

CURRICULUM VITA

Carlos Enrique Carpio
Associate Professor
Department of Agricultural and Applied Economics
Texas Tech University
Box 42132
Lubbock, TX, 79409-2132
carlos.carpio@ttu.edu

Languages: Spanish (native language), English (fluent)

EDUCATION:

1999 B.Sc. Escuela Agrícola Panamericana “El Zamorano,” Honduras, 1999, Agriculture
2002 M.Sc. Texas Tech University, Agricultural and Applied Economics
2006 Ph.D. North Carolina State University, Economics (Minor in Statistics)

PROFESSIONAL EXPERIENCE:

1997 University of Cadiz, Spain, Visiting Research Scholar.
1997-1998 ECUAQUIMICA, Loja, Ecuador, Extension Agent.
1999 Visiting Research Scholar, Center of Economic Entomology, Illinois Natural History Survey, University of Illinois.
2000-2001 Research Assistant, Agricultural and Applied Economics, Texas Tech University.
2002 Teaching Assistant, Economics, North Carolina State University
2002-2006 Research Assistant, Agricultural and Resource Economics, North Carolina State University.
2006-2011 Assistant Professor, Applied Economics and Statistics, Clemson University.
2011 Assistant Professor, Economics, Clemson University.
2012 Associate Professor, Economics, Clemson University.
2012-2013 Associate Professor, Agricultural, Forest, and Environmental Sciences, Clemson University.
2013-present Associate Professor, Agricultural and Applied Economics, Texas Tech University.

INTERNATIONAL EXPERIENCE:

2001-present Publications of research conducted/related to Jordan, Ecuador, South Africa, Latin America, Sub-Saharan Africa, and Dominica.
2008 Economic Analysis of the Project “Low Carbon Development Scenario Analysis in Mexico. World Bank, Washington DC and Mexico.
2011- 2012 Economic Analysis of the Project “Low Carbon Development

Present Scenario Analysis in Colombia, World Bank, Washington DC and Colombia.
Present Ongoing research projects in Ecuador, Kenya, Honduras and Guatemala.

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:

Professional:

1. American Agricultural Economics Association, 2001 to present
2. Southern Agricultural Economics Association, 2001 to present
3. Southern Economics Association, 2007 to present

Honorary:

1. Member of the Honor Society of Agriculture Gamma Sigma Delta. December 1996 – Present.
2. Member of the Honor Society Phi Kappa Phi. May 2001-Present.

HONORS AND AWARDS:

Before Texas Tech University

1. German Government Scholarship to study the Agronomo Program (first, second and third year) at the Escuela Agrícola Panamericana “El Zamorano”, Honduras 1994-1996.
2. Dean’s Scholarship for the Ingeniero Agronomo Program (fourth year) at the Escuela Agrícola Panamericana “El Zamorano”, Honduras 1998.
3. *Valedictorian* of Escuela Agrícola Panamericana “El Zamorano”, Honduras 1999.
4. Outstanding Master Student of the Year awarded by the Graduate Student Association of the Department of Agricultural and Applied Economics of Texas Tech University. October, 2001.
5. Outstanding Student Paper. South East Region of the Decision Science Institute, Raleigh, NC, February 23-25, 2005.
6. 2007 Graduate School Ph.D. Dissertation Award for the College of Agriculture and Life Sciences, North Carolina State University, Raleigh, NC, 2007.
7. Third Place, Southern Agricultural Economics Association Poster Competition, February 2013.

At Texas Tech University

8. Ximena Paz, undergraduate research intern working under my supervision received two honorable mentions during the 2014 TTU Undergraduate Research Conference: Poster Presenter - Social Sciences, and Visiting Presenter.
9. Outstanding Selected Poster Award, Latin American Section-American Agricultural Economics Association, August 2017.
10. Outstand Faculty Research & Mentor Award, Agricultural Economics Graduate Student Association, Texas Tech University. 2017.

AREA OF EXPERTISE:

Consumer Demand

Applied Econometrics and Statistics

Food Security

Applied Agricultural and Environmental Economics

PATENTS: total of 0

PUBLICATIONS^{1,2}:

Books: total of 0

Book Chapters: total of 2

Before Texas Tech: total of 2

1. Wolf, T.K., B. Poling, R. Boyles, and C.E. Carpio. 2007. Vineyard Site Selection. In North Carolina Winegrape Growers Guide. Editor B. Poling. NC State University, Raleigh, NC.
2. Safley, C.D. and C.E. Carpio. 2007. Estimated Costs and Investment Analysis of Producing and Harvesting Chardonnay Grapes in North Carolina. In North Carolina Winegrape Growers Guide. Editor B. Poling. NC State University, Raleigh, NC.

Books and Book Chapters Edited: total of 0

Refereed Journals: total of 44 (Published 40; In press 4)

Published:

Before Texas Tech University: total of 22

1. Britt, M.L., O.A. Ramirez, and **C.E. Carpio**. "Effects of Quality Considerations and Climate/Weather Information on the Management and Profitability of Cotton Production in the Texas High Plains." *Journal of Agricultural and Applied Economics* 34(2002):561-83.
2. **Carpio, C.E.** and O.A. Ramirez. "Estudios Económicos sobre la Mitigación del Dióxido de Carbono Atmosférico en Latinoamérica." *Revista Asturiana de Economía (The Asturian Journal of Economics)*, (2002).
3. Ramirez, O.A., **C.E. Carpio**, R. Ortiz, and B. Finegan. "Economic Value of the Carbon Sink Services from Costa Rican Secondary Forests." *Environmental and Resource Economics* 21(2002): 23-46.
4. Ramirez, O.A., S. Mohanty S., **C.E. Carpio**, and M. Denning "Issues and Strategies for Aggregate Supply Response Estimation for Policy Analyses." *Journal of Agricultural and Applied Economics* 36(2004).
5. Robinson, K.L., K. Wilson, **C. Carpio**, and D. Hughes. "Linking Sustainable Agriculture and Community Development: The Lowcountry Food Bank's Use of Locally Grown

¹ Indicate graduate/undergraduate students with an asterisk (*).

² Put your name in bold

Foods.” *Community Development: The Journal of the Community Development Society* 28(3)(2007):76-88.

6. **Carpio, C.E.** and D.S. NeSmith. “Economic Assessment of Irrigation Management in Muscadine Grapes.” *HortTechnology*, 16,3(2006):1-5.
7. **Carpio, C.E.**, C.D. Safley, and E.B. Poling. “Estimated Costs and Investment Analysis of Producing Muscadine Grapes.” *HortTechnology* 18,2,(2008):308-317 (featured in Spotlight section).
8. **Carpio, C.E.**, M.K. Wohlgenant, and C.D. Safley. “A Structural Econometric Model of Joint Consumption of Goods and Recreational Time: An Application to Pick-Your-Own Fruit.” *American Journal of Agricultural Economics* 90,3(2008): 644-567.
9. **Carpio, C.E.**, M.K. Wohlgenant, and T. Boonsaeng. “The Demand for Agritourism in the United States.” *Journal of Agricultural and Resource Economics* 33,2(2008): 254-269.
10. Boonsaeng, T., S. Fletcher, and **C.E. Carpio**. “European Union Demand for In-Shell Peanuts.” *Journal of Agricultural and Applied Economics* 40,3(December 2008): 941-951.
11. **Carpio, C.E.**, M.K. Wohlgenant, and C.D. Safley. “Relative Importance of Factors Affecting Customers’ Decisions to buy Pick-our-own Versus Pre-harvested Fruit at North Carolina Farms.” *Journal of Agricultural and Applied Economics* 40,3(December 2008): 983-997.
12. **Carpio, C.E.** and O. Isengildina-Massa. "Willingness to Pay for Locally Grown Products: The Case of State Grown Products in South Carolina." *Agribusiness* 25,3(2009): 412-426.
13. Ramirez, O., T. McDonald, and **C. E. Carpio**. “A Flexible System for Modeling and Simulating Crop Yield Distributions.” *Journal of Agricultural and Applied Economics* 42,2(May 2010):1-17.
14. **Carpio, C.E.** and O. Isengildina-Massa. "To Fund or Not to Fund: Assessment of the Potential Impact of a Regional Promotion Campaign." *Journal of Agricultural and Resource Economics* 35, 2(2010): 245–260.
15. **Carpio, C.E.** and M.K. Wohlgenant. “A Generalized Two-Constraint Model of Consumer Behavior.” *European Review of Agricultural Economics* 37, 4(2010): 433–452.
16. *Zapata, S.D., **C.E. Carpio**, O. Isengildina-Massa, and R.D. Lamie. “Do Internet-Based Promotion efforts Work? Evaluating MarketMaker.” *Journal of Agribusiness* 29,1(Spring 2011): 159-180.
17. Ramirez, O.A., **C.E. Carpio**, and R. Rejesus. “Can Crop Insurance Premiums be Reliably Estimated.” *Agricultural and Resource [Economics](#) Review* 40,1(April 2011), 81:94.
18. **Carpio, C.E.**, O.A. Ramirez, and T. Boonsaeng. “Potential for Tradable Water Allocation and Rights in Jordan.” *Land Economics* 87,4(November 2011): 595-609.

