

CURRICULUM VITA

Carlos Enrique Carpio
Professor and Head
Department of Agricultural Economics and Agricultural Business
Department of Extension Economics
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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, Agricultural 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.
2013-2024 Associate Professor and Professor, Agricultural and Applied Economics, Texas Tech University.
2024- Professor and Head Department of Agricultural Economics and Agricultural Business and Head Department of Extension Economics, New Mexico State University

INTERNATIONAL EXPERIENCE:

2001-date Multiple publications and research presentations conducted/related to Asia, Africa, and Latin America.

- 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. Scenario Analysis in Colombia, World Bank, Washington DC, and Colombia.
- 2020- 2022 COVID-19 Impact on the Latin American and the Caribbean Agrifood Supply Chain (Inter-American Development Bank).
- 2019-2022 Analysis of costs of production and farmworkers' conditions in Specialty Coffee Production in Central America, Specialty Coffee Association
- 2022-2023 Economic Advisor, Fairtrade International
- 2019-present Invited-Professor, University of El Salvador, El Salvador, Economics Ph.D. Program.

LEADERSHIP AND SERVICE

National

- 2006-2011 Topic Leader, Selected Paper Proposals Quantitative/Econometrics Section, Meetings of the Southern Agricultural Economics Association (2006, 2008, and 2011).
- 2013 Topic Leader, Selected Paper Proposals, Demand and Price Analysis Section, Meetings of the Agricultural and Applied Economics Association
- 2014-2016 Member, Selected Presentations Committee, Agricultural and Applied Economics Association
- 2016 Chair, Selected Presentations Committee Agricultural and Applied Economics Association
- 2015-2017 Chair, Latin American Section of the Agricultural and Applied Economics Association
- 2015-2017 Member, Selected Presentations Committee Southern Agricultural Economics Association
- 2017 Chair, Selected Presentations Committee Southern Agricultural Economics Association
- 2015-2017 Director, Southern Agricultural Economics Association
- 2020-date Co-Editor, Journal of Agricultural and Applied Economics
- 2022 External Reviewer, Graduate Programs in Agricultural Sciences, Clemson University
- 2022-2024 Nominating Committee Member, Agricultural and Applied Economics Association

University

Clemson University

- 2006-2007 Member, Strategic Planning Committee, Department of Applied Economics and Statistics
- 2007-2012 Member, Tourism and Community Development Collaborative Team (2007-2012).
- 2007 Advisor, South Carolina Future Farmers of America Farm Business Management Contest
- 2007-2009 Member, Departmental Website Committee
- 2007-2011 Member, Undergraduate and Graduate Curriculum Committee, Department of

Applied Economics and Statistics

- 2007-2011 Member, Ph.D. Microeconomics Preliminary Examination Committee
2010-2011 Member, Graduate Admissions Committee, Department of Applied Economics and Statistics
2011 Member, Fulbright Committee (2011)
2011 Member Ad-Hoc Curriculum Issues Economics/Applied Economics & Stats. Merger Committee
2012-2013 Curriculum Committee Member, School of Agricultural, Forest, and Environmental Sciences

Texas Tech University

- 2013-2016 Member, Quantitative and Statistical Skills Committee, College of Agricultural Sciences and Natural Resources
2013-date Member and Department Representative, Curriculum Committee, College of Agricultural Sciences and Natural Resources
2013- date Faculty Advisor, ZamoRaiders, Graduate Student Organization in the College of Agricultural Sciences and Natural Resources
2013-2014 Member, University Discipline Committee
2014 Member, University Food Security Cluster Hiring Committee
2014-date Committee Chair, International Programs, Department of Agricultural and Applied Economics
2015-2022 Member, Ph.D. Preliminary Examination, Department of Agricultural and Applied Economics
2014-2015 Faculty Advisor, Ag. Economics Undergraduate Association, Department of Agricultural and Applied Economics
2016-date Coordinator, Graduate and Undergraduate Curriculum, Department of Agricultural and Applied Economics
2019-2020 Chair, Applied Econometrics/Data Science Hiring Committee, Department of Agricultural and Applied Economics
2019 Member, Ad-hoc Introductory to Statistics Course Review Committee, Department of Agricultural and Applied Economics
2019 Member, Ad-hoc Faculty Expansion Request Committee, Department of Agricultural and Applied Economics
2021-date College Representative and Member, University E-learning Committee
2022-date Member, Undergraduate Committee, Department of Agricultural and Applied Economics
2022-date Member, Master of Agribusiness Committee, Department of Agricultural and Applied Economics
2022 Coordinator, Spain Study Abroad Program, Department of Agricultural and Applied Economics

