

## Nicole M. Mason

Justin S. Morrill Hall of Agriculture  
446 West Circle Drive, Room 301D  
Michigan State University  
East Lansing, MI 48824

Tel.: +1-517-432-4446  
Fax: +1-517-432-1800  
Email: [masonn@msu.edu](mailto:masonn@msu.edu)  
Skype: nicky\_mason

### **Research Interests**

Agricultural policy analysis with a focus on input and output subsidy programs and efforts to promote sustainable agricultural intensification in sub-Saharan Africa; the political economy of agricultural policies; agricultural technology adoption; and issues at the agriculture-environment-development nexus.

### **Education**

Ph.D. Agricultural Economics, Michigan State University, Aug. 2011  
M.S. Agricultural Economics, Michigan State University, Aug. 2008  
B.S. Biology, Allegheny College, May 2000

### **Academic Experience**

Associate Professor with tenure, Department of Agricultural, Food, and Resource Economics, Michigan State University, Jul. 2019-present

Assistant Professor (tenure system), Department of Agricultural, Food, and Resource Economics, Michigan State University, Aug. 2013-Jun. 2019

Assistant Professor (fixed term), International Development, Department of Agricultural, Food, and Resource Economics, Michigan State University, Aug. 2011-Aug. 2013. On long-term assignment in Lusaka, Zambia with the Indaba Agricultural Policy Research Institute (IAPRI).

- Capacity Building Coordinator, IAPRI, Jan. 2013-Aug. 2013
- Research Fellow, IAPRI, Aug. 2011-Aug. 2013

Visiting Lecturer, Department of Agricultural Economics and Extension Education, University of Zambia, Oct. 2011-Aug. 2013

Graduate Research Assistant, Department of Agricultural, Food, and Resource Economics, Michigan State University, Aug. 2005-Aug. 2011

### **Other Relevant Professional Experience**

Communications & Administrative Staff Associate, Partnership to Cut Hunger and Poverty in Africa, Washington, DC, Sep. 2004-Aug. 2005

Peace Corps Volunteer (environmental education and agroforestry), Dalein, Guinea, Jun. 2000-Jun. 2002

### **Awards and Fellowships**

Excellence in Teaching Award, Department of Agricultural, Food, and Resource Economics, MSU, 2019

Bruce Gardner Memorial Prize for Applied Policy Analysis (with J. Ariga, W. Burke, E. Crawford, T.S. Jayne, C. Jumbe, S. Liverpool-Tasie, D. Mather, S. Rashid, and J. Ricker-Gilbert for our work on “Farm Input Subsidy Programs in Sub-Saharan Africa”), Agricultural and Applied Economics Association, 2017

John H. Hudzik Emerging Leader in Advancing International Studies and Programs Award, Michigan State University (MSU), 2017

Excellence in Research Award, Department of Agricultural, Food, and Resource Economics, MSU, 2016

Fellow, Academy for Global Engagement, Center for Global Connections in Food, Agriculture, and Natural Resources, MSU, 2015

University Distinguished Fellow, MSU, 2005-2010

**Grants Awarded (Total Credited Amount to Date: \$2.89 million in external funding)**

*Externally-funded (\$31.65 million total obligated to date):*

1. “Feed the Future Innovation Lab for Food Security Policy Research, Capacity, and Influence” (May 15, 2019-May 14, 2024). Co-PI (with D. Tschirley (PI), T. Awokuse, W. Bauchspies, D. Boughton, E. Crawford, T.S. Jayne, S. Liverpool-Tasie, M. Maredia, J. Medendorp, T. Reardon, and V. Theriault). Sponsor: U.S. Agency for International Development (USAID). Project in progress. Award amount: \$11,000,000 expected; \$2,200,000 obligated to date. (Credited amount: \$660,000 expected; \$132,000 to date.)
2. “Food Security Policy Innovation Lab” (Jul. 15, 2013-Jan. 14, 2020), Co-PI (with M. Maredia (PI), D. Boughton, D. Tschirley, V. Theriault, O. Tasie, T. Reardon, M. Muyanga, D. Mather, S. Longabaugh, T.S. Jayne, S. Haggblade, and E. Crawford). Sponsor: USAID. Project in progress. Award amount: \$15,000,000 expected; \$13,900,000 obligated to date. (Credited amount: \$1,050,000 expected; \$973,000 to date.)
3. “Raising Crop Response: Bidirectional Learning to Catalyze Sustainable Intensification at Multiple Scales” (Oct. 1, 2015-Sep. 15, 2019), Co-PI (with S. Snapp (PI), H. Tindwa, K. Giller, J.C. Rubyogo, N. Kassim, T.S. Jayne, F. Baijukya, and M. Bekunda). Tanzania-focused project funded by the Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification (SIIL). Sponsor: Kansas State University. Prime: USAID. Project in progress. Award amount: \$996,764 expected; \$574,184 obligated to date. (Credited amount: \$239,223 expected; \$137,804 to date.)
4. “Food Security Policy Innovation Lab – Zambia Buy-In” (May 1, 2016-Apr. 30, 2019; no-cost extension to Jan. 14, 2020), PI May 2018-present (with M. Muyanga (co-lead PI), T.S. Jayne, and E. Crawford), Co-PI May 2016-Apr. 2018 (with T.S. Jayne (PI), N. Sitko, and E. Crawford). Sponsor: USAID Zambia Mission. Project in progress. Award amount: \$1,500,168 expected and obligated to date. (Credited amount: \$275,031 expected and obligated to date.)
5. “Measuring Farmer Response to the Speed of Agricultural Innovation: Experimental Evidence from Michigan” (Sep. 1, 2017-Mar. 31, 2020), PI and in collaboration with Ph.D. student S. Morgan. Sponsor: North Central Region Sustainable Agriculture Research & Education. Prime: U.S. Department of Agriculture (USDA) National Institute of Food and Agriculture. Project in progress. Award amount: \$11,979 expected and obligated to date. (Credited amount: \$11,979 expected and to date.)
6. “Measuring Farmer Participation and Compliance: Agri-Environmental Regulation in Michigan” (Jan. 1, 2016-Dec. 31, 2017), PI and in collaboration with Ph.D. student S. Morgan. Sponsor: Johns Hopkins University (Center for Behavioral and Experimental Agri-Environmental Research). Prime: USDA Economic Research Service (ERS). Project complete. Award amount: \$9,996. (Credited amount: \$9,996.)
7. “Tegemeo Agricultural Policy Research and Analysis Project II (TAPRA II)” (Jun. 1, 2012-Dec. 31, 2017), Co-PI (with M. Smale (PI), T.S. Jayne, M. Muyanga, and E. Crawford). Sponsor: Egerton University, Kenya. Prime: USAID Kenya Mission. Project complete. Award amount: \$1,997,916. (Credited amount: \$199,792.)
8. “Food Security Research Project - Phase III” (Oct. 21, 2010-Apr. 20, 2016), Co-PI (with T.S. Jayne (PI), N. Sitko, J. Chamberlin, and E. Crawford; in partnership with the Indaba Agricultural Policy Research Institute, Zambia). Sponsor: USAID Zambia Mission. Project complete. Award amount: \$11,444,812. (Credited amount: \$1,144,481.)
9. “Implementing the ERS Food Security Model” (Sep. 1, 2015- Jan. 30, 2016), PI and in collaboration with Ph.D. student S. Morgan. Cooperative agreement. Sponsor: USDA ERS. Project complete. Award amount: \$10,000. (Credited amount: \$10,000.)

*Internally-funded:*

1. “Improving the Enabling Environment for Fertilizer Markets in Africa: An Institutional Collaborative Approach to Value Chain Development” (May 1, 2017-Dec. 31, 2018), PI (with K. Kuhlmann, C. Jumbe, M. Wanzala-Mlobela, and J. Ariga). Sponsor: MSU through the Alliance for African Partnership. Project complete. Award amount: \$199,999. (Credited amount: \$22,860.)
2. “Rwanda Coffee Value Chain Policy Analysis” (Jul. 1, 2018-Jun. 30, 2019), Co-PI (with D. Clay (PI) and M.C. Lopez; in partnership with the University of Rwanda). Includes analyses of a fertilizer subsidy program for coffee and a coffee sector policy change. Sponsor: MSU through the Center for Advanced Study of International Development. Award amount: \$9,374 expected.

**Grants Proposals Submitted and in Preparation**

1. “Preliminary evaluation of ley-annual crop rotations in conjunction with site-specific soil data management for improvement of soil productivity and farm-level profitability for marginal arable lands of Niger.” Co-PI (with S. Snapp, E. Guertal, J. Herrick, V. Morrone, J. Neff, J. Shaw, and C. Wortmann). Sponsor: USAID through the SOILS Consortium. Concept note submitted Jun. 11, 2019. Amount requested: \$399,150 (Credited amount expected if awarded: \$105,104).
2. “The Partnership for Enabling Market Environments for Fertilizer in Africa (PEMEFA).” PI (with collaborators from the African Fertilizer and Agribusiness Partnership (M. Wanzala-Mlobela), the International Fertilizer Development Center (B. Diagana), the Regional Network of Agricultural Policy Research Institutes (C. Jumbe), and the New Markets Lab (K. Kuhlmann)). In preparation and in discussion with potential donors. Donor targets: Foundations.

**Journal Articles**

\* indicates peer-reviewed, underline indicates MSU advisee or research assistant († indicates graduate student at another university) at the time of research. First author is lead and corresponding author unless otherwise noted.

