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## EDUCATION

Cornell University, Agricultural Economics, Ph.D. (1989)  
Pennsylvania State University, Agricultural Economics, M.S. (1985)  
Pennsylvania State University, Political Science, B.A. (1978)

## EXPERIENCE

Assistant-Associate (1994)- Full Professor (2001), Department of Agricultural Economics, Virginia Tech. May 1989-present.

Chair, University Commission on Research, Virginia Tech, 2021-2022.

Editorial advisor, Socioeconomics section, CABI Agriculture and Bioscience, 2021-present

Technical advisor, Government of Ecuador and Inter-American Institute for Cooperation in Agriculture (IICA) 2015-2018. Conducted study of blackberry market chain in highlands (2015-2016) and access to improved cocoa markets in Manabi (2018).

Advisory board, Food Policy, 2013-present.

Technical advisor, Standing Panel for Impact Assessment, CGIAR, 2012-2013. Co-edited book summarizing impacts of CGIAR investments in agricultural research in Africa and South Asia.

Technical advisor and research leader, CIFOR (International Forestry Research Center, Bogor Indonesia), 2011-2016. Impact assessment for project promoting women's participation in decentralized forest management in Nicaragua and Honduras.

Technical advisor, Government of Zimbabwe 1996-current. Training and capacity building for poverty analysis, surveying and sample design, telephone survey methods, rapid communication of research results.

Technical advisor, World Bank, 1993-present. Led several major studies for World Bank, all related to rural poverty reduction and rural development. Currently engaged with team to revise procedures for national report on poverty. Other key activities:

- Central America Drivers of Rural Growth and Poverty Reduction. Three-country case study designed to analyze sources of rural growth and poverty reduction
- Social Risk Management, 1999-2001. Prepared conceptual papers on vulnerability measurement.
- Zimbabwe Poverty Assessment. Sabbatical leave to Zimbabwe, 1997-1998; other technical assistance provided to ZIMSTAT in 2010-2013 & 2017-2020.
- Malawi Poverty Assessment. Study of poverty in rural Malawi, designed to make recommendations about structure of the Malawi Social Action Fund, 1995-1997
- Zambia Rural Poverty Assessment, 1993-1994

**Consultant, IFPRI, 1989.** Designed analysis of public foodgrain distribution system in Bangladesh.

**Research Support Specialist, Cornell Nutritional Surveillance Program, Santiago, Chile. May-August 1985.** Prepared and administered data analysis and statistics units for a nutritional surveillance course. Taught frequent classes (in Spanish). Supervised data analysis projects.

**U. S. Peace Corps Volunteer, Paraguay. April 1979-July 1982.**

## **LANGUAGES**

Native English speaker. Speaks (good) and writes (good) Spanish. Speaks (fair) Guarani.

## **HONORS AND AWARDS**

Virginia Tech +Policy Research Fellow, 2022, Virginia Tech Institute for Society, Culture and Environment.

Virginia Tech CALS Excellence in Applied Research Award, 2021

Virginia Tech Alumni Award for Excellence in International Programming, 2021.

External PhD examiner, University of Cape Town, South Africa Columbia, for the Doctor of Philosophy in Economics, 2021.

External PhD examiner, University of Stellenbosch, South Africa Columbia, for the Doctor of Philosophy in Economics, 2020.

Lifetime achievement award, 2019. Presented by Instituto Nacional de Investigaciones Agropecuarias (INIAP), Ecuador, for lifetime support for mentorship and research excellence.

First place award, 2nd competition in agricultural research, Ministry of Agriculture, Livestock and Fisheries, Ecuador, 2017.

Visiting Dingying Guest Professor, College of Economics and Management, South China Agricultural University, 2017-2020.

External PhD examiner, University of British Columbia, for the Doctor of Philosophy in Integrated Studies in Land and Food Systems degree program, 2016.

Virginia Tech Outstanding Dissertation Advisor, 2012. PhD Student (Catherine Larochelle) won university dissertation award.

Election to Graduate Faculty, Purdue University. May 2010. Purdue University Graduate School.

Keynote Speakers Award. 2009. XI international conference on integrated pest management in Latin America. Tegucigalpa, Honduras.

IPM Excellence Awards, presented by the 6th International IPM Symposium on March 24, 2009

Virginia Tech Alumni Award for Excellence in International Outreach and Research, 2006.

Poverty Analysis for Government of Zimbabwe. 2006. Government of Zimbabwe/United Nations Development Programme. Location: Harare, Zimbabwe. Recipients: Jeffrey Alwang and Central Statistical Office of Zimbabwe Poverty Analysis Team.

World Bank SPOT Award for Research Excellence, 2005.

International Food Policy Research Institute, International Essay Competition on Measuring the Value of Social Science Research, first place, 1997 (with George Norton).

Invited lecturer, Christiann Michelsen Institute, Bergen, Norway, January 1997.

American Agricultural Economics Association, Quality of Research Finding Honorable Mention, 1994 (with Paul Driscoll), for article "Welfare Analysis when Budget Constraints are Non-linear: The Case of Flood Hazard Reduction," *Journal of Environmental Economics and Management*

American Agricultural Economics Association, Quality of Communication Award, 1993 (with George Norton), for book *Introduction to Economics of Agricultural Development*.

## PUBLICATIONS

### *Books or monographs authored*

George W. Norton, Jeffrey Alwang and William A. Masters. *Economics of Agricultural Development*. 4<sup>th</sup> Edition. New York: Routledge Press, 2021.

