

# Myat Thida Win

Doctoral Candidate  
Department of Agricultural, Food, and Resource Economics  
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## RESEARCH INTERESTS

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Agricultural Development, Rural Transformation, Technology Adoption, Seed System Development, Conflict-Affected and Fragile States, Labor Economics

## EDUCATION

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**Ph.D., Agricultural, Food, and Resource Economics** **Expected: May 2025**

Michigan State University, East Lansing, MI, USA

- Dissertation: *Resilience and Adaptation in Agriculture: Conflict, Agricultural Clusters, and Labor Dynamics*
- Major Field: International Development
- Committee: Mywish K. Maredia (chair), Songqing Jin, Zachariah Rutledge, Joesph Goeb, Guo Chen

**M.Sc., Agricultural, Food, and Resource Economics** **2019**

Michigan State University, East Lansing, MI, USA

- Thesis: *Assessing Farmers' Willingness to Pay for Quality Seeds Using Bidding Experiment Mechanism: Evidence from Myanmar*
- Major Field: International Development

**B.Sc., Economics/Business (Major 1) and Political Science (Major 2)** **2015**

Randolph-Macon College, Ashland, VA, USA

- Honors: Phi Beta Kappa, Magna Cum Laude

## PUBLICATIONS

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### Journal Articles (Peer-Reviewed)

1. **Win, M. T.**, Maredia, M. K., & Boughton, D. (2022). Farmer demand for certified legume seeds and the viability of farmer seed enterprises: Evidence from Myanmar. *Food Security*. [Link](#)
2. Takeshima, H., Masias, I., **Win, M. T.**, & Zone, P. P. (2022). Effects of COVID-19 restrictions on mechanization service providers and mechanization equipment retailers: Insights from phone surveys in Myanmar. *Review of Development Economics*. [Link](#)

3. Belton, B., **Win, M. T.**, Zhang, X., & Filipski, M. (2021). The rapid rise of agricultural mechanization in Myanmar. *Food Policy*, 101, 102095. [Link](#)

### **Book Chapters (Peer-Reviewed)**

1. **Win, M.T.**, Belton, B., & Zhang, X. (2020). Myanmar's Rapid Agricultural Mechanization: Demand and Supply Evidence. In X. Diao, H. Takeshima, & X. Zhang, *An evolving paradigm of agricultural mechanization development: How much can Africa learn from Asia?* Washington DC: International Food Policy Research Institute. [Link](#)
2. **Win, M.T.**, Belton, B., & Zhang, X. (2018). Myanmar's Rural Revolution: Mechanization and Structural Transformation. In J. Chambers, G. McCarthy, N. Farrelly, & C. Win, *Myanmar Transformed? People, Places and Politics*. Singapore: ISEAS-Yusof Ishak Institute.

### **Journal Articles Under Review**

1. **Myat Thida Win**, Mywish K. Maredia, and Songqing Jin. 2024. Conflict and Agricultural Performance: Evidence from Myanmar. *Food Policy*. [Job Market Paper](#)
2. **Myat Thida Win**, Zachariah Rutledge, and Mywish K. Maredia. 2024. Labor Shortages and Adaptation Strategies. *Applied Economic Perspective and Policy*. (Essay 3 of dissertation)
3. **Myat Thida Win**, Mywish K. Maredia, and David Ortega. Effects of Quality Signaling on Farmers' Valuation of Legume Seeds: Evidence from Myanmar. *Journal of the Agricultural and Applied Economics Association*.

