

**Curriculum Vitae**  
**Francis Tsiboe**

**Contact:**           **Email:** [ftsiboe@hotmail.com](mailto:ftsiboe@hotmail.com)

**Website:** [www.francistsiboe.com](http://www.francistsiboe.com)

**Education**

Ph.D. Agricultural Economics, Kansas State University, [attained candidacy] (expected 2021)

Major Advisor: [Jesse Tack](#)

MS. Agricultural Economics, University of Arkansas, 2013-2015

Major Advisors: [Lawton Lanier Nalley](#) and [Jeff Luckstead](#)

BS. Agriculture (Agribusiness Major), University of Ghana, 2007-2011

Major Advisor: [Akwasi Mensah-Bonsu](#)

**Research Interest**

Production economics, crop insurance, impact evaluation, plant genetics economics, food security and poverty, international development, price and market analysis, and gender studies. - *I am open to exploring new research areas.*

**Professional Experience**

Graduate Assistant, Department of Agricultural Economics, Kansas State University, Manhattan KS, USA,  
Aug/2017

Research Program Associate, Agricultural Economics and Agribusiness, University of Arkansas, Fayetteville AR,  
USA, Aug/2015 – Jan/2017.

Research Assistant, Agricultural Economics and Agribusiness, University of Arkansas, Fayetteville AR, USA,  
May/2014 – Aug/2015.

Monitoring and Evaluation Intern, World Cocoa Foundation, Accra, Ghana, May/2014 – July/2014.

Teaching Assistant, Agricultural Economics and Agribusiness, University of Arkansas, Fayetteville AR, USA,  
August/2013 – May/2014.

Customer Service Associate, Duane Reade, Manhattan NY, USA, January/2013 – August/2013.

Research Assistant, Agricultural Economics and Agribusiness, University of Ghana, Accra, Ghana, September/2011  
– August/2012.

**Teaching Experience**

AGEC 5613: Econometrics I – Spring 2015 for Dr. Bruce Dixon at University of Arkansas, Fayetteville AR, USA.  
Topic; Difference-in-Differences Estimation. (Graduate) [Guest Lecture]

AGEC 2403: Quantitative Tools for Agribusiness – Spring 2014 for Dr. Qiuqiong Huang at University of Arkansas,  
Fayetteville AR, USA. Topic; Describing Data. (Undergraduate) [Guest Lecture]

AGEC 4163: Agricultural and Rural Development – Fall 2013 and 2014 for Dr. Lanier Nalley at University of  
Arkansas, Fayetteville AR, USA. Topic; Development In Ghana. (Undergraduate) [Guest Lecture]

**Research Performance**

[Researchgate](#): Score – 19.40 (70% percentile), Publication reads – 7,081, Citations – 89

[Google scholar](#): i10-index – 4, h-index – 7, Citations – 148

Publication rate: 2012/18 – 3/year, (2017=8), (2018=5), (2019=2)

Authorship: 13 first-authored published; 10 co-authored published

## Book Sections (1)

Wailles, E., Durand-Morat, A., Chavez, E., Alam, M., Mwaijande, F., Steur, H. De, **Tsiboe, F.** (2015). Identifying and analysing barriers to the acceptance and use of GM rice. In P. Mitton & D. Bennett (Eds.), *Analyses, Africa's Future. Can Biosciences Contribute?* (pp. 129–137). Cambridge, England: Banson/B4FA. [LINK](#)

## Published Journal Articles (21)

Luckstead, J., **Tsiboe, F.**, & Nalley, L. L. (2019). Estimating the Economic Incentives Necessary for Eliminating Child Labor in Ghanaian Cocoa Production. *PLOS ONE*, 14(6), e0217230. [LINK](#)

Kovacs, K., Lee, J.-Y., Henry, C., Krutz, L. J., Nayga, R., & **Tsiboe, F.** (2019). Factors Influencing the Willingness to Pay for On-Farm Water Infrastructure. *Journal of Soil and Water Conservation*, 74(3), 243–252. [LINK](#)

**Tsiboe, F.**, Luckstead, J., Nalley, L. L., Popp, J. S., & Dixon, B. L. (2018). Market effects of farmer field schools in Sub-Saharan Africa: The case for cocoa. *Review of Development Economics*, 22(4), e160–e184. [LINK](#)