Victor Hugo Barrera Mosquera, Jorge Delgado, Jeffrey Alwang, Luis Escudero, Juan Arévalo, Yamil Cartagena. 2020. *Prácticas de agricultura de conservación que promueven la productividad y sostenibilidad del sistema de producción papa-pastos en la microcuenca del río Illangama, Ecuador*. Boletín Divulgativo No. 448. Editorial ARCOIRIS Producción Gráfica. Quito, Ecuador. 38 pp

Victor Hugo Barrera Mosquera, Jeffrey Alwang, T Casanova, Juan Manuel Domínguez, Luis Orlando Escudero, G Llor, G Pena, J. Parraga, Juan Arevalo, Jaime Quiroz. 2018. *La cadena de valor del cacao y el bienestar de los productores en la provincia de Manabí-Ecuador*. Instituto Nacional de Investigaciones Agropecuarias (INIAP). Libro Técnico No. 173, ARCOIRIS Producciones Graficas, Quito, Ecuador, 160 pp.

Victor Hugo Barrera, Jeffrey Alwang, Graciela Andrango, Juan Manuel Domínguez, Luis Escudero, Anibal Martínez, Rosendo Jácome, and Juan Arévalo. *La cadena de valor de la mora y sus impactos en la Región Andina del Ecuador*. Instituto Nacional de Investigaciones Agropecuarias (INIAP). Boletín Técnico No. 171, ARCOIRIS Producciones Graficas, Quito, Ecuador, 2017.

Thomas S. Walker and Jeffrey Alwang, *Improved varieties of food crops in sub-saharan Africa*, Great Britain: CAB International (CABI) Press, 2015.

George W. Norton, Jeffrey Alwang and William A. Masters. *Economics of Agricultural Development*. 2<sup>nd</sup> Edition. New York: Routledge Press, 2010.

Victor Hugo Barrera, Jeffrey Alwang and Elena Cruz. *Experiencias de manejo integrado de recursos naturales en la subcuenca del río Chimbo, Ecuador*. Editorial ABYA-YALA. Quito, Ecuador, 2010.

Victor Hugo Barrera, Jeffrey Alwang and Elena Cruz. *Manejo integrado de los recursos naturales para agricultura de pequeña escala en la subcuenca del río Chimbo-Ecuador: Aprendizajes y enseñanzas*. Quito: INIAP and SENACYT, 2008.

Jeffrey Alwang, Nelson Taruvinga and Rees Mpofu. *Zimbabwe Poverty Assessment: Analysis of 2001 ICES Data*. Harare: Government of Zimbabwe Printing Office, 2007.

George W. Norton, Jeffrey Alwang and William A. Masters. *Economics of Agricultural Development*. New York: Routledge Press, 2006.

Paul B. Siegel and Jeffrey Alwang. *Poverty Reducing Potential of Smallholder Agriculture in Zambia: Opportunities and Constraints*. Africa Region Working Paper Series no. 85. Washington, DC: The World Bank, 2005.

Victor Hugo Barrera, Luis O. Escudero, George W. Norton and Jeffrey Alwang. *Encontrando Salidas para Reducir los Costos y la Exposición a Plaguicidas en los Productores de Papa. Experiencia de la Intervención en la Provincia del Carchi, Ecuador*. Quito: INIAP, 2004.

Jeffrey Alwang, Bradford F. Mills and Nelson Taruvinga. *Why Has Poverty Increased in Zimbabwe? Poverty Dynamics in Africa Monograph*. Washington, D.C.: The World Bank, 2002.

Jeffrey Alwang, Paul B. Siegel and Steen Lau Jorgensen. *Vulnerability: A view from different disciplines*. Social Protection Discussion Series no. 0115. Washington, DC: The World Bank, 2001.

Paul B. Siegel, Jeffrey Alwang and Sudharshan Canagarajah. *Viewing microinsurance as a risk management instrument*. Social Protection Discussion Series no. 0116. Washington, DC: The World Bank, 1999.

Paul B. Siegel and Jeffrey Alwang. *An Asset-based approach to social risk management: A conceptual framework*. Social Protection Discussion Series no. 9926. Washington, DC: The World Bank, 1999.

Jeffrey Alwang, Nelson Taruvinga, Lenord Turugari, Daniel Massimu and Rees Mpofu. *Poverty in Zimbabwe*. Harare: Government of Zimbabwe Printing Office and the World Bank, 1998.

Jeffrey Alwang and Paul B. Siegel. *Zambia Poverty Assessment Volume 2: Rural Poverty*. Washington, D.C.: The World Bank, Report No. 12985-ZA, 1994. 150 pp.

George W. Norton and Jeffrey Alwang. *Introduction to Economics of Agricultural Development*. New York: McGraw-Hill, 1993.

Ridwan Ali, Jeffrey Alwang and Paul B. Siegel. *Is export diversification the best way to achieve export growth and stability?: a look at three African countries*. Southern Africa Department, Agricultural Working Paper Series no. WPS. 729. Washington, DC: The World Bank, 1991.

#### *Book chapters*

George W. Norton, Jeffrey Alwang, Menale Kassie and R. Muniappan. 2019. Economic Impacts of Integrated Pest Management Practices in Developing Countries. In *Economics of Integrated Pest Management of Insects*, ed. D. Onstad and P. Crain, Boston: CABI International: 140-154.

