

YACOB ABREHE ZEREYESUS-2017

PERSONAL INFORMATION

Yacob A. Zereyesus

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Office:
Department of Agricultural Economics
Kansas State University
337b Waters Hall
Manhattan, KS, 66506

CURRENT EMPLOYMENT

January 2011 - Research Assistant Professor
Department of Agricultural Economics
Kansas State University, Manhattan, KS

EDUCATION

Ph.D. Economics	Kansas State University, Manhattan, KS	Dec. 2010
Certificate Big Data	Coursera, University of San Diego, CA	2016
Certificate Applied Statistics	Kansas State University, Manhattan, KS	May 2010
M.Sc. Agricultural Economics	Kansas State University, Manhattan, KS	2009
M.Sc. Agribusiness	University of the Free State, South Africa	2003
B.Sc. Plant Sciences	University of Asmara, Eritrea	1997

ADDITIONAL TRAININGS AND SKILLS

1. 2017 Professional Grant Development Workshop, 2-3 November, 2017, Manhattan, KS
2. 2017 American Economic Association Continuing Education: Cross Section Econometrics , 8-10 January 2017, Chicago, IL

PUBLICATIONS

Articles in peer reviewed journals (g after name indicates research work with a graduate student)

1. **Zereyesus, Y. A.**, and T.J. Dalton (2017). “Rates of Returns to Sorghum and Millet Research Investments: A meta-analysis” *PLOS ONE* <https://doi.org/10.1371/journal.pone.0180414>
2. **Zereyesus, Y.A.** (2017) “Women’s Empowerment in Agriculture and Household-level Health in northern Ghana: A Capability Approach” *Journal of international development* <http://onlinelibrary.wiley.com/doi/10.1002/jid.3307/epdf>
3. Tsiboe, F^g, **Zereyesus, Y. A.**, E. Osei^g, and J. S. Popp “The Effect of Disempowerment on Rural Women’s Health in Northern Ghana” *African Journal of Agricultural and Resource Economics*.(in press).
4. Tsiboe, F^g, **Zereyesus, Y. A.**, E. Osei^g, and J. S. Popp (2017) “Effect of Women’s Empowerment in Agriculture on Household’s Nutrition and Food Security in Ghana” *Social Indicators Research*, 133 <https://link.springer.com/article/10.1007/s11205-017-1659-4>
5. Amanor-Boadu, V., K.L. Ross, and **Y.A. Zereyesus** (2017). “Enhancing the Middle Class as a Development Resource in Africa: Insights from Northern Ghana” *Journal of African Studies and Development*, 9(3): 15-22 [doi: 10.5897/JASD2016.0428](https://doi.org/10.5897/JASD2016.0428)

6. **Zereyesus, Y. A.** and Featherstone, A. M. (2017) “Empirical analysis of profit maximization and cost minimization behavior of Kansas farms” *Applied Economics Letters*, 17, 1255-1258
<http://dx.doi.org/10.1080/13504851.2016.1270407>
7. **Zereyesus, Y.A.**, W.T. Embaye[§], F. Tsiboe[§] and V. Amanor-Boadu (2017). “Implications of non-farm work to vulnerability to food poverty – recent evidence from northern Ghana” *World Development*, 90, <http://dx.doi.org/10.1016/j.world.dev.2016.10.015>

Articles under review in professional journals ([§] after name indicates research work with a graduate student)