19. Ramirez, O.A. and **C.E. Carpio**. “Implications of Premium Estimation Inaccuracy on the Actuarial Performance of the US Crop Insurance Program.” *Agricultural Finance Review* 72,1(March 2012): 117-133.
20. *Zapata, S., O. Benavides, **C. E. Carpio**, and D. Willis. “The Economic Value of Basin Protection to Improve the Quality and Reliability of Potable Water Supply: Some Evidence from Ecuador.” *Water Policy* 14 (2012): 1–13.
21. *Hasing, T, **C.E. Carpio**, D. Willis, O. Sydorovych and M. Marra. “The Effect of Label Information on Pesticide Choice.” *Agricultural and Resource Economics Review* 41,2(August 2012): 200-214.
22. Collart, A., M.A. Palma, and **C. Carpio**. 2013. “Consumer Response to Point of Purchase Advertising for Local Brands.” *Journal of Agricultural and Applied Economics* 45,2(May 2013).

At Texas Tech University: total of 22

23. **Carpio, C.E.**, O. Isengildina-Massa, and R.D. Lamie and *S.D. Zapata. “Does E-Commerce Help Agricultural Markets? The Case of MarketMaker.” *Choices* 28(4)(4th Quarter 2013).
24. *Zapata, S.D., **C.E. Carpio**, O. Isengildina-Massa, and R.D. Lamie. “Producers’ Willingness to Pay for the Services Provided by an Electronic Trade Platform: The Case of MarketMaker.” *Journal of Agricultural and Resource Economics* 38(3) (December 2013): 359-378.
25. *Xie, R., O. Isengildina-Massa, and **C.E. Carpio**. "The Biggest Bang for the Buck: Valuation of Various Components of a Regional Promotion Campaign by Participating Restaurants.” *Journal of Agricultural and Applied Economics* 46(2)(May 2014): 193-208.
26. Boys, K., D.B. Willis, and **C.E. Carpio**. “Consumer Willingness to Pay for Organic and Locally Grown Produce in Dominica: Insights into the Potential for an “Organic Island”.” *Environment, Development and Sustainability* 16(3)(June, 2014): 595-617.
27. *Zapata, S.D. and **C.E. Carpio**. “The Theoretical Structure of Producers’ Willingness to Pay Estimates.” *Agricultural Economics* 45(5)(September 2014):613-623.
28. *Castellon, C., T. Boonsaeng, and **C.E. Carpio**. “Demand System Estimation in the Absence of Price Data.” *Applied Economics* 47(6)(2015): 553-568.
29. **Carpio C.E.** and K.Y. Lange. “Trends in E-commerce for the Food Marketing System.” *CAB Reviews* 10,23(2015): 1-8.
30. Ramirez, O.A., **C.E. Carpio**, and A.J. Collart. “Are the Federal Crop Insurance Subsidies Equitable Distributed? Evidence from a Monte Carlo Simulation Analysis.” *Journal of Agricultural and Resource Economics* 40(3)(September 2015):457-475.
31. Willis, D.B., **Carpio, C.E.**, and K.A. Boys. “Supporting Local Food System Development through Food Price Premium Donations: A Policy Proposal” *Journal of Agricultural and Applied Economics* 48(2)(May 2016):192-217.

32. **Carpio C.E.** and O. Isengildina-Massa. “Does Government Sponsored Advertising Increase Social Welfare? A Theoretical and Empirical Investigation.” *Applied Economic Perspectives and Policy* 38,2(June 2016): 239-259.
33. Isengildina-Massa, O., *S.D. Zapata, **C. Carpio** and D. Lamie. “Does E-Commerce Help Farmers’ Markets? Measuring the Impact of MarketMaker” *Journal of Food Distribution Research* 47(2)(July 2016): 1-18.
34. *Peñaherrera, V.D., **C.E. Carpio**, *L. Sandoval, M.X. Sanchez-Plata, T. Cabrera, P. Guerrero, and I. Borja. “The Effect of Traffic-Light Nutritional Labelling on the Nutritional Content and Consumer Purchases of Soft Drinks in Ecuador.” *Pan American Journal of Public Health/ Revista Panamericana de Salud Pública* 42(2018).
35. *Klobodu, S., J.A. Dawson, D.B. Reed, and **C.E. Carpio**. “Does Maternal Health Promote Economic Development? A Case Study of Six Sub-Saharan African Countries.” *African Journal of Food, Agriculture, Nutrition and Development* 18,3 (2018): 13761-13775.
36. *Klobodu, S., W. Oldewage, and **C.E. Carpio**. “Soy Consumption, and Soy and Vegetable Gardening with Skills Training are Cost Effective in Improving the Blood Lipid Profile of Women in Qwa-Qwa, South Africa.” *African Journal of Food, Agriculture, Nutrition and Development* 18,3 (2018): 13792-13807.
37. *Millares Forno, C.A., T. Brashears, A.E. Boren-Alpizar, M. Baker and **C. Carpio**. “Critical Action Inquiry for the Establishment of a Global Food Security Graduate Certificate in Latin America and the Caribbean at Texas Tech University: A Delphi Study.” *Journal of International Agricultural and Extension Education* 25,3(2018): 66-80.
38. Boonsaeng, T., and **C.E. Carpio**. “A Comparison of Food Demand Estimation from Homescan and Consumer Expenditure Survey Data.” *Journal of Agricultural and Resource Economics* 44(1)(2019): 117-140.
39. *Barrowclough, M. K.A. Boys, and **C. Carpio**. “Benefits, Challenges and Tradeoffs: Buyer and Contract Characteristics Valued by Small Farm Suppliers to Wholesale Marketing Channels.” *Journal of Agricultural and Resource Economics* 44(3)(September 2019): 605-623.
40. Malaga, J., J.J. Avila-Santamaría, and **C.E. Carpio**. The Andean Region: An Important US Agricultural Trade Partner. *Choices* 34(3)(3rd Quarter 2019).
41. *Sandoval, L., **C.E. Carpio**, and M. Sanchez. “The Effect of ‘Traffic-Light’ Nutritional Labelling in Carbonated Soft Drink Purchases in Ecuador”. *PlosONE* (October 3, 2019).

In press:

1. Castillo, M.J. and **C.E. Carpio**. “Ecuadorian Consumers’ Demand for High Quality Attributes in Beef Products.” *Journal of Agricultural and Applied Economics*. 51:4 (2019):568-590.

2. Boonsaeng, T., and **C.E. Carpio**. “Budget Allocation Patterns of American Household across Income Level in the 21 Century.” *Journal of Consumer Affairs*. *Published online July 2019*.
3. *March, R., **C.E. Carpio**, C. Lyford, and T. Boonsaeng. (forthcoming). “Do SNAP Recipients Get the Best Prices? *Journal of Agricultural and Applied Economics*, 52,1: 135-159.

Manuscripts in Submission:

1. *Sandoval, L., and C.E. Carpio. (Revised and re-submitted). “Measuring Prevalence, Profiling and Evaluating the Potential of Policy Impacts using Two Food Security Access Indicators in Guatemala.”
2. Carpio, C.E., T. Boonsaeng, C. Zhen, and A. Okrent. (Revised and re-submitted). “The Effect of Supplemental Nutrition Assistance Program on Food Spending Among Low-Income Households.”
3. Carpio, C.E., Kalenkoski, C., A. Moyeda Carabaza, and M. Murimi, M. "The Effects of Time and Money Expenditures on Dietary Quality."

Works in Progress:

1. Zapata, S.D. and C.E. Carpio. “Non-Parametric Estimation of a Distribution Function with Interval Censored Data.” In preparation for submission.
2. Aborisade, O., C.E. Carpio, L. Mathews, T. Boonsaeng, A. Perrett, and K. Descieux. “Evaluating the Marketing Impact of a Regional Branding Program Using Contingent Valuation Methods: The Case of the Appalachian Grown™ Branding Program.” In preparation for submission.

Proceedings: total of 57

Refereed: None

Non-refereed: total of 57³

Before Texas Tech 37

1. Ramirez, O.A., C.E. Carpio, R. Ortiz, and B. Finegan. “Economic Value of the Carbon Sink Services of Tropical Secondary Forests.” Annual Meetings of the American Agricultural Economics Association, Tampa, Florida, July 30-August 2, 2000.

³ Proceedings in Agricultural Economics conferences are non-refereed but correspond to Selected (i.e., refereed) Conference Presentations.