- Jose Ochoa, Corina Clements, Victor Hugo Barrera, Juan Manuel Dominguez, Mike Ellis and Jeffrey Alwang. 2016. "IPM Packages for Naranjilla—Sustainable Production in an Environmentally Fragile Region", Chapter 9 in Rangaswamy Muniappan & E. A. Heinrichs, eds, *Integrated Pest Management of Tropical Vegetable Crops*, Dordrecht: Springer-Business.
- Vanessa Carrion, Patricio Gallegos, Victor Hugo Barrera, George W. Norton and Jeffrey Alwang. 2016. "IPM technologies for potato producers in highland Ecuador", Chapter 10 in Rangaswamy Muniappan & E. A. Heinrichs, eds, *Integrated Pest Management of Tropical Vegetable Crops*, Dordrecht: Springer-Business.
- George W. Norton, Jeffrey Alwang, and Majdeddin Sayed Issa. 2016. "Impacts of IPM on Vegetable Production in the Tropics", Chapter 14 in Rangaswamy Muniappan & E. A. Heinrichs, eds, *Integrated Pest Management of Tropical Vegetable Crops*, Dordrecht: Springer-Business.
- Jeffrey Alwang. 2015. "Investments in and impacts of crop improvement research in Africa", Chapter 2 in Thomas S. Walker and Jeffrey Alwang (eds.), *Improved varieties of food crops in sub-Saharan Africa*.
- Jeffrey Alwang. 2015. "Implications for monitoring progress and assessing impacts", Chapter 19 in Thomas S. Walker and Jeffrey Alwang (eds.), *Improved varieties of food crops in sub-Saharan Africa*.
- Thomas S. Walker and Jeffrey Alwang. 2015. "Synthesis of Findings", Chapter 21 in Thomas S. Walker and Jeffrey Alwang (eds.), *Improved varieties of food crops in sub-Saharan Africa*.
- Di Zeng, Jeffrey Alwang, George W. Norton, Bekele Shiferaw, Moti Jaleta and Chilot Yirga. 2015. "Maize technologies and rural poverty reduction in Ethiopia", Chapter 15 in Thomas S. Walker and Jeffrey Alwang (eds.), *Improved varieties of food crops in sub-Saharan Africa*.
- Catherine Larochelle, Jeffrey Alwang, George W. Norton, Enid Katungi, and Ricardo A. Labarta. 2015. "Impacts of Improved Bean Varieties on Poverty and Food Security in Uganda and Rwanda", Chapter 16 in Thomas S. Walker and Jeffrey Alwang (eds.), *Improved varieties of food crops in sub-saharan Africa*.
- George W. Norton and Jeffrey Alwang. 2015. The Role of Impact Assessment in Evaluating Agricultural R & D. Chapter 11 in *Agricultural Research in Africa: Investing in Future Harvests*. Washington, DC: IFPRI/ASTI.
- Jeffrey Alwang, George W. Norton, Victor Barrera and Ruben Botello. 2013. Conservation Agriculture in the Andean Highlands: Promise and Precautions. Chapter 3 in S. Mann (ed.), *The Future of Mountain Agriculture*, Springer Geography, DOI: 10.1007/978-3-642-33584-6\_3, Berlin Heidelberg: Springer-Verlag.
- Sibusisu Moyo, George W. Norton, Jeffrey Alwang, Ingrid Rhinehart and Mike Deom. 2011. "Peanut Research and Poverty Reduction: Impacts of Variety Improvement to Control Peanut Viruses in Uganda" Chapter 53 in *Agricultural Development: Critical Concepts in Development Studies*, edited by Christopher B. Barrett, New York: Routledge Press.
- Jeffrey Alwang and Andrew Sowell. 2010. "Socioeconomic factors affecting soil and water conservation in South America" chapter 18 (pp. 305-319) in Ted Napier, ed *Human Dimensions*

*of Soil and Water Conservation*. Nova Science Publishers: Hauppauge NY.

Jeffrey Alwang, Victor Hugo Barrera, Robert Andrade, Sarah Hamilton and George W. Norton. 2009. "Adaptive watershed management in the South American highlands: Learning and teaching on the fly." Chapter 10 in Moore, Keith M. (editor). *The Sciences and Art of Adaptive Management: Innovating for Sustainable Agriculture and Natural Resource Management*. Soil and Water Conservation Society. Ankeny, Iowa.

Hans G. P. Jansen, Paul B. Siegel, Jeffrey Alwang and Francisco Pichon. 2007 "Geography, livelihoods and rural poverty in Honduras: An Empirical Analysis using an Asset-base Approach". Pp. 221-256 in: Stephan Klasen and Felicitas Nowak-Lehmann (eds) *Poverty, Inequality and Migration in Latin America*. Berlin: Peter Lang Verlag.

Jeffrey Alwang, Steven C. Weller, Guillermo E Sanchez, Luis Calderon, C.R. Edwards, Sarah Hamilton, Roger Williams, Mike Ellis, Carmen Suarez, Victor Hugo Barrera, Charles Crissman and George W. Norton. 2005. "Developing IPM packages in Latin America," chapter 5 in *Globalizing Integrated Pest Management: A Participatory Research Process*, G.W. Norton, E.A. Heinrichs, G.C. Luther and M.E. Irwin editors. Ames Iowa: Blackwell Publishing.

George W. Norton and Jeffrey Alwang. 2004. "Measuring Benefits of Policy-Oriented Social Science Research: Evidence from Two Developing Countries", Chapter 10 in P.G. Pardey and V.H. Smith, eds. *What's Economics Worth?* Baltimore: Johns Hopkins University Press.

Jeffrey Alwang, and Paul B. Siegel. 2003. "Measuring the impacts of agricultural research on poverty reduction: Improving the dialogue between policymakers and research managers," Chapter 5 in S. Mathur and D. Pachico, eds, *Agricultural Research and Poverty Reduction: Some Issues and Evidence*. Cali: CIAT Publications.