1. **Zereyesus, Y. A.**, Featherstone, A. M. and Langemeier, M. R. “Are Farms Profit Maximizers? A Stochastic Additive Error Approach” *Agricultural Economics (revised and resubmitted)*.
2. Gregory Regier[§], Timothy J. Dalton, **Y.A. Zereyesus**, and V. Amanor-Boadu. “Do Adult Equivalence Scales Matter in Poverty Estimates? Evidence from Ghana” *Journal of international development (revised and resubmitted)*.
3. Amanor-Boadu, V., F.K. Nti[§], **Y. A. Zereyesus**, K. Ross “Efficiency, Resource-Based View of the Firm and Development Strategy: A Case of Smallholder Farmers in Northern Ghana” *International Food and Agribusiness Management Review (revise and resubmit)*.
4. Embaye[§], W. and **Y.A. Zereyesus** “Measuring the value of housing services in household surveys: an application of machine learning approach” *World Bank Economic Review*
5. **Zereyesus, Y. A.**, F. Tsiboe[§] and W. Embaye[§] “The Effect of Shocks and Remittances on Household’s Vulnerability to Poverty: evidence from Bangladesh”, *Food Policy*.
6. Ross, K. **Y. A. Zereyesus**, E. Gutierrez[§], and V. Amanor-Boadu “Examining the Dependence of Children’s Nutritional Status in Northern Ghana” *journal of public health*.
7. Mzyece[§], A., A. Shanoyan, **Y.A. Zereyesus**, K.L. Ross, and V. Amanor-Boadu. “*Transaction Costs and Market Participation: Recent Evidence from Northern Ghana.*”, *Agribusiness*.
8. Yahaya I., B. Haruna, **Y.A. Zereyesus**, and T. Nakelse[§] “Complementarity of Technology Adoption and Social Capital Participation: The Case of Systems of Rice Intensification in Ghana” *World Development*.

RESEARCH REPORTS ([§] after name indicates research work with a graduate student)

Zereyesus, Y. A., K. Ross, and V. Amanor-Boadu (2017). Statistical Summary of Gross Margin Estimates for Northern Ghana for the 2015 and 2016 Cropping Seasons. Manhattan, KS: Department of Agricultural Economics, Kansas State University

WORK ON PROGRESS ([§] after name indicates research work with a graduate student)

1. “Relationship between Efficiency Performances and Optimization Behavior of Farms: An Empirical Analysis” with Amin Mugeru and Allen M. Featherstone
2. “Nonparametric analysis of optimization behavior of farms with quantity uncertainties” with Allen M. Featherstone
3. “The Impact of Climate Change on Farm Incomes and Production Efficiency in Kansas” with Amin Mugeru
4. “Decomposing Gender Inequality in Agricultural Productivity in Bangladesh” with Elizabeth Gutierrez[§]
5. “Poverty analysis in northern Ghana: a comparison of subjective and objective approaches” with K. Ross and V. Amanor-Boadu

6. “Household elasticities for nutrients in northern Ghana” with F. Nti^g, and F. Tsiboe^g
7. “Food Demand Analysis in Bangladesh” with A. Shanoyan and V. Hovhannisyan
8. “Improved Seeds, Gender Differences and Agricultural Productivity in Northern Ghana” with Ross, K. E. Gutierrez^g, and V. Amanor-Boadu
9. “Efficiency implications of the use of improved variety seeds in resource poor households” with R. Armah^g, K. Ross, F. Nti^g, and V. Amanor-Boadu.
10. “The Impact of Enterprise Resource Planning Technology on Productivity of Food Economy Firms: an application of Malmquist Productivity Index Analysis” with Harris, K., N. Pates^g,
11. “Modeling Farm Household’s Productivity under inseparable production and consumption decisions” with Embaye^g, W., J. Bergtold, B. Schwab.
12. “Longitudinal analysis of child malnutrition trends in Ghana” with Ross, K., and A. Shanoyan
13. “Improving the prediction of housing values in living standard measurement surveys using Machine Learning methods ” with W. Embaye

RESEARCH CONTRACTS/GRANTS

Title: **Safe Feed Safe Food: Mycotoxin Prevalence and Mitigation Measures in Ethiopia** (USD 118,000)

Role: Principal Investigator

02/2017-

Title: **Monitoring and Evaluation and Technical Support Services (METSS-III) Ghana Implementation (Sustaining Economic Growth through Effective Management and Collaboration)** (USD 1.5 million)

Role: Co-Principal Investigator

PRESENTATIONS AT CONFERENCES (^g after name indicates research work with a graduate student)