**Tsiboe, F.**, Luckstead, J., Dixon, B. L., Nalley, L. L., & Popp, J. S. (2018). Analyzing Labor Heterogeneity In Ghanaian Cocoa Production And Its Implications For Separability In Household Decisions And Policy Assessment. *Journal of Agricultural and Applied Economics*, 1–26. [LINK](#)

**Tsiboe, F.**, Nalley, L., Brye, K., Dixon, B., Shew, A., Tack, J., & Barkley, A. (2018). Estimating Spatial Differences in Methane Emissions to Identify Sustainable Rice Sources. *Agronomy Journal*, 110(2). [LINK](#)

**Tsiboe, F.**, Zereyesus, Y. A., Osei, E., & Popp, J. S. (2018). Health Effects of Women Empowerment in Agriculture in Northern Ghana: Differing Patterns by Body Mass Index Categories. *African Journal of Agricultural and Resource Economics*, 13(1), 31–43. [LINK](#)

**Tsiboe, F.**, Zereyesus, Y. A., Popp, J. S., & Osei, E. (2018). The Effect of Women's Empowerment in Agriculture on Household Nutrition and Food Poverty in Northern Ghana. *Social Indicators Research*, 138(1), 89–108. [LINK](#)

Dlamini, T., Nalley, L., **Tsiboe, F.**, Barkley, A., & Shew, A. (2017). The Economic Impact Of The South African Agricultural Research Council's Dry Beans Breeding Program. *Journal of Agricultural and Applied Economics*, 49(02), 232–250. [LINK](#)

Musliu, A., Bajrami, E., **Tsiboe, F.**, & Popp, J. S. (2017). Evaluating the impact of the Value Added Tax reform on raw milk collection in Kosovo. *New Medit: A Mediterranean Journal of Economics, Agriculture and Environment*, 16(1), 29–35. [LINK](#)

Nalley, L., Tack, J., Durand, A., Thoma, G., **Tsiboe, F.**, Shew, A., & Barkley, A. (2017). The Production, Consumption, and Environmental Impacts of Rice Hybridization in the United States. *Agronomy Journal*, 109(1), 193. [LINK](#)

Shew, A. M., Danforth, D. M., Nalley, L. L., Nayga, R. M., **Tsiboe, F.**, & Dixon, B. L. (2017). New innovations in agricultural biotech: Consumer acceptance of topical RNAi in rice production. *Food Control*, 81, 189–195. [LINK](#)

**Tsiboe, F.**, Nalley, L. L., Dixon, B. L., Danforth, D., Delwaide, A.-C., & Nayga, R. M. (2017). Ghanaian Consumers' Attitudes toward Cisgenic Rice: Are all Genetically Modified Rice the Same? *Ghana Journal of Development Studies*, 14(1), 1. [LINK](#)

**Tsiboe, F.**, Nalley, L. L., Durand, A., Thoma, G., Shew, A., Durand-Morat, A., ... Shew, A. (2017). The Economic and Environmental Benefits of Sheath Blight Resistance in Rice. *Journal of Agricultural and Resource Economics*, 42(2), 215–235. [LINK](#)

**Tsiboe, F.**, Popp, J. S., & Brye, K. R. (2017). Profitability of Alternative Management Practices in a Wheat–Soybean, Double-Crop Production System in Arkansas. *Agronomy Journal*, 109(5), 2149. [LINK](#)

Zereyesus, Y. 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. [LINK](#)

Nalley, L., **Tsiboe, F.**, Durand-Morat, A., Shew, A., & Thoma, G. (2016). Economic and Environmental Impact of Rice Blast Pathogen (*Magnaporthe oryzae*) Alleviation in the United States. *PLOS ONE*, 11(12), e0167295. [LINK](#)

**Tsiboe, F.**, Dixon, B. L., Nalley, L. L., Popp, J. S., & Luckstead, J. (2016). Estimating the impact of farmer field schools in sub-Saharan Africa: the case of cocoa. *Agricultural Economics*, 47(3), 329–339. [LINK](#)