#### *Papers in refereed journals*

- (110) Garber, Ben, Jeffrey Alwang, George W. Norton and John Bovay. 2022. Beef and the Bottom Line: The Effect of Value-Added Certification on Feeder Cattle Profitability. *Journal of Agricultural and Applied Economics*, 54: 157-174.
- (109) Barrera, Victor, Jorge Delgado, and Jeffrey Alwang. 2021. Conservation Agriculture Can Help the South American Andean Region Achieve Food Security. *Agronomy Journal*, 113: 4494-4509.
- (108) Cai, Chaohua, Quinying He and Jeffrey Alwang 2021. Money is Time: Geographical Distance and Intergenerational Support to Aging Parents in Rural China. *Economic Research-Ekonomska Istraživanja*. <https://doi.org/10.1080/1331677X.2021.2013273>
- (107) Villacis-Aveiga, Alexis, Jeffrey Alwang and Victor Barrera. 2022. Prices, Specialty Varieties, and Post-Harvest Practices: Insights from Cacao Value Chains in Ecuador. *Agribusiness*. DOI: 10.1002/agr.21730
- (106) Yigezu Yigezu, Zewdie Bishaw, Abdoul Aziz Niane, Jeffrey Alwang, Tamer El-Shater, Mohamed Boughala, Aden Aw-Hassan, Wuletaw Tadesse, Filippo M. Bassi, Ahmed Amri and Michael Baum. 2021. Institutional and farm-level challenges limiting the diffusion of new varieties from public and CGIAR centers: A Moroccan case study. *Food Security*, 13: 1359-1377.

- (105) Villacis-Aveiga, Alexis, Jeffrey Alwang and Victor Barrera. 2021. Linking risk preferences and risk perceptions of climate change: A prospect theory approach. *Agricultural Economics*, pp. 1–15. DOI: 10.1111/agec.12659
- (104) Myrick, Stephanie, Willy Pradel, Canhui Li, Victor Suarez, Guy Hareau, Catherine Larochele, George W. Norton, and Jeffrey Alwang. 2021. The curious case of C-88: Impacts of a potato variety on farmers in Yunnan, China. *CABI Agriculture and Bioscience*, 2(3), online.
- (103) Larochele, Catherine and Jeffrey Alwang. 2021 Impacts of improved bean variety adoption on dietary diversity and food security in Rwanda. *The European Journal of Development Research*, 34, 1144-1166. <https://doi.org/10.1057/s41287-021-00376-2>.
- (102) Villacis-Aveiga, Alexis, Ford Ramsey, Jeffrey Alwang and Jorge Delgado. 2020. Estimating economically optimal levels of nitrogen fertilizer in no-tillage continuous corn. *Journal of Agricultural and Applied Economics*, 52: 613–623.
- (101) Bernal-Galeano, Vivian, George W. Norton, David Ellis, Noel Angelin, Guy Hareau, Melinda Smale, Nelissa Jamora, Jeffrey Alwang and Willy Pradel. 2021. Andean potato diversity conserved in the International Potato Center genebank helps develop agriculture in Uganda: the example of the variety ‘Victoria’. *Food Security*, 12: 959–973.
- (100) Delgado, Jorge, Victor H. Barrera Mosquera, Jeffrey R. Alwang, Alexis Villacis-Aveiga, Yamil E. Cartagena Ayala, Donna Neer, Carlos Monar and Luis O. Escudero Lopez. 2021. Potential Use of Cover Crops for Soil and Water Conservation, Nutrient Management, and Climate Change Adaptation Across the Tropics. *Advances in Agronomy*, 165: 175-247
- (99) Carrion-Yaguana, Vanessa and Jeffrey Alwang. 2020. Promoting behavioral change using text messages: A case study of blackberry farmers in Ecuador. *Journal of Agricultural and Applied Economics*, 52:398–419.
- (98) Buck, Steven, Yoko Kusunose and Jeffrey Alwang. 2021. Re-visiting traditional trust measurement: using artefactual field experiments to measure trust and predict micro-lending decisions *Agricultural Finance Review*, 81(1):132-150.
- (97) Norton, George W. and Jeffrey Alwang. 2020. Changes in agricultural extension and implications for farmer adoption of new practices. *Applied Economic Policy Perspectives*, 42(1): 8-20.
- (96) Mosquera, Victor H., Jorge A. Delgado, Jeffrey R. Alwang, Luis Orlando Escudero López, Y.E. C. Ayala, J.M. D. Andrade, and R. D’Adamo. 2019. Conservation agriculture increases yields and economic returns of potato, forage, and grain systems of the Andes. *Agronomy Journal*. 111:2747-2753.
- (95) Jeffrey Alwang, Victor Hugo Barrera, Graciela Andrango, Juan Manuel Dominguez, Anibal Martinez, Luis Escudero and Carlos Montufar. 2019. Value-chains in the Andes: Upgrading for Ecuador’s blackberry producers. *Journal of Agricultural Economics*, [70\(3\): 705-730](https://doi.org/10.1093/jipm/pmz008).
- (94) Jeffrey Alwang, George W. Norton and Catherine Larochele. 2019. “Obstacles to widespread diffusion of IPM in developing countries: Lessons from the field,” *Journal of Integrated Pest Management*, Volume 10(1). <https://doi.org/10.1093/jipm/pmz008>