1. \*S. Morgan, **N. Mason**, and R. Shupp. “Comments, contributions, and compliance: Evidence from a public goods experiment.” *Journal of Economic Psychology*, in press.  
<https://doi.org/10.1016/j.joep.2019.102190>
2. \*J. Kim, **N. Mason**, S. Snapp, and F. Wu. “Does sustainable intensification of maize production enhance child nutrition? Evidence from rural Tanzania.” *Agricultural Economics*, in press.
3. \*S. Morgan, **N. Mason**, N.K. Levine, and O. Zulu-Mbata. 2019. “Dis-incentivizing sustainable intensification? The case of Zambia’s maize-fertilizer subsidy program.” *World Development* 122: 54-69.
4. \*C. Sauer, **N. Mason**, M. Maredia, and R. Mofya-Mukuka. 2018. “Does adopting legume-based cropping practices improve small-scale farm households’ food security? Panel survey evidence from Zambia.” *Food Security* 10 (6): 1463-1478.
5. \*T.S. Jayne, **N. Mason**, W.J. Burke, and J. Ariga. 2018. “Taking stock of Africa’s second-generation agricultural input subsidy programs.” *Food Policy* 75: 1-14. (Corresponding author: Burke)
6. \***N. Mason**, T.S. Jayne, and N. van de Walle. 2017. “The political economy of fertilizer subsidy programs in Africa: Evidence from Zambia.” *American Journal of Agricultural Economics* 99 (3): 705-731.
7. \*A. Wineman, **N. Mason**, J. Ochieng, and L. Kirimi. 2017. “Weather extremes and household welfare in rural Kenya.” *Food Security* 9 (2): 281-300.
8. \***N. Mason**, A. Wineman, L. Kirimi, and D. Mather. 2017. “The effects of Kenya’s ‘smarter’ input subsidy program on smallholder behavior and incomes: Do different quasi-experimental approaches lead to the same conclusion?” *Journal of Agricultural Economics* 68 (1): 45-69.
9. \***N. Mason**, T.S. Jayne, and B. Shiferaw. 2015. “Africa’s rising demand for wheat: Trends, drivers, and policy implications.” *Development Policy Review* 33 (5): 581-613.
10. T.S. Jayne, D. Mather, **N. Mason**, J. Ricker-Gilbert, and E. Crawford. 2015. “Rejoinder to the comment

- by Andrew Dorward and Ephraim Chirwa on ‘How do fertilizer subsidy programs affect total fertilizer use in sub-Saharan Africa? Crowding out, diversion, and benefit/cost assessments’.” *Agricultural Economics* 46 (6): 745-755.
11. \*H. Ngoma†, **N. Mason**, and N. Sitko. 2015. “Does minimum tillage with planting basins or ripping raise maize yields? Meso-panel data evidence from Zambia.” *Agriculture, Ecosystems & Environment* 212: 21-29.
  12. \***N. Mason**, T.S. Jayne, and R. Myers. 2015. “Smallholder supply response to marketing board activities in a dual channel marketing system: The case of Zambia.” *Journal of Agricultural Economics* 66 (1): 36-65.
  13. \*M. Smale and **N. Mason**. 2014. “Hybrid seed and the economic well-being of smallholder maize farmers in Zambia.” *Journal of Development Studies* 50 (5): 680-695.
  14. \*J. Ricker-Gilbert, **N. Mason**, F. Darko†, and S. Tembo. 2013. “What are the effects of input subsidy programs on maize prices? Evidence from Malawi and Zambia.” *Agricultural Economics* 44 (6): 671-686.
  15. \***N. Mason** and M. Smale. 2013. “Impacts of subsidized hybrid seed on indicators of economic well-being among smallholder maize growers in Zambia.” *Agricultural Economics* 44 (6): 659-670.
  16. \*T.S. Jayne, D. Mather, **N. Mason**, and J. Ricker-Gilbert. 2013. “How do fertilizer subsidy programs affect total fertilizer use in sub-Saharan Africa? Crowding out, diversion, and benefit/cost assessments.” *Agricultural Economics* 44 (6): 687-703.
  17. \***N. Mason**, T.S. Jayne, and R. Mofya-Mukuka. 2013. “Zambia’s input subsidy programs.” *Agricultural Economics* 44 (6): 613-628.
  18. \***N. Mason** and T.S. Jayne. 2013. “Fertiliser subsidies and smallholder commercial fertiliser purchases: Crowding out, leakage, and policy implications for Zambia.” *Journal of Agricultural Economics* 64 (3): 558-582.
  19. \***N. Mason** and J. Ricker-Gilbert. 2013. “Disrupting demand for commercial seed: Input subsidies in Malawi and Zambia.” *World Development* 45 (May): 75-91. (Senior authorship not assigned. Corresponding author: Ricker-Gilbert)
  20. \***N. Mason** and R. Myers. 2013. “The effects of the Food Reserve Agency on maize market prices in Zambia.” *Agricultural Economics* 44 (2): 203-216.
  21. \***N. Mason**, T.S. Jayne, A. Chapoto, and C. Donovan. 2011. “Putting the 2007/2008 global food crisis in longer-term perspective: Trends in staple food affordability in urban Zambia and Kenya.” *Food Policy* 36 (3): 350–367.
  22. \*Chapoto, T.S. Jayne, and **N. Mason**. 2011. “Widows' land security in the era of HIV/AIDS: Panel survey evidence from Zambia.” *Economic Development and Cultural Change* 59 (3): 511-547.
  23. \***N. Mason**, T.S. Jayne, A. Chapoto, and R. Myers. 2010. “A test of the new variant famine hypothesis: Panel survey evidence from Zambia.” *World Development* 38 (3): 356-368.

**Table 1. Journals in which I have published, journal impacts factors (JIFs), and other metrics**

Journals by subject area category <sup>a</sup>	5-year	JIF <sup>b</sup>	Rank within	Cited	Article	Acceptance
<i>Agricultural Economics &amp; Policy (Economics)</i>						
Food Policy	3.68	3.09	1/17 (26/347)	6.1	1.07	8%
Amer. J. of Agricultural Economics	2.21	1.83	2/17 (71/347)	>10.0	0.95	< 10%
Journal of Agricultural Economics	2.09	1.80	4/17 (76/347)	8.7	0.67	20%
Agricultural Economics	2.10	1.76	5/17 (80/347)	9.0	0.69	10%
<i>Planning &amp; Development (Economics)</i>						
World Development	3.35	2.85	5/55 (32/347)	>10.0	1.32	14%
Journal of Development Studies	1.52	1.13	31/55 (139/347)	9.6	0.65	12%
Econ. Development & Cultural Change	1.51	0.88	39/55 (185/347)	>10.0	1.30	9%
Development Policy Review	1.07	0.70	44/55	8.6	0.40	20%
<i>Agriculture - Multidisciplinary</i>						
Agric., Ecosystems & Environment	4.68	4.10	1/56	8.1	1.19	--
<i>Other Multidisciplinary</i>						
Food Security	2.72	2.27	N/A	4.0	0.75	20%

Sources: 5-year JIF through Article influence score values are from ISI Journal Citation Reports (2016). Acceptance rates are per Abdulai (personal communication, 2018), Bellemare (personal communication, 2018), Cabell's International (2015), Lusk (2017), McKenzie (2018), and Strange (personal communication, 2018).

Notes: Acceptance rate years vary from 2015 to 2017 based on availability. All other values in Table 1 are for 2016. -- Information not available. <sup>a</sup> Second category in parentheses where applicable. <sup>b</sup> JIFs vary widely across disciplines; for example, the average JIF in 2016 in Agricultural Economics & Policy was 1.21 whereas it was 3.17 in Medicine (General & Internal).

### **Papers Submitted to Journals**

Underline indicates MSU advisee at the time of research

1. W. Fung, S. Liverpool-Tasie, **N. Mason**, and R. Uwaifo-Oyelere (no senior authorship assigned). "Do crop purchase programs improve smallholder welfare? The case of Zambia's Food Reserve Agency." Revisions resubmitted (second round) to *Agricultural Economics*.
2. L. Steinhubel, A. Wenzel, P. Hulamani, S. von Cramon-Taubadel, and **N. Mason**. "Farmers' decision-making and pollination services: A spatial autoregressive analysis." Under review at *Agriculture, Ecosystems and Environment*.
3. Y. Kusunose, **N. Mason**, and S. Tembo. "Dis-investing from crop inputs as a poverty trap mechanism: Evidence from Zambia." Revisions resubmitted to the *Journal of African Economies*.
4. **N. Mason**, A. Wineman, and S. Tembo. "Reducing poverty by 'ignoring the experts'? Evidence on input subsidies in Zambia." Under review at *Food Security*.

### **Papers in Progress**

Underline indicates MSU advisee at the time of research

1. **N. Mason**, D. Resnick, V. Caputo, and A. Kuteya. "What farmers want: Mapping Zambian smallholders' agricultural policy preferences."
2. **N. Mason**, D. Tossou, K. Baylis, A. Kuteya, and H. Ngoma. "Do flexible e-voucher programs outperform traditional input subsidy programs? Quasi-experimental evidence from Zambia."
3. H. Ngoma, **N. Mason**, P. Hangoma, and P. Samboko. "Switching up climate-smart agriculture adoption: Do 'green' subsidies, insurance, risk aversion, and impatience matter?"

