**Joseph Goeb**

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**EDUCATION**

**Michigan State University**, East Lansing, MI

Ph.D., Agricultural, Food, and Resource Economics May 2017

*Best Dissertation Award 2017*

*Carl K. Eicher Award Finalist 2018*

M.S., Agricultural, Food, and Resource Economics May 2011

**Hope College,** Holland, MI

B.A., Economics, *Minor in mathematics* May 2008

*C. Kendrick Gibson Faculty Recognition Award*

**EXPERIENCE**

**Michigan State University**

*Assistant Professor* | Aug 2021 – Present Lilongwe, Malawi; Yangon, Myanmar

*Research Associate |* Feb 2019 – Aug 2021

-Designed and led four panel phone surveys with agribusinesses in Myanmar to monitor the impacts of COVID-19 and the military coup on the agri-food system. Completed 25+ surveys. Synthesized results into 28+ policy notes, 6+ working papers, and 2+ peer-reviewed journal articles. Outputs have been shared widely within government and donor community and have been downloaded a combined 13,400+ times from the IFRPI online repository

-Built and presented an ad hoc Bt maize cost-benefit analysis tool

-Received funding, designed, and implemented an RCT of a fall armyworm extension program

*Research Assistant* | Aug 2012 – Dec 2015 & Aug 2008 – Feb 2010 East Lansing, MI

-Planned, led, and conducted every phase of the Pesticide Safety Research Project from winning grant funding and managing data collection and the research budget to analyzing the data, and writing the final research papers

-Responsible for data modeling, cleaning, and analysis of multiple large, national-level agricultural data sets (e.g., Living Standards Measurement Study data) for multiple agricultural policy projects

*Instructor (sole)* | Jan 2016 – May 2017 East Lansing, MI

-Sole instructor of Agribusiness Management 101: Decision-making in the agri-food system - an introductory economics class of 90 students

**Ford Motor Company**

*Economist/Analytics Scientist*, **|** June 2017 – Feb 2019 Dearborn, MI

-Led an international team to build capacity and deliver important electric vehicle demand estimation and price forecasting tools

-Supervised development of automated data downloading scripts, built automotive industry price and volume indices, and advised revisions to global market demand models

**United States Peace Corps**

*Lead Trainer/Agricultural Extension Agent* | Feb 2010 – May 2012 Mkushi, Zambia

-Led a 4-week field training of more than 4o volunteers and updated the training manual

-Managed a lead-farmer training program that reached more than 450 farmers with soil conservation and corn and soybean management information

**FELLOWSHIPS AND AWARDS**

*Carl K. Eicher Award Finalist,* IAAE August 2018

*Best Dissertation 2017*, MSU, AFRE March 2018

*Best Completed Research Presentation*, MSU, AFRE April 2017

*U.S. Borlaug Fellow in Global Food Security Grant* June 2014

*C. Kendrick Gibson Faculty Recognition Award*, Hope College May 2008

**PUBLICATIONS**

**Peer Reviewed**

Goeb, J., Maredia, M., Win, K. Z., Masias, I, Lambrecht, I., Boughton, D., & Minten, B. (2022). Urban food prices under lockdown: Evidence from Myanmar’s traditional food retail sector during COVID-19. Applied Economics, DOI: 10.1080/00036846.2022.2044999 .

Goeb, J., Zone, P.P., Synt, N.L.K., Zu, A.M., Tang, Y., & Minten, B. (2021). Processing margins, food prices, and shocks: Evidence from rice mills and COVID-19. Journal of Agricultural Economics, 00, 1– 18. <https://doi.org/10.1111/1477-9552.12461>

Goeb, J., & Lupi, F. (2021). Showing pesticides’ true colors: The effects of a farmer-to-farmer training program on pesticide knowledge*. Journal of Environmental Management, 279*, 111821.

Boughton, D., Goeb, J., Lambrecht, I., Headey, D., Takeshima, H., Marht, K., Masias, I., Goudet, S., Ragasa, C., Maredia, M., Minten, B., & Diao, X. (2021). Impacts of COVID-19 on agricultural production and food systems in late transforming Southeast Asia: The case of Myanmar. *Agricultural Systems. 188*, 103026

Goeb, J., Dillon, A., Lupi, F., & Tschirley, D. (2020). Pesticides: What you don’t know can hurt you. *Journal of the Association of Environmental and Resource Economists, 7*(5), 801-836.

Tschirley, D., Snyder, J., Dolislager, M., Reardon, T., Haggblade, S., Goeb, J., Traub, L., Ejobi, J., Meyer, F. (2015). Africa’s Unfolding Diet Transformation: Implications for Agrifood System Employment. *Journal of Agribusiness in Developing and Emerging Economies* 5(2): 102–136.

**In Review**

Boughton, D., Minten, B., Haggblade, S., Mahrt, K., Headey, D., Lambrecht, I., Goeb, J., Masias, I., Aung, N., & San, C.C. Double jeopardy: covid-19, coup d’etat and poverty in Myanmar. Revise and resubmit at *Applied Economics Perspectives and Policy*.

