

# Henry J. Flowers Portillo

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**Office:** Department of Agricultural and Applied Economics

Texas Tech University, 1312 Boston Ave. Ag. Sciences

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

## RESEARCH INTEREST

Consumer Demand

Grain Economics

Marketing

International Trade

Economic Policy

## EDUCATION

### **2026 Ph.D. in Agricultural and Applied Economics**

Texas Tech University – Advisor: Dr. Modhurima Dey Amin

### **2022 M.S. in Agricultural Science**

East Texas A&M University – Thesis: Economic Analysis of Annual Ryegrass  
Management Practices – Advisor: Dr. Jose Lopez

### **2022 M.S. in Business Administration**

Texas A&M Commerce

### **2019 B.S. in Agricultural Science and Production**

Zamorano University – Advisor: Dr. Marielena Moncada

## EMPLOYMENT HISTORY

(2022–2026) Graduate Research Assistant – Texas Tech University

(2024–2026) Graduate Teaching Instructor – Texas Tech University

(2021–2022) Graduate Research Assistant – East Texas A&M University

(2020–2021) Field Manager – Sol Group Zacapex, Guatemala

(2020) Research Assistant – Auburn University, Alabama

(2019) Quality Control Intern – Sol Group Marketing, 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”

### **Published Papers**

Flowers, H., Amin, M., Badruddoza S., and Olga M. 2025. “Mexican Animal Producers Value U.S. Sorghum as Feed, but Logistics and Policy Support Remain a Challenge.” Choices Magazine, (2025-0354) <https://www.choicesmagazine.org/choices-magazine/submitted-articles/mexican-animal-producers-value-us-sorghum-as-feed-but-logistics-and-policy-support-remain-a-challenge>

Lopez, J.A., H. Flowers, and D. Drake. 2022. “An agronomic and Economic Analysis of Annual Ryegrass management practices in North-Texas Soybean Production.” Journal of Agribusiness, 40(1): 47-65 <https://faculty.tamuc.edu/jlopez/documents/JAB-2022-vol40-no-1-pp-47-65.pdf>

## **CONFERENCE PRESENTATIONS**

**2025 Agriculture and Applied Economics Association AAEA (Presentation)**

Evaluating the Effects of Nayib Bukele's Anti-Gang Policies on El Salvador's Socio-Economic Landscape

**2024 Southern Agricultural Economics Association SAEA (Presentation)**

Willingness to Pay of Mexican Producers for Sorghum Based Feed

**2023 Southern Agricultural Economics Association SAEA (Presentation)**

An Agronomic and Economic Analysis of Annual Ryegrass Management Practices in North-Texas Soybean Production

**2022 East Texas A&M University Annual Research Symposium (Poster)**

Volunteer Annual Ryegrass as Forage and Cover Crop

**2022 Southern Rural Sociological Association SAEA (Poster)**

Federal Financial Benchmarking: Outreaching and Recruiting Agricultural Producers Online

**2022 Texas A&M College Station Pathway Research Symposium (Poster)**  
Volunteer Annual Ryegrass as Forage and Cover Crop

**2022 ACT-TJCAA Conference at Abilene Christian University (Poster)**  
Volunteer Annual Ryegrass as Forage and Cover Crop

**2021 East Texas A&M University Research Symposium (Poster)**  
Online Recruiting Texan Farmer Online

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

**2019 Zamorano University (Presentation)**  
Effect of two different starting feeds in dairy heifers (Spanish)

## **GRANTS**

Financial Benchmarking for North Texan Farmers, 2021-2022  
East Texas A&M University  
**Role:** Researcher

Demand for US sorghum from Mexican producers  
Texas Tech University  
**Role:** Researcher

## **TEACHING EXPERIENCE**

### **Instructor, Texas Tech University**

**AAEC-2305** Fundamentals of Agriculture and Applied Economics (Face to Face)  
Spring 2025  
**AAEC-3301** Agribusiness Marketing (Face to Face) Fall 2024

### **Teaching Assistant, Texas Tech University**

**AAEC 5306** Agribusiness Analytics (Online), Fall 2025  
**AAEC 4302** Applied Regression and Least Squares Analysis for Agricultural Sciences (Online), Fall 2025  
**AAEC 4302** Statistical Methods in Agricultural Research (Online) Spring 2025, Summer 2025  
**AAEC-2405** Agricultural Statistics (Face to Face) Fall 2022  
**AAEC-3302** Agribusiness Finance (Face to Face) Spring 2022

## **LEADERSHIP AND SERVICES**

### **Engagement Activities**

2023-2025 President of the Agricultural Economics Graduate Student Association at Texas Tech University.  
2024 Secretary of ZamoRaiders at Texas Tech

### **Service**

2021 Commerce Texas Food Pantry East Texas A&M University  
2021 Lions for Christ Mission Trip East Texas A&M University  
2020 Meet Judging Experiences for High Schools, Auburn University

## **AWARDS**

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

## **SKILLS**

### **Software**

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

### **Research**

Survey Design, Data Collection, Applied Econometrics, Machine Learning

## **CERTIFICATES**

2021 Crop Practicum East Texas A&M University  
2021 Usage and Management of Herbicides Online  
2020 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  
2018 Coffee Production by Illy Café EAP Zamorano University

## **MEMBERSHIPS**

2024-Present Agricultural & Applied Economics Association (AAEA)  
2022-2025 Agricultural Economics Graduate Student Association at Texas Tech University  
2023-2025 Zamoraiders (Zamorano Students in TTU)  
2021-2023 Southern Agricultural Economics Association (SAEA)

## **SCHOLARSHIPS**

2016-2019 Swiss Fund Scholarship (Zamorano University)  
2024-2025 Erin A. Wheeler-Cook Endowed Scholarship (TTU)

## REFERENCES

Dr. Modhurima Dey Amin (PhD Advisor)

Assistant Professor

Department of Agricultural and Applied Economics, Texas Tech University

Email: Modhurima.Amin@ttu.edu

Dr. Darren Hudson

Associate Dean for Strategic Initiatives and Assessment

Department of Agricultural and Applied Economics, Texas Tech University

Email: Darren.hudson@ttu.edu

Dr. Carlos Carpio

Head of the Department

Agricultural Economics and Agricultural Business, New Mexico State University

Email: Ccarpio@nmsu.edu

Dr. Jose Lopez (MSc Advisor)

Associate Professor

Department of Agriculture, East Texas A&M University

Email: Jose.Lopez@tamuc.edu

Dr. David Drake

Assistant Professor

Department of Agriculture, East Texas A&M University

Extension Agent-IPM (Integrated Pest Management)

Email: drdrake@ag.tamu.edu