2. Carpio, C.E., O.A. Ramirez, and S. Armstrong. "Economics of the Cotton Boll Weevil Control in the Texas High Plains." *Proceedings of the Beltwide Cotton Conferences*, Anaheim, California, January 9-13, 2001.
3. Carpio, C.E., O.A. Ramirez, and S. Armstrong. "Profit Maximizing Economic Thresholds for the Cotton Boll Weevil in the Texas High Plains." Annual Meetings of the *Southern Agricultural Economics Association*, Fort Worth, Texas, January 27-31 2001.
4. Denning, M.L, O.A. Ramirez, C.E. Carpio, and D. Ethridge. "Hedonic Profit Maximization of Irrigated Cotton Production Systems in the Texas High Plains." Annual Meetings of the *Southern Agricultural Economics Association*, Fort Worth, Texas, January 27-31 2001.
5. Carpio, C.E. and O.A. Ramirez. "Forecasting Foreign Cotton Production: The Case of India, Pakistan and Australia." *Proceedings of the 2002 Beltwide Cotton Conferences*, Atlanta, Georgia, January 8 to12, 2002.
6. Carpio, C.E. and O.A. Ramirez. "Production Response of Cotton in India, Pakistan and Australia." Annual Meetings of the *Southern Agricultural Economics Association*, Orlando, Florida, February 3-6, 2002.
7. Safley, C.D., M.K. Wohlgenant, C.E. Carpio, R. Williams, and T. Dautlick. "Why Consumers Buy Muscadine Wine at Independent Wineries." *Proceedings of the 2004 Southeast Fruit & Vegetable Convention*, Savannah, GA January 9-11, 2004, pp 27-45.
8. Safley, C.D., M.K. Wohlgenant, C.E. Carpio, R. Williams, and T. Dautlick. "Why Consumers Buy Fresh Muscadine Grapes." *Proceedings of the 2004 Southeast Fruit & Vegetable Convention*, Savannah, GA January 9-11, 2004, pp. 5-25.
9. Carpio, C.E., M.K. Wohlgenant, and C.D. Safley. "Demand for Pick-Your-Own and Pre-picked Strawberries in Direct Market Operations in North Carolina." Annual Meetings of the *Southern Agricultural Economics Association*, Tulsa, Oklahoma, February 14-18, 2004.
10. Carpio, C.E. "Relative Importance of Factors Affecting Customer's Decisions to Buy Pick-Your-Own Versus Pre-Harvested Fruit at North Carolina Farms" *Proceedings of the 35th Annual Meeting of the Southeast Decision Sciences Institute*, Raleigh, NC February 23-25, 2005.
11. Carpio, C.E., M.K. Wohlgenant, and T. Boonsaeng. "The Demand for Agritourism in the United States." Annual Meetings of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2006.
12. Carpio, C.E., M.K. Wohlgenant. "A Structural Econometric Model of Consumer Demand at Pick-Your-Own Fruit Operations." Annual Meetings of the *American Agricultural Economics Association*, Long Beach, California, July, 2006.
13. Carpio, C.E., C.D. Safley, and E.B. Poling. "Estimated Costs of Producing Muscadine Grapes for Wine or Juice." *Proceedings of the 2007 Southeast Fruit & Vegetable Convention*, Savannah, GA January, 2007.

14. Carpio, C.E., O.Sydorovich, and M. Marra. "Relative Importance of Environmental Attributes Using Logistic Regression." Annual Meetings of the *Southern Agricultural Economics Association*, Mobile, AL, February 2007.
15. Robinson, K.L., C. Carpio, K.Wilson, and D.W. Hughes. "Linking Sustainable Agriculture and Community Economic Development." *46th Annual Southern Regional Science Association Meeting*, Charlotte, SC, March 2007.
16. Hughes, D.W., D. Eades, K. Robinson, C. Carpio, O. Isengildina, and C. Brown. "What Is the Deal with Local Food Systems: Or, Local Food Systems from a Regional Science Perspective." North American Regional Science Council Annual Meeting, Savannah GA, November 7th -9th, 2007.
17. Carpio, C.E. and O. Isengildina-Massa. "Willingness to Pay for Locally Grown Products: The Case of State Grown Products in South Carolina." Annual Meetings of the *Southern Agricultural Economics Association*, Dallas, TX, February 2008.
18. Nardi, M. G., C.E. Carpio, T.D. Davis and W.A. Ward. "Biodiesel Mandate Laws in Argentina and Brazil: An Estimation of Soybean Oil Foregone Export Revenues." Annual Meetings of the *Southern Agricultural Economics Association*, Dallas, TX, February 2008.
19. Carpio, C.E., and O. Isengildina-Massa. "Intermediate Economic Evaluation of the SC Agricultural Marketing and Branding Campaign." *47th Annual Southern Regional Science Association Meeting*, Washington, DC, March 2008.
20. Hughes, D.W., D. Eades, K. Robinson, C. Carpio, O. Isengildina, and C. Brown. "What Does Regional Science Have to Say About Local Food Systems?" *47th Annual Southern Regional Science Association Meeting*, Washington, DC, March 2008.
21. Zapata, S., O. Benavides, C. Carpio and D. Willis. "The Economic Value of Basin Protection to Improve the Quality and Reliability of Potable Water Supply: Some Evidence from Ecuador." *48th Annual Southern Regional Science Association Meeting*, Atlanta GA, February 2009.
22. Carpio, C.E., and O. Isengildina-Massa. "To Fund or Not to Fund: Assessment of the Potential Impact of a Regional Promotion Campaign." Annual Meetings of the *Southern Agricultural Economics Association*, Atlanta GA, February 2009.
23. Ramirez, O.A., C.E. Carpio and R. Rejesus. "Can Crop Insurance Premiums be Reliably Estimated?" *Annual Meetings of the American Agricultural and Applied Economics Association*, Milwaukee, Wisconsin, July 2009.
24. Carpio, C.E., O.A. Ramirez and T. Boonsaeng. "Potential for Tradable Water Allocation and Rights in Jordan." Annual Meetings of the *Southern Agricultural Economics Association*, Orlando, Florida, February 2010.
25. Zapata, S., R.D. Lamie, C. E. Carpio, and O.Isengildina-Massa. "Evaluating the Impact of an Electronic Food Marketing Network." Research Update. *Journal of Food Distribution Research*, 41,1(2010):131.

26. Carpio, C.E., S. Zapata, and T. Boonsaeng. "Existing and Potential Market Conditions for Farm to School Programs in Western North Carolina" Research Report. *Journal of Food Distribution Research*, 41,1 (2010):14-19.
27. Jodice, L, W.C. Norman, C. Carpio, G. Lacher & C.Oh. "Assessing Tourist Demand for Traditional Coastal Dependent Businesses on the South Carolina Coast. Paper in Proceedings of The Coastal Society 22nd International Conference, Wilmington, North Carolina, June 13-16, 2010.
28. Carpio, C.E., S. Zapata, O. Benavides, and D. Willis. "The Economic Value of Basin Protection to Improve the Quality and Reliability of Potable Water Supply: The Case of Loja, Ecuador." Encuentro de Investigadores Ecuatorianos en Economía (Meeting of Ecuadorian Economists Organized by the Interamerican Development Bank and Universidad de las Americas), Quito, Ecuador, July 2010).
29. Hasing, T, C.E. Carpio, D. Willis, O. Sydorovych, and M. Marra. "The Effect of Label Information on Pesticide Choice." *Annual Meetings of the American Agricultural and Applied Economics Association*, Denver, CO, July 25-27, 2010.
30. Carpio, C.E., O. Isengildina-Massa, and D. Hughes. "Nothing's Fresher, Nothing's Finer: The Certified South Carolina Grown Program." *Annual Meetings of the Southern Agricultural Economics Association*, Corpus Christy, TX, February 5-8, 2011.
31. Zapata, S.D., O. Isengildina-Massa, D. Lamie, and C. Carpio. "Do Internet-based Promotional Effort Works? Evaluating MarketMaker." *Annual Meeting Western Education/Extension and Research Activities Committee on Agribusiness*, Las Vegas, NV, June 12-14, 2011.
32. Carpio, C., O. Isengildina-Massa, and D. Hughes. "The Economic Impact of State Agricultural Branding Campaigns: The Case of South Carolina." *Annual Meetings of the American Agricultural and Applied Economics Association*, Pittsburgh, PA July 24-26, 2011.
33. Ramirez, O. and C.E. Carpio, "Implications of Premium Estimation Inaccuracy on the Actuarial Performance of the US Crop Insurance Program." *Annual Meetings of the American Agricultural and Applied Economics Association*, Pittsburgh, PA July 24-26, 2011.
34. Zapata, S.D. and C.E. Carpio. "The Theoretical Structure of Producers' Willingness to Pay Estimates." *Annual Meetings of the American Agricultural and Applied Economics Association*, Seattle, Washington, August 12-14, 2012.
35. Castellon, C., T. Boonsaeng, and C.E. Carpio: "Demand System Estimation in the Absence of Price Data." *Annual Meetings of the American Agricultural and Applied Economics Association*, Seattle, Washington, August 12-14, 2012.
36. Brady, K., C.E. Carpio, and T. Boonsaeng: "Temporal Aggregation in the Estimation of Food Demand using Cross Sectional Data." *Annual Meetings of the American Agricultural and Applied Economics Association*, Seattle, Washington, August 12-14, 2012.