Minten, B., Goeb, J., Zone, P., & Win, K.Z. Agricultural value chains in a fragile state: The case of rice in Myanmar. Under review at *World Development*.

Goeb, J., Cairns Smart, J., Snyder, J., & Tschirley, D. Information, Pesticide Safety Behaviors, and Risk Perceptions: Evidence from Zambia and Mozambique. Revise and Resubmit at *Agrekon*.

Maredia, M, Goeb, J., & Ortega, D. Preferences for COVID-19 policy responses in the agri-food system: Evidence from best-worst scaling experiments in Myanmar. Revise and resubmit at *Journal of the Agricultural and Applied Economics Association*.

**In Progress**

Goeb, J. with Maredia, M, and Herrington, C. Agricultural extension under multiple crises in Myanmar: A randomized controlled trial of a fall armyworm information campaign. Finalizing data analysis.

**Policy & Research Notes**

Publications by topic: Rice millers – 12; Agricultural traders – 7; Input retailers – 7; Urban food retailers & others – 5

Total downloads: 13,400+ (12,000 in CY’21)

**Online Features**

Frontier Myanmar. (2021). “The economics behind Min Aung Hlaing’s grand delusions.” Retrieved from https://www.frontiermyanmar.net/en/the-economics-behind-min-aung-hlaings-grand-delusions/

Frontier Myanmar. (2021). ‘Monsoon rice crop in peril as farmers hit by coup turmoil’. Frontier Myanmar. Retrieved from <https://www.frontiermyanmar.net/en/monsoon-rice-crop-in-peril-as-farmers-hit-by-coup-turmoil/>

Goeb, J. (2020). ‘Small efforts can protect farmers from pesticides. Insights from Zambia’. *The Conversation*. Retrieved from <https://theconversation.com/small-efforts-can-protect-farmers-from-pesticides-insights-from-zambia-147027#comment_2423876>

Goeb, J., Maredia, M., and Boughton, D. (2020). ‘Anticipate, mitigate, monitor: A rapid research response for COVID-19 policy guidance in Myanmar’s agrifood system’. Michigan State University, Department of Agricultural, Food, and Resource Economics, Food Security Group. Retrieved from <https://www.canr.msu.edu/news/anticipate-mitigate-monitor-a-rapid-research-response-for-covid-19-policy-guidance-in-myanmar-s-agrifood-system>

Monahan, J. (2020). ‘New Pesticide Study Could Lead to Improvements in Farmer Health’. Michigan State University, Department of Agricultural, Food, and Resource Economics, Food Security Group. Retrieved from <https://www.canr.msu.edu/news/new-pesticide-study-could-lead-to-improvements-in-farmer-health>

**Working Papers, Book Chapters, and Other Publications**

Myanmar Agriculture Policy Support Activity (MAPSA). (2021). Myanmar's microfinance sector, agriculture, and COVID-19: Emerging insights and new challenges. Myanmar SSP Working Paper 13. Washington, DC: International Food Policy Research Institute (IFPRI). https://doi.org/10.2499/p15738coll2.134830

Goeb, J., Maredia, M. K., Win, K.Z., Masias, I., Lambrecht, I., Boughton, D., and Minten, B. (2021). Urban food prices under lockdown: Evidence from Myanmar’s traditional food retail sector during COVID-19. Myanmar SSP Working Paper 11. Washington, DC: International Food Policy Research Institute (IFPRI). https://doi.org/10.2499/p15738coll2.134418

Myanmar Agriculture Policy Support Activity (MAPSA). (2021). Myanmar's poverty and food insecurity crisis: Support to agriculture and food assistance is urgently needed to preserve a foundation for recovery. Myanmar SSP Working Paper 12. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134463>

Belton, B., Cho, A., Filipski, M.J., Goeb, J., Lambrecht, I. Mather, D., and Win, M.T. (2021). Opportunities and constraints for production and income growth in rural Myanmar: Inter-regional variations in the composition of agriculture, livelihoods, and the rural economy. Myanmar SSP Working Paper 7. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134259>

Minten, B., Boughton, D., & Goeb, J. (2021). The outlook for Myanmar’s inorganic fertilizer use and 2021 crop harvest: An ex ante assessment. Myanmar SSP Working Paper 10. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134368>

Goeb, J., Zone, P.P., Synt, N.L.K., Zu, A.M., Tang, Y., & Minten, B. (2021). Agro-processing, food prices, and COVID-19 shocks: Evidence from Myanmar’s rice mills. Myanmar SSP Working Paper 9. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134311>

MAPSA Researchers – IFPRI and MSU. (2020). Impacts of COVID-19 on Myanmar’s agri-food system: Evidence base and policy implications. Myanmar SSP Working Paper 4. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134042>

Goeb, J. (2017). Information, Knowledge, and Demand for Substitute Health Inputs: Experimental Evidence of Pesticide Use in Zambia. Michigan State University, Doctorate Dissertation. http://web2.msue.msu.edu/afreTheses/fulltext/Goeb\_Dissertation\_FINAL.pdf

Goeb, J. (2011). Impacts of Government Maize Supports on Smallholder Cotton Production in Zambia. Michigan State University, Master’s Thesis. http://web2.msue.msu.edu/afreTheses/fulltext/goeb\_ms.pdf

