

## Francis Tsiboe

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### I. Educational Background

Ph.D. Agricultural Economics, Kansas State University

MS. Agricultural Economics, University of Arkansas

BS. Agriculture (Agribusiness Major), University of Ghana

### II. Research Interest and Performance

My research focuses on applied microeconomics with applications to risk management and international development. - *I am open to exploring new research areas.*

- [Researchgate](#): Score – 692.5, Publication reads – 29,552, Citations – 880, Recommendations - 92
- [Google scholar](#): i10-index – 17, h-index – 14, Citations - 1132

### III. Professional Experience

Research Agricultural Economist, GS 13, Agricultural Policy and Models Branch, Market and Trade Economics Division, Economic Research Service, U.S. Department of Agriculture, Jan/2024 – present

Research Agricultural Economist, GS 12, Agricultural Policy and Models Branch, Market and Trade Economics Division, Economic Research Service, U.S. Department of Agriculture, Jun/2021 – Dec/2023

Graduate Research & Teaching Assistant, Department of Agricultural Economics, Kansas State University, Manhattan KS, USA, Aug/2017- May/2021

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 – Jul/2014.

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

Customer Service Associate, Duane Reade, Manhattan NY, USA, Jan/2013 – Aug/2013.

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

### IV. Publications

#### **IV.A. Official U.S. Government Publications (10)**

1. Office Of Management and Budget. 2025. U.S. Department of Agriculture: Federal Crop Insurance Program's Pasture, Rangeland, and Forage Insurance Plan. In Addressing the Impacts of Climate Change: Federal Budgetary Risks, Adaptation Planning, And the Climate Benefits of Federal Investments. [LINK](#)
2. Turner, D., K. Baldwin, J. Beckman, N.J. Nava, **F. Tsiboe**, and K. Vaiknoras. 2024. Potential budgetary impacts of climate change on the Pasture, Rangeland, and Forage insurance plan.

3. Baldwin, K., D. Turner, and **F. Tsiboe**. 2024. Recent Developments in Ad Hoc Assistance Programs for Agricultural Producers. EIB-278, U.S. Department of Agriculture, Economic Research Service.
4. Baldwin, K., B.R. Williams, D. Turner, **F. Tsiboe**, and S.R. Skorbiansky. 2024. U.S. agricultural policy review, 2023.
5. **Tsiboe, F.** 2024. 2022 Census of Agriculture: Crop and livestock insurance payouts per recipient were higher in the Great Plains and Mountain regions.” USDA, Economic Research Service Charts of Note. [LINK](#)
6. **Tsiboe, F.** 2024. 2022 Census of Agriculture: More cropland covered by crop insurance. USDA, Economic Research Service Charts of Note. [LINK](#)
7. Turner, D., **F. Tsiboe**, K. Baldwin, B. Williams, E. Dohlman, G. Astill, S. Raszap Skorbiansky, V. Abadam, A. Yeh, and R. Knight. 2023. Federal Programs for Agricultural Risk Management. EIB-259, U.S. Department of Agriculture, Economic Research Service. [LINK](#)
8. Turner, D., and **F. Tsiboe**. 2024. Pasture, Rangeland, and Forage Drive Increased Participation in Federal Crop Insurance Program. *Amber Waves - U.S. Department of Agriculture, Economic Research Service*: [LINK](#)
9. Baldwin, K., B. Williams, **F. Tsiboe**, A. Effland, D. Turner, B. Pratt, J. Jones, S. Toossi, and L. Hodges. 2023. U.S. Agricultural Policy Review, 2021. EIB-254, U.S. Department of Agriculture, Economic Research Service. [LINK](#)
10. Baldwin, K., B. Williams, C. Sichko, T. Francis, S. Toossi, J. Jones, D. Turner, and S. Raszap Skorbiansky. 2023. U.S. Agricultural Policy Review, 2022. EIB-260, U.S. Department of Agriculture, Economic Research Service. [LINK](#)

