

WELDENSIE T. EMBAYE

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(+1) 785 304 5074 ◊ wembaye@ksu.edu

EDUCATION

Doctor of Philosophy, Agricultural Economics

Expected May 2018

Kansas State University

Dissertation Title: Economics of Production Management.

Advisors: Jason Bergtold, Ben Schwab

Committee: Yacob Zereyesus, Jesse Tack, Yang-Ming Chang

Master of Science, Agribusiness and Agricultural Economics

September 2014

University of Ghent, Belgium

Distinction

Bachelor of Science, Agricultural Economics

October 2008

University of Asmara, Eritrea

Great Distinction

AREA OF INTEREST

- Applied Economics
- Microeconomics
- Production and Demand Analysis
- Price Analysis
- Business Policy Analysis
- Agribusiness Management
- Impact Evaluation
- Data Science

HONORS

- 2017 University Distinguished Professor Graduate Student Award from Kansas State University.
- Research Assistantship 2014-2018 for studying PhD, Department of Agricultural Economics at Kansas State University.
- Research Scholar March 2014- Aug. 2014, Internship, Department of Agricultural Economics, Kansas State University.
- Erasmus Mundus scholarship 2012-2014 for studying MSc in Internal Master of Rural Development, Department of Agricultural Economics, Ghent University, Belgium.

TRAVEL GRANT AWARDS

- University Distinguished Professor Graduate Student Award from Kansas State University Travel Grants (2017).
- Department of Agricultural Economics, Kansas State University Travel Grants (2015, 2016 & 2017).
- Western Agricultural Economics Association (2017 meeting).
- KSU Graduate Students Council Travel Grants (2015 & 2017).

MARKETING AND SALES EXPERIENCE

Business Manager 2002 – May 2012
Teklay's Family Agribusiness
Keren, Eritrea

- Production and Demand Analysis.

PROPERTY MANAGEMENT EXPERIENCE

Property Manager Oct. 2009-May 2012
Hamelmallo Agricultural College
Keren, Eritrea

- Head of Property Manager in Hamelmalo Agricultural College, Department of administration and finance

RESEARCH EXPERIENCE

Graduate Research Assistant Aug 2014 – Present
Department of Agricultural Economics
Kansas State University

- Millennium Challenge Corporations Compact (USIAD project) in Armenia. Conduct deep dive analysis on effect of water to market training on farmers income in Armenia.
- Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet. Conduct assessment on sorghum research and poverty reduction under trade distortions in Ethiopia.
- Examine oilseed production in rotation to wheat production in the great plain of the United States (USDA, NIFA).

TEACHING EXPERIENCE

Graduate Teaching Assistant Sept 2016 - Present
Department of Agricultural Economics
Kansas State University

- Instructor: AGEC 115- Decision Tools for Agricultural Economics and Agribusiness (Fall 2017)
- Lab Instructor: AGEC 712-Optimization Techniques for Agricultural Economics (Spring 2017)
- Lab Instructor: AGEC 115-Decision Tools for Agricultural Economics and Agribusiness (Spring 2017)

- Instructor: Introduction to Economics, Principles of Agricultural Economics, Farm Management, Agribusiness Management, Agricultural Work Experience I, Principles of Macroeconomics, and Principles of Accounting I.

PEER-REVIEWED JOURNAL ARTICLE(S)

- **Embaye, Weldensie T.**, and Yacob Zereyesus. “Measuring the value of housing services in household surveys: an application of machine learning approach.” *American Journal of Agricultural Economics*. (Under review).
- **Embaye, Weldensie T.**, Jason Bergtold, David Archer, Cornelia Flora, Graciela C. Andrango, Marting Odening, and Jeroen Buysse. “Examining farmers willingness to grow and allocate land for oilseed crops for biofuel production.” *Energy Economics Journal*. (Accepted).
- **Embaye, Weldensie T.**, Hendricks, N., & Lilja, N. (2017). Sorghum research and poverty reduction in the presence of trade distortions in Ethiopia. *African Journal of Agricultural and Resource Economics-AFJARE*. 12(2), 174-187.
- Zereyesus, Yacob A., **Embaye, W. T.**, Tsiboe, F., & Amanor-Boadu, V. (2017). Implications of Non-Farm Work to Vulnerability to Food Poverty-Recent Evidence from Northern Ghana. *World Development* 91, 113-124.