4. S. Morgan, **N. Mason**, and M. Maredia. “Do different extension approaches affect smallholder farmers’ willingness-to-pay for new agricultural technologies? Experimental auction results from Tanzania.”
5. J. Ricker-Gilbert and **N. Mason**. “What is driving farmland rental prices in sub-Saharan Africa? Evidence from Malawi.” (Includes analysis of the effects of Malawi’s Farm Input Subsidy Program on rental prices.)
6. J. Pelletier, H. Ngoma, **N. Mason**, M. Jagnani, and C.B. Barrett. “Do input subsidies to smallholder farmers reduce deforestation? Evidence from Zambia.”
7. J. Snyder, T.S. Jayne, **N. Mason**, and P. Samboko. “Spillover effects of district-level agricultural productivity on rural household incomes: Evidence from Zambia.”
8. M. Smale, V. Theriault, and **N. Mason**. “Subsidized fertilizer and the diet quality of farm women in Mali.”
9. J. Farris, M. Maredia, **N. Mason**, and D. Ortega. “Effectiveness of Lead-Farmer Extension in Tanzania: The Role of Personality and Physical Distance.”
10. **N. Mason**, S. Snapp, J.C. Rubyogo, J. Lwehabura, and C. Biedny. “Demonstration plots, seed trial packs, bidirectional learning, and modern input sales: Evidence from a field experiment in Tanzania.”
11. M. Maredia, **N. Mason**, R. Shupp, and V. Caputo. “How should government spend its budgetary resources for agricultural development? Best-worst scaling evidence from Nigeria and Zambia.”
12. S. Morgan, **N. Mason**, R. Shupp, and R. Myers. “Agricultural innovation and technology adoption: Incentives for delay reconsidered.”
13. D. Olson, **N. Mason**, J. Makau, and L. Kirimi. “Do changes in maize prices and input prices affect smallholder farmers’ soil fertility management decisions? Panel survey evidence from Kenya.”

### **Book Chapters**

- \*T.S. Jayne, N. Sitko, **N. Mason**, and D. Skole. 2018. “Input subsidy programs and climate smart agriculture: Current realities and potential.” In David Zilberman, Leslie Lipper, Nancy McCarthy, D. Zilberman, Solomon Asfaw, and Giacomo Branca, eds., *Climate Smart Agriculture: Building Resilience to Climate Change*. New York, NY: Springer.
- \***N. Mason** and M. Smale. 2017. “Impacts of subsidized hybrid seed on indicators of economic well-being among smallholder maize growers in Zambia.” In Machiko Nissanke and Muna Ndulo, eds. *Poverty Reduction in the Course of African Development*. New York, NY: Oxford University Press.
- N. Mason**, T.S. Jayne, C. Donovan, and A. Chapoto. 2011. “Are staple foods becoming more expensive for urban consumers in eastern and southern Africa? Trends in food prices, marketing margins, and wage rates in Kenya, Malawi, Mozambique, and Zambia.” In David R. Lee and Muna B. Ndulo, eds., *The Food and Financial Crises in Sub-Saharan Africa: Origins, Impacts and Policy Implications*. Cambridge, MA: CABI.

### **Selected Technical Reports** (complete list of working papers available on request)

- J. Ariga, S. Keating, K. Kuhlmann, **N. Mason**, and M. Wanzala-Mlobela (no senior authorship assigned). 2018. “Creating an enabling environment for private sector investment in fertilizer value chains in sub-Saharan Africa: Empirical evidence and knowledge gaps.” East Lansing, MI.  
<https://www.canr.msu.edu/resources/creating-an-enabling-environment-for-private-sector-investment-in-fertilizer-value-chains-in-sub-saharan-africa-empirical-evidence-and-knowledge-gaps>
- D. Resnick and **N. Mason**. 2016. “What drives input subsidy policy reform? The case of Zambia, 2002-2016.” Research Paper No. 28. Feed the Future Innovation Lab for Food Security Policy. East Lansing, MI.  
<http://ageconsearch.umn.edu/handle/246951>
- T.S. Jayne, **N. Mason**, W.J. Burke, and J. Ariga. 2015. “Agricultural input subsidy programs in Africa: An assessment of recent evidence.” Background paper prepared for the World Bank flagship report by A.

Goyal and J. Nash. 2017. *Reaping Richer Returns: Public Spending Priorities for African Agriculture Productivity Growth*. Washington, DC: The World Bank.

- N. **Mason**, W. Burke, A. Shipekesa, and T.S. Jayne. 2011. "The 2011 surplus in smallholder maize production in Zambia: drivers, beneficiaries, and implications for agricultural and poverty reduction policies." Working Paper No. 58. Food Security Research Project. Lusaka, Zambia. <http://www.aec.msu.edu/fs2/zambia/wp58.pdf>
- C. Nkonde, N. **Mason**, N. Sitko, and T.S. Jayne. 2011. "Who gained and who lost from Zambia's 2010 maize marketing policies?" Working Paper No. 49. Food Security Research Project. Lusaka, Zambia. <http://www.aec.msu.edu/fs2/zambia/wp49.pdf>
- N. **Mason** and T.S. Jayne. 2009. "Staple food consumption patterns in urban Zambia: Results from the 2007/2008 Urban Consumption Survey." Working Paper No. 42. Food Security Research Project. Lusaka, Zambia. <http://aec.msu.edu/fs2/zambia/wp42.pdf>

### **Policy Briefs and White Papers**

- T.S. Jayne, N. **Mason**, W. Burke, and J. Ariga. 2017. "Taking stock of Africa's second-generation agricultural input subsidy programs, 2000-2015." Policy Research Brief No. 34. Feed the Future Innovation Lab for Food Security Policy. East Lansing, MI. [http://foodsecuritypolicy.msu.edu/uploads/resources/Policy\\_Brief\\_34.pdf](http://foodsecuritypolicy.msu.edu/uploads/resources/Policy_Brief_34.pdf)
- D. Resnick, D. Mather, N. **Mason**, and D. Ndyetabula. 2017. "What drives agricultural input subsidy reform in Africa? Applying the Kaleidoscope Model of food security policy change." Policy Research Brief No. 27. Feed the Future Innovation Lab for Food Security Policy. East Lansing, MI. [http://foodsecuritypolicy.msu.edu/uploads/resources/Policy\\_Brief\\_27.pdf](http://foodsecuritypolicy.msu.edu/uploads/resources/Policy_Brief_27.pdf)
- T.S. Jayne, N. Sitko, N. **Mason**, and D. Skole. 2016. "Can input subsidy programs promote climate smart agriculture in Africa?" Policy Synthesis Number 93 for Cooperating USAID Offices and Country Missions. [http://fsg.afre.msu.edu/number\\_93.pdf](http://fsg.afre.msu.edu/number_93.pdf)
- A. Wineman, J. Ochieng, L. Kirimi, and N. **Mason**. 2015. "Let it rain: Weather extremes and household welfare in Kenya." Policy Brief No. 17. Tegemeo Institute of Agricultural Policy and Development. Nairobi, Kenya. [http://www.tegemeo.org/images/downloads/publications/policy\\_briefs/Policy\\_Brief17.pdf](http://www.tegemeo.org/images/downloads/publications/policy_briefs/Policy_Brief17.pdf)
- N. **Mason**, A. Wineman, L. Kirimi, and D. Mather. 2015. "The effects of Kenya's 'smarter' input subsidy program on crop production, incomes, and poverty." Policy Brief No. 11. Tegemeo Institute of Agricultural Policy and Development. Nairobi, Kenya. [http://www.tegemeo.org/images/downloads/publications/policy\\_briefs/Policy%20Brief%20No.%2011.pdf](http://www.tegemeo.org/images/downloads/publications/policy_briefs/Policy%20Brief%20No.%2011.pdf)
- N. **Mason** and S. Tembo. 2015. "Is the Farmer Input Support Program (FISP) reducing poverty among smallholder farm households in Zambia?" Policy Brief No. 71. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_71.pdf](http://fsg.afre.msu.edu/zambia/ps_71.pdf)
- A. Chapoto, B. Zulu, C. Kabaghe, N. Sitko, N. **Mason**, T.S. Jayne, et al. 2015. "White paper for the new Minister of Agriculture and Livestock: Opportunities and Challenges in Enhancing Agriculture in Zambia." Indaba Agricultural Policy Research Institute. Lusaka, Zambia.
- N. **Mason**, J. Chamberlin, C. Kabaghe, B. Zulu, and R. Mofya-Mukuka. 2014. "Fact sheet for the new Minister of Agriculture & Livestock on Zambia's Farmer Input Support Program." Indaba Agricultural Policy Research Institute. Lusaka, Zambia.
- N. **Mason**, J. Chamberlin, C. Kabaghe, B. Zulu, and R. Mofya-Mukuka. 2014. "Fact sheet for the new Minister of Agriculture & Livestock on Zambia's Food Reserve Agency." Indaba Agricultural Policy Research Institute. Lusaka, Zambia.
- R. Mofya-Mukuka, S. Kabwe, A. Kuteya, and N. **Mason**. 2013. "How can the Zambian government improve the targeting of the Farmer Input Support Program?" Policy Brief No. 59. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_59\\_rev.pdf](http://fsg.afre.msu.edu/zambia/ps_59_rev.pdf)



- N. **Mason** and T.S. Jayne. 2012. “Fertilizer subsidies and smallholder commercial fertilizer purchases: Crowding out, leakage, and policy implications for Zambia.” Policy Brief No. 58. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_58.pdf](http://fsg.afre.msu.edu/zambia/ps_58.pdf)
- N. **Mason**, T.S. Jayne, and R. Myers. 2012. “Zambian smallholder behavioral responses to Food Reserve Agency Activities.” Policy Brief No. 57. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_57.pdf](http://fsg.afre.msu.edu/zambia/ps_57.pdf)
- N. **Mason** and R. Myers. 2011. “The effects of the Food Reserve Agency on maize market prices in Zambia.” Policy Synthesis No. 50. Food Security Research Project. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_50.pdf](http://fsg.afre.msu.edu/zambia/ps_50.pdf)
- T.S. Jayne, N. **Mason**, W. Burke, A. Shipekesa, A. Chapoto, and C. Kabaghe. “Mountains of maize, persistent poverty.” 2011. Policy Synthesis No. 48. Food Security Research Project. Lusaka, Zambia. [http://fsg.afre.msu.edu/zambia/ps\\_48.pdf](http://fsg.afre.msu.edu/zambia/ps_48.pdf)
- N. **Mason** and T.S. Jayne. 2009. “Staple food consumption patterns in urban Zambia: Results from the 2007/2008 Urban Consumption Survey.” Policy Synthesis No. 36. Food Security Research Project. Lusaka, Zambia. <http://fsg.afre.msu.edu/zambia/ps36.pdf>
- N. **Mason**, A. Chapoto, T.S. Jayne, and R. Myers. 2007. “HIV/AIDS and agrarian livelihoods in Zambia: A test of the new variant famine hypothesis.” Policy Synthesis No. 23. Food Security Research Project. Lusaka, Zambia. <http://fsg.afre.msu.edu/zambia/ps23.pdf>
- A. Chapoto, T.S. Jayne, and N. **Mason**. 2007. “Security of widows’ access to land in the era of HIV/AIDS: Panel survey evidence from Zambia.” Policy Synthesis No. 22. Food Security Research Project. Lusaka, Zambia. <http://fsg.afre.msu.edu/zambia/ps22.pdf>