### **Research in Progress**

1. **Myat Thida Win**, Xiaobo Zhang, Joseph Goeb, and Bart Minten. Agricultural Clusters, Conflict Shock, and Firm Performance: Evidence from Rice Mills in Myanmar. (Essay 2 of dissertation, Manuscript in preparation)
2. **Myat Thida Win**, Mywish K. Maredia, Sarah Kanee, and Nyein Soe Thwal. Impacts of Conflict on Agricultural Land Use: Evidence from Myanmar. (Manuscript in preparation)
3. Mywish K. Maredia, Duncan Boughton, Joseph Goeb, **Myat Thida Win**, and Salauddin Tauseef. Will Farmers Trade in Fire for Fertilizer? Evaluation of Regenerative No-burn Rice Stubble Management Technology in Myanmar. (Research design, treatment dissemination, and preparation of data collection instruments)
4. Maredia, Mywish K., Byron Reyes, David DeYoung, **Myat Thida Win**, and Lorena Gomez. Sustainability and Scalability of Seed System Models to Promote Quality

Legume Seeds: Evidence and Insights from Five Crop-Country Case Studies (*Manuscript in preparation*)

## Technical Reports and Policy Briefs

1. **Win, M.T.**, Maredia, M.K., Jin, S. (2024). *Conflict and Agricultural Performance: Evidence from Myanmar*. Washington DC: International Food Policy Research Institute. [Link](#)
2. Belton, B., Cho, A., Filipski, M., Goeb, J., Lambrecht, I., Mather, D., & **Win, M.T.** (2021). *Opportunities and constraints for production and income growth in rural Myanmar*. Washington DC: International Food Policy Research Institute. [Link](#)
3. Filipski, M., Belton, B., Hein, A., Myint Zu, A., Htoo, K., **Win, M.T.**, . . . Htun, K. (2021). *Myanmar Migration in a time of Transformation: 2011-2022*. Washington DC: International Food Policy Research Institute. [Link](#)
4. Boughton, D., Makhija, S., Maredia, M., Mather, D., Megill, D., Ortega, D.L., Payongayong, E., . . . **Win, M.T.** (2020). *Variety Adoption and Demand for Quality Seed in the Central Dry Zone of Myanmar*. East Lansing: Michigan State University. [Link](#)
5. Aung, N., Cho, A., Oo, T. Z., Synt, N. L., Ei Win, H., Zone, P. P., . . . Takeshima. (2020). *Impacts of COVID-19 on Myanmar's agri-food system: Evidence base and policy implications*. Washington DC: International Food Policy Research Institute. [Link](#)
6. Takeshima, H., Zone, P., **Win, M.T.**, & Masias, I. (2020). *Monitoring the Impact of Covid-19 in Myanmar: Mechanization Service Providers-December 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
7. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Agricultural equipment retailers-July 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
8. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Mechanization service providers-July 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
9. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Agricultural equipment retailers-June 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
10. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Mechanization service providers-June 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)

11. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Agricultural equipment retailers-May 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
12. Takeshima, H., **Win, M.T.**, & Masias, I. (2020). *Monitoring the impact of Covid-19 in Myanmar: Mechanization service providers-May 2020 survey round*. Washington DC: International Food Policy Research Institute. [Link](#)
13. Belton, B., & **Win, M.T.** (2019). *The Edible Oil Milling Sector in Myanmar's Dry Zone*. Michigan State University. East Lansing: Michigan State University. [Link](#)
14. Dorosh, P., **Win, M.T.**, & Asselt, V. J. (2019). *Production shocks, exports and market prices: An analysis of the rice sector in Myanmar*. Washington DC: International Food Policy Research Institute. [Link](#)
15. **Win, M.T.**, & Thinzar, A. (2016). *Agricultural Mechanization and Structural Transformation in Myanmar's Ayeyarwady Delta*. East Lansing: Michigan State University. [Link](#)
16. **Win, M.T.**, Thinzar, A., & Zu, A. (2016). *Supply Side Evidence of Myanmar's Growing Agricultural Mechanization Market*. East Lansing: Michigan State University. [Link](#)
17. Hein, A., Htoo, K., Kham, L., **Win, M.T.**, Thinzar, A.M., Naing, Z.M., . . . Boughton. (2016). *Rural Livelihoods in Mon State, Myanmar: Evidence from a Representative Household Survey*. East Lansing: Michigan State University. [Link](#)
18. Hein, A., Htoo, K., Kham, L., **Win, M.T.**, Thinzar, A.M., Naing, Z.M., . . . Boughton. (2016). *Revitalized Agriculture for Balanced Growth and Resilient Livelihoods: Toward a Rural Development Strategy for Mon State*. East Lansing: Michigan State University. [Link](#)