Goeb, J. (2013). Conservation Farming Adoption and Impact among First Year Adopters in Central Zambia. Indaba Agricultural Policy Research Institute (IAPRI) working paper 80. http://www.iapri.org.zm/images/WorkingPapers/wp80.pdf

Goeb, J., Cairns Smart, J., Snyder, J., & Tschirley, D. (2016). Information, Pesticide Safety Behaviors, and Perceived Pesticide Health Risks in Maputo. Agricultural Research Institute of Mozambique (IIAM). Special Horticultural Issue. Chapter 6. http://fsg.afre.msu.edu/Mozambique/survey/Special%20Issue%20Collection%20English%20Version.pdf

Snyder, J., Cairns Smart, J., Goeb, J., & Tschirley, D. (2015). Pesticide use in Sub-Saharan Africa: Estimates, Projections, and Implications in the Context of Food System Transformation. IIAM. http://ageconsearch.umn.edu/bitstream/230980/2/IIAM\_RP\_8E\_PesticideUse\_EN-11-26-2015.pdf.

Tschirley, D., Ayieko, M. W., Hichaambwa, M., Goeb, J., & Loescher, W. (2010). Modernizing Africa’s Fresh Produce Supply Chains without Rapid Supermarket Takeover: Towards a Definition of Research and Investment Priorities. Michigan State University International Development Working Paper. <https://ideas.repec.org/p/ags/midiwp/93030.html>

**PRESENTATIONS**

**Scholarly presentations and invited talks**

*Agricultural extension during COVID-19 and a coup: A fall armyworm information intervention in Myanmar*

January 25, 2022. Sustainability and Development Conference, University of Michigan

*Pesticide demand and information: Evidence from Zambia and Myanmar*

September 7, 2021. ASEAN Fall Armyworm Action Plan – Farmer Communication Workshop

Series, Pesticide Behaviour, Decision-making & Communication

*Processing margins, food prices, and shocks: Evidence from Myanmar’s rice mills and COVID-19*

August 19, 2021. International Conference of Agricultural Economists 2021 – COVID-19 Value Chain Disruptions and Food Prices in South Asia

April 29, 2021. MSU Department of Agricultural, Food, and Resource Economics Seminar

April 22, 2021. IFPRI SAR Brown Bag Seminar

*Pesticides: What you don’t know can hurt you*

August 2, 2017. Agricultural & Applied Economics Association Annual Meeting, Chicago, IL.

March 31, 2017. Agricultural, Food, and Resource Economics Graduate Research Symposium, Michigan State University. *Winner – Best Completed Research Presentation*

*Does toxicity and efficacy information alter pesticide choices? RCT evidence from smallholder tomato farmers in Zambia*

August 1, 2016. Agricultural & Applied Economics Association Annual Meeting, Boston, MA.

*Cotton, Maize, and the Unseen Competition for Zambia’s Best Smallholder Farmers*

September 7, 2009. Invited presentation at Hope College, Holland, MI.

**Stakeholder presentations**

*Agricultural value chains in a fragile state: The case of rice in Myanmar*

June 1, 2022. MSU AFRE Food Security Group Principal Investigators’ Meeting

*Phone Survey Experiences: Myanmar’s Agri-food System*

August 17, 2021. MIMU (Myanmar Information Management Unit) – Experience Sharing Session in use of Phone Surveys. Attendees: 37

*Update from Agri-food System Actors*

June 16, 2022. IFPRI Virtual Policy Seminar - Agriculture, food security, and welfare in Myanmar: New evidence from September 2021. Attendees: 40

October 14, 2021. IFPRI Virtual Policy Seminar - Agriculture, food security, and welfare in Myanmar: New evidence from September 2021. Attendees: 40

August 24, 2021. IFPRI Virtual Policy Seminar - Agriculture, food security, and welfare in Myanmar: New evidence from July 2021. Attendees: 42

May 7, 2021. IFPRI Virtual Policy Seminar - Agriculture, food security, and welfare in Myanmar: New evidence from May 2021. Attendees: 100

*COVID-19 and Myanmar’s Agri-food System: Upstream and Midstream Phone Surveys*

July 22, 2020. IFPRI Virtual Policy Seminar - How Have Myanmar’s Crop Value Chains Been

Changed By COVID-19?

August 5, 2020. MSU AFRE Food Security Group Principal Investigators’ Meeting

*COVID-19 Market Disruptions: Urban Food Retailers*

October 15, 2020. IFPRI Virtual Policy Seminar – The Pandemic’s Effects on Food Markets in Myanmar.

*Bt Maize Cost-Benefit Analysis*

February 28, 2020. Invited presentation at Plant Biotechnology Center, Yangon, Myanmar.

December 3, 2019. Myanmar National Workshop on Fall Armyworm, Naypyitaw, Myanmar.

October 3, 2019. Invited presentation to the Director General of the Department of Agricultural, Naypyitaw, Myanmar.

September 16, 2019. Invited presentation to USAID and USDA at the US Embassy, Yangon, Myanmar