37. Boonsaeng, T., C.E. Carpio, C. Zhen, and A. Okrent. "The Effect of Supplemental Nutrition Assistance Program on Food Spending Among Low-Income Households." *Annual Meetings of the American Agricultural and Applied Economics Association*, Seattle, Washington, August 12-14, 2012.

At Texas Tech University 20

38. Willis, D.B., C.E. Carpio, K.A. Boys and E.D. Young. "Consumer Willingness to Pay for Locally Grown Produce Designed to Support Local Food Banks and Enhance Locally Grown Producer Markets." *Annual Meetings of the American Agricultural and Applied Economics Association*, Washington DC, August 4-6, 2013.
39. Carpio, C.E. and O. Isengildina-Massa. "Does Government Sponsored Advertising Increase Social Welfare? A Theoretical and Empirical Investigation." *Annual Meetings of the American Agricultural and Applied Economics Association*, Washington DC, August 4-6, 2013.
40. Sapkota, P., Wheeler, T.A., Bordovsky, J.P., Johnson, J., and C.Carpio. Cost and Benefit Analysis of Verticillium Wilt of Cotton in the Southern High Plains of Texas. *Proceedings of the 2014 Beltwide Cotton Conferences*, New Orleans, Louisiana, January 6-8, 2014.
41. Carpio, C.E., Boonsaeng, T., C. Zhen, and A. Okrent. "The Effect of Supplemental Nutrition Assistance Program on Food and Nonfood Spending among Low-Income Households." *Annual Meetings of the American Agricultural and Applied Economics Association*, Minneapolis, MN July 2014.
42. Boonsaeng, T., and C.E. Carpio. "A Comparison of Food Demand Estimation from Homescan and Consumer Expenditure Survey Data" *Annual Meetings of the American Agricultural and Applied Economics Association*, Minneapolis, MN July 2014.
43. Zapata, S.D. and C.E. Carpio. "Distribution-free Methods for Estimation of Willingness to Pay Models Using Discrete Response Valuation Data." *Annual Meetings of the American Agricultural and Applied Economics Association*, Minneapolis, MN July 2014.
44. Ramirez, O., C.E. Carpio, and A.J. Collart. "Producer Welfare Implications of the RMA's "Shrinkage" Crop Insurance Premium Estimator." *Annual Meetings of the American Agricultural and Applied Economics Association*, Minneapolis, MN July 2014.
45. Sapkota, P., Wheeler, T.A., Bordovsky, J.P., Maas, S., and C.Carpio. "The Costs and Benefits of Irrigation and Crop Rotation for Cotton Grown in a Verticillium Wilt ffeld in The Southern High Plains of Texas". *Proceedings of the 2015 Beltwide Cotton Conferences*, San Antonio, Texas, January 5-7, 2015.
46. Sandoval, L., J.E. Malaga, and C.E. Carpio. "Analysis of the impact of dollarization and CAFTA-DR on El Salvador's trade flows." *Annual Meetings of the Southern Agricultural Economics Association*, Atlanta, Georgia, January 31-February 3, 2015.
47. Barrowclough, M. K.A. Boys, and C.E. Carpio. "An Evaluation of Firm and Contract Characteristics Valued by Supply Chain Partners in Specialty Crop Marketing Channels."

Annual Meetings of the Agricultural and Applied Economics Association, San Francisco, CA July 26-28, 2015.

48. Sandoval, L. and C.E. Carpio. Food Demand and Food Security in El Salvador. *Proceedings Annual Meetings of the Southern Agricultural Economics Association*, San Antonio, TX, February 6-9, 2016.
49. Zapata, S. D., and C.E. Carpio. Non-Parametric Estimation of a Distribution Function with Interval Censored Data. *Proceedings Annual Meetings of the Southern Agricultural Economics Association*, San Antonio, TX, February 6-9, 2016.
50. Aborisade, O., C.E. Carpio, L. Mathews, T. Boonsaeng, A. Perrett, and K. Descieux. "Evaluating the Marketing Impact of a Regional Branding Program Using Contingent Valuation Methods: The Case of the Appalachian Grown™ Branding Program." *Proceedings Annual Meetings of the Southern Agricultural Economics Association*, San Antonio, TX, February 6-9, 2016.
51. Boonsaeng, T., and C.E. Carpio. "Data Collection Period and Food Demand System Estimation using Cross Sectional Data." *Proceedings Annual Meetings of the Southern Agricultural Economics Association*, San Antonio, TX, February 6-9, 2016.
52. March, R., C. Lyford, C.E. Carpio and T. Boonsaeng. "Do SNAP Recipients Get the Best Prices?" *Proceedings Annual Meetings of the Agricultural and Applied Economics Association*, Boston, MA July 31-August 2, 2016.
53. Aborisade, O. and C.E. Carpio. "Household Demand for Meat in Nigeria." Selected paper 2017 *Annual Meetings of the Southern Agricultural Economics Association*, Mobile, AL, February 4-7, 2017.
54. Sandoval, L., and C.E. Carpio. "Measuring Prevalence, Profiling and Evaluating the Potential of Policy Impacts using Two Food Security Access Indicators in Guatemala." Selected paper 2017 *Annual Meetings of the Southern Agricultural Economics Association*, Mobile, AL, February 4-7, 2017.
55. Castillo, M.J. and C.E. Carpio. "Ecuadorian Consumers' Demand for High Quality Attributes in Beef Products." Selected paper presented at 2017 *Annual Meetings of the International Food and Agribusiness Management Association (IFAMA)*, Miami, FL, June 18-21, 2017.
56. Boonsaeng, T., and C.E. Carpio. "Budget Allocation Patterns of American Household across Income level in the 21 Century." Selected Paper at the annual meetings of the *Annual Meetings of the American Agricultural and Applied Economics Association*, Chicago, IL July 30-August 1, 2017.
57. Macharia, A.M., C.E., Carpio, and L. Kirimi. "Heterogeneity in Irrigation Technology Impacts: Implications for Adoption." *Annual Meetings of the Agricultural and Applied Economics Association*, Washington DC, August 5-7, 2018.

Technical Reports: total of 3.

1. Carpio, C.E., O. Isengildina-Massa, R. D. Lamie, and S.D. Zapata. 2013. "Implementation of an Evaluation Framework for the MarketMaker National Network" Final Report to USDA FSMIP Program. May 2013. Available at <http://www.ams.usda.gov/AMSV1.0/getfile?dDocName=STELPRDC5104566&acct=gpfsmip>
2. Castillo, M.J., and C.E. Carpio. "Beef Demand in Ecuador: Quality Perceptions and the Efficiency of the Beef Supply Chain." Final report for Global Development Network, Washington DC, May, 2017.
3. Dudensing, R. and C.E. Carpio. "Economic Contribution of Texas Tech Beef Production and Processing Project in Honduras." (in Spanish and English). Report for Honduras Ministry of Economic Development. October, 2017.

PRESENTATIONS, SEMINARS AND LECTURES

Presentations: total of 36

Before Texas Tech University 11

1. Carpio, C.E., C.D. Safley, M.K. Wohlgenant, and R. Williams. "Identifying Factors Affecting Consumer Purchases at Direct Market Operations." Selected Poster *Annual Meetings of the American Agricultural Economics Association*, Providence, RI, July 24-27, 2005.
2. Carpio, C.E., O. Isengildina-Massa, D. Hughes, and C. Curtis. "Potential Economic Impact of the South Carolina Agricultural Marketing Campaign." Report prepared for the SC Department of Agriculture (WP 050407), May 2007.
3. Carpio, C., D. Hughes, O. Isengildina-Massa, T. Hasing, M. Scott, D. Lamie, S. Zapata, and D. Swindall. "Comprehensive Assessment of the South Carolina Agribusiness Cluster." Report prepared for MarketSearch. July, 2008. p. 234.
4. Ward, W., C. Carpio, G. Wells, J. London, S. Zapata and T. Hasing. *Guía para el Análisis Económico de Proyectos. (Project Guidelines for the Low Carbon Development Analysis in Mexico)*. Centro para Investigación de Energía de la Universidad Autónoma de México, México, May, 2008.
5. Hasing, T., S. Zapata and C.E. Carpio. Effect of Biofuel Expansion on Commodity and Fuel Prices. Selected Poster, *Annual Meetings of the Southern Agricultural Economics Association*, Atlanta GA, February 2009.
6. Lamie, R. D., S. Zapata, O. Isengildina-Massa, and C. E. Carpio, "Evaluating MarketMaker: Analyzing the Impact of an Electronic Food Marketing Network", Poster Presentation, *National Value-Added Agriculture Conference*, Moline, IL 1-3 June 2009.
7. Yiding, H., K.L. Robinson, and C.E. Carpio. "Sweet Potato Festival in Lower Richland County- An Agri-tourism and Community Development Impact Study." Poster

Presentation 72nd Annual Meeting of the Rural Sociological Society, Madison, Wisconsin, July 30 - August 2, 2009.