**Tsiboe, F.**, Dixon, B. L., & Wailes, E. J. (2016). Spatial Dynamics and Determinants of Liberian Rice Market Integration. *African Journal of Agricultural and Resource Economics*, 11(3). [LINK](#)

**Tsiboe, F.**, & Nalley, L. L. (2016). Effect of Biotic and Abiotic Stress on Household Cocoa Yields in Ghana. *African Journal of Agricultural and Resource Economics*, 11(3). [LINK](#)

**Tsiboe, F.**, Zereyesus, Y. A., & Osei, E. (2016). Non-farm work, food poverty, and nutrient availability in northern Ghana. *Journal of Rural Studies*, 47, 97–107. [LINK](#)

Mensah-Bonsu, A., & **Tsiboe, F.** (2011). Analysis Of The Constraints And Their Effects On The Marketing Of Cassava By Farmers In The Ajumaku-Enyan Essiam District Of Ghana. *Ghana Journal of Agric science*, 45, 95–108. [LINK](#)

#### **Informational and Technical Bulletins (1)**

**Tsiboe, F.**, L. Nalley, K. Brye, B. Dixon and A. Shew. The Economics of Methane Emissions in Arkansas Rice Production. B.R. Wells Arkansas Rice Research Studies (2015): 456-467. Agricultural Experiment Station. Fayetteville, Arkansas. 2016. [LINK](#)

#### **Honors and Awards**

Outstanding Agricultural Economics Masters Student, University of Arkansas, 2015.

Outstanding Master's Thesis Award, Southern Agricultural Economics Association, 2017.

#### **Professional Memberships**

African Association of Agricultural Economists (AAAE)

Agricultural & Applied Economics Association (AAEA)

Ghana Association of Agricultural Economists (GAEE)

Southern Agricultural Economics Association (SAEA)

#### **Service to Profession**

Reviewed 5 manuscripts during 2015-2017 with number of manuscripts in parentheses.

African Journal of Agricultural and Resource Economics (1)

Agriculture Economics (2)

Social Indicators Research (2)

#### **Service to Society**

German shepherd dog breeder @ [German Shepherd Hub](#); My family selectively breeds outstanding German shepherd puppies in our Ghana home for security purposes and as pets.

Cross Cultural Mentor, University of Arkansas, Fayetteville AR, USA, February/2014 – February/2015

Acted as student leader who educated new graduate students of University of Arkansas about campus and community life, provided a connection to the University, and answered many of the questions new students may

have upon arrival and during their first semester in the U.S. I also assisted new students facing difficulties with communication, social relationships, academic expectations, and cultural changes.

House Leader, International Student Christian Association (ISCA), University of Arkansas, Fayetteville AR, USA, Aug/2015 – May/2016

President /Treasurer, Minorities in Agriculture and Related Sciences (MANRRS), University of Arkansas, Fayetteville AR, USA, January/2014 – Aug/2015

HIV/AIDS Ambassador, KEBA Africa, Accra, Ghana, January/2006 – July/2012  
Conducting Voluntary Counselling and Testing on HIV/AIDS.

### **Software Proficiency**

STATA (high),	R (moderate),	SPSS (moderate),
EViews (moderate),	SAS (beginner),	Gams (beginner)

**Languages Proficiency:** English, Akan, and Ga

### **Invited Presentations (4) (\* denotes presenter)**

Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., **Tsiboe, F.**, & Krutz, L. (2017a). Investment in irrigation efficiency and intertemporal time preferences. Invited Presentation, University of Florida, Gainesville, FL, 2017, November 2nd-3rd.

Shew, A.M., L. Nalley \*, D. Danforth, R. Nayga, Jr., B. Dixon, **F. Tsiboe**. Demand-side Analysis of the Viability of Topical RNAi Insecticide in Food Production. Invited lecture at the EU-iPLANTA Cost Action WG4 Meeting: Benefits and Costs Associated with using RNAi Technologies. Milan, Italy, October 18-19th, 2017.

Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., **Tsiboe, F.**, & Krutz, L. (2017b). Producer discount rates for investment in irrigation efficiency. Invited Presentation, Kansas State University, Manhattan, KS, 2017, September 7th-8th.

