME.
- Dalton, Timothy J., and M. Bragdon. “The Economic Costs of Supplemental Irrigation on Maine Potatoes.” Potato Irrigation Symposium, 19 March 2002, Caribou, ME.

8. Public Service (selected activities)

- Governor’s Task Force on the Sustainability of the Dairy Industry in Maine 2003, 2006, 2007.
Maine Agricultural Water Management Advisory Committee. 2002-2006.

9. Professional Video Interviews

- “Crop Insurance for ME.” Produced for the Maine Department of Agriculture Food and Rural Resources. 2002.
- “Bintu and Her New African Rice: A Genetic Bridge to Food Security and Biodiversity.” Produced by AgCom International for the West Africa Rice Development Association 1998.

10. Teaching Activities

- AGEC 415 The Global Agricultural Economy, Hunger and Poverty* Describe and analyze the interdependencies between the world's food, populations, and equitability/poverty problems and then assess alternative solutions to these problems, in particular the role of technological and policy/institutional changes, in fostering sustainable development. (Kansas State University)
- AGEC 815 International Agricultural Development* The study the principles of economic development when applied to the development of the agricultural sector. This includes the examination of national and international strategies and policies that inhibit and/or encourage the development of the agricultural sectors in low income countries. (Kansas State University)
- AGEC 823 Production Economics II.* Economic theories of choice under conditions of imperfect knowledge (i.e. under risk and uncertainty) and the application of these theories to production decisions. (Kansas State University)
- INT 110 Modern Economic Problems* An introduction to the operation of modern economic systems. Topics include: the price system, resource allocation, the organization of markets, the economics of government policy, and international aspects of the economy. (University of Maine)
- REP 190 World Food Supply, Population and the Environment* Reviews current global resources focusing primarily upon food production and population, and environmental problems relating to food production and distribution. World trade and world trade policy are considered with primary emphasis on food. Other topics include world trade liberalization, genetically modified foods and comparative agricultural systems. (University of Maine)
- REP 254 Introduction to Resource Business Management* Application of economic concepts to real world business and economic decisions using graphs, spreadsheets and analytical techniques. Students will learn introductory small business management concepts, how to estimate the cost of producing goods and services, and how to develop business feasibility studies. Students develop a hands-on project that looks at the production and marketing of a good or service. (University of Maine)
- REP 489 Senior Seminar* A writing intensive and discussion based course focusing on current economic, social and environmental problems. Students are required to prepare a major research paper and presentation in conjunction with the instructor. (University of Maine)
- REP 554 Production Economics* Graduate level. The principles of optimum resource allocation applied to the agri-business firm including advanced techniques for attaining optimum resource allocation. (University of Maine)
- REP 597 Topics in Development Economics—Community Forestry and Common Properties (Independent Study)* Directed independent study on common property resources and community based initiatives to manage these resources with a targeted focus on forestry issues in Asia. (University of Maine)
- REP 597 Readings in Economic Development—Macroeconomics, Human Capital and Education. (Independent Study)* Directed independent study on macroeconomic issues with structural adjustment in African countries, government expenditures on education

and the role of human capital formation in the process of economic development in less developed countries. (University of Maine)

REP 597 Mathematical Programming with the General Algebraic Modeling System (Independent Study) Lectures on the theory of linear and non-linear programming accompanied by laboratory exercises using tools to solve these problems using mathematical programming. (University of Maine)

11. Supervised Ph.D. Students

Graciela Andrango, expected 2014 (Co-chair with Jason Bergtold)

Sandra Contreras, expected 2015

Iddrisu Yahaya, expected 2015

Ph.D. committee member: **Kansas State University:** Sheryll Namingit (Economics, 2015 expected), Eman Alsuliman (Economics, 2015 expected). Waheed Banfea (Economics, 2012), Alasane Maiga (Agronomy, 2012); Simon Nyambura (Political Science, 2011) **University of Maine:** Aaron Hoshide (Economics, 2008), John Martel (Ecology and Environmental Science, 2008)

12. Supervised Masters Theses and Non-thesis Projects

Chen Yang, August 2014, "A Stochastic Parametric Analysis of Efficiency of Millet and Sorghum Production in Niger"

Caitlin Lowe. May 2013. "Determinants of maize marketing decisions for smallholder households in Tanzania"

Rebecca Manes. 2013. "Determinants of Adoption of Genetically Modified Maize by Small holders in KwaZulu-Natal, South Africa"

Greg Regier. 2012. Impact of Genetically Modified Maize on risk, output and cost among smallholders in South Africa. Master's Thesis. Kansas State University. May 2012.