8. Zapata, S., R.D. Lamie, O. Isengildina-Massa, and C. E. Carpio, "Evaluating MarketMaker: Analyzing the Impact of an Electronic Food Marketing Network." Selected Poster 2010 Annual Meetings of the *Southern Agricultural Economics Association*, Orlando, FL, February 2010.
9. Boonsaeng, T., C.E. Carpio, and C. Zhen: "Household Consumption of Snacks at Home and Away from Home." Selected Poster *Annual Meetings of the American Agricultural and Applied Economics Association*, Denver, Colorado July 25-27, 2010.
10. Xie, R., O. Isengildina-Massa, and C.E. Carpio. How Do Restaurants Benefit from Various Components of a Regional Promotion Campaign? Selected Poster presented at *Annual Meetings of the American Agricultural and Applied Economics Association*, Seattle, Washington, August 12-14, 2012.
11. Zapata, S., C. E. Carpio, O. Isengildina-Massa, and R.D. Lamie. "Producers' Willingness to Pay for the Services Provided by an Electronic Trade Platform: The Case of MarketMaker." Selected Poster presented at *Annual Meetings of the Southern Agricultural Economics Association*, Orlando, FL, February 2013.

At Texas Tech University 25

12. Isengildina-Massa, O., S.D. Zapata, C. Carpio and D. Lamie. "Does E-Commerce Help Farmers' Markets? Measuring the Impact of MarketMaker." Selected Poster presented at *Annual Meetings of the American Agricultural and Applied Economics Association*, Washington DC, August 4-6, 2013.
13. Mathews, L.G., C.E. Carpio, T. Boonsaeng, C. Jackson, A. Perrett, and K. Descieux. "Do Consumers Know What their Local Logo Means?" Selected presentation *2014 Annual Meetings & Conference of the Agriculture, Food, and Human Values Society*, Burlington, VT, June 19, 2014
14. Paz, X., Carpio, Carlos, Texas Tech University Undergraduate Research Conference, "Food security in Bolivia: The gap between availability and caloric demand," Texas Tech University, Lubbock, TX. (April 16, 2014).
15. Carpio, C.E., L.G. Mathews, T. Boonsaeng, A. Perrett, and K. Descieux. "Evaluating the Marketing Impact of a Regional Branding Program Using Contingent Valuation Methods: The Case of the Appalachian Grown™ Branding Program." Selected Poster presented at *Annual Meetings of the American Agricultural and Applied Economics Association*, San Francisco, CA July 26-28, 2015.
16. Boonsaeng, T., and C.E. Carpio. "Data Collection Period and Food Demand System Estimation using Cross Sectional Data." Selected Poster presented at *Annual Meetings of the American Agricultural and Applied Economics Association*, San Francisco, CA July 26-28, 2015.

17. Garcia, M., Carpio, Carlos, Texas Tech University Undergraduate Research Conference, "Food security in Guatemala using ENCOVI 2011, ELCSA and Household expenditure survey," Texas Tech University, Lubbock, TX. (April 19, 2015).
18. Arvelo I., A. Calle, K. Hanlon, G. Arteaga, M. Brashears, C. Carpio, M.X. Sanchez-Plata. "Comparison of Five Salmonella Detection Methods in Ground beef". Poster presented at 2016 Beef Industry Safety Summit, Austin, Texas, March 01-03; Annual Graduate School Poster Competition of Texas Tech University, March 25, 2016; and, 2016 Bob Albin Research Paper Competition at the Animal and Food Science Department of Texas Tech University, April 1, 2016.
19. Klobodu, S., J. Dawson, N. Moustaid-Moussa, C. Carpio, and N. Velikova. "Descriptive Study of the Vital Health Indicators of Four Sub-Saharan African Countries, 1960-2012." Paper presented at Experimental Biology, San Diego, CA, April 2-6, 2016.
20. Alfaro, E., and C.E. Carpio. "The Minimum Cost of a Nutritious Diet in El Salvador." Selected Poster presented at the *Texas Tech University Undergraduate Research Conference*, Lubbock, TX, March 29-March 31, 2016.
21. Opheim, T.L., C. E. Carpio, C.P West, D. M. Mitchell, P. N. Johnson, and S. J. Trojan. "The Relationship between Crop Water Use and Finishing Performance of Beef Steers Fed Diets Containing Corn or Sorghum Distillers Grains." Poster presented at 2016 Plains Nutrition Council Spring Conference, Amarillo, Texas, April 14-15, 2016.
22. Brashears, M., M. Miller, S. Trojan, J. Sarturi, C. Carpio, and T. Brashears. "Turning By-Products to Beef: Sustaining the Cattle Industry in Honduras. 69th American Meat Science Reciprocal Meat Conference, San Angelo, Texas, June 19-22, 2016.
23. Arvelo I., A. Calle, A. English, M. Brashears, C. Carpio, M.X. Sanchez-Plata. "Efficacy of Five Available Methods for Salmonella Detection in Ground Beef and Cilantro". Poster presented at 2016 International Association for Food Protection Annual Meeting, St. Louis, Missouri, July 31-August 3, 2016.
24. Sandoval, L. and C.E. Carpio. "Policy Implications of Two Food Security Measurement Methodologies in Guatemala." Track Session Presentation (Latin American Section): *Annual Meetings of the Agricultural and Applied Economics Association*, Boston, MA July 31-August 2, 2016.
25. Carpio, C.E. and K. Lange. Current Status and Perspectives of E-commerce in the Food Marketing System. Track Session Presentation (AEM Section): *Annual Meetings of the Agricultural and Applied Economics Association*, Boston, MA July 31-August 2, 2016.
26. Peñaherrera, V., Carpio, Carlos, Sandoval, L., Texas Tech University Undergraduate Research Conference, "The effect of 'Traffic-Light' nutritional labelling on consumption of soft drinks in Ecuador," Texas Tech University, Lubbock, TX. (April 8, 2017).

27. Castillo, M.J. and C.E. Carpio. "Beef Quality Perceptions and Preferences in Ecuador." Poster presented at *2017 Annual Meetings of the Agricultural and Applied Economics Association*, Chicago, IL July 30-August 1, 2017.
28. Sandoval, L., C.E. Carpio, M. Sanchez, I. Borja, T. Cabrera and P. Guerrero. "The Effect of 'Traffic-Light' Nutritional Labelling in Carbonated Soft Drink Purchases in Ecuador". Poster presented at *2017 Annual Meetings of the Agricultural and Applied Economics Association*, Chicago, IL July 30-August 1, 2017.
29. Opheim, T.L., C.E. Carpio, J.O. Sarturi, M.F. Miller, M.E. Bueso and M.M. Brashears. An Evaluation of the Relationship between Increased Carcass Weight and Profitability in Honduran Feedlot Cattle. Poster Presented at the 63rd International Congress of Meat Science and Technology, August 13-18, Cork, Ireland, 2017.
30. Dudensing, R. and C.E. Carpio. "Creation of Value-Added, Income, and Employment Impact Multipliers for Honduras. Selected Paper at the annual meetings of the *North American Regional Science Council*, Vancouver, BC, Canada, November 9, 2017.
31. Musa, A., C.E., Carpio, R., Williams, and T. Boonsaeng. "The Interaction between the Supplemental Nutrition Assistance Program and Private Charities to Enhance Food Security in Low Income Families." Selected Presentation *Annual Meetings of the Southern Agricultural Economics Association*, Jacksonville, FL, February 2-6, 2018.
32. Paz, X., C.E., Carpio J. Malaga, and C. Wang. "The Effects of Quinoa's Price Change in the Welfare of Bolivian Households." *Annual Meetings of the Southern Agricultural Economics Association*, Jacksonville, FL, February 2-6, 2018.
33. Aborisade, O., and C.E. Carpio. "Non-Farm Work and Food Security among Farm Households in Nigeria." Selected Presentation *Annual Meetings of the Southern Agricultural Economics Association*, Jacksonville, FL, February 2-6, 2018.
34. Sandoval, L.A., and C.E. Carpio. "Nutritional Labelling in Ecuador: Consumer and Industry Response." Selected Presentation *Annual Meetings of the Agricultural and Applied Economics Association*, Washington DC, August 5-7, 2018.
35. Kalenkoski, C., C.E. Carpio, A. Moyeda Carabaza, and M. Murimi, M. "The Effects of Time and Money Expenditures on Dietary Quality" Selected Presentation Southern Economic Association, Washington, DC, November 2018.
36. Aborisade, O. and C.E. Carpio. "Nonfarm Work and Food Security among Farming Households in Nigeria." Selected Poster presented at *Annual Meetings of the American Agricultural and Applied Economics Association*, Atlanta, GA, July 21-23, 2019.

INVITED SEMINARS AND LECTURES:

Seminars: total of 17

Before Texas Tech 12

1. Clemson University 2006.
2. Texas Tech University 2006.
3. Texas A&M University 2008.
4. Virginia Tech 2008.
5. Michigan State University 2010.
6. Montana State University 2010.
7. Kansas State University 2010.
8. Zamorano University, Honduras 2010.
9. Universidad de la Americas, Quito, Ecuador 2010.
10. ERS, USDA, Washington DC 2011.
11. University of Georgia 2012.
12. Texas Tech University 2012.