#### IV.B. Published Journal Articles (46)

1. **Tsiboe, F.**, D. Turner, K. Baldwin, B. Williams, M. Miller, and E. Dohlman. 2025. Risk Reduction Impacts of Crop Insurance in the United States. *Forthcoming in Applied Economic Perspectives and Policy*.
2. R. Armah, A. Tsiboe-Darko, Y.A. Zereyesus, **Tsiboe, F.**, and E. Osei. Income-Driven Dietary Shifts in Agrarian Households: Population-Based Evidence from Off-Farm Work in Ghana. *Forthcoming in Journal of the Agricultural and Applied Economics Association*.
3. **Tsiboe, F.**, D. Turner, and J. Yu. 2025. Utilizing Large-Scale Insurance Datasets to Calibrate Sub-County Level Crop Yields. *Journal of Risk and Insurance*, 92(1): 139-165. [LINK](#)
4. Hagerman, A.D., K.A. Schaefer, A.J.V. Leuven, **F. Tsiboe**, A.M. Young, and Y.A. Zereyesus. 2025. Mitigating Structural Inequities in U.S. Agricultural Risk Management. *Journal of Agricultural and Applied Economics*:1–28.
5. Turner, D., **F. Tsiboe**, H. Biram, and L. Connor. 2024. Actuarial implications of prevented planting coverage. *Applied Economic Perspectives and Policy*. [LINK](#)
6. Gaku, S., and **F. Tsiboe**. 2024. “Evaluation of alternative farm safety net program combination strategies.” *Agricultural Finance Review* ahead-of-print(ahead-of-print). [LINK](#)

7. **Tsiboe, F.**, P. Aseete, and F. Di. 2024. Off-farm employment and body mass index among agrarian women in sub-Saharan Africa. *Journal of the Agricultural and Applied Economics Association* 3(1):152–166. [LINK](#)
8. **Tsiboe, F.**, M. Appiah-Twumasi, T. Xia, and V. Amanor-Boadu. 2024. Consumption patterns of fresh and frozen chicken: A Ghanaian food policy perspective. *Agribusiness*. [LINK](#)
9. Asravor, J., **F. Tsiboe**, R.K. Asravor, A.N. Wiredu, and M. Zeller. 2024. Technology and managerial performance of farm operators by age in Ghana. *Journal of Productivity Analysis*. [LINK](#)
10. **Tsiboe, F.**, and D. Turner. 2023. The Crop Insurance Demand Response to Premium Subsidies: Evidence from U.S. Agriculture. *Food Policy* 119:102505. [LINK](#)
11. **Tsiboe, F.**, and D. Turner. 2023. Econometric identification of crop insurance participation. *Agricultural and Resource Economics Review* 52(3):476–797. [LINK](#)
12. **Tsiboe, F.**, J. Tack, and J. Yu. 2023. Farm-level evaluation of area- and agroclimatic-based index insurance. *Journal of the Agricultural and Applied Economics Association* 2(4):616–633. [LINK](#)
13. **Tsiboe, F.**, J.B. Tack, K. Coble, A. Harri, and J. Cooper. 2023. Simulating corn futures market reaction and prices under weekly yield forecasts. *Agricultural Finance Review* 83(4/5):655–674. [LINK](#)
14. **Tsiboe, F.**, R. Armah, Y.A. Zereyesus, and S.K. Annim. 2023. Food poverty assessment in Ghana: A closer look at the spatial and temporal dimensions of poverty. *Scientific African* 19:e01518. [LINK](#)
15. Ansah, I.G.K., M. Appiah-Twumasi, and **F. Tsiboe**. 2023. Starchy staples production shortfalls in Ghana: Technical inefficiency effects outweigh technological differences across ecologies. M. T. Sohail, ed. PLOS ONE 18(4):e0284780. [LINK](#)
16. **Tsiboe, F.** & Tack, J. (2022). Utilizing Topographic and Soil Features to Improve Rating for Farm-Level Insurance Products. *American Journal of Agricultural Economics*, 104 (1), 52-69. [LINK](#)
17. Turner, D. & **Tsiboe, F.** (2022). The crop insurance demand response to the Wildfire and Hurricane Indemnity Program Plus. *Applied Economic Perspectives and Policy*, 44 (3), 1273-1292. [LINK](#)
18. Nalley, L., Massey, J., Durand-Morat, A., Shew, A., Parajuli, R., & **Tsiboe, F.** (2022). Comparative Economic and Environmental Assessments of Furrow- and Flood-Irrigated Rice Production Systems. *Agricultural Water Management*, 274. [LINK](#)
19. **Tsiboe, F.**, Asravor, J., Owusu, V., & Mensah-Bonsu, A. (2022). Production technology, efficiency, and productivity of cereal farms: Prospects for enhancing farm performance in Ghana. *Agricultural and Resource Economics Review*, 1-31. [LINK](#)
20. Adaku, A.A., **Tsiboe, F.**, and Clottey, J. (2023). Taking Stock of Gender Gaps in Crop Production Technology Adoption and Technical Efficiency in Ghana. *Agrekon* 1–18
21. Peterson-Wilhelm, B., Nalley, L., Durand-Morat, A., Shew, A., **Tsiboe, F.** and Mulimbi, W. (2021). Quality Determinates Of Rice Price In Open Bag Markets In Sub-Saharan Africa. *Journal of Agribusiness in Developing and Emerging Economies*. [LINK](#)