### **Popular Press Articles and Media Coverage**

- N. **Mason**, B. Diagana, C. Jumbe, K. Kuhlmann, and M. Wanzala-Mlobela. “Beyond fertilizer subsidies: How can African governments support private sector investment in fertilizer value chains?” *Fertilizer Focus*, May/June 2019 issue. Invited article. *Fertilizer Focus* is a magazine on the global fertilizer industry geared toward senior industry executives in over 90 countries.
- CNN article, “What Trump and African leaders should know about food security”, on Jul. 9, 2018, included a link to the 2013 special issue of *Agricultural Economics* (Vol. 44, Issue 6) on “Input Subsidy Programs in Sub-Saharan Africa”, which featured four journal articles for which I was the lead author or a co-author. <https://www.cnn.com/2018/07/09/opinions/global-food-security-act-africa-opportunity-mogues/index.html>
- Interviewed by Food Tank and our *Food Policy* article, “Taking stock of Africa’s second-generation agricultural input subsidy programs”, was highlighted in a Apr. 19, 2018 article on the Food Tank website entitled, “Rebuilding agricultural subsidies from the ground up.” <https://foodtank.com/news/2018/04/africa-agricultural-subsidies/>
- Interviewed by Liam Taylor of *The Economist* magazine on Apr. 5, 2017 about my work on fertilizer subsidy programs in Africa; he highlighted my research findings related to Zambia’s fertilizer subsidy program in his July 1, 2017 article in *The Economist* entitled, “Lost in the maize: Why fertiliser subsidies in Africa have not worked.” <https://www.economist.com/news/middle-east-and-africa/21724415-good-intentions-poor-results-why-fertiliser-subsidies-africa-have-not-worked>
- T.S. Jayne, N. **Mason**, W. Burke, A. Shipekesa, A. Chapoto, and C. Kabaghe. “Mountains of maize, persistent poverty.” *Zambia Analysis*. Lusaka, Zambia. Nov. 2011.



## **Presentations**

\* indicates presenter, underline indicates MSU advisee or research assistant († indicates graduate student at another university) at the time of research

1. \***N. Mason**, A. Kuteya, V. Caputo, and D. Resnick. “What farmers want: Mapping Zambian smallholders’ agricultural policy preferences.” Invited virtual seminar at the Indaba Agricultural Policy Research Institute. Lusaka, Zambia. May 7, 2019.
2. \***N. Mason**. “Soil health partnerships.” Invited panelist at the symposium, “From the Ground Up: Improving Soil Health in Africa through Partnership.” Michigan State University. E. Lansing, MI. Apr. 19, 2019.
3. \*J. Snyder, T.S. Jayne, **N. Mason**, and P. Samboko. “Agricultural productivity and rural household incomes: Micro-level evidence from Zambia.” Invited seminar at the Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Apr. 5, 2019.
4. \***N. Mason**. Launch of the Sustainable Opportunities to Improve Livelihoods with Soils (SOILS) Consortium. USAID. Invited panelist. Washington, DC. Mar. 15, 2019.
5. \*L. Steinhuebel†, A. Wenzel, S. von Cramon-Taubadel, and **N. Mason**. “The effect of agricultural management practices on pollinator abundance and richness: A spatial analysis.” Presentation at the Graduate Student Organization Brown Bag Seminar Series, Department of Agricultural, Food, and Resource Economics, Michigan State University. East Lansing, MI. Feb. 19, 2019.
6. \***N. Mason**, D.A. Tossou, K. Baylis, A. Kuteya, and H. Ngoma. “Does shifting from in-kind input distribution to a flexible e-voucher approach improve input subsidy program outcomes? Evidence from Zambia.” Invited presentation, Applied Microeconomics and Development Seminar. International Food Policy Research Institute. Washington, DC. Sep. 20, 2018.
7. \***N. Mason**, D. Resnick, V. Caputo, and A. Kuteya. “What farmers want: Mapping Zambian smallholders’ agricultural policy preferences.” Paper presented at the track session on “Recent developments in using choice experiments to elicit producer and consumer preferences in Africa.” Agricultural & Applied Economics Association annual meeting. Washington, DC. Aug. 7, 2018.
8. \*S. Morgan, **N. Mason**, and M. Maredia. “Do different extension approaches affect smallholder farmers’ willingness-to-pay for new agricultural technologies? Experimental auction results from Tanzania.” Selected paper presented at the Agricultural & Applied Economics Association’s annual meeting. Washington, DC. Aug. 7, 2018.
9. \*J. Kim, **N. Mason**, and S. Snapp. “Does sustainable intensification of maize production enhance child nutrition? Evidence from rural Tanzania.” Selected paper presented at the Agricultural & Applied Economics Association’s annual meeting. Washington, DC. Aug. 6, 2018.
10. \*S. Morgan, **N. Mason**, R. Shupp, and R. Myers. “Agricultural innovation and technology adoption: Incentives for delay reconsidered.” Selected paper presented at the Agricultural & Applied Economics Association’s annual meeting. Washington, DC. Aug. 6, 2018.
11. \*S. Morgan, **N. Mason**, K. Levine, and O. Zulu-Mbata. “Dis-incentivizing sustainable intensification? The case of Zambia’s fertilizer subsidy program.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Vancouver, Canada. Aug. 1, 2018.
12. \***N. Mason**, A. Kuteya, and H. Ngoma. “Recent innovations to Zambia’s Farmer Input Support Program and insights on short-run effects.” Presentation at the organized symposium on “Agricultural input subsidy programs in sub-Saharan Africa: Are recent program innovations improving program performance? Evidence from Malawi, Nigeria, and Zambia.” International Association of Agricultural Economists Triennial Conference. Vancouver, Canada. Jul. 30, 2018.
13. \*J. Kim, **N. Mason**, and S. Snapp. “Does sustainable intensification of maize production enhance child nutrition? Evidence from rural Tanzania.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Vancouver, Canada. Jul. 30, 2018.
14. \*S. Morgan, **N. Mason**, and R. Shupp. “Comments, contributions, and compliance: Evidence from a public goods experiment.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Vancouver, Canada, Jul. 29, 2018.
15. \***N. Mason**. “Updates on the Zambia FSP Buy-In and discussion on rural poverty traps.” Presentation for the USAID/Zambia Mission Director and staff. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Jun. 26, 2018.

16. \***N. Mason**. “Raising crop response: Bidirectional learning to catalyze sustainable intensification at multiple scales. Overview of project objectives 2 and 3.” Presentation to the Management Entity of the Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification, Michigan State University. East Lansing, MI. Jun. 6, 2018.
17. \***J. Ariga**, \***K. Kuhlmann**, and \***N. Mason** (no senior authorship assigned). “Understanding the enabling environment: How laws, regulations, and government programs support trade and agricultural development.” Invited seminar, Washington College of Law, American University. Washington, DC. Apr. 17, 2018.
18. \***J. Ariga**, \***K. Kuhlmann**, and \***N. Mason** (no senior authorship assigned). “Agricultural policy and regulation in sub-Saharan Africa: Lessons for increasing investment.” Eye on Africa seminar, African Studies Center, Michigan State University. East Lansing, MI. Apr. 5, 2018.
19. \***S. Morgan**, **N. Mason**, M. Maredia, and R. Shupp. “Do different extension approaches affect smallholder farmers’ willingness-to-pay for new agricultural technologies? Experimental auction results from Tanzania.” MSU AFRE Graduate Research Symposium. East Lansing, MI. Mar. 29, 2018. *Awarded best presentation in the Develop Economics session.*
20. \***N. Mason**, T.S. Jayne, W.J. Burke, and J. Ariga. “Taking stock of Africa’s second-generation input subsidy programs: Insights from 70+ empirical studies.” Invited seminar at the Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Feb. 27, 2018.
21. \***M. Wanzala-Mlobela** and \***N. Mason**. “Creating an enabling environment for private sector investment in fertilizer value chains in sub-Saharan Africa: Empirical evidence and knowledge gaps.” Invited presentation at the International Fertilizer Development Center workshop on Developing Private Sector Agro-Input Markets: Lessons Learned and Emerging Perspectives on Subsidy Programs. Jinja, Uganda. Feb. 22, 2018.
22. \***N. Mason**, T.S. Jayne, W.J. Burke, and J. Ariga. “Taking stock of Africa’s second-generation input subsidy programs: Insights from 70+ empirical studies.” Invited presentation at the International Fertilizer Development Center workshop on Developing Private Sector Agro-Input Markets: Lessons Learned and Emerging Perspectives on Subsidy Programs. Jinja, Uganda. Feb. 20, 2018.
23. \***C. Jumbe**, S. Kaiyatsa, and \***N. Mason**. “An overview of the Malawi and Zambia input subsidy programs.” Invited presentation at the International Fertilizer Development Center workshop on Developing Private Sector Agro-Input Markets: Lessons Learned and Emerging Perspectives on Subsidy Programs. Jinja, Uganda. Feb. 20, 2018.
24. \***S. Morgan**, **N. Mason**, and R. Shupp. “Stakeholder comments, contributions, and compliance: Evidence from a public goods experiment.” Selected presentation at the Conference on Behavioral & Experimental Agri-Environmental Research: Methodological Advancements & Applications to Policy (CBEAR-MAAP). Shepherdstown, WV. Oct. 14, 2017.
25. \***D. Olson**, **N. Mason**, J. Makau, and L. Kirimi. “Maize marketing boards and sustainable intensification: Panel survey evidence from Kenya.” Selected presentation at the Agricultural & Applied Economics Association’s annual meeting. Chicago, IL, Aug. 1, 2017.
26. \***J. Kim** and **N. Mason**. “What drives sustainable intensification of maize production among smallholder farmers? Panel survey evidence from Tanzania.” Selected presentation at the Agricultural & Applied Economics Association’s annual meeting. Chicago, IL, Aug. 1, 2017.
27. \***S. Morgan**, **N. Mason**, and R. Shupp. “Do stakeholder comments influence regulator behavior? Evidence from a public goods experiment.” Selected presentation at the Agricultural & Applied Economics Association’s annual meeting. Chicago, IL, Aug. 1, 2017.
28. \***S. Morgan**, **N. Mason**, and R. Shupp. “Do stakeholder comments reduce noncompliance? Evidence from a public goods experiment.” Selected presentation at the Association of Environmental and Resource Economists’ summer conference. Pittsburgh, PA. Jun. 2, 2017.
29. \***S. Morgan**, **N. Mason**, N.K. Levine, and O. Zulu-Mbata. “Incentivizing unsustainable intensification? Evidence from Zambia’s input subsidy program.” Selected presentation at the Midwest International Economic Development Conference. Madison, WI. Apr. 21, 2017.
30. \***S. Morgan**, **N. Mason**, and R. Shupp. “Do stakeholder comments increase regulatory compliance? Evidence from a public goods experiment.” Results dissemination workshop for Center for Behavioral and Experimental Agri-Environmental Research-funded project. East Lansing, MI. Apr. 11, 2017.