At Texas Tech University 5

13. Texas Tech University 2013.
14. ERS, USDA, Washington DC 2016.
15. University of Georgia 2017.
16. Zamorano University, Honduras 2017.
17. Ketsatsart University, Bangkok, Thailand 2017.

INVITED LECTURES

At Texas Tech 5: to Agricultural Policy (2013), Food Security Policy (2017, 2019) and Research Methodology (2018, 2019) courses at Texas Tech.

GRADUATE STUDENT COMMITTEES:

Completed: 42

Chair: total of 14

Chair before Texas Tech University: total of 8

Clemson University

M.Sc. thesis option

1. Hasing, Tomas. Applied Economics and Statistics. 2009.
2. Zapata, Samuel. Applied Economics and Statistics. 2009.
3. Imler, Alexis. Applied Economics and Statistics. 2011.
4. Leffler, Kristyn. Applied Economics and Statistics. 2012.
5. Castellon, Cesar. Applied Economics and Statistics. 2012.
6. Young, Emily. (MA) Economics. 2012.

Ph.D

7. Nardi, Matias. Policy Studies. 2011.
8. Zapata, Samuel D. Applied Economics and Statistics. 2012.

Chair at Texas Tech University: total of 6

M.Sc. thesis option

9. Paz, Ximena. Agricultural and Applied Economics 2017.

Master of Agribusiness

10. Gomez, J. Ricardo. 2017.

11. Burris, Kloe. 2019.

Ph.D

12. Sandoval, Luis. Agricultural and Applied Economics 2017.

13. Aborisade, Olumide. Agricultural and Applied Economics 2019.

Co-Chaired: total of 1

14. Mariuky, James. M.Sc. Agricultural and Applied Economics. 2017.

Committee member of 28

Committee member before Texas Tech University: total of 9

Clemson University

1. Ferrer, M. M.Sc. Applied Economics and Statistics. 2008.

2. Yiding, Han. M.Sc. Applied Economics and Statistics (non-thesis). 2009.

3. Boyles, Will. M.Sc., Applied Economics and Statistics (non-thesis). 2009.

4. McCall, Tim. M.Sc., Applied Economics and Statistics (non-thesis). 2010.

5. Lacher, Geoff. Ph.D. Parks, Recreation and Tourism Management. 2012.

6. Ellis, Addison. M.Sc., Applied Economics and Statistics. 2011.

7. McDonald, Sarah. M.Sc., Applied Economics and Statistics. 2012.

8. He, Ailin. MA., Economics. 2013.

9. Welch, Julie. M.Sc., Applied Economics and Statistics (non-thesis). 2013.

Committee member at Texas Tech University: total of 19

1. Brizuela, Sofia, M.Sc. Agricultural Education. 2014.

2. Sapkota. Praveen, M.Sc. Plant and Soil Sciences. 2015.

3. Meng Jiang, M.Sc. Agricultural and Applied Economics (non-thesis). 2015.

4. Manning, Reid, Master of Agribusiness. 2015.

5. Sias, James, Master of Agribusiness. 2015.

6. Matus, Robert. Master of Agribusiness. 2015.

7. Cortez, Omar. M.Sc. Agricultural and Applied Economics. 2016.

8. Kishor, Luitel. Ph.D. Agricultural and Applied Economics. 2016.

9. Kouassi-Bredoumy, Badr. M.Sc. Agricultural and Applied Economics (non-thesis). 2016.

10. Manuchehri, Misha. Ph.D. Plant and Soil Sciences. 2016.

11. Millares, Carla, M.Sc. Agricultural Education, 2016.

12. Selorum, Klobodu, Ph.D. Nutritional Sciences. 2017.

13. Amin, Ruhul, Ph.D. Nutritional Sciences. 2017.

14. Antwi, Kwaku, Ph.D. Agricultural and Applied Economics. 2018.

15. Mohammed, Rezgar, Ph.D. Agricultural and Applied Economics. 2018.

16. Gomez Mayorquin, Jose Benjamin. Master of Agribusiness. 2018.

17. Sienso, Gifty, Ph.D. Agricultural and Applied Economics. 2019.

18. Diosdado, Leobardo. M.Sc. Agricultural and Applied Economics (non-thesis). 2019.
19. Boufous, Sawssan. M.Sc. Agricultural and Applied Economics (non-thesis). 2019.

In progress: total of 8

Chair: total of 3

Ph.D

1. Macharia, Anthony. Agricultural and Applied Economics (expected 2019).

M.Sc. thesis option

2. Garcia, Manuel. Agricultural and Applied Economics (expected 2020).
3. Sarasty, Oscar. Agricultural and Applied Economics (expected 2020).

Co-Chair: total of 1

1. Musa, A. Ph.D. Agricultural and Applied Economics (expected 2020).

Committee member of: total of 4

1. Opheim, Tosha. Ph.D. Animal and Food Sciences.
2. Boufous, Sawssan. Ph.D. Agricultural and Applied Economics.
3. Urso, Phil. Ph.D. Animal and Food Sciences.
4. Busby, Eric. Ph.D. Land Use Planning, Management and Design.

Graduate School Representative at Ph.D. Dissertation Defense:

1. Maradiaga, Martha. Ph.D. in Animal and Food Sciences. 2016.
2. Brenes, Baleshka. Ph.D. in Agricultural Education and Communications. 2016.
3. Ayala, Diana. Ph.D. in Animal and Food Sciences. 2016.

UNDERGRADUATE ADVISING:

1. Currently advising 20 undergraduate students. I have advised about 20 students every semester since fall 2012.
2. Supervised three undergraduate research interns from Zamorano University, January-April (2014-2018).
3. Currently supervising one TTU undergraduate research project (2019).

Committee member undergraduate thesis: total of 6.

1. Paz, Ximena. Zamorano University. Thesis title: "Food Security in Bolivia: The Gap between Caloric Availability and Demand." 2014.
2. García, Manuel. Zamorano University. Thesis title: "Food Security in Guatemala." 2015.
3. Alfaro, Editha. Zamorano University. Thesis title: "Use of the Minimum Cost of a Nutritious Diet as Indicator of Food Security in El Salvador During the Period 2012-2014." 2016.
4. Peñaherrera, Víctor. Zamorano University. Thesis title: "The Effect of Traffic-Light Labelling on the Nutritional Content and Consumer Purchases of Carbonated Soft Drinks in Ecuador." 2017.

5. Iza, Paoleth. Zamorano University. Thesis title: “The Effect of Traffic-Light Labelling on the Nutritional Content and Consumer Purchases of Cookies and Yogurt in Ecuador.” December 2018.
6. Chacon, Karen. Zamorano University. Thesis title: “The Effect of Traffic-Light Labelling Consumer Purchases of Drinks in Ecuador.” December 2018.

TEACHING RESPONSABILITIES:

TEACHING (F= fall, S=spring)

Clemson University: 20 regular courses

ECON 405/605: Introduction to Econometrics, F11, S12, F12, S13.

AP EC 828: Applied Consumer Demand, S11, S12, S13.

EX ST 462: Statistics Applied to Economics, F08, F09, F10, F11.

AP EC 302: Economics of Farm Management, F06, S07, F07, S08, F08, S09, F09, S10, S13.

Texas Tech University: 19 regular classes (including summer)

AAEC 4302: Introductory Econometrics, S17, S18, summer 18, S19, summer 19.

AAEC 6311: Applied Econometrics II, S15, S16, S17, S18, S19.

AAEC 5325/5307 Regression Analysis for Agricultural Sciences, F13, F14, F15, F16, F17, F18.

AAEC 3307 Farm and Range Management, S14.

AAEC 6301 Measuring and Analyzing Food Security, summer 2016, summer 2017.

Description of Courses Taught at Texas Tech:

Farm and Ranch Management (AAEC 3304): A three credit-hour undergraduate (junior level) course consisting of two hours of lecture per week and two hours of lab (2 lab sections per week). The course focuses on topics related to the management of agricultural businesses including farms, ranches, input suppliers, commodity processors, etc.

Statistical Methods in Agricultural Research (AAEC 4302): A three credit-hour undergraduate (senior level) course consisting of three hours of lecture per week. The course focuses on basic econometric models for applied economic and business analyses.

Applied Econometrics II (AAEC 6311): A three credit-hour graduate (Ph.D. level) course consisting of three hours of lecture per week. The course focuses on advanced econometric methods for research in agricultural and applied economics.

Applied Regression and Least Squares Analysis for Agricultural Sciences (AAEC 5307 and AAEC 5325): A three credit-hour graduate course for non-majors and Master of Agribusiness students. Application of regression analysis to analyze problems in the agricultural sciences; simple linear and multiple regression models, residual analysis, introduction to time series models.