Shew, A., **Tsiboe, F.**, Nalley, L. L., Dixon, B. L.\*, Danforth, D. M., Nayga, R., & Delwaide, A.-C. (2015). Consumer Acceptance of Cisgenically Bred Rice: An International Comparison. Presented at the 2015 Conference on Global System Risk in Food, Energy and Finance. Korea University, October 27-November 1, 2015, Seoul, South Korea., 135–152.

### **Refereed Professional Paper Presentations (16) (\* denotes presenter)**

**Tsiboe, F\***. (2019). Regional and Temporal Comparison of Cocoa Production Technology Gaps and Technical Inefficiency in Ghana. Presented at the Ghana Association Of Agricultural Economists (GAAE) Annual Meeting. July 23-26, 2019, Accra, Ghana.

**Tsiboe, F.**, Zereyesus, Y.\*, Armah, R., and Annim, S. (2019). Empirical Investigation of Intertemporal Poverty Dynamics in Ghana. Presented at the American Agricultural Economics Association (AAEA) Annual Meeting. July 21-23, 2019, Atlanta, GA.

**Tsiboe, F.** and Zereyesus, Y.\* (2018). Allocation of Household Labor and Its Implications for Productive Investments, Income, and Caloric Availability: Insights from Bangladesh. Presented at the American Agricultural Economics Association (AAEA) Annual Meeting. August 5 - 7, 2018, Washington, D.C.

Mzyece, A. \*, Zereyesus, Y., Shanoyan, A., & **Tsiboe, F.** (2018). Demand Analysis for Electricity, Solar, Gas and Wood Fuel Energy in Ghana. Presented at the Western Agricultural Economics Association (WAEA) Annual Meeting. June 24-26, 2018. Anchorage, Alaska.

- Nalley, L. \*, **Tsiboe, F.**, Durand-Morat, A., Thoma, G., & Shew, A. (2017). The Economic Impact of Rice Sheath Blight Alleviation in the Mid-South. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting. February 4-7, 2017, Mobile, Alabama.
- Zereyesus, Y. A. \*, Embaye, W. T., **Tsiboe, F.**, & Amanor-Boadu, V. (2016). Participation in non-farm work and vulnerability to food poverty of households in northern Ghana. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 31-August 2, 2016. Boston, Massachusetts.
- Shew, A. \*, Danforth, D. M., Nalley, L. L., Dixon, B. L., Nayga, R., & **Tsiboe, F.** (2016). Are All Biotechnologies the Same? Consumer Valuation of Non-GMO RNA Interference and GMO Bacillus Yhuringiensis for Insect Control in Rice Production in the USA, Canada, Belgium, France, and Australia. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 31-August 2, 2016. Boston, Massachusetts.
- Zereyesus, Y. A. \*, **Tsiboe, F.**, & Embaye, W. T. (2016). The Effect of Shocks and Remittances on Household's Vulnerability to Poverty: evidence from Bangladesh. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 31-August 2, 2016. Boston, Massachusetts.
- Tsiboe, F.**, Shew, A. \*, Nalley, L. L., Dixon, B. L., Tack, J. B., Barkley, A., & Brye, K. R. (2016). Quantifying Spatial Differences in Methane Emissions from Rice Production. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 31-August 2, 2016. Boston, Massachusetts.
- Tsiboe, F.**, Shew, A. \*, & Nalley, L. L. (2016). The Economic Impact of Rice Blast Alleviation in the Mid-South of the United States. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting. February 6-9, 2016, San Antonio, Texas.
- Tsiboe, F.**, Zereyesus, Y. A. \*, Osei, E., & Popp, J. S. (2016). Food and Nutrition Security Implications of Women's Empowerment in Agriculture: Insights from Northern Ghana. Presented at the 26th Annual IFAMA World Conference & 12th Wageningen International Conference on Chain and Network Management (WICANEM). Aarhus, Denmark, June 19-23, 2016.
- Tsiboe, F.** \*, Shew, A. M., & Nalley, L. L. (2016). Rice Blast in the Mid-South of the United States: Economic Appraisal of Genetic Resistance. Presented at the 36th Rice Technical Working Group meeting (RTWG). March 1-4, 2016. Galveston, Texas.
- Dlamini, T., Nalley, L. L. \*, **Tsiboe, F.**, Shew, A. M., & Barkley, A. (2016). The economic impact of the South African Agricultural Research Council's dry bean breeding program. Presented at the African Association of Agricultural Economists (AAAE) Annual Meeting, September 23 - 26, 2016. Addis Ababa, Ethiopia.
- Durand-Morat, A. \*, Wailes, E., Alam, M., Mwaijande, F., & **Tsiboe, F.** (2015). Multi-Country Assessment of Barriers to Acceptance of GM Rice. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting, Atlanta, Georgia. January 31-February 3, 2015.
- Tsiboe, F.** \*, Dixon, B., Nalley, L., Popp, J., & Luckstead, J. (2015). Cost-Benefit Analysis of Farmer Field Schools in West Africa: The Case of Cocoa. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting, Atlanta, Georgia. January 31-February 3, 2015.
- Mensah-Bonsu, A., & **Tsiboe, F.** \*. (2011). Analysis Of The Constraints And Their Effects On The Marketing Of Cassava By Farmers In The Ajumaku-Enyan Essiam District Of Ghana. Presented at the West Africa Root and Tuber Crops Conference. 12-16 September 2011. Accra, Ghana.