31. \*D. Olson, **N. Mason**, J. Makau, and L. Kirimi. “Maize marketing boards and sustainable intensification: Panel survey evidence from Kenya.” MSU AFRE Graduate Research Symposium. East Lansing, MI. Mar. 31, 2017. *Awarded best presentation in the Research-in-Progress category.*
32. \*D. Resnick, D. Mather, and **N. Mason**. “The Kaleidoscope Model of Food Security Reform: Introduction and applications to input subsidy policies.” Policy seminar on “What Drives Policy Change? Insights from the Kaleidoscope Model of Food Security Policy”, International Food Policy Research Institute. Washington, DC. Mar. 29, 2017.
33. \*S. Snapp, F. Baijukya, M. Bekunda, K. Giller, N. Kassim, T.S. Jayne, **N. Mason**, J. Odhiambo, J.C. Rubyogo, and H. Tindwa. “Raising crop response: Bidirectional learning to catalyze sustainable intensification at multiple scales.” Dar es Salaam, Tanzania. Presentation to USAID/Tanzania. Mar. 2, 2017.
34. \***N. Mason**, J. Kim, S. Morgan, and D. Olson. “What drives adoption of soil fertility management practices among smallholder maize growers? A conceptual model and literature review for sub-Saharan Africa.” Invited presentation at the “Indicators for the Sustainable Intensification of Agriculture” workshop, Michigan State University Center for Global Change & Earth Observation. East Lansing, MI. Dec. 14, 2016.
35. \*T.S. Jayne and **N. Mason**. “Agricultural input subsidy programs in Africa: A review of recent evidence.” Invited presentation at the Agricultural Input Distribution and Subsidy Program Conference, Alliance for a Green Revolution in Africa. Nairobi, Kenya. Dec. 1, 2016.
36. \*W. Fung, S. Liverpool-Tasie, **N. Mason**, R. Uwaifo-Oyelere. “Can crop purchase programs reduce poverty and improve welfare in rural communities? Evidence from the Food Reserve Agency in Zambia.” Selected presentation at the Southern Economic Association’s annual meeting. Washington, DC. Nov. 19, 2016.
37. K. Levine, **N. Mason**, \*S. Morgan, and O. Zulu-Mbata. “Do input subsidies crowd in or crowd out other soil fertility management practices? Panel survey evidence from Zambia.” Selected presentation at the 5<sup>th</sup> Conference of the African Association of Agricultural Economists. Addis Ababa, Ethiopia. Sep. 26, 2016.
38. \*T.S. Jayne and **N. Mason**. “Agricultural input subsidy programs in Asia and Africa: A review of recent evidence.” Invited presentation at the Kenya Markets Trust and Agri Experience Ltd. workshop on “Making Subsidies Work for Kenya”. Nairobi, Kenya. Sep. 1, 2016.
39. \***N. Mason**, S. Snapp, J.C. Rubyogo, and J. Lwehabura. “Mother demos, baby demos, or both? A test of alternative private sector-led extension approaches for sustainable intensification.” MSU East Africa Learning Lab meeting. East Lansing, MI. Aug. 8, 2016.
40. \*J. Ricker-Gilbert, **N. Mason**, and J. Chamberlin. “What is driving farmland rental prices in sub-Saharan Africa? Evidence from Malawi.” Selected presentation at the Agricultural and Applied Economics Association’s annual meeting. Boston, MA. Aug. 2, 2016.
41. \*S. Morgan, **N. Mason**, and R. Shupp. “Farmers as policymakers: Measuring regulatory participation and compliance in Michigan.” Selected presentation at the Agricultural and Applied Economics Association’s annual meeting. Boston, MA. Aug. 2, 2016.
42. C. Sauer, \***N. Mason**, and M. Maredia. “Exploring the role of legume crops in the agriculture-nutrition-food security nexus: Evidence from Zambia.” Selected presentation at the Agricultural and Applied Economics Association’s annual meeting. Boston, MA. Aug. 2, 2016.
43. \***N. Mason**. Discussant remarks on the papers presented at the track session on “Food Demand and Nutrition Issues in sub-Saharan Africa”. Agricultural and Applied Economics Association’s annual meeting. Boston, MA. Aug. 1, 2016.
44. K. Levine, \***N. Mason**, S. Morgan, and O. Zulu-Mbata. “Incentivizing unsustainable intensification? The case of Zambia’s fertilizer subsidy program.” Invited seminar at Allegheny College, Meadville, PA. Apr. 21, 2106.
45. \***N. Mason**, T.S. Jayne, and N. van de Walle. “The political economy of agricultural input subsidy programs in Africa: The case of Zambia.” Invited seminar at the Institute for African Development, Cornell University, Ithaca, NY. Mar. 24, 2016.

46. J. Ricker-Gilbert, \***N. Mason**, and J. Chamberlin. “What is driving farmland rental prices in sub-Saharan Africa? Evidence from Malawi.” Selected presentation at the 2016 World Bank Conference on Land and Poverty. World Bank Headquarters, Washington, DC. March 15, 2016.
47. C. Sauer, \*M. Maredia, and **N. Mason**. “Legume technologies and agricultural productivity: Evidence from Zambia.” Selected presentation at the Pan-African Grain Legume and World Cowpea Conference. AVANI Victoria Falls Resort and Conference Center, Livingstone, Zambia. Mar. 2, 2016.
48. \***N. Mason**, S. Snapp, H. Tindwa, K. Giller, J.C. Rubyogo, N. Kassim, T.S. Jayne, F. Baijukya, and M. Bekunda. “Raising crop response: Bidirectional learning to catalyze sustainable intensification at multiple scales.” Invited presentation at the Annual Meeting of the Feed the Future Innovation Lab for Sustainable Intensification, Kansas State University, Manhattan, KS. Jan. 28, 2016.
49. \***N. Mason**. “Interdisciplinary research opportunities at the food-energy-water nexus: Perspectives on the food dimension from an agricultural development economist.” Invited presentation at the Interdisciplinary Research Forum on the Food-Energy-Water Nexus. Office of the Vice President for Research and Graduate Studies, Michigan State University, East Lansing, MI. Jan. 14, 2016.
50. \***N. Mason**. “New international partnerships for research on sustainable agricultural intensification and the political economy of agricultural policies: An Academy for Global Engagement year in review.” Invited presentation at the Academy for Global Engagement Global Innovation Forum. Michigan State University, East Lansing, MI. Dec. 4, 2015.
51. **N. Mason**, A. Wineman, \*L. Kirimi, and D. Mather. “Effects of the National Accelerated Agricultural Inputs Access Program (NAAIAP) on smallholder production and incomes.” Invited presentation at the Tegemeo National Policy Conference. Kenya School of Monetary Studies, Nairobi, Kenya. Nov. 10, 2015.
52. \*J. Ochieng, \*A. Wineman, L. Kirimi, M. Mathenge, and **N. Mason**. “Effects of climate variability and change on agricultural production and household welfare in Kenya.” Invited presentation at the Tegemeo National Policy Conference. Kenya School of Monetary Studies, Nairobi, Kenya. Nov. 10, 2015.
53. \*T.S. Jayne, **N. Mason**, \*W. Burke, and J. Ariga. “Agricultural input subsidy programs in Africa: An assessment of recent evidence.” Invited presentation at the World Bank workshop on Options for Improving Agricultural Public Expenditures in Africa. World Bank Headquarters, Washington, DC. Sep. 22, 2015.
54. \***N. Mason** and S. Tembo. “Do input subsidies reduce poverty among smallholder farm households? Evidence from Zambia.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Milan, Italy, Aug. 14, 2015.
55. \*H. Ngoma†, **N. Mason**, and N. Sitko. “Does minimum tillage with planting basins or ripping raise maize yields? Meso-panel data evidence from Zambia.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Milan, Italy, Aug. 14, 2015.
56. W. Fung, \*S. Liverpool-Tasie, \***N. Mason**, and R. Uwaifo-Oyelere. (Senior authorship not assigned.) “Can crop purchase programs reduce poverty and improve welfare in rural communities? Evidence from the Food Reserve Agency in Zambia.” Selected presentation at the International Association of Agricultural Economists Triennial Conference. Milan, Italy, Aug. 11, 2015.
57. \***N. Mason**. Invited discussant and closing remarks at the symposium on “Using ‘smart subsidies’ to support small scale farmers in Africa”, organized by the African Association of Agricultural Economists. International Association of Agricultural Economists Triennial Conference. Milan, Italy, Aug. 11, 2015.
58. \***N. Mason**, A. Wineman, L. Kirimi, and D. Mather. “The effects of Kenya’s ‘smarter’ input subsidy program on smallholder behavior and incomes: Do different quasi-experimental approaches lead to the same conclusions?” Selected presentation at the Agricultural and Applied Economics Association’s annual meeting. San Francisco, CA. Jul. 28, 2015.
59. \*Y. Kusunose, S. Tembo, **N. Mason**, and M. Smale. “Do crop income shocks widen disparities in smallholder agricultural investments? Panel survey evidence from Zambia.” Selected paper presented at the Agricultural and Applied Economics Association’s annual meeting. San Francisco, CA. Jul. 28, 2015.