22. **Tsiboe, F.**, Egyir, I. S., & Anaman, G (2021). Effect of Fertilizer Subsidy on Household Level Cereal Production in Ghana. *Scientific African*, 13. e00916 [LINK](#)
23. **Tsiboe, F.** (2021) Chronic Sources of Low Cocoa Production in Ghana: New Insights from Meta-Analysis of Old Survey Data. *Agricultural and Resource Economics Review*. [LINK](#)
24. **Tsiboe, F.**, Aseete, P., & Djokoto, J. G. (2021). Spatiotemporal Comparison of Dry Beans and Groundnut Production Technology and Inefficiency in Ghana. *Review of Agricultural and Applied Economics*, 24(1), 76–87. [LINK](#)
25. **Tsiboe, F.**, Asravor, J., & Osei, E. (2019). Vegetable Production Technical Efficiency and Technology Gaps in Ghana. *African Journal of Agricultural and Resource Economics*, 14 (4), 255-278. [LINK](#)
26. 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](#)
27. 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](#)
28. **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](#)
29. **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](#)
30. **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](#)
31. **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](#)
32. **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](#)
33. 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](#)
34. 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](#)

35. 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](#)
36. 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](#)
37. **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](#)
38. **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](#)
39. **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](#)
40. 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](#)
41. 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](#)
42. **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](#)
43. **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](#)
44. **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](#)
45. **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](#)
46. 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](#)

#### IV.C. Book Sections (1)

1. Wailes, E., Durand-Morat, A., Chavez, E., Alam, M., Mwaijande, F., Steur, H. De, **Tsiboe, F.** (2015). Identifying and analyzing 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](#)

#### IV.D. Informational and Technical Bulletins (1)

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](#)

#### IV.E. Working papers (13)

1. **Tsiboe, F.** Actuarial Impacts of Rating Revisions in United States Agricultural Insurance.
2. **Tsiboe, F.**, H. Biram, and A. Hagerman. Hidden Safety Net of Underutilized Supplemental Insurance in US Agriculture.
3. **Tsiboe, F.**, and E. Njuki. Effects of Agricultural Insurance on Farm Technology and Technical Efficiency.
4. **Tsiboe, F.**, and D. Turner. Buy-up Price Loss Coverage can Potentially Enhance the Resiliency of U.S. Producer.
5. **Tsiboe, F.**, D. Turner, S. Aglasan, and R.M. Rejesus. Regular Actuarial updates Minimizes Private to Public Risk Transfer Incentives in Agricultural Insurance.
6. Turner, D., **F. Tsiboe**, M. Bowman, and R.M. Rejesus. Crop insurance participation and cover crop use: Evidence from ARMS data.
7. **Tsiboe, F.** Actuarial Updates Reduces Taxpayer Obligations in the US Crop Insurance Program.
8. **Tsiboe, F.**, H. Shear, J. Tack, and J. Yu. The Queen of Forages - Alfalfa - Is Likely to Keep Its Roots in Northern and Mid-western United States as Temperatures Increase.
9. Asravor, J., M. Appiah-Twumasi, and **F. Tsiboe**. No evidence of the impact of farmer education on farm efficiency and agricultural productivity in Ghana.
10. Asravor, J., and **F. Tsiboe**. Charting the path to increased oil palm out in Ghana beyond area expansion: Technology or managerial capacity.
11. **Tsiboe, F.** Gendered Preferences in Household Energy Use and Response to Price Policy in Ghana.
12. **Tsiboe, F.**, A.A. Adaku, and C.O. Ofori-Bah. Market Integration and the Role of Transportation and Telecommunication Infrastructure: Insights for Agri-Food Value Chains Efficiency in Ghana.
13. **Tsiboe, F.**, E. Martey, and J. Asravor. Technology Gaps Drive Inequality in Production for Farmers with Disabilities.