**Refereed Professional Poster Presentations (10) (\* denotes presenter)**

- Tsiboe, F.**, Nalley, L. L. \*, & Bajrami, E. (2018). Economic Incentives Necessary for Adoption of Environmentally Friendly Cocoa Production in Ghana. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting. February 2-6, 2018, Jacksonville, Florida.
- Bajrami, E. \*, **Tsiboe, F.**, Musliu, A., Miftari, I., Wailes, E., & Dixon, B. (2017). Estimating The Effect Of Direct Payments On Technical Efficiency: The Case Of Dairy Farms In The Region Of Prishtina And Peja. Presented at the XV EAAE Congress. August 29 – September 1, 2017. Parma, Italy.
- Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., Krutz, L., & **Tsiboe, F.** (2017). What are producer discount rates for irrigation investments? Presented at W3190: Water Policy and Management Challenges in a Water-Scarce World, Portland, OR, 2017, October 19th-20th.
- Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., **Tsiboe, F.**, & Krutz, L. (2017). Individual Discounts Rates for Water-Saving Irrigation Technologies Using Contingent Valuation. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 30-August 1, 2017. Chicago, Illinois.
- Tsiboe, F.**, Luckstead, J. \*, Dixon, B., Nalley, L., & Popp, J. (2017). Labor Heterogeneity in Cocoa Production; Insights from Ghana. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting. February 4-7, 2017, Mobile, Alabama.
- Zereyesus, Y. A. \*, **Tsiboe, F.**, Amanor-Boadu, V., Ross, K., & Shanoyan, A. (2016). Experimental evidence of nutrition interventions in northern Ghana. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 31-August 2, 2016. Boston, Massachusetts.
- Tsiboe, F.**\*, Delwaide, A.-C., Nalley, L. L., Dixon, B. L., & Danforth, D. M. (2015). Ghanaian Consumers' Attitudes toward Cisgenic Rice: Are all GMO's the Same? Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting, Atlanta, Georgia. January 31-February 3, 2015.
- Tsiboe, F.**\*, Luckstead, J., Nalley, L., Dixon, B., & Popp, J. (2015). Potential Spillover Effects of Farmer Field Schools in Sub-Saharan Africa: The Case of Cocoa. Presented at the American Agricultural Economics Association meeting (AAEA) Annual Meeting. July 26-28, 2015. San Francisco, California.
- Mwaijande, F., **Tsiboe, F.**, Durand-Morat, A. \*, & Wailes, E. (2014). Constraints to Large Scale Adoption of GM Rice in Ghana and Tanzania. Presented at the 4th International Rice Congress. 28 - 31 October 2014. Bangkok, Thailand.
- Wailes, E., Durand-Morat, A. \*, Alam, M., Mwaijande, F., **Tsiboe, F.**, Zheng, Z., et al. (2014). Multi-Country Assessment of Barriers to Acceptance of GM Rice. Presented at the 4th International Rice Congress. 28 - 31 October 2014. Bangkok, Thailand