60. \***N. Mason**. “Beyond fertilizer subsidies: Unpacking African smallholder farmers’ preferences for agricultural support.” Presentation at the Academy for Global Engagement Campus Convening. Michigan State University, East Lansing, MI. Jun. 4, 2015.
61. \***B. Mulenga**, **H. Ngoma†**, **T.S. Jayne**, **N. Sitko**, and **N. Mason**. “The paradox of minimal use of minimum tillage despite positive yield benefits in Zambia: Evidence from district-representative data.” Selected paper presented at the Beating Famine Conference. Bingu International Conference Center, Lilongwe, Malawi. Apr. 15, 2015.
62. \***R. Mofya-Mukuka** and **N. Mason**. “The Farmer Input Support Programme, Electronic Vouchers, and Related Issues.” Invited presentation at the Agricultural Sector Stakeholders Consultative Meeting. Government Complex, Lusaka, Zambia. Mar. 18, 2015.
63. \***N. Mason**, **T.S. Jayne**, and **N. van de Walle**. “Political economy dimensions of input subsidy programs: Fertilizer subsidies and election outcomes in Zambia.” Invited seminar, Division of Development Strategy and Governance, International Food Policy Research Institute. Washington, DC. Jan. 14, 2015.
64. \***W. Fung**, **S. Liverpool-Tasie**, **N. Mason**, and **R. Uwaifo-Oyelere**. “Can crop purchase programs reduce poverty and improve welfare in rural communities? Evidence from the Food Reserve Agency in Zambia.” Selected paper presented at the Economics of Global Poverty Conference. Gordon College, Wenham, MA. Jan. 6, 2015.
65. \***N. Mason**. “The scoop on fertilizer subsidies.” Invited ‘AgTalk’ on fertilizer subsidy programs in sub-Saharan Africa, modeled on the ‘TED Talks’ format. International Fund for Agricultural Development. Rome, Italy. Dec. 11, 2014. [http://www.ifad.org/events/agtalks/prog\\_2.pdf](http://www.ifad.org/events/agtalks/prog_2.pdf). YouTube video: <https://youtu.be/oMf7-0TR6xA>. 905 views as of 2/21/19.
66. \***N. Mason**. “Subsidizing the way to a Green Revolution and less rural poverty in Africa? The effects of Zambia’s input subsidy program on smallholder behavior and economy well-being.” Invited presentation at the Graduate Program Orientation, Department of Agricultural, Food, and Resource Economics. Michigan State University, East Lansing, MI. Aug. 25, 2014.
67. \***N. Mason** and \***S. Tembo**. “Do input subsidies reduce poverty among smallholder farm households? Evidence from Zambia.” Selected paper presented at the Agricultural and Applied Economics Association’s annual meeting. Minneapolis, MN. Jul. 29, 2014.
68. \***N.K. Levine** and **N. Mason**. “Do input subsidies crowd in or crowd out other soil fertility management practices? Evidence from Zambia.” Selected paper presented at the Agricultural and Applied Economics Association’s annual meeting. Minneapolis, MN. Jul. 29, 2014.
69. \***M. Lubungu**, **N. Mason**, and **R. Mofya-Mukuka**. “Utilization of animal draft power in Zambia: Drivers and effects on household income and commercialization.” Presentation at the Graduate Student Organization Brown Bag Seminar Series, Department of Agricultural, Food, and Resource Economics, Michigan State University. East Lansing, MI. Apr. 16, 2014.
70. **T.S. Jayne**, **D. Mather**, \***N. Mason**, and **J. Ricker-Gilbert**. “How do fertilizer subsidy programs affect total fertilizer use in sub-Saharan Africa? Crowding out, diversion, and benefit/cost assessments.” Selected paper presented at the Centre for the Study of African Economies Conference on Economic Development in Africa. University of Oxford. Oxford, UK. Mar. 24, 2014.
71. \***N. Mason**, **T.S. Jayne**, and **R. Mofya-Mukuka**. “Agricultural input subsidy programs in theory and in practice: The case of Zambia.” Invited presentation for the Michigan State University African Studies Center Eye on Africa seminar series. East Lansing, MI. Oct. 31, 2013.
72. **N. Mason** and \***M. Smale**. “Impacts of seed subsidies on poverty and inequality among smallholder maize growers in Zambia.” Invited presentation at the Laboratoire d’Economie Appliquée, University of Grenoble. Grenoble, France. Oct. 4, 2013.
73. \***J. Ricker-Gilbert**, **N. Mason**, **F. Darko†**, and **S. Tembo**. “What are the effects of input subsidy programs on maize prices? Evidence from Malawi and Zambia.” Selected paper presented at the 4<sup>th</sup> International Conference of the African Association of Agricultural Economists. Hammamet, Tunisia. Sep. 25, 2013.
74. \***N. Mason**, **T.S. Jayne**, and **N. van de Walle**. “Fertilizer subsidies and voting behavior: Political economy dimensions of input subsidy programs.” Selected paper presented at the 4<sup>th</sup> International Conference of the African Association of Agricultural Economists. Hammamet, Tunisia. Sep. 23, 2013.

75. J. Ricker-Gilbert, \***N. Mason**, F. Darko†, and S. Tembo. “What are the effects of input subsidy programs on maize prices? Evidence from Malawi and Zambia.” Selected paper presented at the Agricultural and Applied Economics Association’s annual meeting. Washington, DC. Aug. 5, 2013.
76. \***N. Mason**, T.S. Jayne, and N. van de Walle. “Fertilizer subsidies and voting behavior: Political economy dimensions of input subsidy programs.” Selected paper presented at the Agricultural and Applied Economics Association’s annual meeting. Washington, DC. Aug. 5, 2013.
77. \***N. Mason** and M. Smale. “Impacts of seed subsidies on poverty and inequality among smallholder maize growers in Zambia.” Selected presentation at the Agricultural and Applied Economics Association’s annual meeting. Washington, DC. Aug. 4, 2013.
78. \***N. Mason** and M. Smale. “Impacts of seed subsidies on poverty and inequality among smallholder maize growers in Zambia.” Selected paper presented at the Cornell University/Institute for African Development Spring Symposium on Growth, Poverty, and Inequality: Confronting the Challenges for a Better Life for All in Africa. Ithaca, NY. Apr. 20, 2013.
79. \*T.S. Jayne, D. Mather, **N. Mason**, and J. Ricker-Gilbert. “How do fertilizer subsidy programs affect total fertilizer use in sub-Saharan Africa? Crowding out, diversion, and benefit/cost assessments.” Presentation at the IFPRI/MSU workshop on Input Subsidy Programs in sub-Saharan Africa. Washington, DC. Apr. 17, 2013.
80. **N. Mason** and \*M. Smale. “Impacts of seed subsidies on poverty and inequality among smallholder maize growers in Zambia.” Presentation at the IFPRI/MSU workshop on Input Subsidy Programs in sub-Saharan Africa. Washington, DC. Apr. 17, 2013.
81. \***N. Mason**, T.S. Jayne, and R. Mofya-Mukuka. “Zambia’s input subsidy programs.” Presentation at the IFPRI/MSU workshop on Input Subsidy Programs in sub-Saharan Africa. Washington, DC. Apr. 16, 2013.
82. \*J. Ricker-Gilbert, **N. Mason**, F. Darko†, and S. Tembo. “General equilibrium effects of input subsidy programs on maize prices: Evidence from Malawi and Zambia.” Presentation at the IFPRI/MSU workshop on Input Subsidy Programs in sub-Saharan Africa. Washington, DC. Apr. 16, 2013.
83. \***N. Mason**, T.S. Jayne, and N. van de Walle. “Fertilizer subsidies and voting behavior: Political economy dimensions of input subsidy programs.” Invited seminar at the Department of Agricultural, Food, & Resource Economics, Michigan State University. East Lansing, MI. Apr. 11, 2013.
84. **N. Mason** and \*J. Ricker-Gilbert. “Disrupting demand for commercial seed: Input subsidies in Malawi and Zambia.” Midwest International Economic Development Conference, Center for International Food and Agricultural Policy (CIFAP), Madison, WI. Apr. 5, 2013.
85. \***N. Mason**, T.S. Jayne, and N. van de Walle. “Fertilizer subsidies and voting behavior: Political economy dimensions of input subsidy programs.” Presentation at the Future Agricultures Consortium International Conference on the Political Economy of Agricultural Policy in Africa. Pretoria, South Africa. Mar. 18, 2013.
86. \*R. Mofya-Mukuka, S. Kabwe, A. Kuteya, and **N. Mason**. “Review of the Farmer Input Support Programme (FISP) in Zambia: Focus on Targeting.” Presentation to the FISP E-Voucher Steering Committee. Lusaka, Zambia. Jan. 11, 2013.
87. \***N. Mason**, T.S. Jayne, and R. Myers. “The effects of the Food Reserve Agency on smallholder production patterns and maize market prices.” Presentation at the Stakeholders’ Meeting on Evidence-Based Agricultural Policy Decisions to Shape Agricultural Development for Poverty Reduction. Lusaka, Zambia. Dec. 5, 2012.
88. \***N. Mason**, T.S. Jayne, and B. Shiferaw. “Wheat consumption in sub-Saharan Africa: Trends, drivers, and implications for food security and policy.” Keynote presentation at the Wheat for Food Security in Africa conference. Addis Ababa, Ethiopia. Oct. 8, 2012.
89. \*N. Sitko, \*T.S. Jayne, and \***N. Mason**. “Improving the performance of agriculture in Zambia through well-targeted investments.” Presentation for the USAID/Southern Africa Director & USAID/Zambia Desk Officer. Indaba Agricultural Policy Research Institute (IAPRI), Lusaka, Zambia. Sep. 18, 2012.
90. \*M. Hichaambwa, \***N. Mason**, and N. Sitko. “Land access and impacts on public spending on agriculture in Zambia.” Presentation to the World Bank. Indaba Agricultural Policy Research Institute (IAPRI), Lusaka, Zambia. Sep. 17, 2012.