OTHER PROFESSIONAL SERVICE

Research Grants/Proposals/Panels/Meetings

1. Reviewer, United States-Israel Bi-National Agricultural Research and Development Fund Grant Proposals 2007.

2. Reviewer, Southern Sustainable Agriculture Research and Education Grant Proposals 2010.
3. Reviewer, USDA Federal-State Marketing Improvement Program (FSMIP) 2013 Grant Proposals.
4. Panel Member, USDA-NIFA Agriculture and Food Research Initiative Agricultural Economics and Rural Communities: Markets and Trade Program 2014.
5. Panel Member, USDA-NIFA Agriculture and Food Research Initiative Agricultural Economics and Rural Communities: Markets and Trade Program 2016.
6. Reviewer, Selected Paper Proposals, American Agricultural and Applied Economics Association Meetings 2014, 2017, 2018, 2019, 2020.
7. Co-organizer, 2017 Track Session for the Agricultural and Applied Economics Association Meetings: "Food Security in Latin America."
8. Co-organizer, 2018 Track Session for the Agricultural and Applied Economics Association Meetings: "Food Labelling to Limit Diet-related Diseases in Latin America."
9. Organizer, 2023 Track Session for the Agricultural and Applied Economics Association Meetings: "The Impact of COVID-19 in the Latin American Agrifood Supply Chain."
10. Paper Session Moderator Meetings of the Southern Agricultural Economics Association. 2019. 2023.
11. Reviewer, 2018 and 2019 Texas Tech University Annual Undergraduate Research Conference.
12. Contributor/Grader, Ph.D. Preliminary Econometrics and Microeconomics Exams (2013-present), Department of Agricultural and Applied Economics
13. Reviewer, Graduate Students Applications (2013 - Present), Department of Agricultural and Applied Economics

Reviewer Refereed Journal Articles

1. Beltwide Cotton Conference Proceedings 2006.
2. American Journal of Agricultural Economics 2006, 2010, 2013.
3. Review of Agricultural Economics 2008.
4. Journal of Agricultural and Applied Economics 2008, 2011, 2012, 2013.
5. Canadian Journal of Agricultural Economics 2008, 2012.
6. Applied Economics 2010.
7. Agricultural and Resource Economics Review 2010.
8. Land Economics 2011.
9. International Food and Agribusiness Management Review 2011.
10. Food Policy, 2012, 2013, 2024.
11. Applied Economics Perspectives and Policy 2013, 2015.
12. Agricultural Economics 2014, 2016.
13. Applied Economics 2014.
14. International Food and Agribusiness Management Review 2014.
15. Journal of Agricultural and Applied Economics 2014, 2016, 2019, 2020.

16. Applied Economics Letters 2016.
17. Journal of Nutrition Education and Behavior 2016.
18. American Journal of Agricultural Economics 2017.
19. Journal of Agricultural and Resource Economics 2017, 2018, 2020.2024.
20. Water Resources 2017.
21. Agribusiness 2017.
22. Food Security 2019.
23. Land Economics 2020.
24. Journal of Agribusiness 2020.
25. Human Vaccines and Immunotherapeutic 2021.

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.

AREA OF EXPERTISE:

Applied Econometrics and Statistics
 Agricultural and Applied Economics

PUBLICATIONS¹:

Book Chapters: 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.

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

Refereed Journals: a total of 69 (Published/In press)

Agricultural and Applied Economics Publications

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. **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.
6. **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.
7. 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.
8. **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.
9. **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.
10. 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.
11. **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.

12. **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.
13. *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.
14. 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.
15. **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.
16. 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.
17. *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.
18. *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.
19. 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).
20. **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).
21. *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.
22. *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.
23. 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.
24. *Zapata, S.D. and **C.E. Carpio**. "The Theoretical Structure of Producers' Willingness to Pay Estimates." *Agricultural Economics* 45(5)(September 2014):613-623.
25. *Castellon, C., T. Boonsaeng, and **C.E. Carpio**. "Demand System Estimation in the Absence of Price Data." *Applied Economics* 47(6)(2015): 553-568.

26. **Carpio C.E.** and K.Y. Lange. "Trends in E-commerce for the Food Marketing System." *CAB Reviews* 10,23(2015): 1-8.
27. 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.
28. 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.
29. **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.
30. 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.
31. 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.
32. *Barrowclough, M. KA 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.
33. 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).
34. *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).
35. 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.
36. Boonsaeng, T., and **C.E. Carpio**. "Budget Allocation Patterns of American Household across Income Level in the 21 Century." *Journal of Consumer Affairs* (2019).
37. *March, R., **C.E. Carpio**, C. Lyford, and T. Boonsaeng. "Do SNAP Recipients Get the Best Prices? *Journal of Agricultural and Applied Economics* 52,1(2020): 135-159.
38. **Carpio, C.**, Kalenkoski, C., *Moyeda Carabaza, A., Murimi, M. "The Effects of Time Use and Food Cost on Dietary Quality." *Public Health Nutrition*, 23(18) (2020): 3284-3294.