#### IV.F. Non-refereed works (2)

1. **Tsiboe, F.** (2022). Nationally Representative Household Level Food Consumption and Nutrient Availability Data for Ghana from 2005-2017. [LINK](#)



2. **Tsiboe, F.** (2020). Nationally Representative Farm/Household Level Dataset on Crop Production in Ghana from 1987-2017. [LINK](#)

## **V. Presentations**

### **V.A. Official U.S. Government Briefings and Presentations (8)**

1. **F. Tsiboe**, 2025. “Portfolio Size, Growth, and Penetration of the Federal Crop Insurance Program.” Paper presented at session on “Crop Insurance: The Premier Farm Safety Net for Farmers and Ranchers” during the 101st Annual Agricultural Outlook Forum on February 27-28, 2025, Arlington, VA
2. Turner, D., K. Baldwin, J. Beckman, N.J. Nava, **F. Tsiboe**, and K. Vaiknoras. 2024. “Potential Budgetary Impacts of Climate Change on the Pasture, Rangeland, and Forage Insurance Plan”.
  - Briefing to the Under Secretary for Farm Production and Conservation, U.S. Department of Agriculture. December 2nd.
  - Briefing to the Risk Management Agency, U.S. Department of Agriculture, June 4th.
  - Briefing to the Office of Management and Budget, U.S. Department of Agriculture, June 3rd.
  - Briefing to the Farm Production and Conservation Business Center, U.S. Department of Agriculture, May 15.
  - Briefing to the Office of the Chief Economist, U.S. Department of Agriculture, May 17.
  - Briefing to the Office of the Administrator, USDA Economic Research Service, May 15.
3. Baquedano, F, B. Kenner, **F. Tsiboe**, and Y. Zereyesus, 2024. “Cocoa imports and the economics of cocoa” (Briefing 1249). briefing to the Antitrust Division, U.S. Department of Justice, May 17

### **V.B. Invited Paper Presentations (7)**

1. Tack, J, **F. Tsiboe**, and J. Yu 2024. “Heat Stress, Irrigation, and the Potential for Adaptation: The Case of Kansas Maize and Sorghum.” Paper presented at Department of Agricultural and Resource Economics, University of California, Davis, May 16.
2. Tack, J, **F. Tsiboe**, and J. Yu Quantifying Heat Stress for Sorghum and Maize using Large-scale Crop Yield Data from Kansas Farms. Invited Seminar. Kansas State Plant Pathology, 2023.
3. Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., **Tsiboe, F.**, & Krutz, L. (2017). Investment in irrigation efficiency and intertemporal time preferences. Invited Presentation, University of Florida, Gainesville, FL, 2017, November 2nd-3rd.
4. Kovacs, K. \*, Lee, J.-Y., Nayga, R., Henry, C., **Tsiboe, F.**, & Krutz, L. (2017). Investment in irrigation efficiency and intertemporal time preferences. Invited Presentation, University of Florida, Gainesville, FL, 2017, November 2nd-3rd.
5. 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.