- (93) Corinna Clements, Jeffrey Alwang and Ramadahni Achdiawan. 2019. Value chain approaches in a stagnant industry: The case of furniture production in Jepara, Indonesia. *Bulletin of Indonesian Economic Studies*, 55(3): 341-365.
- (92) Yigezu A. Yigezu, Jeffrey Alwang, M. Wakilur Rahman, M. Bazlur R. Mollah, Tamer El-Shater, Aden Aw-Hassan and Ashutosh Sarker. 2019. Is DNA fingerprinting the gold standard for estimation of adoption and impacts of improved lentil varieties? *Food Policy*, 83: 48-59.
- (91) Jorge A. Delgado, Victor Hugo Barrera, Luis O. Escudero, Yamil E. Cartagenta Ayala, Jeffrey Alwang, Richard C. Stehouwer, Juan C. Arvalo, Robert D'Adamo, Juan Manuel Dominguez, Franklin Valverde & Soraya P. Alvarado. 2019. Conservation agriculture increases profits in an Andean region of South America, *Agrosystems, Geosceinces & Environment*, 2(1).
- (90) Ali Reza Oryoe and Jeffrey Alwang. 2018. School attendance and economic shocks: Evidence from rural Zimbabwe. *Development Southern Africa*, 35(6): 803-814.
- (89) Michael J. Guerci, George W. Norton, Malik N. Ba, Ibrahim Baoua, Jeffrey Alwang, Laouali Amadou, Oumou Moumouni, Laouali Karimoune & Rangaswamy Muniappan. 2018. Economic feasibility of an augmentative biological control industry in Niger. *Crop Protection (TSI)* 110: 34-40.
- (88) Di Zeng, Jeffrey Alwang, George W. Norton, Bekele Shiferaw & Moti Jaleta. 2018. Land ownership and technology adoption revisited: Improved maize varieties in Ethiopia. *Land Use Policy*, 72: 270-279.
- (87) Jeffrey Alwang, Samy Sabry, Kamel Shideed, Atef Swelam & Habib Halila. 2018. Economic and food security benefits associated with raised-bed wheat production in Egypt. *Food Security* 10: 589-601
- (86) Catherine Larochelle, Jeffrey Alwang, Elli Travis, Victor Hugo Barrera and Juan Manuel Dominguez. 2017. Did you really get the message? Using text reminders to stimulate adoption of agricultural technologies. *Journal of Development Studies* 55(4): 548-564.
- (85) Jeffrey Alwang, Elisabetta Gotor, Graham Thiele, Guy Hareau, Moti Jaleta and Jordan Chamberlin. 2019. Pathways from research on improved staple crop germplasm to poverty reduction for smallholder famers. *Agricultural Systems* 172: 16-27.
- (84) Ali Reza Oryoe, Jeffrey Alwang and Nicolas Tideman. 2017. Child labor and household land holding: Theory and empirical evidence from Zimbabwe. *World Development* 100:45-58
- (83) Jarrad Farris, Catherine Larochelle, Jeffrey Alwang, George W. Norton & Caleb King. 2017. Poverty Analysis Using Small Area Estimation: An Application to Conservation Agriculture in Uganda. *Agricultural Economics* 48(6): 671-681.
- (82) Di Zeng, Jeffrey Alwang, George W. Norton, Bekele Shiferaw and Moti Jaleta. 2017. Agricultural technology adoption and child nutrition: Improved maize varieties in rural Ethiopia. *Agricultural Economics*, 48(5): 573-586.
- (81) Jeffrey Alwang, Catherine Larochelle and Victor Hugo Barrera. 2017. Farm decision making and gender: Results from a randomized experiment in Ecuador, *World Development* 92:117-129.



- (80) Michael Barrowclough and Jeffrey Alwang. 2017. Farmer preferences for conservation agriculture attributes: A choice experiment from Ecuador. *Environment, Development and Sustainability* 20: 2681–2705.
- (79) Corinna Clements, Jeffrey Alwang, Victor Hugo Barrera and Juan Manuel Dominguez. 2017. Graft is good: the economic and environmental benefits of grafted naranjilla in the Andean region. *Renewable Agriculture and Food Systems* 32(4): 306 - 318
- (78) Victor Hugo Barrera, Michael Barrowclough, Juan Manuel Dominguez, Jorge A. Delgado, Richard Stehouwer, Rob Gallagher and Jeffrey Alwang. 2016. Conservation agriculture on steep slopes in the Andes: Promise and obstacles. *Journal of Soil and Water Conservation* 71(2): 91-102.
- (77) Catherine Larochelle, Jeffrey Alwang, and Nelson E. Taruvinga. 2016. Schooling achievement among rural Zimbabwean children during a period of economic turmoil, *Comparative Education Review* 60(2): 311-338.
- (76) Vanessa Carrión Yaguana, Jeffrey Alwang, George W. Norton, and Victor Hugo Barrera. 2016. Does IPM have staying power? Revisiting a potato-producing area years after formal training ended. *Journal of Agricultural Economics* 67(2): 308-323.
- (75) Di Zeng, Wen You, Bradford Mills, Jeffrey Alwang, Michael Royster and Rexford Anson-Dwamena. 2015. A closer look at the rural-urban health disparities: Insights from four major diseases in the Commonwealth of Virginia, *Social Science and Medicine* 140:62-68.
- (74) Quentin Stoeffler, Jeffrey Alwang, Bradford F. Mills and Nelson Taruvinga. 2016. Multidimensional poverty in crisis: Lessons from Zimbabwe, *Journal of Development Studies* 52 (3): 428-446.
- (73) Kate Vaiknoris, George W. Norton and Jeffrey Alwang. 2015. Farmer preferences for attributes of conservation agriculture in Eastern Uganda, *African Journal of Agricultural and Resource Economics* 10(2): 158-173.
- (72) Catherine Larochelle and Jeffrey Alwang. 2015. Explaining marketing strategies among Bolivian potato farmers. *Quarterly Journal of International Agriculture* 54(3): 283-306.
- (71) Di Zeng, Jeffrey Alwang, George W. Norton, Bekele Shiferaw and Moti Jaleta. 2015. Ex-Post impacts of improved maize varieties on poverty in rural Ethiopia. *Agricultural Economics*, 46(4): 515-526.
- (70) Ana K. Saavedra, Jorge A. Delgado, Ruben Botello, Pablo Mamani, Jeffrey Alwang. 2014. A new N index to assess nitrogen dynamics in potato production systems of Bolivia, *Agrociencia* 48(7): 667-678.
- (69) Howard S., J. Alwang, G. Norton, W. Secor, J. Gao. and several others. 2014. Onion ipmPIPE: A coordinated effort to improve the management of onion thrips and iris yellow spot virus for the U.S. onion industry, *Plant Health Review*, 15(4): 172-183.
- (68) Luis Escudero, Jorge Delgado, Carlos Monar, Franklin Valverde, Víctor Hugo Barrera, and Jeffrey Alwang. 2014. A new nitrogen index for assessment of nitrogen management of Andean mountain cropping systems of Ecuador, *Soil Science* 179: 130–140.