39. *Grigoryan, S., **Carpio, C.**, Lopez, J.A., Harp, D., Miller, F. (2020). US Demand for Citrus Beverages. *Texas Journal of Agriculture and Natural Resources* (2020) 33.
40. **Carpio, C.**, Coman, I., *Sarasty, O., *García, M. “COVID-19 Vaccine Demand and Financial Incentives.” *Applied Health Economics and Health Policy* (2021).
41. *Boufous, S., Hudson, MD., and **C. Carpio**. Farmers' willingness to adopt sustainable agricultural practices: a meta-analysis. *PLOS Sustainability and Transformation*. (2023).
42. *Boufous, S., Hudson, M., **Carpio, C.** "Consumers' Willingness to Pay for Ethically Produced Cotton Apparel." *Agribusiness* (2023).
43. *García, M.J., **Carpio, C.**, Boonsaeng, T. “Mexican Consumers’ Perceptions and Preferences for U.S. and Texas Beef.” *Journal of Food Distribution Research* (2023).
44. *Mamani, B., Sandoval, L., Palma, M., *Garcia, M. **Carpio, C.** "Coffee Sustainability Attributes in Developing Countries: The Honduran Domestic Coffee Market." *International Food and Agribusiness Management Review* (2023).
45. Zapata, S., **Carpio C.** "Distribution-free Methods to Estimate Willingness to Pay Models Using Discrete Response Valuation Data." *Journal of Agricultural and Resource Economics* (2023).
46. *Garcia, M., **Carpio, C.**, Boonsaeng, T., Hudson, M., Wang, C. "Mexican Consumers' Preferences for US and Texas Beef." *Agribusiness* (2023).
47. Cabrera, T., *Sarasty, O., Watson, S.E., Gonzalez, M.S. and **Carpio, C.E.**, "Traffic-light Nutrition Labeling Use and Demand among Ecuadorian Children." *Agricultural and Food Economics* (2023).
48. *Sarasty, O., **Carpio, C.E.**, Cabrera, T., and Gonzalez, M.S. Ecuadorian Consumers' Preferences for Traffic-Light Nutrition Labeling." *Q-Open* (2023).
49. Kang, Q., **Carpio, C.E.**, Wang, C., Tang, Z. “The Impacts of Caterpillar Fungus Income on Grazing Pressure in Tibetan Regions: A Tale of Income Diversification.” *China Agricultural Economics Review* (2024), 16,1.
50. *Aborisade, O., Boonsaeng, T., and **Carpio C.E.** Food Demand Estimation from Consumption and Expenditure Data: Meat Demand in Nigeria." *Agricultural and Resource Economics Review* (2024), 53, 144–162.
51. Villacis, A., **Carpio, C.E.**, Boonsaeng, T., Cabrera, T. and Alvarado, R. "Labels, Taxes, and Food Reformulation: A Tale of Sugar in Soft Drinks in Ecuador." *International Food and Agribusiness Management Review* (2024), 27, 2.

52. *Sumrow, S., Hudson, D., *Sarasty, O., **Carpio**, C. Bratcher, C. "Consumer preferences for worker and supply chain risk mitigation in the beef supply chain in response to COVID-19 pandemic." *Agribusiness* (2024), 40,1.

Multidisciplinary Publications: a total of 17.

53. 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 Foods." *Community Development: The Journal of the Community Development Society* 28(3)(2007):76-88.
54. **Carpio, C.E.** and D.S. NeSmith. "Economic Assessment of Irrigation Management in Muscadine Grapes." *HortTechnology*, 16,3(2006):1-5.
55. **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).
56. *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).
57. *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.
58. *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.
59. *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.
60. *Sarasty, O., **Carpio, C.**, Hudson, M., Guerrero-Ochoa, P., Borja, I. The Demand for a COVID-19 Vaccine in Ecuador. *Vaccine* (2020).
61. **Carpio, C.**, *Sarasty, O., Hudson, D., Machara, A., Shibia, M. The demand for a COVID-19 vaccine in Africa: Evidence from Kenya. *Human Vaccine and Immunotherapeutic* (2021).
62. Boonsaeng, T., **Carpio, C.**, Guerrero-Ochoa, P., *Sarasty, O., Borja, I., Darren, H., Macharia, A., Shibia, M. "Perceived risks of infection, hospitalization, and death of COVID-19 in the Equator: The cases of Ecuador and Kenya". *Disaster Medicine and*

Public Health Preparedness (2021).

63. *Lamino, P., Boren-Alpizar, A.E., Morales, S., Burris, S. and **Carpio, C.**, 2021. A love-hate relationship: An ethnographic study of migration with Lenca women in rural Honduras. *Migration and Development*, pp.1-24. (2021).
64. Calle, A., Carrascal, A.K., Patiño, C., **Carpio, C.**, Echeverry, A. and Brashears, M., 2021. Seasonal effect on Salmonella, Shiga toxin-producing E. coli O157: H7 and non-O157 in the beef industry in Colombia, South America. *Heliyon*, 7(7) (2021).
65. Cabrera, C., Palacios-Ruilova, K., **Carpio, C.**, *Sarasty, O., Gonzalez, M.S., Benitez-Miranda, P., Azuero-Jaramillo, K. Traffic light nutritional labeling: knowledge, use, and preferences among Ecuadorian teenagers. *Spanish Journal of Human Nutrition and Dietetics* (2022) (In Spanish).
66. * Musa, A., **Carpio, C.**, Oldewage-Theron, W. (2022). Who uses food banks and other private food charities? A comparison with SNAP users. *Journal of Hunger & Environmental Nutrition*, 17, 14 pages.
67. Arvelo, I., Pagone, F., Persky, J., **Carpio, C.E.**, Arnold, P. and Clements, N., 2022. Decay rates of two tracer gases compared to DNA-tagged liquid aerosol tracer particles: Impact of varying dilution rate and filtration. *Building and Environment*, 212.
68. Watson, S., Fulton, K.A., **Carpio, C.** and Boonsaeng, T., 2022. Virtual Student Teamwork in Higher Education: Is There a Secret Recipe for Productivity? *American Journal of Distance Education*, pp.1-13.
69. **Carpio, C.E.**, Sandoval, L.A. and Muñoz, M., 2023. Cost and Profitability Analysis of Producing Specialty Coffee in El Salvador and Honduras. *HortTechnology*, 33(1), pp.8-15.