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

#### **V.C. Refereed Professional Paper Presentations (26)**

1. **Tsiboe, F.**, Tack, J, and J. Yu 2024. “How Effective is Irrigation for Abating Warming Temperature Impacts on Crop Yields?” Tracked session paper presented at presentation at the AAEE Meeting, New Orleans, LA; July 28-30, 2024
2. Turner, D and **F. Tsiboe**, 2024. “Structural Estimation of Producer Risk Preferences Using FCIP Market Transactions” Tracked session paper presented at presentation at the AAEE Meeting, New Orleans, LA; July 28-30, 2024
3. **Tsiboe, F.** and D. Turner 2024. “Buy-up Price Loss Coverage can Potentially Enhance the Resiliency of U.S. Producers.” Paper presented at the SCC-76 2024 Annual Meeting, Kansas City, MO, April 3
4. Gaku, S, J. Ifft, R. Reid, and **F. Tsiboe**. 2023. “Historical Analysis of ARC, PLC, and SCO payouts for KS Producers.” Paper presented at the Annual Risk and Profit Conference, Manhattan, KS., August 17.
5. Turner, D, **F. Tsiboe**, M. Bowman, and R. Rejesus. 2023. “Effect of Crop insurance on Cover crop.” Tracked session paper presented at the AAEE Annual Meeting, Washington, D.C., July 24.
6. Hagerman, A. D., K. A. Schaefer, **F. Tsiboe**, A. Van Leuven, Y. Zereyesus, and A. Young. 2023. “Mitigating Structural Inequities in U.S. Agricultural Risk Management.” Paper presented at the AAEE Conference on Economics of Inequity in Agricultural, Food and Environmental Systems Minneapolis MI, May 24.
7. Young, A. M., A. D. Hagerman, A. Van Leuven, Y. Zereyesus, **F. Tsiboe**. 2023. “Factors Affecting Crop Insurance Use Among Underserved Farmers.” Paper presented at the SAEA Annual Meeting, Oklahoma City OK, February 4.
8. **Tsiboe, F.** and H. E. Shear. 2022. “Alfalfa Likely to Keep Roots in U.S. North and Mid-west as Temperatures Increase.” Paper presented at the SAEA Annual Meeting, New Orleans, LA, February 3.
9. Wilhelm-Peterson, B.\*, L. Nalley, A. Durand, A. Shew, **F. Tsiboe** and W. Mulimbi (2020). Rice quality preferences and value heterogeneity in Sub-Saharan Africa. Presented to the Food Distribution Research Society 2020 Annual Meeting. Presented virtually, October 13, 2020.
10. **Tsiboe, F\***, Jesse Tack. (2020). Utilizing Topographic and Soil Features to Improve Rating for Farm-level Insurance Products. Presented at the American Agricultural Economics Association (AAEA) Annual Meeting. Presented virtually, 26-28, 2020.



11. **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 (GAEE) Annual Meeting. July 23-26, 2019, Accra, Ghana.
12. **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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. **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.
20. **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.
21. **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.

22. **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.
23. 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.
24. 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.
25. **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.
26. 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.

#### **V.D. Refereed Professional Poster Presentations (14)**

1. Turner, D., **F. Tsiboe**, K. Baldwin, F. Dong. 2024. "The Role of Policy Uncertainty in Producer Risk Management Decisions". Poster presentation at the AAEA Meeting, New Orleans, LA; July 28-30, 2024
2. **Tsiboe, F.**, D. Turner, and J. Yu. 2023. "Utilizing Large-Scale Insurance Datasets to Calibrate Sub-County Level Crop Yields." Poster presented at the AAEA Annual Meeting, Washington, D.C., July 24.
3. Zereyesus, Y., **F. Tsiboe**, O. Evelyn, A. Ralph, T. Antoinette, and D. George. 2023. "Off-Farm Employment Opportunities Shifts Agrarian Household Diets Towards Healthier and Nutritious Foods." Poster presented at the AAEA Annual Meeting, Washington, D.C., July 25.
4. Ofori, E. \*, **Tsiboe, F.**, & Xia, T. (2020). Imported and Local Rice Substitutability in Ghana. Presented at the Southern Agricultural Economics Association (SAEA) Annual Meeting. February 1-4, 2020, Louisville, Kentucky.
5. **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.
6. 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.

7. 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.
8. 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.
9. **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.
10. 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.
11. **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.
12. **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.
13. 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.
14. Wailes, E., Durand-Morat, A. \*, Alam, M., Mwaijande, F., **Tsiboe, F.**, Zheng, 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

## VI. Selected Special Invitations and Assignments

### VI A. Selected Special Invitations

1. Congressional Budget Office (CBO) Crop Insurance Baseline Meeting. 2024. Collaborated with key personnel at CBO and the Risk Management Agency (RMA) to provide insights into the preliminary CBO projections on the FCIP.
2. Congressional Budget Office (CBO) Crop Insurance Baseline Meeting. 2022. Collaborated with key personnel at CBO and the Risk Management Agency (RMA) to provide insights into the preliminary CBO projections on the FCIP.
- 3.