91. \*M. Hichaambwa, \***N. Mason**, and N. Sitko. "Land access and impacts on public spending on agriculture in Zambia." Presentation to the United States Agency for International Development (USAID) Economic Growth Team. Indaba Agricultural Policy Research Institute (IAPRI), Lusaka, Zambia. Sep. 4, 2012.
92. \***N. Mason**, D. Mather, and T.S. Jayne. "Smallholder behavioral responses to grain marketing board activities in dual channel marketing systems: Overcoming modeling challenges and evidence from Zambia and Kenya." Presentation at the mini-symposium on the Microeconomic Effects of Grain Marketing Boards on Farm Households in sub-Saharan Africa. International Association of Agricultural Economists Triennial Conference. Foz do Iguaçu, Brazil. Aug. 22, 2012.
93. \*J. Ricker-Gilbert, **N. Mason**, D. Mather, and T.S. Jayne. "Cross-country impacts of input subsidies: Insights on targeting, crowding out, and production from Kenya, Malawi, and Zambia." Presentation at the mini-symposium on Input Promotion Programs in Africa: What Works, What Doesn't, and Why? International Association of Agricultural Economists Triennial Conference. Foz do Iguaçu, Brazil. Aug. 20, 2012.
94. \***N. Mason**, T.S. Jayne, and R. Myers. "Smallholder behavioral responses to marketing board activities in a dual channel marketing system: The case of maize in Zambia." Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Foz do Iguaçu, Brazil, Aug. 19, 2012.
95. \***N. Mason**. "Overview of the Feed the Future (FTF) agricultural baseline survey." Agricultural Research and Development Program Biannual Program Meeting, United States Agency for International Development (USAID)/Feed the Future (FTF). Lusaka, Zambia. Nov. 30, 2011.
96. \*T.S. Jayne, W. Burke, A. Shipekesa, A. Chapoto, and **N. Mason**. "Zambia's maize policy challenges: Issues and options for the Comprehensive Africa Agriculture Development Programme (CAADP)." Cooperating Partners Meeting, Comprehensive Africa Agriculture Development Programme (CAADP). Lusaka, Zambia. Aug. 23, 2011.
97. \*T.S. Jayne, W. Burke, A. Shipekesa, A. Chapoto, A., and **N. Mason**. "Zambia's maize policy challenges: Issues and options for Comprehensive Africa Agriculture Development Programme (CAADP)." Conference on Managing Maize Bumper Harvests and Food Policy Challenges, Agricultural Consultative Forum/Food Security Research Project/Ministry of Agriculture & Cooperatives. Lusaka, Zambia. Aug. 16, 2011.
98. \***N. Mason**. "Maize, fertilizer, and politics: The effects of the Zambian Food Reserve Agency and fertilizer subsidies on smallholder behavior." Invited presentation to the Program on Food Security and the Environment. Stanford University. May 24, 2011.
99. C. Nkonde, **N. Mason**, N. Sitko, W. Burke, D. Banda, and \*T.S. Jayne. "Options for addressing Zambia's maize marketing challenges in 2011." Presentation to the Management of the Food Reserve Agency, Food Reserve Agency. Lusaka, Zambia. Mar. 29, 2011.
100. \*A. Kuteya, \*M. Weber, S. Kabwe, M. Beaver, A. Chapoto, W. Burke, and **N. Mason**. "Categorization of rural cropping households in Zambia." Workshop on Agriculture & Nutrition Growth Strategies, Catholic Relief Services. Lusaka, Zambia. Mar. 17, 2011.
101. \*A. Kuteya, \*M. Weber, S. Kabwe, M. Beaver, A. Chapoto, W. Burke, and **N. Mason**. "Categorization of rural cropping households in Zambia." Stakeholders' Meeting, Agricultural Consultative Forum. Lusaka, Zambia. Mar. 16, 2011.
102. C. Nkonde, **N. Mason**, N. Sitko, W. Burke, D. Banda, and \*T.S. Jayne. "Lessons from Zambia's 2010 maize marketing experience." Economics Association of Zambia. Lusaka, Zambia. Mar. 4, 2011.
103. A. Chapoto, T.S. Jayne and **N. Mason**\*. "Security of widows' access to land in the era of HIV/AIDS: Panel survey evidence from Zambia." Selected paper presented at the African Livelihoods Conference. Department of Anthropology, University of Rochester. February 25, 2011.
104. C. Nkonde, **N. Mason**, N. Sitko, W. Burke, D. Banda, and \*T.S. Jayne. "Lessons from Zambia's 2010 maize marketing experience." Cooperating Partners Meeting, Indaba Agricultural Policy Research Institute (IAPRI). Lusaka, Zambia. February 9, 2011.
105. W. Burke, **N. Mason**, M. Beaver, and \*T.S. Jayne. "Analysis of the 2009/10 maize production estimate from the Crop Forecast Survey." Meeting of the Food Security Research Project, Agricultural

- Consultative Forum, and the Ministry of Agriculture and Cooperatives, Policy and Planning Department. Lusaka, Zambia. Jun. 28, 2010.
106. \***N. Mason**, T.S. Jayne, A. Chapoto and R. Myers. “A test of the new variant famine hypothesis: Panel survey evidence from Zambia.” Selected paper presented at the International Association of Agricultural Economists Triennial Conference. Beijing, China. Aug. 21, 2009.
  107. \***N. Mason**, T.S. Jayne, C. Donovan and A. Chapoto. “Are staple foods becoming more expensive for urban consumers in eastern and southern Africa? Trends in food prices, marketing margins, and wage rates in Kenya, Malawi, Mozambique, and Zambia.” Selected paper presented at the Institute for African Development symposium on the Food and Financial Crises and their Impacts on Achievement of the Millennium Development Goals in Africa. Cornell University. May 2, 2009.
  108. \***N. Mason**, T.S. Jayne, A. Chapoto and R. Myers. “A test of the new variant famine hypothesis: Panel survey evidence from Zambia.” Selected paper presented at the African Economic Research Consortium-Cornell conference on Bottom-Up Interventions and Economic Growth in Sub-Saharan Africa. Nairobi, Kenya. Jun. 1, 2007.
  109. \***N. Mason**, A. Chapoto, and T.S. Jayne. “A test of the new variant famine hypothesis in Zambia.” Selected poster presentation at the XVI International AIDS Conference. Toronto, Canada. August 13-18, 2006.
  110. A. Chapoto, T.S. Jayne, and \***N. Mason**. “Security of widows’ access to land in the era of HIV/AIDS: Panel survey evidence from Zambia.” Selected poster presentation at the XVI International AIDS Conference. Toronto, Canada. August 13-18, 2006.

## **Teaching**

### *Michigan State University – Department of Agricultural, Food, and Resource Economics*

- AFRE 861, Agriculture in Economic Development. Co-taught with S. Liverpool-Tasie (50% responsibility). 3 credit hours. Fall semesters. Years (enrollment): 2014 (12), 2015 (15), 2016 (8), 2017 (18), 2018 (10).
- AFRE 802, Statistical Methods for Agricultural, Food, & Resource Economists. 3 credit hours. Fall semesters. Years (enrollment): 2014 (15), 2015 (8), 2016 (16), 2017 (10), 2018 (11).
- ABM 203, Data Analysis for the Agri-Food System. Co-taught with AFRE Ph.D. student (50% responsibility). 3 credit hours. Fall semester. Year (enrollment): 2017 (83), 2018 (52).
- AFRE 961, Advanced Agricultural Development Economics. Team taught with S. Jin, A. Dillon, and M. Porter (25% responsibility). 3 credit hours. Spring semester. Year (enrollment): 2017 (6).