Trade Publications and Discussion Papers (Peer-reviewed) (5)

1. **Carpio, C.E.** and Von Der Lieth, K. 2021. Interpreting the Flow: Building an Overall Picture of Farmworker Conditions in El Salvador and Honduras. 25 (Specialty Coffee Association Magazine), Vol 16.
2. **Carpio, C.E.** and Von Der Lieth, K. 2022. What Would it Cost? Calculating Specialty Coffee Farmworker Living Wages in Honduras and El Salvador. 25 (Specialty Coffee Association Magazine), Vol 18.
3. Castillo, M. J., **Carpio, C.**, Rios, A., Garcia Chaclan, M., Murguía, J. M. 2023. El Covid-19 y las innovaciones en sistemas agroalimentarios de América Latina y el Caribe. Inter-American Development Bank Discussion Paper IDB-DP-01021. <http://dx.doi.org/10.18235/0005015>

4. **Carpio, C.**, Garcia Chaclan, M., Rios, A., Boonsaeng, T., Murguia, J. M., Wander, A. 2023. Indicadores de resiliencia económica estática y dinámica para las cadenas de suministro agroalimentario: La pandemia del Covid -19 en América Latina y el Caribe Inter-American Development Bank Discussion Paper IDB-DP-01010. <http://dx.doi.org/10.18235/0004976>
5. **Carpio, C.**, Garcia Chaclan, M., Rios, A., Boonsaeng, T., Murguia, J. M., Wander, A. 2023. Static and Dynamic Economic Resilience Indicators for Agrifood Supply Chains: The COVID-19 Pandemic in Latin America and the Caribbean. Inter-American Development Bank Discussion Paper IDB-DP-01010. <http://dx.doi.org/10.18235/0004976>
6. **Carpio, C.**, Zamora, M. 2023. *Caficultores y consumidores tienen diferentes perspectivas sobre qué es “sostenibilidad”*. Daily Coffee News. <https://dailycoffeenews.com/2023/06/19/encuesta-caficultores-y-consumidores-tienen-diferentes-perspectivas-sobre-que-es-sostenibilidad/>
7. **Carpio, C.**, Zamora, M. 2023. *Coffee Farmers and Consumers Have Different Perspectives on Sustainability*. Daily Coffee News. <https://dailycoffeenews.com/2023/05/30/survey-coffee-farmers-and-consumers-have-different-perspectives-on-sustainability/>

Works in Progress:

1. *Kang, Q., **Carpio, C.**, *Garcia, M., Wang, C., Boonsaeng, T., and Hudson, D. "Chinese Consumers' Preferences for Imported Beef Products." R&R.
2. *Kang, Q., **Carpio, C.**, Wang, C. "Disentangling Signaling and Budgetary Effects of Price in Consumer Choices." Under development.

Proceedings: a total of 58

Refereed: None

Non-refereed: total of 58²

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.
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.

² Proceedings in Agricultural Economics conferences are non-refereed but correspond to Selected (i.e., refereed) Conference Presentations.

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.
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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.
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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.
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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.

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 field 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. KA 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.
58. Cabrera, T., Sarasty, O., Watson, S.E., Gonzalez, M.S. and Carpio, C.E., 2022. *Agricultural and Applied Economics Association Annual Meeting*, Anaheim, CA. "Traffic-light Nutrition Labeling Use and Demand among Ecuadorian Children." (July-August 2022).

Technical Reports: total of 10.

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.
4. Garcia, M.; Carpio, C.; Borja, I.; Castillo, M.J.; Palma, M.; Peguero, F.; Ribera, L.; Sandoval, L.; Zapata, S.; Sanchez, M. 2020. "Survey Report: COVID-19's impact on Latin American agricultural supply chain (In Spanish)". September 2020.
5. Garcia, M.; Carpio, C.; Borja, I.; Castillo, M.J.; Palma, M.; Peguero, F.; Ribera, L.; Sandoval, L.; Zapata, S.; Sanchez, M. 2020. "Survey Report: COVID-19's impact on Central American agricultural supply chain (In Spanish)". September 2020.
6. Carpio, C., Hudson, D., Sarasty, O., Borja, I., Carrión, C., Guerrero, P. (2020). "Survey Report: Public knowledge, perceptions, responses and effects related to the COVID-19 health emergency: The Case of Ecuador (In Spanish)". April 2020.
7. Carpio, C., Hudson, D., Sarasty, O., Macharia, A., Shibia, M. (2020). "Public Knowledge, Perceptions, Responses and Effects Related to the COVID-19 Health Emergency: The Case of Kenya". April 2020.
8. Garcia, M.; Carpio, C.; Borja, I.; Castillo, M.J.; Palma, M.; Peguero, F.; Ribera, L.; Sandoval, L.; Zapata, S.; Sanchez, M. 2020. "Graphic Report: COVID-19's impact on Latin American agricultural supply chain (In Spanish)". September 2020.
9. Garcia, M.; Carpio, C.; Borja, I.; Castillo, M.J.; Palma, M.; Peguero, F.; Ribera, L.; Sandoval, L.; Zapata, S.; Sanchez, M. 2020. "Graphic Report: COVID-19's impact on Central American agricultural supply chain (In Spanish)". September 2020.
10. Carpio, C.E., Castillo, M.J., Borja, I., Morales, S., Sandoval, L. Boonsaeng, T., Garcia, M., Muñoz, M., Wander, A., and da Cunha, C. "The Impact of COVID-19 in the Agricultural Supply Chain in Latin America and the Caribbean. Final Report to InterAmerican Development Bank. September 2022.