WORKING PAPERS

- **Embaye, Weldensie T.**, Yacob Zereyesus. “Estimating Food Demand Elasticities in Uganda.”
- **Embaye, Weldensie T.**, Yacob Zereyesus. “Impact of US Maize Price Shocks on Uganda Maize Price.”
- **Embaye, Weldensie T.**, Jason Bergtold, Ben Schwab, Aleksan Shanoyan. “Evaluation of Extension Program: Impact on Farm Productivity.”
- **Embaye, Weldensie T.**, Jason Bergtold, Ben Schwab. “Impact of Crop Insurance Subsidy on Productivity of Food Producers in Kansas.”
- **Embaye, Weldensie T.**, Jason Bergtold, Ben Schwab, Yacob Zereyesus. “Modeling Farm Household’s Productivity under Inseparable Production and Consumption Decisions.”

PROFESSIONAL PRESENTATIONS

- **Embaye, Weldensie T.**, Jason Bergtold, Ben Schwab, Aleksan Shanoyan (2017): “Evaluation of Extension Program: Impact on Farm Productivity.” Paper presentation at WAEA Annual Meeting, Lake Tahoe, NV. July 9-11.
- **Embaye, Weldensie T.**, Zereyesus, Y. A. (2017). Measuring the value of housing services in household surveys: an application of machine learning approach. In 2017 Annual Meeting, February 4-7, 2017, Mobile, Alabama (No. 252851). Southern Agricultural Economics Association.

- **Embaye, Weldensie T.**, Bergtold, J., Schwab, B., Shanoyan, A. (2016). Farm Training and Farm productivity in Armenia: A Cluster Analysis. Poster presentation at AAEA Annual Meeting, Boston, MA. July 31 August 2.
- **Embaye, Weldensie T.**, Yacob A. Zereyesus and Francis Tsiboe. (2016). Impact of shocks and remittance on vulnerability to poverty in Bangladesh. Paper presentation at AAEA Annual Meeting, Boston, MA. July 31 August 2.
- **Embaye, Weldensie T.**, Liljia, N., Hendricks, N., Dalton, T. (2015). Sorghum Research and Poverty Reduction in The Presence of Trade Distortion in Ethiopia. In 2015 AAEA & WAEA Joint Annual Meeting, July 26-28, San Francisco, California (No. 205706). Agricultural and Applied Economics Association & Western Agricultural Economics Association.
- **Embaye, Weldensie T.**, Jason Bergtold, Ben Schwab, Aleksan Shanoyan. (2016). Farm Training and Farm Productivity in Armenia: A Cluster Analysis. Paper presentation at the K-State Research Forum, Manhattan, KS. March 30.

PROFESSIONAL SERVICE

- Reviewer for Canadian Journal of Agricultural Economics, April 2017
- President of African Students Union scholarships at Kansas State University, Oct. 2016- May, 2017
- Secretary of African Student Union at Kansas State University, May 2016-Present
- International Student Services Speaker: Present my country Eritrea: around 40 students on April 30, 2015.
- Helping International students admission: Fall, 2015.
- President of exhibitions and relationship at Department of Agricultural Economics, Hamelmalo Agricultural College, Eritrea, September 2010-May 2012

PROFESSIONAL MEMBERSHIP

- American Economics Association since 2017
- American Agricultural Economics Association since 2014
- Southern Agricultural Economics Association since 2016
- Western Agricultural Economics Association since 2016

TECHNICAL STRENGTHS

- Statistical Software: R-software, Limdep, SAS, STATA, and Mat-Lab
- Accounting Software: Peach Tree.
- Computer programming: Java Language

LANGUAGES

- **English** (Fluent)
- **Tigrigna** (Native)

REFERENCES

- **Jason Bergtold**, Professor and Director of Graduate Programs, Department of Agricultural Economics, Kansas State University, 785-532-0984, bergtold@ksu.edu
- **Ben Schwab**, Assistant Professor, Department of Agricultural Economics, Kansas State University, 785-532-2113, benschwab@ksu.edu.
- **Yacob Zereyesus**, Assistant Professor, Department of Agricultural Economics, Kansas State University, 785-532-4438, yacobaz@ksu.edu.
- **Jesse Tack**, Associate Professor, Department of Agricultural Economics, Kansas State University, 785-532-4443, jtack@ksu.edu.
- **Nathan Hendricks**, Associate Professor, Department of Agricultural Economics, Kansas State University, 785.532.3740, np@ksu.edu.

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