## **VI B. Special Assignments**

1. ERS Farm Bill Group 2023. Responsible for discussions on Title I and IX, and the development of the "Recent Farm Bill-Related Research" webpage.

## **VI C. Other Official Activities**

1. ARMS Phase II Web Revisions - Crop Insurance. 2023 – Present. Responsible for assessing the reliability of ARMS Phase II Web Tool variables related to Crop Insurance.
2. ARMS Phase II Survey Development Working Group. 2022 – Present. Responsible for editing and reviewing commodity-specific crop insurance questions for the ARMS phase II survey.
3. ERS's response to proposals for updating the Office of Management and Budget's Race and Ethnicity Statistical Standards. 2023. Participated in initial discussion to formulate a response
4. Beta tester for ERS-Cloud Desktop. 2022.

## **VII. Teaching Experience**

AGEC 115: Decision Tools for Agricultural Economics & Agribusiness. – Fall 2020 @ Kansas State University.

**Role:** Instructor

**Class demographic:** Undergraduate students

**Content:** Development of foundational computer-based empirical skills that address economic and business issues in food and agriculture. Students learn how to model information on issues/problems using mathematical spreadsheets to find relevant answers for decision makers and stakeholders.

Math Camp: Introduction and Usage of STATA/ High-Performance Computing (HPC) – Fall 2020 @ KSU.

**Role:** Instructor

**Class demographic:** Graduate students

**Content:** Stata: Navigating Stata, Data import, Exploring data, Data visualization, Data management, and Basic statistical analysis. HPC: Navigating the HPC at KSU (Beoact), Running an R Job on Beoact, and Best practices

AGEC 5613: Econometrics I – Spring 2015 by Dr. Bruce Dixon @ University of Arkansas.

**Role:** Guest speaker

**Class demographic:** Graduate students

**Content:** Difference-in-Differences Estimation.

AGEC 2403: Quantitative Tools for Agribusiness – Spring 2014 by Dr. Qiuqiong Huang @ University of Arkansas.

**Role:** Guest speaker

**Class demographic:** Undergraduate students

**Content:** Describing Data.

AGEC 4163: Agricultural and Rural Development – Fall 2013/2014 by Dr. Lanier Nalley at University of Arkansas.

**Role:** Guest speaker

**Class demographics:** Undergraduate students

**Content:** Development In Ghana.

## **VIII. Leadership**

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

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

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

Functioned as student leader who educated new graduate students at 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.

#### **IX Honors and Awards**

- 2024 ERS Cash award for publications, \$3000.
- 2023 Best Paper Award in Applied Risk Analysis, Applied Risk Analysis section of Agricultural & Applied Economics Association (AAEA).
- 2023 Outstanding Published Research Award for Western Agricultural Economics Association (WAEA).
- 2023 ERS Cash award for publications, and data automation and documentation, \$1250.
- 2022 ERS Cash award for publications, \$1500.
- 2021 Outstanding Agricultural Economics PhD Dissertation, Kansas State University.
- 2020. Agricultural Economics, Kansas State University, International Development Scholarship, \$1000
- 2017 Outstanding Master's Thesis Award, Southern Agricultural Economics Association.
- 2015 Outstanding Agricultural Economics Master's Student, University of Arkansas.

#### **X. Professional Memberships**

- Agricultural & Applied Economics Association (AAEA). 2014-Present.
- Applied Risk Analysis Section, AAEA. 2017-Present.
- Agricultural Finance and Management Section, AAEA. 2017-Present.
- Agribusiness Economics and Management Section, AAEA. 2017-Present
- Specialty Crop Economics, AAEA. 2017-Present.
- Africa Section, AAEA. 2017-Present.
- International Section, AAEA. 2017-Present.
- Southern Agricultural Economics Association (SAEA). 2014-Present.

#### **XI. Service to Profession**

Reviewed manuscripts during 2015-2025.

- American Journal of Agricultural Economics.
- Agricultural Economics.
- World Development.
- Agribusiness.
- Food security.
- Journal of Agricultural and Resource Economics.
- Agricultural and Resource Economics Review.
- Journal of Agricultural and Applied Economics.
- AAEA Annual Meeting Abstract reviews.

#### **XII. Service to Society**

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

#### **XIII. Software Proficiency:**

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

#### **XIV. Languages Proficiency:**

English, Akan, and Ga