PRESENTATIONS, SEMINARS, AND LECTURES

Presentations: total of 61

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.
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 Consumer 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., Carpio, C.E., Malaga, J., Wang, C. "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.
37. Garcia, M., Carpio, C., Boonsaeng, T., Hudson, M., Wang, C. *5th Hispanic/Latinx Research and Creativity Symposium*, Texas Tech University, Lubbock, TX, "Mexican Consumers' Preferences for US and Texas Beef," (April 2020).
38. Garcia, M., Carpio, C., Boonsaeng, T., Hudson, M., Wang, C. *19th Annual Graduate Research Poster Competition*, Texas Tech University, Lubbock, TX, "Mexican Consumers' Preferences for US and Texas Beef." (March 2020).
39. Garcia, M., Carpio, C., Boonsaeng, T., Hudson, M., Wang, C., *Annual Meetings of the Southern Agricultural Economics Association*, Southern Agricultural Economics Association, Louisville, KY, "Mexican Consumers' Preferences for US and Texas Beef." International, peer-reviewed/refereed. (February 2020).
40. Sarasty, O., Carpio, C., Boonsaeng, T., Sanchez Pinol, D., *Annual Meetings of the Southern Agricultural Economics Association*, Louisville, KY, "Welfare and Budget Allocation Impacts of Elimination of Fossil Fuel Subsidies: The Case of Ecuador." (February 2020).
41. Boufous, S., Hudson, M., Carpio, C., Malaga, J., *Annual Meetings Southern Agricultural Economics Association*, Louisville, KY, "The Determinants of Moroccan Households' Default on Bank Credits." (February 2020).
42. Boufous, S., Hudson, M., Carpio, C., Malaga, J, *Agricultural and Applied Economics Association Annual Meeting*, Virtual, "Farmers Willingness to Accept Sustainable Practices: A Meta-Analysis," International, peer-reviewed/refereed. (August 2020).
43. Musa, A., Carpio, C., Williams, R., *Annual Meetings of the American Agricultural*

Economics Association, Virtual, "Bounding the Effect of Joint Participation in SNAP and Private Food Charities on Food Security." (August 2020).

44. Carpio, C., Sarasty, O., *Annual Meetings of the American Agricultural Economics Association*, Virtual, "Effect of the traffic-light system for nutritional labeling in processed food products in the Ecuadorian population," International, peer-reviewed/refereed. (August 2020).
45. Carpio, C., Sarasty, O., Boonsaeng, T., *I Congreso Internacional de Seguridad Alimentaria y Nutricional, FAO and Universidad de Cuenca*, Cuenca, Ecuador, "Asociación entre el uso del etiquetado nutricional tipo semáforo y enfermedades crónicas en la población adulta ecuatoriana." (August 2020).
46. Carpio, C., Garcia, M., Borja, I., Castillo, M.J., Palma, M., Peguero, F., Ribera, L., Sandoval, L., Zapata, S., Sanchez, M. *AGEAP-USA Webinar Series*. USA, "Zamoranos in Science: Transmission of COVID-19 and its effects on the food chain." (October 2020).
47. Garcia, M., Carpio, C. *Annual Meeting of the Southern Agricultural Economics Association* "An overview of the impact of Covid-19 on the Latin American agricultural supply chain: perspectives from producers and experts." (February 2021).
48. Boufous, S., Hudson, M., Carpio, C., *Annual Meeting of the Southern Agricultural Economics Association* "Consumers' Willingness to Pay for Ethically Produced Cotton Apparel." (February 2021).
49. Garcia, M., Carpio, C., Borja, I., Castillo, M.J., Palma, M., Peguero, F., Ribera, L., Sandoval, L., Zapata, S., Sanchez, M. *6th Hispanic/Latinx Research and Creativity Symposium*, Texas Tech University, Lubbock, TX, "An overview of the impact of COVID-19 on the Latin American agricultural supply chain: perspectives from producers and experts." (April 2021).
50. Garcia, M., Carpio, C., Borja, I., Castillo, M.J., Palma, M., Peguero, F., Ribera, L., Sandoval, L., Zapata, S., Sanchez, M. *Annual Meeting of the Agricultural and Applied Economics Association*, Austin TX. "An overview of the impact of COVID-19 on the Latin American agricultural supply chain: perspectives from producers and experts." (August 2021).
51. Carpio, C., Sandoval, L., Muñoz, J., Carranza, D., Hernandez, V. *Annual Meeting of the Association for Science and Information on Coffee, online*. "Cost Structure of Specialty Coffee Production in Honduras and El Salvador." (June 2021).
52. Kang, Q., Carpio, C., Wang, C., Boonsaeng, T., and Hudson, D. *Annual Meeting of the Southern Agricultural Economics Association*, New Orleans, LA. "Is There a Market for Texas Branded Beef Steak in China?" (February 2022).
53. Harral, B.N., Carpio, C., Garcia, M., Boren-Alpizar, A., and Middleton, M. *Annual*