- (67) Amy Buckmaster, Jeffrey Alwang, Everett Peterson and Mauricio Rivera. 2014. Going the distance: How does market access affect demand for IPM packages? *Journal of Integrated Pest Management* 5(1): B1-B7(7)
- (66) Catherine Larochelle, Jeffrey Alwang and Nelson Taruvinga. 2014. Inter-temporal changes in well-being during a period of hyperinflation: Evidence from Zimbabwe, *Journal of African Economies* 23(2): 225-256.
- (65) Leah M. Harris, George W. Norton, A.N.M. Rezaul Karim, Jeffrey Alwang, and Daniel B. Taylor. 2013. Bridging the Information Gap with Cost-Effective Dissemination Strategies: The Case of Integrated Pest Management in Bangladesh. *Journal of Agricultural and Applied Economics* 5(4):1-16.
- (64) Carlos Monar, Ana Karina Saavedra, Luis Escudero, Jorge A. Delgado, Jeffrey Alwang, Victor Hugo Barrera and Ruben Botello. 2013. Positive impacts in soil and water conservation in an Andean region of South America: Case scenarios from a USAID multidisciplinary cooperative project. *Journal of Soil and Water Conservation*, Jan/Feb 2013, v. 68(1): 25A-30A.
- (63) John Adam Sparger, George W. Norton, Paul Heisey and Jeffrey Alwang. 2013. Is the Share of Agricultural Maintenance Research Rising in the United States? *Food Policy* 38: 126-136.
- (62) Abigail Nguema George W. Norton, Jeffrey Alwang, Daniel B. Taylor, Victor Barrera and Michael Bertelsen. 2013. Farm-level economic impacts of conservation agriculture in Ecuador. *Experimental Agriculture* 49(1): 134-147.
- (61) Brad Copenhaver, Mary Elmer, Robert Gaffney, Caitlin Shaw and Jeffrey Alwang. 2012. The Twin-Transfer Squeeze and Rural America: Vulnerability of Rural Virginia Counties to Funding Changes in Federal and State Transfer Programs, *Choices* (AAEA), October <http://www.choicesmagazine.org/choices-magazine/submitted-articles/the-twin-transfer-squeeze-on-rural-households-and-governments-in-virginia>
- (60) Pablo Mamani, Karina Saavedra, Edino Gonzales and Jeffrey Alwang. 2012. La agricultura de conservación: un posible camino hacia una mejor gestión de los recursos, mayor productividad y mejores condiciones socioeconómicas en la región andina, *Revista de Agricultura* (Bolivia), v. 51: 35-38.
- (59) Catherine Larochelle and Jeffrey Alwang. 2012. The role of risk mitigation in production efficiency: A case study of potato cultivation in the Bolivian Andes, *Journal of Agricultural Economics* 64(2):363-381.
- (58) Nadezda Amaya and Jeffrey Alwang. 2012. Women rule: Potato markets and access to information in the Bolivian highlands, *Agricultural Economics* 43(4): 403-413.
- (57) Victor Hugo Barrera, Luis Escudero, Robert Andrade and Jeffrey Alwang. 2012. Integrated management of natural resources in the Ecuador Highlands, *Agricultural Sciences*, pp.768-779, Pub. Date: 2012-09-21. DOI: 10.4236/as.2012.35093
- (56) Victor Hugo Barrera and Jeffrey Alwang. 2012. Agricultural innovation for enhanced natural resources in the Ecuador Highlands, *New Agriculturalist: Research and Innovation*, May 2012 <http://www.new-ag.info/en/research/innovationItem.php?a=2601>

- (55) Jeffrey Alwang and Antonio Gandarillas. 2012 Investigaciones en el manejo sostenible de cuencas y recursos en la agricultura tradicional: El caso de Tiraque, Bolivia, *Revista de Agricultura* (Bolivia) 51: 3-6.
- (54) Michael Castelhana, Jeffrey Alwang, Nicolai Kuminoff and Ruben Botello. 2012. Eligen los agricultores las variedades de papa a producir como una forma de manejar mejor el riesgo que implica esta actividad? *Revista de Agricultura* (Bolivia) 51: 39-46.
- (53) Nadezda Amaya and Jeffrey Alwang. 2012. "Acceso a información, relaciones de género y acceso a los mercados de papa en la cuenca Jatun Mayu localizada en Tiraque, Bolivia, *Revista de Agricultura* (Bolivia) 51: 63-72.
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*Other papers and reports (recent)*

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## **TEACHING AND ADVISING**

### *Theses and dissertations chaired*

Ben Garber. 2021. Assessing the Benefits of Virginia Tech Agricultural Programs: Studies in Feeder Cattle Certification and Small Grains Breeding

Alexis Villacis-Aveiga. 2020. Three essays on economic development. PhD. First position: Assistant Professor, Applied Economics and Agribusiness, Arizona State University.

