

Henry J. Flowers Portillo

Department of Agricultural and Applied Economics
Texas Tech University
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Lubbock, TX 79409-2132

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

Updated: September 17, 2024
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RESEARCH INTEREST

Consumer Demand, Grain Economics, Marketing, International Trade, Economic Policy and Precision Agriculture

EDUCATION

Ph.D. candidate in Agricultural and Applied Economics 05/2026
Texas Tech University (Expected graduation)

Advisor: Modhurima Dey Amin

Dissertation:

M.S. in Agricultural Science 2022

Texas A&M Commerce

Advisor: Jose Lopez

Thesis: *"An Economic Analysis of Annual Ryegrass Management Practices In Soybean Production"*

M.S. in Business Administration 2022
Texas A&M Commerce

B.S. in Agricultural Science and Production 2019
Escuela Agrícola Panamericana Zamorano

Thesis: *"Evaluation of the effects of pre-initiating concentrates Nutreleche and Vitalechero on the performance of lactating calves"*

EMPLOYMENT HISTORY

Graduate Research Assistant 2022-Present
Texas Tech University, Lubbock, TX

Graduate Research Assistant 2024-Present
Texas Tech University, Lubbock, TX

Graduate Research Assistant 2021-2022
Texas A&M Commerce

Field Manager Sept,2020-2021
Sol Group Zacapec, Guatemala

Research Assistant Jan, 2020- Sept,2020
Auburn University, Alabama

Quality Control Intern 2019
Sol Group Marketing, USA, Florida

PUBLICATIONS

Working Papers

Flowers, H., Amin, M., and Hudson, D. "Detecting Potential Export Opportunities for the U.S. Meat Industry): A Machine Learning Approach"

Flowers, H., and Amin, M. "Evaluating the Effects of El Salvador's Policies under President Nayib Bukele (2019–2023): A Synthetic Control Method"

Flowers, H., Amin, M., Badruddoza S., and Olga M. "Exploring the Market Potential of US Sorghum as Animal Feed in Mexico: A Producer-Level Analysis"

Flowers, H., Jose Lopez., and David D. "An Economic Analysis of Annual Ryegrass Management Practices in Soybean Production"

CONFERENCE PRESENTATIONS

2019 Zamorano University (Bachelors Thesis)
Effect of two different starting feeds in dairy heifers

2020 PSA (Poultry Science Association) Annual Meeting Poster
Assessment of the angle of repose to measure corn Flowability

2021 Texas A&M Commerce Research Symposium Poster
Recruiting Texan Farmer Online

2022 Southern Rural Sociological Association SRSA Poster
Financial Benchmarking for Texan Farmers

2022 Texas A&M College Station Pathway Research Symposium. Poster
Ryegrass as a Cover Crop on Soybean no-till rotation system

2022 ACT-TJCAA Conference at Abilene Christian University. Poster
Ryegrass as a Cover Crop on Soybean no-till rotation system

2022 Texas A&M Commerce Annual Research Symposium. Poster
Ryegrass as a Cover Crop on Soybean no-till rotation system

2023 Southern Rural Sociological Association SRSA Presentation
Ryegrass as a Cover Crop on Soybean no-till rotation system

2024 Southern Rural Sociological Association SRSA Presentation
Exploring the Market Potential of US Sorghum as Animal Feed in Mexico:
A Producer-Level Analysis

GRANTS

Grants

Financial Benchmarking for North Texan Farmers, 2021-2022

Texas A&M Commerce

Role: Researcher

Demand for US sorghum from Mexican producers

Texas Tech

Role: Researcher

TEACHING EXPERIENCE

Instructor Texas Tech University	
AAEC-3301 Agribusiness Marketing (Face to Face)	Fall 2024
Teaching Assistant , Texas Tech University	
AAEC-2405 Agricultural Statistics (Face to Face)	Fall 2022
AAEC-3302 Agribusiness Finance (Face to Face)	Spring 2022

LEADERSHIP AND SERVICES

Engagement Activities

2023-2024 President of Agricultural Economics Graduate Student Association at Texas Tech University.
2024-2024 Secretary of ZamoRaiders at Texas Tech

Service

Commerce Texas Food Pantry
Texas A&M Commerce 2021

Lions for Christ Mission Trip
Texas A&M Commerce 2021

Meet Judging Experiences for High Schools
Auburn University 2020

AWARDS

2022 Texas A&M Commerce Change Maker in Service
2022 Third Place. ACT-TJCAA Poster Presentation. Abilene Christian University
2022 First Place. Annual Research Symposium. Texas A&M Commerce Poster

SKILLS

Software

Stata, SAS, R, Python, Excel, Qualtrics, and QGIS

Research

Survey Design, Data collection, Data Science, Applied Econometrics.

CERTIFICATES

Crop Practicum
Texas A&M Commerce, 2021

Usage and Management of Herbicides
Online, 2021

Agricultural Remote Sensing
AGEAP Online, 2020

Successful Negotiation: Essential Strategies and Skills by
University of Michigan Online, 2020

SMEs Basic Management
Universidad Católica de Chile Online, 2020

Coffee Production by Illy Café
EAP Zamorano University, 2018

MEMBERSHIP

2022-2025 Agricultural Economics Graduate Student Association at Texas Tech University

2023-2025 Zamoraiders

REFERENCES

Dr. Modhurima Dey Amin (PhD Advisor)
Assistant Professor
Department of Agricultural and Applied Economics, Texas Tech University
Email: Modhurima.Amin@ttu.edu

Dr. Carlos Carpio
Professor
Department of Agricultural and Applied Economics, Texas Tech University
Email: Carlos.Carpio@ttu.edu

Dr. Jose Lopez
Associate Professor
Department of Agricultural, Texas A&M Commerce
Email: Jose.Lopez@tamuc.edu

Dr. David Drake
Assistant Professor
Extension Agent-IPM (Integrated Pest Management)
Email: drdrake@ag.tamu.edu