Jaelaettin Jaen. 2011. Estimating the potential returns to research and development from sorghum value added products in El Salvador and Nicaragua. Master's Thesis. Kansas State University. December 2011.

Hugo Remaury, 2011. Ex-ante economic and ecosystem service potential of simulated conservation practices in Ghana using a minimum data approach. Master's Thesis. Kansas State University. December 2011.

Ashley Jones, 2011. "An Analysis of Stochastic Maize Production Functions in Kenya." Master's Thesis. Kansas State University. May 2011.

Darshana Udayanganie. 2007. "Spatial Association among Peasant Groups in the Hararghe Region of Ethiopia." Non-thesis paper University of Maine, Orono, Maine.

Lisa A. Bragg. 2005. "Spatial Dependence and Omitted Variable Bias Effects on Efficiency Analysis: A Study of the Maine Dairy Industry." Masters Thesis. University of Maine, Orono, Maine.

Metin Cakir. 2005 "Technical Change Irrigated Rice Production Efficiency in Mali." Masters Thesis. University of Maine, Orono, Maine.

Catherine Larochelle. 2005 "Transient Illness Shocks and Family Labor Use in a Rice Producing Area of Mali." Masters Thesis. University of Maine, Orono, Maine.

- Kelly Cobourn. 2004. “Environmental Conservation on Agricultural Working Land: Assessing Policy Alternatives using a Spatially Heterogeneous Land Allocation Model.” Masters Thesis. University of Maine, Orono, Maine.
- Kate Morrison Waning. 2002. “Two Essays on the Bioeconomics of Haddock Production.” Masters Thesis. University of Maine, Orono, Maine.
- Vishakha Maskey. 2001. “Analysis of Factors Affecting Participation in a Common Property Regime: Case Study of a Community Forest in Nepal.” University of Maine, Orono, Maine.

M.S. committee member: **Kansas State University:** Cory Wittman (M.A.B.), Mohamed Trablousi, Scott Unekis, Graciela Andrango, Kelsey Holste; **University of Maine:** Aaron Hoshide, Jesse Gandee, Xue Xiang, Tabitha Plaisted, Melanie Washington, Frank Kwan

13. Award-winning Graduate and Undergraduate Advisees

- Kelly Cobourn. 2004. “Environmental Conservation on Agricultural Working Land: Assessing Policy Alternatives using a Spatially Heterogeneous Land Allocation Model.” *2004 American Agricultural Economics Association Outstanding Master’s Thesis Award, and 2004 Northeastern Agricultural and Resource Economics Association Master’s Thesis Award of Merit.*
- Lisa A. Bragg. 2003. “Factors Affecting the Decision to Exit Farming: A Study of the Maine Dairy Industry.” Second Place. *Outstanding Student Paper Award Competition, 2003 AAEA Annual Meeting, Montreal Canada, August 2003.*

14. Selected Professional Activities

- AAEA Awards Committee, member 2014 and chair 2015.
- Manuscript reviewer *American Journal of Agricultural Economics*, 2004, 2005, 2006, 2007, 2008, 2009; *World Development*, 2002, 2003, 2004, 2005, 2009, 2010, 2012, 2013, 2014; *Agricultural Economics*, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009; *Journal of Agricultural and Applied Economics*, 2005; *Agricultural and Resource Economics Review*, 2000, 2003, 2004, 2006; *Food Policy*, 2005; *Aquaculture Economics and Management*, 2004; *Journal of Applied Aquaculture*, 2004, 2005; *American Journal of Potato Research*, 2000, 2001; *Nutrient Cycling in Agroecosystems*, 1998, 1999, 2001
- Outstanding Thesis Award Committee chair, Northeastern Agricultural and Resource Economics Association, 2002; Committee member, 1999-2002.
- Selected Paper reviewer, Northeastern Agricultural and Resource Economics Association, 2004-2007; American Agricultural Economics Association Annual Meeting, 2000, 2001, 2002, 2004, 2005, 2006, 2009.
- Proposal reviewer USDA/CSREES/NRICGP, Market and Trade Division, 2001, 2002; USGS/NIWR, 2000, 2001, 2002. Bill and Melinda Gates Foundation, 2008, 2012

14. Languages

Fluent in French.

15. Public Service

Trustee, Great Cranberry Island Historical Society, Cranberry Isles, ME 2013-present