Zhen Cheng, 2019, PhD Agricultural and Applied Economics, Virginia Tech. First position: Assistant Professor, Chengdu University.

Zeya Zhang, 2021. PhD Agricultural and Applied Economics, Virginia Tech.

Stephanie Myrick. 2016. An Economic Impact Assessment of Cooperation-88 Potato Variety in the Yunnan Province of China. MS Agricultural and Applied Economics, Virginia Tech

Corinna Clements. 2016. Assessing the Impact of the Jepara Furniture Value Chain Project. MS Agricultural and Applied Economics, Virginia Tech.

Catherine O'Donnell, 2016. Peruvian Food Insecurity in The Face of Recurrent Natural Disasters: A Two-Step Adoption Analysis for Improved Potato Varieties. MS Agricultural and Applied Economics, Virginia Tech.

Ali Reza Oiriyo. 2016. Essays on Child Labor and Inequality Analysis, PhD Economics, Virginia Tech (co-chair Nic Tideman). First position: Assistant professor, University of Tehran.

Vanessa Carrion. 2016. Three essays on development economics. PhD, Agricultural and Applied Economics, Virginia Tech. First position: Analyst, Commission on Electoral Integrity, Ecuador; Assistant professor, Catholic University, Ecuador.

Michael Barrowclough. 2016. Three essays evaluating tradeoffs in agricultural decision making. PhD, Agricultural and Applied Economics, Virginia Tech. First position: Assistant Professor, Central Illinois University.

Jarrad Farris. 2015. Assessing the Potential of a Locally Adapted Conservation Agriculture Production System to Reduce Rural Poverty in Uganda's Tororo District. M.S., Agricultural

- and Applied Economics, Virginia Tech. (co-chair George Norton). First position: Graduate student, Michigan State University.
- Elli Travis. 2015. The Impact of Text Messages on Adoption and Knowledge of Integrated Pest Management Practices: A Randomized Control Trial Study of Potato Farmers in Carchi, Ecuador. M.S., Agricultural and Applied Economics, Virginia Tech. (co-chair Catherine Larochelle). First position: Office of Economic Development, Virginia Tech.
- Eric Asare. 2015. MS Economics, non-thesis option. First position: Graduate student, Texas Tech University.
- Di Zeng. 2014. Three Essays on Adoption and Impacts of Improved Maize Varieties in Ethiopia. PhD. Agricultural and Applied Economics, Virginia Tech. First position: Post-doc, University of Arkansas, current position Assistant professor, University of Adalaide.
- Chao Yang. 2014. Does It Matter Who We Ask in Household Surveys? A Study on Gendered Effects and Decision Making Processes in Ecuador. M.S., Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, University of Wisconsin.
- Nadezda Amaya. 2014. M.S. Economics, Virginia Tech. First position: Gender specialist, International Center for Maize and Wheat Research (CIMMYT, Mexico City, Mexico).
- Angel Campoverde. 2014. Non-thesis option, M.S., Agricultural and Applied Economics, Virginia Tech.
- Horache Happy Phiri. 2013. The Political Economy of Food Policies in Malawi: A Case of Maize Policy. PhD, Department of Agriculture and Resource Economics, University of Malawi. External reviewer.
- Sally Brady. 2013. Non-thesis option, M.S., Agricultural and Applied Economics, Virginia Tech.
- Nick Zetts. 2012 Teaching Pesticide Safety Techniques to farmers and their families while formulating appropriate IPM techniques for future use in in the Andes community of Cahuasqui for *Persea americana*. M.S. On-line Degree Program, College of Agriculture and Life Sciences, Virginia Tech.
- William Glen Secor. 2012. Two Essays on Evaluation Challenges in Integrated Pest Management: An Evaluation Design for the Onion ipmPIPE and Identifying Women's Crops and Agricultural Technologies. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. (co-chair George Norton). First position: Graduate student, University of Minnesota.
- Amy D. Buckmaster. 2012. Going the Distance: The Impact of Distance to Market on Smallholders Crop and Technology Choices. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Analyst, Auto Zone, Roanoke, VA.
- Catherine Larochelle. 2011. Three essays on productivity and risk, marketing decisions, and changes in well-being over time. PhD Dissertation, Economics, Virginia Tech. First position: Assistant professor, Virginia Tech.
- Lindsay Hall. 2010. International Water Management: A Framework to Evaluate Past Causes, Current Issues and Future Challenges of Equitable and Efficient Global Management.