1. Merwe, D. van der, **Zereyesus, Y.A.** Rottinghaus g. and Birkelo, C. “A survey of mycotoxins in Ethiopian livestock feeds” paper accepted for presentation at the World Mycotoxin Forum 10th Conference, 12-14 March 2018, Amsterdam, the Netherlands.
2. **Y.A. Zereyesus**, R. Armah, K. Ross, and F. Nti, V. Amanor-Boadu “Efficiency Implications of the Use of Improved Variety Seeds in Resource Poor Households” selected paper for presentations at the SAEA Annual Meeting in Jacksonville, FL, Feb 5-8, 2018
3. K. Ross, E. Gutierrez, **Y.A. Zereyesus**, and V. Amanor-Boadu “Improved Seeds, Gender Differences and Agricultural Productivity in Northern Ghana” selected paper for presentations at the SAEA Annual Meeting in Jacksonville, FL, Feb 5-8, 2018
4. Kotchofa^g, P. A., K. Ross, V. Amanor-Boadu , and **Y.A. Zereyesus** “Expenditure And Price Elasticities Of Demand For Cowpea In Northern Ghana.” selected paper for presentations at the AAEEA Annual Meeting in Chicago, IL, July 29-August 1, 2017
5. P. Kotchofa, K. Ross, V. Amanor-Boadu and **Y. A. Zereyesus** “Expenditure and Price Elasticities of Demand for Legumes in Northern Ghana” Poster presented at the Legume Innovation Lab Global Conference, Ouagadougou, Burkina Faso, Aug. 13-18, 2017.
6. **Y.A. Zereyesus**, K. Ross, and V. Amanor-Boadu “*Poverty Analysis in Northern Ghana: A Comparison of Subjective and Objective Approaches*” selected paper for presentations at the SAEA Annual Meeting in Mobile, AL, Feb 4-7, 2017

7. Ross, K., F. Nti, A. Shanoyan, **Y.A. Zereyesus** and V. Amanor-Boadu “*Creating Opportunities in Ghana’s Poultry Industry through Private Strategies and Public Policies*” selected paper for presentations at the SAEA Annual Meeting in Mobile, AL, Feb 4-7, 2017
8. Embaye [§], W. and **Y.A. Zereyesus** “*Measuring the value of housing services in household surveys: an application of machine learning approach*” selected paper for presentations at the SAEA Annual Meeting in Mobile, AL, Feb 4-7, 2017
9. Gutierrez [§], E.G., **Y.A. Zereyesus**, K. Ross, and V. Amanor-Boadu “*An Assessment of Resilience in Northern Ghana*” selected paper for presentations at the SAEA Annual Meeting in Mobile, AL, Feb 4-7, 2017

SEMINARS, WORKSHOPS, PRESENTATIONS AND EXTENSION MEETINGS

1. **Zereyesus, Y.A.** Impact Evaluation in Practice, METSS Office, Accra, Ghana, March 10, 2017.

PROFESSIONAL ACTIVITIES

Representative, Campus Environmental Health and Safety Committee, Kansas State University
 Abstract Reviewer, Agricultural and Applied Economics Association Annual Meeting
 Nominating committee, AAEEA Africa Section,
 Expert Reviewer, Grand Challenges Canada, Global Center for Food Systems Innovation Grants, CRDF Global ;
 Reviewer, PLOS ONE, 2017 Journal of Development Studies 2017

GRADUATE STUDENTS

Weldensie Embaye	committee member	PhD	2018
Sandra Contreras	committee member	PhD	2017
Mengistu Kassie	committee member	MSc	2017

MAB GRADUATE STUDENTS

Bethany Huls	committee member	MAB	2018
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PROFESSIONAL MEMBERSHIP

American Economic Association (AEA)
 Agricultural and Applied Economics Association (AAEA)
 Southern Agricultural Economics Association (SAEA)

RESEARCH AND TEACHING INTEREST

Teaching interest

Development Economics, Demand Analysis, Production Analysis, Agribusiness Management, Behavioral Economics, Consumer Behavior, Applied Econometrics, Principles of Microeconomics and Macroeconomics, and Statistics

Research interest

Causal Modeling, Impact Assessment, Nonparametric analysis, Consumption Modeling , and Structural Equation Modeling

ANALYTICAL TOOLS

Stata, GAMS, R, SAS, and SPSS