Special Problems in Agricultural and Applied Economics – Food Security Measurement and Analysis (AAEC 5301): A three credit-hour hybrid (distance/ face-to-face) graduate course. The course covers topics related to frameworks and indicators used to assess food security, and quantitative and qualitative techniques used to assess the effect of food security projects. Face-to-face lectures are conducted in a computer lab.

Summary of Student Ratings of Teacher Effectiveness at Texas Tech^a

Q1. The course objectives were specified and followed by the instructor.

Q2. Overall, the instructor was an effective teacher.

Q3. Overall, this course was a valuable learning experience.

Evaluation scale: 5 = Strongly agree, 4 = Agree, 3 = Neutral, 2 = Disagree, 1 = Strongly Disagree.

Term / Course	Number of Students Enrolled	Number of Students Evaluating	Q1: Course Objectives	Q2: Instructor	Q3: Learning Experience
Fall 2013					
AAEC 5307	13	9	NA	4.33	4.11
Department			NA	4.42	4.35
CASNR			NA	4.45	4.39
TTU			NA	4.39	4.29
Spring 2014					
AAEC 3304	71	53	NA	3.11	3.13
Department			NA	4.15	4.20
CASNR			NA	4.43	4.38
TTU			NA	4.40	4.31
Fall 2014					
AAEC 5307	24	15	4.87	4.73	4.67
Department			4.41	4.15	4.20
CASNR			4.52	4.39	4.41
TTU			4.55	4.41	4.36
Spring 2015					
AAEC 6311	13	13	4.40	4.33	4.13
Department			4.48	4.40	4.38
CASNR			4.52	4.43	4.42
TTU			4.57	4.44	4.41
Fall 2015					
AAEC 5325	19	15	4.53	4.33	4.27
Department			4.54	4.41	4.41
CASNR			4.52	4.42	4.42
TTU			4.56	4.43	4.38
Spring 2016					
AAEC 6311	15	13	4.85	4.69	4.77
Department			4.44	4.31	4.31
CASNR			4.57	4.50	4.48
TTU			4.59	4.46	4.43
Fall 2016					
AAEC 5325	16	14	4.29	4.43	4.29
Department			4.49	4.38	4.37
CASNR			4.53	4.43	4.41
TTU			4.57	4.43	4.39
Spring 2017					

AAEC 4302	51	36	4.39	4.31	4.14
AAEC 6311	20	17	4.71	4.71	4.65
Department			4.57	4.47	4.45
CASNR			4.59	4.51	4.49
TTU			4.55	4.41	4.38
Fall 2017					
AAEC 5325	21	11	4.70	4.55	4.60
Department			4.42	4.25	4.25
CASNR			4.41	4.27	4.28
TTU			4.44	4.24	4.23
Spring 2018					
AAEC 4302	53	45	4.47	4.42	4.36
AAEC 6311	21	21	4.76	4.48	4.62
Department			4.40	4.22	4.22
CASNR			4.48	4.34	4.34
TTU			4.47	4.28	4.26
Summer II 2018					
AAEC 4302	34	28	4.61	4.54	4.39
Department			4.42	4.33	4.25
CASNR			4.57	4.49	4.39
TTU			4.56	4.43	4.40
Fall 2018					
AAEC 5325	24	22	4.62	4.52	4.62
Department			4.40	4.22	4.22
CASNR			4.47	4.33	4.31
TTU			4.46	4.27	4.23
Spring 2019					
AAEC 4302	58	55	4.27	3.98	3.89
AAEC 6311	11	10	5.00	4.90	4.80
Department			4.44	4.31	4.25
CASNR			4.49	4.36	4.34
TTU			4.48	4.31	4.28

^aThe University does not evaluate teaching effectiveness of Special Topics courses.

GRANTS AND AWARDS: total funded \$3,269,567 own portion \$802,808

Before Texas Tech: total funded \$1,283,743 own portion \$401,281

1. "Building Sustainable Community-based Economic Development and Management Linkages between Traditional Coastal-dependent Businesses and South Carolina's Recreation and Tourism Industry," SC Sea Grant. Co-Investigator with Bill Norman, David Hughes, Chik-Ok Oh, Laura Jodice, Will Culler and David Lamie, (\$103,039), (\$20,000), 2008-2009.
2. "Comprehensive Assessment of the South Carolina Agribusiness Cluster," MarketSearch Group and Palmetto Institute, Principal Investigator with Olga Isengildina and David Hughes, \$82,824.00, (\$30,645), 10/1/2007- 6/30/2008.
3. "Appalachian Grown: Farm to School Project," Appalachian Sustainable Agriculture Project (ASAP)-Southern SARE Research and Education Grant, Principal Investigator, \$8,600, 2007-2009.
4. "Evaluating MarketMaker: Analyzing the Impact of an Electronic Food Marketing Network and its Capacity to Improve Efficient Market Access for Small to Midsized Farmers and Food Entrepreneurs." Sponsored by the SC Department of Agriculture. Co-Investigator with David Lamie and Olga Isengildina, \$113,133 (\$37,334), 9/1/2008 to 8/31/2010.
5. "How to Make the Best Use of Public Funds in Promoting Locally Grown Products: Assessment of the Potential Impact of a Promotion Campaign." Sponsored by USDA. Co-Investigator with David Hughes and Olga Isengildina, \$63,212 (\$22,124), 9/1/2009 to 7/31/2011.
6. "Farmscape Ecology of Stink Bugs and the Development of Environmentally Friendly Control Strategies." Sponsored by USDA. Co-Investigator with Francis Reay-Jones and Jeremy Greene, \$153,956 (\$30,789), 7/15/2009 to 7/14/2012.
7. "Bridging Specialty Crop Producers and Institutional Food Purchasers: Distilling a Research and Extension Agenda in Support of Local Food Systems in the Southeast." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Co-Investigator with Kathryn Boys, Olga Isengildina, David Lamie, William Whiteside, Ken Robinson, Geoffrey Zender, Mary Kunkel, Margaret Condrasky, Angela Fraser \$48,947 (\$3,500), 9/1/2009 to 8/31/2010.
8. "Implementation of an Evaluation Framework for the Market Maker National Network." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Principal Investigator with Olga Isengildina and David Lamie, \$109,000 (\$37,000), 9/1/2010 to 8/31/20.
9. "Data Sources and Food Demand Estimation: A Comparison of Homescan and Consumer Expenditure Survey Data." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE), AFRI Foundational Program: Economics of Markets and Development. Principal Investigator with Tullaya Boonsaeng, \$209,611 (\$117,305.50), 01/01/2011 to 08/14/2013.

10. "Using Local Food Banks to Improve Sustainability of Small and Limited Resource Farms." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Co-Investigator with David Hughes, Ken Robinson, Mark Henry, David Lamie, Kathleen Robinson from 1/1/2011 to 12/31/2014 (\$436,959.00) (\$87,000).
11. "Keeping the Value with the Farm: Expanding Market Opportunities Through Regional Branding." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Principal Investigator (\$127,174) (\$64,000). Principal Investigator with Tullaya Boonsaeng and University of North Carolina from 1/1/2012 to 06/30/2013 (\$3,064).
12. "The Supplemental Nutrition Assistance Program and Household Spending: A Flexible Demand System Approach." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Co-Investigator with Tullaya Boonsaeng and Chen Zhen from 30/07/2011 to 10/01/2013 (\$51,398) (\$3,919.40).

At Texas Tech total funding \$1,885,824 own portion \$401,280

1. "Data Sources and Food Demand Estimation: A Comparison of Homescan and Consumer Expenditure Survey Data." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE), AFRI Foundational Program: Economics of Markets and Development. Principal Investigator with Tullaya Boonsaeng (\$40,389) (\$20,194.50), 08/15/2013 to 02/14/2016.
2. "The Supplemental Nutrition Assistance Program and Household Spending: A Flexible Demand System Approach." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Co-Investigator with Tullaya Boonsaeng and Chen Zhen from 10/01/2013 to 07/28/2016 (\$53,602) (\$16,080.60).
3. "Keeping the Value with the Farm: Expanding Market Opportunities Through Regional Branding." Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE). Principal Investigator (\$127,174) (\$64,000). Principal Investigator with Tullaya Boonsaeng and University of North Carolina from 07/01/2013 to 12/31/2015 (\$124,110) (\$124,110).
4. "Do SNAP Recipients Get the Best Prices?" Sponsored by USDA – Economic Research Service, FoodAPS Research Initiative. Co-Principal Investigator with Conrad Lyford, Carlos Carpio and Tullaya Boonsaeng from 06/01/2014-12/31/2015 (\$39,776)(\$17,899.20).
5. "BHEARD Kenya." Sponsored by the USAID (UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT). Co-Principal Investigator with Conrad Lyford, Rahman Shaikh, [Dick Auld](#), [Venugopal Mendu](#), and [David Lawver](#), 09/01/15 to 08/31/19 (\$1,482,207) (\$150,372.75)⁴,

⁴ Texas Tech Cognos system only includes amount of funding allocated to my Department. Standard reporting for grants including multiple Departments usually includes total amount provided to the University not only a faculty member home Department.

