

Curriculum Vitae Francis Tsiboe

Contact Information

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Education

Ph.D. Agricultural Economics, Kansas State University, (In progress)

Major Advisor: Jesse Tack

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

Major Advisors: Lawton Lanier Nalley and Jeff Luckstead

BS. Agriculture, University of Ghana, 2007-2011

Major Advisor: Akwasi Mensah-Bonsu

Research Interest

Crop insurance, impact evaluation, production economics, plant genetics economics, nutrition and poverty, international development and agricultural policy, 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

Guest Lectures

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

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

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)

Research Performance

[Researchgate](#): Score – 16.60 (higher than 62.5% of members), Publication reads – 2,962, Citations – 20

[Google scholar](#): h-index – 3, Citations – 33

Publication rate: Since 2012 – 3/year, previous year (2017) – 9, current year (2018) – 2

Authorship: 11 first-authored published; 7 co-authored published; 1 sole-authored in review;
4 first-authored in review; 3 co-authored in review

Book Sections (1)

Wailes, 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.

Published Journal Articles (17)

Tsiboe, F., Zereyesus, Y. A., Popp, J. S., & Osei, E. (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). <http://afjare.org/volume-13-no-1/>

Tsiboe, F., Nalley, L. L., Dixon, B. L., Brye, K. R., Tack, J. B., Barkley, A., & Shew, A. (2018). Estimating Spatial Differences In Methane Emissions To Identify Sustainable Rice Sources. *Agronomy Journal*, 110 (2). <https://doi.org/10.2134/agronj2017.11.0637>

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 (2), 1–19. <https://doi.org/10.1017/aae.2016.46>

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. http://newmedit.iamb.it/edizioni_new_medit,229,229,2017,166.htm

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. <https://doi.org/10.2134/agronj2016.05.0281>

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. <https://doi.org/10.1016/j.foodcont.2017.05.047>

Tsiboe, F., Nalley, L., Durand-Morat, A., Thoma, G., & Shew, A. (2017). The Economic And Environmental Benefits Of Sheath Blight Resistance In Rice. *Journal of Agricultural and Resource Economics*, 42(2), 215–235. <https://ageconsearch.umn.edu/record/257999?ln=en>

Tsiboe, F., Nalley, L. L., Dixon, B. L., Danforth, D. M., Delwaide, A.-C., & Nayga, R. (2017). Ghanaian Consumers' Attitudes Toward Cisgenic Rice: Are All Genetically Modified Rice The Same? *Ghana Journal of Development Studies*, 14(1), 1–18. <http://dx.doi.org/10.4314/gjds.v14i1.1>

- 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). <https://doi.org/10.2134/agronj2017.03.0140>
- Tsiboe, F.**, Zereyesus, Y. A., Popp, J. S., & Osei, E. (2017). The Effect Of Women’s Empowerment In Agriculture On Household Nutrition And Food Poverty In Northern Ghana. *Social Indicators Research*. <https://doi.org/10.1007/s11205-017-1659-4>
- 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. <https://doi.org/10.1016/j.worlddev.2016.10.015>
- 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). <https://doi.org/10.1371/journal.pone.0167295>
- 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. <https://doi.org/10.1111/agec.12233>
- 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). <http://afjare.org/volume-11-no-3/>
- 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). <http://afjare.org/volume-11-no-3/>
- 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. <https://doi.org/10.1016/j.jrurstud.2016.07.027>
- Mensah-Bonsu, A., & **Tsiboe, F.** (2012). 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 Agricultural Science*, 45, 95–108.

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.

Papers under Peer Review (9)

- Djokoto, J. G., & **Tsiboe, F.** Meta-Technology Gaps In Farming- A Quantitative Review.
- Kovacs, K., Lee, J.-Y., Henry, C., Krutz, L. J., Nayga, R., & **Tsiboe, F.** Producer Discount Rates For Investment In Irrigation Practices.
- Luckstead, J., **Tsiboe, F.**, & Nalley, L. L. Estimating The Economic Incentives Necessary For Eliminating Child Labor In Ghanaian Cocoa Production.
- Tsiboe, F.** Trends In Crop Farmer And Production Characteristics In Ghana From 1991 To 2013, And Their Policy Implications.

Tsiboe, F., & Djokoto, J. G. Drivers, Trends, And Spatial Distribution Of Dry Bean And Groundnut Production Technical Inefficiency And Risk In Ghana.

Tsiboe, F., & Egyir, I. S. Technical Efficiency Effect Of Fertilizer Subsidy On Household Cereal Production In Ghana.

Tsiboe, F., Luckstead, J., Dixon, B. L., Nalley, L. L., & Popp, J. S. Analyze Labor Heterogeneity In Ghanaian Cocoa Production And Its Implications For Separability In Household Decisions And Policy Assessment.

Tsiboe, F., Luckstead, J., Nalley, L., Dixon, B., & Popp, J. Market Effects Of Farmer Field Schools In Sub-Saharan Africa: The Case For Cocoa.

Tsiboe, F., Mensah-Bonsu, A., & Owusu, V. Drivers And Spatial Distribution Of Cereal Production Technical Inefficiency And Risk In Ghana.

Honors and Awards

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

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

Service

Reviewer for; Agriculture Economics, and Social Indicators Research (SOCI)

Cross Cultural Mentor, University of Arkansas, Fayetteville AR, USA, February/2014 - Present

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.

Professional Memberships

Agricultural & Applied Economics Association (AAEA); African Association of Agricultural Economists (AAAE); Southern Agricultural Economics Association (SAEA).

Software Proficiency

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

Languages Proficiency: English, Akan, and Ga

Invited Presentations (3) (* 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.

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 (15) (* denotes presenter)

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.

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.*, 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.

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.

Nalley, L. L., **Tsiboe, F.**, Dixon, B. L., Brye, K. R., Tack, J. B., Barkley, A., & Shew, A.* (2016). Quantifying Spatial Differences in Methane Emissions from Rice Production. Presented at the American Agricultural Economics Association meeting (AAEA). 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). July 31-August 2, 2016. Boston, Massachusetts.

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). 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). July 31-August 2, 2016. Boston, Massachusetts.

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). 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). 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). 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

Unpublished Working Papers (4)

Tsiboe, F., & Egyir, I. S. Potential Welfare Implications of Reduced Subsidized Fertilizer Supply in Ghana's Fertilizer Subsidy Program.

Tsiboe, F., Nalley, L. L., & Bajrami, E. Economic Incentives Necessary for Adoption of Environmentally Friendly Cocoa Production in Ghana.

Tsiboe, F., Osei, E., & Asravor, J. Spatiotemporal Dynamics and Drivers of Vegetable Production Technical Inefficiency and Risk in Ghana.

Tsiboe, F., & Zereyesus, Y. A. Farm Household Labor Allocation and Its Implications for Productive Investments, Income, and Caloric Availability: Insights from Bangladesh.