## **EMPLOYMENT**

**Michigan State University, East Lansing, USA**

**Aug 2020- Present**

**Graduate Research Assistant**

- Support *Feed the Future Myanmar Agriculture Policy Support Activity (MAPSA)*, led by the International Food Policy Research Institute (IFPRI) in partnership with Michigan State University

**Key Achievements:** conducted data cleaning and data analysis of 1 nationally representative household dataset and 10 agribusiness survey datasets using Stata and QGIS; co-authored 1 working paper and submitted 3 manuscripts to peer-reviewed journals

**Innovations for Poverty Action, Yangon, Myanmar**

**Jun 2019- Dec 2019**

**Research Coordinator**

- Led research projects to ensure good quality and data management
- Supervised the research staff and led the project and research training

- Oversaw financial and project management
- Managed the external and internal relationships with key stakeholders
- Supported the development of new projects

**Key Achievements:** led the implementation of 1 agri-business survey, 1 national-wide quasi-experiment to evaluate the National Community Driven Development Project (NCDDP), and 1 scoping project to evaluate the mini-grid energy access; organized and supported 2 capacity building trainings on Randomized Controlled Trials (RCT) for students, government staff, and local NGOs.

**Michigan State University, East Lansing, USA**

**Aug 2017- Jun 2019**

**Graduate Research Assistant**

- Supported the *Myanmar Food Security Policy Project (FSP)*, led by Michigan State University in partnership with the International Food Policy Research Institute (IFPRI) and Myanmar-Centre for Economic and Social Development

**Key Achievements:** designed and led the Becker-DeGroot-Marschak (BDM) bidding experiment and 1 cost of producing seed survey to assess farmers' willingness to pay for quality seeds; conducted the data analysis of the best-worst scaling (BWS) technique to understand the farmer perception of seed quality; co-authored 2 research reports and 1 peer-reviewed journal article

**Centre for Economic and Social Development (CESD), Yangon, Myanmar** **Mar 2015- Jul 2017**

**Research Associate**

- Co-led primary data collection of different rural livelihoods and agricultural value-chain studies in collaboration with Michigan State University (MSU) and the International Food Policy Research Institute (IFPRI)
- Supported the executive branch, Ministry of Agriculture, and regional governments using research-based evidence for the agricultural and rural economic policy reforms under the Thein Sein administration in Myanmar
- Contributed to the project management in work planning, external relations, and recruitment of research assistants

**Key achievements:** co-led the implementation of 3 household surveys, led 1 agri-business survey, co-authored 5 research reports, 1 peer-reviewed journal article, and 2 peer-reviewed book chapters; co-led 3 policy engagements and outreach with national and state-level governments and several capacity-building workshops and policy engagements with local governments

## **OTHER RESEARCH EXPERIENCE**

**International Food Policy Research Institute, Yangon, Myanmar**

**Jan 2020- Aug 2020**

**Consultant**

**Key Achievements:** designed 1 community questionnaire and 1 food environment questionnaire; co-led 7 phone surveys with agribusinesses to monitor the impacts of COVID-

19; co-authored 7 policy notes; led 1 capacity-building workshop on conducting phone survey with government officials

**International Food Policy Research Institute, Washington DC, USA      Jun 2023-Aug 2023**  
**Research Intern**

**Key Achievements:** Supervised by Dr. Xiaobo Zhang to prepare the manuscript for Agricultural Clusters, Conflict Shock, and Firm Performance: Evidence from Rice Mills in Myanmar. (*Essay 2 of dissertation*)