6. “Consumers’ Perceptions and Preferences for U.S. and Texas Beef in International Markets.” Sponsored by Sponsored by USDA (UNITED STATES DEPT OF AGRICULTURE), Federal-State Marketing Improvement Program. Principal Investigator with Tullaya Boonsaeng, Darren Hudson, Chenggang Wang, \$145,740 (\$72,870.00)

Grants not funded/rejected at Texas Tech University:

20 complete proposals

10 pre-proposals/concept papers not funded

1 pre-proposal under consideration

SERVICE ACTIVITIES:

SERVICE TO PROFESSIONAL ORGANIZATIONS

Before Texas Tech University

1. Topic Leader Selected Paper Proposals
 - Meetings of the Southern Agricultural Economics Association, Quantitative/Econometrics Section 2005, 2010, 2011.
 - Meetings of the Agricultural and Applied Economics Association, Demand and Price Analysis Section 2013.
2. Reviewer Selected Paper Proposals
 - Meetings of the Southern Agricultural Economics Association 2008, 2009, 2011.
 - Meetings of the American Agricultural and Applied Economics Association 2008, 2009.
3. Paper Session Moderator
 - Meetings of the American Agricultural Economics Association 2007, 2010.
 - Meetings of the Southern Agricultural Economics Association 2007, 2008, 2009, 2010.

At Texas Tech University

1. Reviewer Selected Paper Proposals
 - Meetings of the American Agricultural and Applied Economics Association 2014, 2017, 2018, 2019.
 - Meetings of the Southern Agricultural and Applied Economics Association 2019.
2. Topic Leader Selected Paper Proposals
 - Meetings of the Agricultural and Applied Economics Association, Demand and Price Analysis Section 2014.
3. Committee Member Selected Presentations Committee Agricultural and Applied Economics Association (2014-2016) (Committee Chair in 2016).
4. Chair: Latin American Section of the Agricultural and Applied Economics Association 2014-2015.
5. Committee Member Selected Presentations Committee Southern Agricultural Economics Association (2015-2017) (Committee Chair in 2017).
6. Director Southern Agricultural Economics Association (2015-2017).
7. Co-organizer 2017 Track Session for the AAEA Meetings: “Food Security in Latin America.”

8. Co-organizer 2018 Track Session for the AAEA Meetings: “Food Labelling to Limit Diet-related Diseases in Latin America.”
9. Paper Session Moderator Meetings of the Southern Agricultural Economics Association. 2019.

OTHER PROFESSIONAL SERVICE

Reviewer Grant Proposals for: total of 6

Before Texas Tech University 3

1. United States-Israel Bi-National Agricultural Research and Development Fund Grant Proposals 2007.
2. Southern Sustainable Agriculture Research and Education Grant Proposals 2010.
3. Team Leader and Reviewer: Review Panel for Grant Applications 2013.

At Texas Tech University 3

4. USDA Federal-State Marketing Improvement Program (FSMIP) 2013.
5. Panel Member for USDA-NIFA Agriculture and Food Research Initiative Agricultural Economics and Rural Communities: Markets and Trade Program 2014.
6. Panel Member for USDA-NIFA Agriculture and Food Research Initiative Agricultural Economics and Rural Communities: Markets and Trade Program 2016.

Reviewer Refereed Journal Articles: total of 35

Before Texas Tech University 16

1. Beltwide Cotton Conference Proceedings 2006.
2. American Journal of Agricultural Economics 2006.
3. Review of Agricultural Economics 2008.
4. Journal of Agricultural and Applied Economics 2008.
5. Canadian Journal of Agricultural Economics 2008.
6. American Journal of Agricultural Economics 2010.
7. Applied Economics 2010.
8. Agricultural and Resource Economics Review 2010.
9. American Journal of Agricultural Economics 2013.
10. Journal of Agricultural and Applied Economics 2011.
11. Land Economics 2011.
12. International Food and Agribusiness Management Review 2011.
13. Journal of Agricultural and Applied Economics 2012.
14. Canadian Journal of Agricultural Economics 2012.
15. Food Policy, 2012.
16. Journal of Agricultural and Applied Economics 2013.

At Texas Tech University 19

17. Food Policy 2013.
18. Applied Economics Perspectives and Policy 2013
19. Agricultural Economics 2014.

20. Applied Economics 2014.
21. International Food and Agribusiness Management Review 2014.
22. Journal of Agricultural and Applied Economics 2014.
23. Applied Economics Perspectives and Policy 2015.
24. Agricultural Economics 2016.
25. Journal of Agricultural and Applied Economics 2016.
26. Agricultural Economics 2016.
27. Applied Economics Letters 2016.
28. Journal of Nutrition Education and Behavior 2016.
29. American Journal of Agricultural Economics 2017.
30. Journal of Agricultural and Resource Economics 2017.
31. Water Resources 2017.
32. Agribusiness 2017.
33. Journal of Agricultural and Resource Economics 2018.
34. Journal of Agricultural and Applied Economics 2019.
35. Food Security 2019.

SERVICE TO UNIVERSITY:

Clemson University

1. *School of Agricultural, Forest, and Environmental Sciences*
 - Member, Curriculum Committee (2012)
2. *Applied Economics and Statistics Department*
 - Member, Ad-Hoc Curriculum Issues Economics/Applied Economics & Stats. Merger Committee (2011)
 - Member, Graduate Admissions Committee (2010-2011)
 - Member, Strategic Planning Committee (2006-2007)
 - Member, Undergraduate and Graduate Curriculum Committee (2007-2011)
 - Member, Departmental Website Committee (September 2007-2009)
 - Substitute Member, Ph.D. Microeconomics Preliminary Examination Committee: Applied Economics (Winter, 2007).
 - Member, Ph. Microeconomics Preliminary Examination Committee: Applied Economics and Statistics (2011).
3. University
 - Member, Fulbright Committee (2011).
 - Member, Tourism and Community Development Collaborative Team (2007-2012).
4. Other Service
 - Advisor, SC Future Farmers of America Farm Business Management Contest (June 2007).

At Texas Tech University

1. College of Agricultural Sciences and Natural Resources
 - Quantitative and Statistical Skills Committee (2013-present)
 - Curriculum Committee (2016-present)
 - Advisor, Zamo-Raiders, Graduate Student Organization in CASNR
2. University

- Discipline Committee (2013-2014)
- Reviewer 2018 and 2019 TTU Annual Undergraduate Research Conference.
- Food Security Cluster Hiring Committee (2014)
- 3. Agricultural and Applied Economics Department
 - International Programs Committee (2014-present)
 - Ph.D. Preliminary Examination Committee (2015-2016)
 - Contributor/Grader, Ph.D. Preliminary Econometrics and Microeconomics Exams (2013-present)
 - Advisor, Ag. Eco Association, 2014-2015.
 - Curriculum Coordinator (2016-present)
 - Reviewer Graduate Students Applications (2013 - Present).
 - Applied Econometrics Hiring Committee Chair (2019)
 - AAEA ad-hoc Introductory to Statistics course review committee (2019).
 - AAEA ad-hoc faculty expansion request committee (2019).

OUTREACH:

Clemson University

1. “A Picture of the Local Foods Consumer.” Invited Presentation to Carolina Agri-Solutions Growers Association RAIN Conference (Florence, SC, March 15 2011).
“Muscadine Grape Workshop for Cooperative Extension Service Agents.” Invited Presentation on Costs of Producing Muscadine Grapes for Wine or Juice (September 2006).
2. “Starting a Commercial Bunch Vineyard Workshop.” Invited Presentation on Costs of Establishing a Vineyard (August 2008), Nebo, NC. Sponsored by the NC Cooperative Extension and NC State University.

At Texas Tech University

1. “Why to Study Agribusiness?” Invited Presentation to Zamorano University, Honduras (Via Skype). September, 2016.
2. “An Overview of the Meat Market in Latin America.” Invited Presentation to “Meat School in Español” Attendants. Animal and Food Sciences Department, Texas Tech University. Lubbock, Texas, July 2017.
3. “Why to Study Agribusiness?” Invited Presentation to Zamorano University, Honduras (Via Skype). September, 2017.
4. “Agribusiness and Agricultural Economics: What is it all about?” Invited Presentation to Honduran Undergraduate Students Visiting Texas Tech. Lubbock, May, 2018.
5. Organizing Committee Member “5th Symposium of Zamoranos in the United States.” An International Symposium of Agricultural Professionals in the United States and Latin America, October 6-7th in Lubbock, Texas, 2018.
6. Newspaper, Diario El Expreso, Ecuador. (May 28, 2018). Summary of research report published in Newspaper:

<https://www.expreso.ec/economia/ganaderia-reses-economia-produccion-agricultura-EX2198170>

7. “An Overview of the Meat Market in Latin America Invited Presentation to “Meat School in Español” Attendants. Animal and Food Sciences Department, Texas Tech University. Lubbock, Texas, July 2019.