- Undergraduate Honors Thesis, Virginia Tech. First position: Law school, George Washington University.
- Nadezda Amaya. Major Advisor: Alwang J. December 2009. Effects of access to information on farmer's market channel choice: The Case of Potato in Tiraque Sub-watershed (Cochabamba - Bolivia). M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, Virginia Tech.
- Robert Andrade. 2008. Livelihood strategies of farmers in Bolivar, Ecuador: asset distribution, activity selection and income generation decisions in rural households. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Impact assessment leader, Center for research on tropical agriculture (CIAT, Cali, Colombia).
- Michael Castelhana. 2008. Staple Crop Diversity and Risk Mitigation- Potatoes in Bolivia. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, Cal Davis.
- Aissatou Ouedraogo. 2008. Reaching the Chronic Poor and Food Insecure after a Disaster: The Case of Niger. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: JPAL, Mali.
- Carlos Elias. 2008. Balancing competing development objectives in the Trifinio region of Central America: economic and social development and environmental protection. PhD Dissertation, Economics, Virginia Tech. First position: Owner, consulting firm
- Katherine Eriksson. 2007. Exploring Changes in Poverty in Zimbabwe between 1995 and 2001 using Parametric and Nonparametric Quantile Regression Decomposition Techniques. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, UCLA, current position Associate professor, Department of Economics, University of California, Davis.
- Steven Buck. 2006. The Role of Trust in Knowledge Acquisition, Technology Adoption and Access to Bank Loans: Results from Field Experiments in the Ecuadorian Amazon. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, University of California, Berkeley, current position Assistant Professor, University of Kentucky.
- Carolina Baez 2004. "Potential Economic Benefits from Plantain Integrated Pest Management Adoption: The Case of Coastal Rural Households in Ecuador." M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Academic advisor, Universidad de SanFrancisco, Ecuador.
- Maria Mauceri 2004. "Adoption of Integrated Pest Management Technologies: A Case Study of Potato Farmers in Carchi, Ecuador," M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Non-profit, North Carolina.
- Sibusiso Moyo 2004. The Economic Impact of Peanut Research on the Poor: The Case of Resistance Strategies to Control Peanut Viruses in Uganda, M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Statistical analyst, Chase Econometrics.
- Emily Jean Coppidge. 2004 An Economic Assessment of the Green Industry in Virginia. M.S. Thesis, Agricultural and Applied Economics, Virginia Tech.

- Lire Ersado. 2001. "Three Essays in Development Economics: Savings Behavior and Risk; Health and Public Investments; and Sequential Technology Adoption." Ph.D. Dissertation, July, pp. Won Driscoll Award for Best Dissertation. First position: Post-doc, IFPRI, current position, Senior Economist, World Bank.
- Kenneth Spear. 2001. "Effects of Credit, Income Diversification, and Other Factors on Child Nutrition in Malawi." M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Peace Corps Volunteer, Tunisia.
- Shangguan Zhaoyun. 2000. "Food Stamp Participation and Welfare in the Non-Metropolitan United States." M.S. Thesis, Agricultural and Applied Economics, Virginia Tech. First position: Graduate student, University of Connecticut.
- Rodwell Chingwuo, 2000. MS. Non-thesis option.
- Godfrey Gibbison. 1999. "Mother's Marital Status and the Educational Attainment of Children in Jamaica." Ph.D. Dissertation. First position: Assistant professor, Caribbean University, Kingston, current position: Provost, College of Charleston, Charleston, SC.
- Luke Colativo. 1997. High Hill Yak Cheese Production in Nepal: An Analysis of Privatization Policy Incorporating the Impacts of Market Failures for Agro-Industries in Developing Countries. Ph.D. Dissertation. First position: Consultant, Winrock.
- Katherine Niles. 1996. Pinpointing Production Constraints Faced by Female-Headed Households in Rural Malawi. M.S. Thesis. First position: Peace Corps Volunteer, Guatemala, current position: Associate Professor, Department of Economics, University of California, Davis.
- Anna M. Cox. 1996. Proactive Industrial Targeting: An Application of the Analytical Hierarchy Process. M.S. Thesis. First position: Research analyst, University of Missouri.
- Thomas M. Bailey. 1996. Analysis of Firm Desirability Among Virginia's Economic Development Directors. M.S. Thesis. First position: Graduate student, University of Kentucky.
- David Novak. 1996. Meeting State Waste Stream Reduction Mandates Through Recycling: Examining Residential Waste Disposal Behavior in Rural Virginia. M.S. Thesis. First position: Graduate student, Virginia Tech.
- Janet Hunter. 1995. An Analysis of the Ability of Virginia's Water Systems to Finance System Improvements. M.S. Thesis. First position: Chancellor, Arizona Community College.
- Ari Mwachofi. 1995. Comparative Study of Rural Virginia Farm and Non Farm Household Labor Supply. Ph.D. Dissertation. First position: Assistant professor, University of Arkansas.
- Jaime Ortiz. 1993. The Effects of Agricultural Price Policies on the Funding of Agricultural Research in Chile, 1960-1988. Ph.D. Dissertation. First position: Consultant, ETC Ecuador.
- Brady J. Deaton, Jr. 1993. The Influence of Communications Infrastructure on Agricultural Growth. M.S. Department of Agricultural and Applied Economics, Virginia Tech. First position: Peace Corps Volunteer, Swaziland. Current position: Professor, Department of Agricultural Economics, Guelph University.

Joseph C. Obidiegwu. 1992. Distribution of Primary Care Physicians in Rural Virginia. M.S. Thesis. First position: Tennis pro, Ft. Lauderdale.

Sang Won Hwang. 1992. Sustainable Use of Soil Resource Base in the Dominican Republic: A Farm Level Economic Analysis of Soil Conservation Practices. M.S. Thesis. First position: Graduate student, Virginia Tech.

Julio A. Carcamo. 1992. Sustainable Development in Honduras: Economic Evaluation of Soil Conservation Practices. M.S. Thesis. First position: Analyst, Sierra Club, Honduras.

Paul B. Siegel. 1992. The Relationship Between Changing Economic Structure and Performance: Diversification, Diversity, Growth, Stability, and Distributional Impacts. Ph.D. Dissertation. First position: Assistant professor, University of Tennessee.

Huilin Huang. 1991. Modelling Structural Change in the U.S. Demand for Meat. M.S. Thesis. First position: Research analyst, Asian Vegetable Development Research Center (AVDRC).