- Meeting of the Southern Agricultural Economics Association, New Orleans, LA. "Factors Affecting Students' Teaching Evaluations: A Survey Experiment." (February 2022).*
54. Boonsaeng, T., Carpio, C., Garcia, M., and Casillas, R. *Annual Meeting of the Southern Agricultural Economics Association, New Orleans, LA. "COVID-19 and Beef Demand in Mexico." (February 2022).*
55. Garcia, M., and Carpio, C. *Annual Meeting of the Western Agricultural Economics Association, New Orleans, LA. "The Economic Resilience of Agribusiness in Latin America." (June 2022).*
56. Kang, Q. Carpio, C., Wang, C., Boonsaeng, T., Hudson, M., 2023. *Annual Meeting of the Southern Agricultural Economics Association, Oklahoma City, OK, "Disentangling Signaling and Budgetary Effects of Price in Consumer Choices," (February 2023).*
57. Garcia, M.; Carpio, C.; Boonsaeng, T. "Measuring Resilience in the Agricultural Supply Chains." *Annual Meeting of the Southern Agricultural Economics Association, Oklahoma City, OK, (February 2023).*
58. Carpio, C.E., Garcia, M., Boonsaeng, T., Rios, A. Murguia, J.M., and Wonder, *Annual Meeting of the Agricultural and Applied Economics Association, Washington, DC. "Static and Dynamic Economic Resilience Indicators for Agrifood Supply Chains: The COVID-19 Pandemic in Latin-American and the Caribbean." (July 2023).*
59. Villacis, A.H., Carpio, C.E., Boonsaeng, T., Cabrera, T. and Alvarado, R. "Labels, Taxes, and Food Reformulation: A Tale of Sugar in Soft Drinks in Ecuador." *Annual Meeting of the Agricultural and Applied Economics Association, Washington, DC. (July 2023).*
60. Carpio, C.; Garcia, M.; Rios, A.; Boonsaeng, T.; Murgia, J.; Wander, A. "Static and Dynamic Economic Resilience Indicators for Agrifood Supply Chains: The COVID-19 Pandemic in Latin America and the Caribbean." *Annual Meetings of the American Agricultural Economics Association, Washington DC, July 23-25, 2023.*
61. Garcia, M.; Carpio, C.; Hudson, D.; Wang, C.; Boonsaeng, T.; Kang, Q. "The effect of information about a complex agricultural supply chain on consumers: The case of beef demand in Mexico." *Annual Meetings of the American Agricultural Economics Association, Washington DC, July 23-25, 2023.*

INVITED SEMINARS AND LECTURES:

Seminars: a total of 19

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.
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.
18. Universidad Católica de Valparaíso, Chile 2020.
19. Universidad Nacional de Loja, Ecuador 2020.
20. United States Foreign Agricultural Service (FAS), 2023.

INVITED LECTURES

Texas Tech 6: to Agricultural Policy (2013), Food Security Policy (2017, 2019) and Research Methodology (2018, 2019, 2020, 2021, 2022) courses at Texas Tech.

GRADUATE STUDENT COMMITTEES:

Completed: 72

Chair: a total of 18

Co-Chair: a total of 4

Committee member: 50

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.

Texas Tech University

M.Sc. thesis option

9. Paz, Ximena. Agricultural and Applied Economics. 2017.
10. Garcia, Manuel. Agricultural and Applied Economics. 2020.
11. Sarasty, Oscar. Agricultural and Applied Economics. 2020.
12. Harral, Bradi. M.Sc. Agricultural and Applied Economics. 2023.

Master of Agribusiness (Advisor and final project committee chair)

13. Gomez, J. Ricardo 2017.
14. Burris, Kloe 2019.
15. Young, Shelby 2020.

Ph.D.

16. Sandoval, Luis. Agricultural and Applied Economics. 2017.
17. Aborisade, Olumide. Agricultural and Applied Economics. 2019.
18. Macharia, Anthony. Agricultural and Applied Economics. 2019.

Co-Chaired

19. Mariuky, James. M.Sc. Agricultural and Applied Economics. 2017.
20. Musa, A. Ph.D. Agricultural and Applied Economics. 2020
21. Kang, Qi. Ph.D. Agricultural and Applied Economics. 2022.
22. Garcia, Manuel, Ph.D. Agricultural and Applied Economics. 2024.

Committee member of 50

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.