## **TEACHING AND TRAINING EXPERIENCE**

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**Quantitative Data Analysis with Stata** **2023**

Online

10-day training on survey data cleaning and analysis (6 Myanmar researchers)

**Training Workshop on Conducting Phone Survey** **2020**

Online

Intensive one-day training on research design and methodology to conduct phone survey (25 bureaucrats from the Myanmar-Ministry of Agriculture, Policy Unit)

### **Enumerator Training (Led or Co-led)**

**1. Online (A Series of Total 7 surveys)**

Study: Impacts of COVID-19 on Agricultural Machinery Dealers and Rental Service Providers (10 individuals/survey round)

**2. Kyaukse, Myanmar** **2018**

Study: Farmers' Willingness to Pay for Quality Seed Bidding Experiment and Survey (8 individuals)

**3. Kyaukse, Myanmar** **2018**

Study: Cost of Producing Seed Survey (3 individuals)

**4. Monywa, Myanmar** **2017**

Study: Dry Zone Farming System Survey (70 individuals)

**5. Yangon, Myanmar** **2016**

Study: Agricultural Machinery Dealer Survey (10 individuals)

**6. Twantay, Myanmar** **2016**

Study: Aqua-Agri Survey in Ayeyarwady Delta (60 individuals)

**7. Mawlamyine, Myanmar** **2015**

Study: Rural Livelihood Household Survey (80 individuals)

## **PRESENTATIONS**

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(\*\*presented by co-author)

### **Academic Presentations**

1. Conflict and Agricultural Performance: Evidence from Myanmar. (Aug 2024). *32<sup>nd</sup> International Conference of Agricultural Economists*, New Delhi, India.
2. Impacts of Conflict on Agricultural Land Use: Evidence from Myanmar. (Jul 2024). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, New Orleans, LA, USA.
3. Rice Mill Clusters and Resilience to Conflict Shock. (Jul 2024). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, New Orleans, LA, USA.
4. Conflict and Agricultural Performance: Evidence from Myanmar. (Sept 2023). *Michigan State University, Department of Agricultural, Food, and Resource Economics, Brownbag Seminar*, East Lansing, MI, USA.
5. Conflict and Agricultural Performance: Evidence from Myanmar". (Jul 2023). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Washington DC, USA.
6. Labor Shortages and Farmer Adaptation Strategies in California. (Jul 2023). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Washington DC, USA.
7. Smallholder Farmers' Willingness to Pay for Quality Legume Seeds: Implications for the Commercial Viability of Local Farm Seed Enterprises in Myanmar. (Jul 2022). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Anaheim, CA, USA.
8. Does Quality Signaling Play a Role in Willingness to Pay for Quality Legume Seeds? Evidence from Myanmar. (Jul 2022). *Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Anaheim, CA, USA.
9. Myanmar's Mechanization Revolution: Symptoms and Drivers of Structural Transformation. (Feb 2017). *Myanmar Update Conference*, Australia National University (ANU), Canberra, Australia.
10. Trade, Convergence and Economic Growth. (Aug 2014). *Randolph-Macon College Research Day*, Randolph-Macon College, Ashland, VA, United States.
11. Transition Towards Democracy in Burma/Myanmar. (Jan 2014). *Asian Studies on the Pacific Coast Conference*, Western Washington University. WA, United States.