Texas Tech University

10. Brizuela, Sofia, M.Sc. Agricultural Education. 2014.
11. Sapkota, Praveen, M.Sc. Plant and Soil Sciences. 2015.
12. Meng, Jiang, M.Sc. Agricultural and Applied Economics (non-thesis). 2015.
13. Manning, Reid, Master of Agribusiness. 2015.
14. Sias, James, Master of Agribusiness. 2015.
15. Matus, Robert. Master of Agribusiness. 2015.
16. Cortez, Omar. M.Sc. Agricultural and Applied Economics. 2016.
17. Kishor, Luitel. Ph.D. Agricultural and Applied Economics. 2016.
18. Kouassi-Bredoumy, Badr. M.Sc. Agricultural and Applied Economics (non-thesis). 2016.
19. Manuchehri, Misha. Ph.D. Plant and Soil Sciences. 2016.
20. Millares, Carla, M.Sc. Agricultural Education, 2016.
21. Selorum, Klobodu, Ph.D. Nutritional Sciences. 2017.
22. Amin, Ruhul, Ph.D. Nutritional Sciences. 2017.
23. Antwi, Kwaku, Ph.D. Agricultural and Applied Economics. 2018.
24. Mohammed, Rezgar, Ph.D. Agricultural and Applied Economics. 2018.
25. Gomez Mayorquin, Jose Benjamin. Master of Agribusiness. 2018.
26. Sienso, Gifty, Ph.D. Agricultural and Applied Economics. 2019.

27. Diosdado, Leobardo. M.Sc. Agricultural and Applied Economics (non-thesis). 2019.
28. Boufous, Sawssan. M.Sc. Agricultural and Applied Economics (non-thesis). 2019.
29. Opheim, Tosha. Ph.D. Animal and Food Sciences. 2019.
30. Urso, Phil. Ph.D. Animal and Food Sciences. 2020.
31. Busby, Eric. Ph.D. Land Use Planning, Management and Design. 2020.
32. Lamino, Pablo. M.Sc. Agricultural Education. 2020.
33. Boufous, Sawssan. Ph.D. Agricultural and Applied Economics. 2021.
34. Ledford, Tyllor. M.Sc. Agricultural and Applied Economics. 2021.
35. Qing, Di. Ph.D. Personal Financial Planning. 2021.
36. Samper, Bailey, Master of Agribusiness. 2021.
37. Blackwell, Grace. M.Sc. Agricultural and Applied Economics. 2022.
38. Sumrow, Shalynn. M.Sc. Agricultural and Applied Economics. 2022.
39. Blandon, Sabrina. M.Sc. Animal and Food Sciences. 2022.
40. Mariuki, James. Ph.D. Agricultural and Applied Economics. 2022.
41. Othon, Vitalis. Ph.D. Agricultural and Applied Economics. 2022.
42. Rios, Steven. Master of Agribusiness. 2022 (Advisor)
43. Lamino, Pablo. Ph.D. Agricultural Education. 2023
44. Mendizabal, Andres. M.Sc. Animal and Food Sciences. 2023
45. Gallard, Jack. Master of Agribusiness. 2024 (Advisor)
46. Stevens, Jared. Master of Agribusiness. 2024 (Advisor)
47. Michaels, Madison. Master of Agribusiness. 2024 (Advisor)
48. Nurudeen, Olami. Master of Agribusiness. 2024 (Advisor)
49. Islam, Marjia. M.Sc. Agricultural and Applied Economics. 2024.
50. Perez, Alma. Ph.D. Agricultural Education. (Expected 2025).

Graduate School Representative at Ph.D. Dissertation Defense:

1. Maradiaga, Martha. Ph.D. Animal and Food Sciences. 2016.
2. Brenes, Baleshka. Ph.D. Agricultural Education and Communications. 2016.
3. Ayala, Diana. Ph.D. Animal and Food Sciences. 2016.
4. Casas, Diego. Ph.D. Animal and Food Sciences. 2021.
5. Cuellar, Darwin. Ph.D. Animal and Food Sciences. 2021.
6. Singh, Manpreet. Ph.D. Plant and Soil Sciences. 2022.
7. Vargas, David. Ph.D. Animal and Food Sciences. 2023.

UNDERGRADUATE ADVISING:

1. Advised about 20-40 students every semester from fall 2008 to spring 2024.
2. Supervised fifteen undergraduate research interns (2006-2023).

Committee member undergraduate thesis: a total of 7.

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 an Indicator of Food Security in El Salvador During 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.
7. Peñados, Julio. Zamorano University. Thesis title: "Wage Gender Gap in the Latin American Agricultural Sector." 2021.

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: 40 regular classes (including summer)

AAEC 4302: Introductory Econometrics, S17, S18, Summer 18, S19, Summer 19, S19, Summer 19, S20, Summer 20, S21, Summer 21, S22, Summer 22, S23, Summer 23, S24

AAEC 6311: Applied Econometrics II, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24.

AAEC 5325/5307 Regression Analysis for Agricultural Sciences, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23 (distance section since F19).

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.

Sample of Summary of Student Ratings of Teacher Effectiveness at Texas Tech: Fall 2023 to Summer 2022.

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
Spring 2014					
AAEC 3304	71	53	NA	3.11	3.13
Department			NA	4.15	4.20
Fall 2014					
AAEC 5307	24	15	4.87	4.73	4.67
Department			4.41	4.15	4.20
Spring 2015					
AAEC 6311	13	13	4.40	4.33	4.13
Department			4.48	4.40	4.38
Fall 2015					
AAEC 5325	19	15	4.53	4.33	4.27
Department			4.54	4.41	4.41
Spring 2016					
AAEC 6311	15	13	4.85	4.69	4.77
Department			4.44	4.31	4.31
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
Fall 2017					
AAEC 5325	21	11	4.70	4.55	4.60
Department			4.42	4.25	4.25
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
Summer II 2018					
AAEC 4302	34	28	4.61	4.54	4.39
Department			4.42	4.33	4.25
Fall 2018					
AAEC 5325	24	22	4.62	4.52	4.62
Department			4.40	4.22	4.22
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
Summer 2019					
AAEC 4302	31	25	4.50	4.50	4.15
Department			4.48	4.41	4.22
Fall 2019					
AAEC 5325	8	6	4.83	4.83	4.83
Department			4.41	4.22	4.23
Spring 2020					
AAEC 4302	55	34	4.44	4.29	4.12
AAEC 6311	8	8	5.00	4.88	5.00
Department			4.45	4.34	4.28
Summer 2020					
AAEC 4302	39	25	4.45	4.32	4.27
Department			N/A	N/A	N/A
Fall 2020					
AAEC 5325	14	12	4.58	4.50	4.75
Department			4.47	4.32	4.26
Spring 2021					
AAEC 4302	69	27	4.22	4.11	3.81
AAEC 6311	12	10	4.60	4.60	4.60
Department			4.49	4.37	4.32

Summer 2021					
AAEC 4302	44	35	4.73	4.73	4.55
Department			N/A	N/A	N/A
Fall 2021					
AAEC 5325	22	12	4.83	4.83	4.83
Department			4.46	4.30	4.29
Spring 2022					
AAEC 4302	65	61	4.21	4.02	3.87
AAEC 6311	15	15	4.67	4.60	4.67
Department			4.47	4.30	4.29
Summer 2022					
AAEC 4302	56	45	4.32	4.29	4.20
Department			N/A	N/A	N/A

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

GRANTS AND AWARDS: total funded \$3,339,567 own portion \$872,808

"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.

1. "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.
2. "Appalachian Grown: Farm to School Project," Appalachian Sustainable Agriculture Project (ASAP)-Southern SARE Research and Education Grant, Principal Investigator, \$8,600, 2007-2009.
3. "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.
4. "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.
5. "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.
6. "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.
7. "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.
8. "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.
9. "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).

10. "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).
11. "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).
12. "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.
13. "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).
14. "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 the University of North Carolina from 07/01/2013 to 12/31/2015 (\$124,110) (\$124,110).
15. "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).
16. "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).
17. "Consumers' Perceptions and Preferences for US and Texas Beef in International Markets." 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) from 09/2018 to 09/2022.
18. "COVID: The Impact of COVID-19 in the Agricultural Supply Chain in Latin America and the Caribbean." Sponsored by the InterAmerican Development Bank. Principal Investigator \$70,000 from 01/2022 to 10/2022.

Grants not funded:

39 complete proposals

10 pre-proposals/concept papers not funded

HONORS AND AWARDS:

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. Southeast 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.
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. Outstanding Faculty Research & Mentor Award, Agricultural Economics Graduate Student Association, Texas Tech University. 2017.
11. Faculty Research Award, College of Agricultural Sciences and Natural Resources, Texas Tech University. 2020.

OUTREACH:

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.
3. "Why to Study Agribusiness?" Invited Presentation to Zamorano University, Honduras (Via Skype). September 2016.

4. "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.
5. "Why to Study Agribusiness?" Invited Presentation to Zamorano University, Honduras (Via Skype). September 2017.
6. "Agribusiness and Agricultural Economics: What is it all about?" Invited Presentation to Honduran Undergraduate Students Visiting Texas Tech. Lubbock, May, 2018.
7. 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.
8. 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>
9. "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.
10. Newspaper, Diario El Universo, Ecuador. (November 28, 2020). Interview:
<https://www.eluniverso.com/larevista/2020/11/16/nota/8051254/vacunas-ecuatorianos-salud-covid-coronavirus-encuesta-dinero>>
<https://www.eluniverso.com/larevista/2020/11/16/nota/8051254/vacunas-ecuatorianos-salud-covid-coronavirus-encuesta-dinero>
11. Internet, Zamorano Podcast Parts 1 and 2. (October 2020).
 Borja, I.; Carpio, C.; Garcia, M.; Palma, M. "Interview with researchers on the impact of Covid-19 on the agricultural supply chain of Latin America: The story behind the research," Episode19. 2nd. Part. El Zamopodcast. Podcast audio, October 31, 2020, 40 min.
<https://podcasts.apple.com/us/podcast/episodio-19-2da-parte-entrevista-con-colegas-investigadores/id1516893824?i=1000496707367&l=es>
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