## **Government, Stakeholder, and Outreach Presentations**

1. Myanmar's Mechanization Revolution: Symptoms and Drivers of Structural Transformation. (Jul 2017). *National Parliament*, Naypyidaw, Myanmar.
2. Myanmar's Mechanization Revolution: Symptoms and Drivers of Structural Transformation. (Jul 2017). *Ayeyarwady Regional Government Office*, Patheingyi, Myanmar.
3. Myanmar's Mechanization Revolution: Symptoms and Drivers of Structural Transformation. (Jun 2017). *Food Security Policy Project's Paper Launch*. Yangon, Myanmar.
4. \*\*Rural Transformation in Ayeyarwaddy & Yangon: Emerging Evidence\*\*. (Sept 2016). *DFID (Department for International Development, United Kingdom) Myanmar's Retreat on Structural Transformation and Migration*. Yangon, Myanmar.
5. \*\*Evidence-based Approach to Regional Development Strategy in Mon State. (Feb 2016). *UNOPS (United Nations Office for Project Services)*. Yangon, Myanmar.

## **AWARDS AND FELLOWSHIP**

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- Michigan State University, Department of Agricultural, Food, and Resource Economics, Travel Grant, 2024 (\$600)
- Michigan State University, College of Agriculture & Natural Resources, Travel Grant, 2024 (\$1,000)
- Phi Beta Kappa Honor Society, 2015
- Porter Hardy, Sr. Scholarship in Political Science, Randolph-Macon College, 2014
- Schapiro Undergraduate Research Fellowship (SURF) Recipient, Randolph-Macon College, 2014 (\$3,000)
- Randolph-Macon College, Travel Grant, 2014 (\$500)
- Porter Hardy, Jr. Scholarship in Political Science, Randolph-Macon College, 2013
- Phi Beta Kappa Sophomore Award for High Scholastic Achievement, Randolph-Macon College, 2012
- Phi Beta Kappa Freshman Award for High Scholastic Achievement, Randolph-Macon College, 2011
- Dean's Lists, 2011-2015 (All semesters at Randolph-Macon College)
- Presidential Scholarship Recipient, Randolph-Macon College, 2011-2015 (\$20,000/year)

## **SERVICES AND PROFESSIONAL DEVELOPMENT**

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**Referee Activities:** *Agricultural and Resource Economics Review*; *Applied Economics*; Abstract Reviewer for *Agricultural & Applied Economics Association (AAEA) Annual Meeting 2024*

### **Workshops Attended:**

- Benefit-Cost Analysis Short Course by Prof. Eric Crawford of Michigan State University. *Yezin Agricultural University*, Nay Pyi Taw, Myanmar. Nov 2016.
- The Third Summer School on New Structural Economics. *International Development Workshop* by National School of Development, Peking University, Beijing, China. Jul 2016.
- Leveraging Rice Sector Development for Poverty Reduction in the Greater Mekong Subregion. *Regional Rice Workshop by the World Bank*. Bangkok, Thailand. Nov 2015.

### **RESEARCH CITED IN MEDIA**

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Research on agricultural mechanization in Myanmar with Drs. Ben Belton and Xiaobo Zhang featured in the *Economist* “Myanmar’s countryside is emptying and its cities bursting.” July 13, 2019. [Link](#)

### **SKILLS**

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**Software and Tools:** Stata, ArcGIS, QGIS

**Languages:** Burmese (Native), English (Fluent)

### **REFERENCES**

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Dr. Mywish K. Maredia, Department of Agricultural, Food, and Resource Economics, Michigan State University. [maredia@msu.edu](mailto:maredia@msu.edu) (Advisor)

Dr. Songqing Jin, Department of Agricultural, Food, and Resource Economics, Michigan State University. [jins@msu.edu](mailto:jins@msu.edu) (Dissertation Committee Member)

Dr. Xiaobo Zhang, International Food Policy Research Institute. [x.zhang@cgiar.org](mailto:x.zhang@cgiar.org) (Mentor)

Dr. Joseph Goeb, Department of Agricultural, Food, and Resource Economics, Michigan State University. [goebjose@msu.edu](mailto:goebjose@msu.edu), (Dissertation Committee Member)

Dr. Zachariah Rutledge, Department of Agricultural, Food, and Resource Economics, Michigan State University. [rutled83@msu.edu](mailto:rutled83@msu.edu) (Dissertation Committee Member)