### *University of Zambia – Department of Agricultural Economics and Extension Education*

- AGE 6231, Quantitative Analysis of Agricultural Policies (2012; team taught with G. Tembo)
- AGE 6041, Issues in Agricultural & Applied Economics (2011; team taught with G. Tembo and W. Burke)

**Table 2. MSU teaching evaluation statistics (1=superior, 2=above average, 3=average, 4=below average, 5=inferior)**

Course Number	Semester	Instructor Involvement	Student Interest	Student- Instructor Interaction	Course Demands	Course Organization	Mean across all 21 SIRS questions
AFRE 802 (formerly AEC 802)	Fall 2014	1.53	1.76	1.47	1.84	1.47	1.61
	Fall 2015	1.35	1.57	1.17	1.71	1.11	1.38
	Fall 2016	1.25	1.53	1.27	1.44	1.23	1.34
	Fall 2017	1.19	1.75	1.36	1.60	1.39	1.46
	Fall 2018	1.39	1.86	1.47	1.66	1.36	1.56
AFRE 861 <sup>a</sup> (formerly AEC 861)	Fall 2014	1.61	2.02	1.70	2.09	1.97	1.88
	Fall 2015	1.36	1.39	1.30	1.94	1.42	1.48
	Fall 2016	1.21	1.75	1.35	1.93	1.43	1.54
	Fall 2017	1.26	1.64	1.21	2.06	1.51	1.53
	Fall 2018	1.18	1.38	1.10	1.60	1.30	1.30
AFRE 961 <sup>b</sup>	Spr. 2017	1.17	1.45	1.20	1.46	1.12	1.28
ABM 203 <sup>c</sup>	Fall 2017	1.60	2.03	1.57	1.77	1.67	1.74
	Fall 2018	1.62	2.10	1.79	1.99	1.83	1.89
<b>Overall average</b>		<b>1.36</b>	<b>1.71</b>	<b>1.38</b>	<b>1.78</b>	<b>1.45</b>	<b>1.54</b>

Source: MSU Student Instructional Rating System (SIRS) reports

Notes: Average scores are across all questions in each category. All courses are 3 credit hours. <sup>a</sup> Co-taught with S. Liverpool-Tasie (50% responsibility). <sup>b</sup> Team taught with S. Jin, A. Dillon, and M. Porter (25% responsibility). <sup>c</sup> Co-taught with AFRE Ph.D. student (50% responsibility).

### **Guest Lectures**

- \***N. Mason.** "Incorporating uncertainty in project appraisal." AFRE 865, Agricultural Benefit-Cost Analysis. Department of Agricultural, Food, and Resource Economics, MSU. Feb. 12, 2019.
- \***N. Mason.** "Links among food security, poverty reduction, and agricultural development: examples from sub-Saharan Africa." ES 230, Soil to Plate. Department of Environmental Science, Allegheny College. Apr. 21, 2016.
- \***N. Mason, M. Maredia, and K. Chung.** "Faculty panel on research design, questionnaire design, sampling, and fieldwork implementation." AEC 874, Field Data Collection and Analysis in Developing Countries. Department of Agricultural, Food, and Resource Economics, MSU. Apr. 8, 2015.
- \***N. Mason.** "Discounting, net present value, and the internal rate of return." AEC 865, Agricultural Benefit-Cost Analysis. Department of Agricultural, Food, and Resource Economics, MSU. Jan. 21, 2014.
- \***N. Mason.** "Maize marketing challenges in Zambia: Can insights from AEC 932 break the gridlock?" AEC 932, Information Economics and Institutions in Agriculture and Natural Resources. Department of Agricultural, Food, and Resource Economics, MSU. Nov. 22, 2013.

## **Graduate Student Advising**

### ***Ph.D. students – Major professor***

1. Stephen Morgan (AFRE). Dissertation title: “The experimental science of economic behavior: Testing theories of compliance, technology adoption, and valuation”. Degree awarded in 2018. (1<sup>st</sup> placement: Tenure track assistant professor, Food & Resource Economics Department, University of Florida.)
2. Jongwoo Kim (AFRE). Dissertation title: “Sustainable intensification of maize production in Tanzania: Technical efficiency, effects on child nutrition, and the role of input subsidies”. Dissertation defended Jul. 9, 2019. (1<sup>st</sup> placement: Research Fellow, Korea Energy Economics Institute.)
3. Aakanksha Melkani (AFRE). Dissertation title: Essays on agricultural input and output markets. In progress.
4. Christina Biedny (AFRE). Dissertation title: TBD. In progress.

### ***Ph.D. students – Committee member***

1. Michael Dolislager (AFRE). Dissertation title: “Food consumption patterns in light of rising incomes, urbanization, and food retail modernization: Evidence from eastern and southern Africa”. Degree awarded in 2017. (1<sup>st</sup> placement: Assistant Professor, Department of Business, Messiah College.)
2. John Olwande (AFRE). Summer 2014-Fall 2015. Transferred to Department of Community Sustainability.
3. Obafemi Elegbede (AFRE). Summer 2014-Spring 2015. Transferred to Department of Community Sustainability.
4. Robert Martin (Economics). Dissertation title: “Estimation of nonlinear panel data models with unobserved heterogeneity”. Degree awarded in 2017. (1<sup>st</sup> placement: Research Economist, Bureau of Labor Statistics.)
5. Alyssa Carlson (Economics). Dissertation title: “Trade-offs in non-linear models and estimation strategies”. Dissertation defended Apr. 16, 2019. (1<sup>st</sup> placement: Tenure track assistant professor, Department of Economics, University of Missouri – Columbia.)
6. Evgeniya Moskaleva (AFRE). Dissertation title: “Essays on internal migration of rural youth in Tanzania”. In progress.
7. Christine Sauer (AFRE). Dissertation title: TBD. In progress.
8. Alison Nord (Crop and Soil Science). Dissertation title: “Multi-scale legume intensification: From farmer to plot to landscape”. In progress.
9. Chiwimbo Gwenambira (Crop and Soil Science). Dissertation title: “Sustainable intensification with legumes in Malawi”. In progress.
10. Andrew Gerard (Community Sustainability). Dissertation title: TBD. In progress.

### ***M.S. students – Major professor***

1. N. Kendra Levine (AFRE). Plan B Paper title: “Do input subsidies crowd in or crowd out other soil fertility management practices? Evidence from Zambia”. Degree awarded in 2015. (1<sup>st</sup> placement: Manager, US Supply Chain Sustainability at McDonald's Corporation.)
2. David Olson (AFRE). Thesis title: “Do changes in maize prices and input prices affect smallholder farmers’ soil fertility management decisions? Panel survey evidence from Kenya”. Degree awarded in 2018. (1<sup>st</sup> placement: USDA ERS.)
3. Megan Bellinger (AFRE). Thesis title: TBD. In progress.

### ***M.S. students – Committee member***

1. Adam Soliman (AFRE). Thesis title: “To what water price do consumers respond? A study of increasing block rates and mandatory water restrictions”. Degree awarded in 2016. (1<sup>st</sup> placement: Ph.D. program, Dept. of Agricultural and Resource Economics, University of California-Davis.)
2. Ange Kakpo (AFRE). Plan B Paper title: “Smallholder horticulture in Mali: Patterns of input use”. Defended in July 2016. Degree awarded in 2016. (1<sup>st</sup> placement: Ph.D. program, Dept. of Agricultural and Applied Economics, Virginia Tech.)
3. Christine Sauer (AFRE). Spring 2016 - Fall 2016. Transferred to Ph.D. program.
4. Tian Cai (AFRE). Thesis title: “The impact of audio phone reminders on Kenya farmers’ knowledge and uptake of drought tolerant maize”. Degree awarded in 2018. (1<sup>st</sup> placement: Program Officer, Food and

- Agriculture Organization of the United Nations.)
5. Trhas Fkadu (AFRE). Thesis title: “Impact of legume technologies on food security in Uganda”. Degree awarded in 2018. (1<sup>st</sup> placement: TBD.)
  6. Brian Bartle (AFRE). Thesis title: “Measuring the role of branding and information diffusion in willingness to pay for quality potato planting material: A research study in Kenya”. Defended in Summer 2018.
  7. Kevin Affoukou (AFRE). Thesis title: “Adoption of improved seed and storage technologies and their implications for household wellbeing in maize farming system in Tanzania”. In progress.
  8. Simone Faas (AFRE). Thesis title: TBD. In progress.
  9. Soojung Ahn (AFRE). Thesis title: TBD. In progress.

***Other Graduate Research Assistants (in addition to advisees above)***

1. Ayala Wineman (Ph.D. student, AFRE). Oct. 2014-Dec. 2015, Kenya/TAPRA II project. Degree awarded in 2015. (1<sup>st</sup> placement: Assistant Professor, International Development, MSU/AFRE.)
2. Jason Snyder (Ph.D. student, AFRE). Sep. 2017-Jun. 2018, Food Security Policy – Zambia Buy-In.

**Visiting Scholars**

1. Mary Lubungu. Research Associate, Indaba Agricultural Policy Research Institute, Zambia. Jan.-May 2014.
2. Linda Steinhuebel. Ph.D. candidate, Georg August University, Germany. Jan.-Mar. 2019.

**Technical Trainings and Workshops Organized/Instructed**

1. “Endogenous switching regression methods.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Sep. 17, 2018. (Co-organizer with H. Ngoma)
2. “Introduction to applied econometrics and Stata.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Jun. 25, 2018. (Organizer and Instructor)
3. “Introduction to economic experiments and a focus on framed field experiments.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Jun. 22, 2018. (Co-Organizer and Co-Instructor with H. Ngoma)
4. “Difference-in-differences.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Mar. 1, 2018. (Organizer and instructor)
5. “Developing private sector agro-input markets: Lessons learned and emerging perspectives on subsidy programs.” International Fertilizer Development Center workshop for government officials, donors, NGOs, input suppliers, and farmers. Jinja, Uganda. Feb. 19-23, 2018. (Co-instructor with J. Ariga, S. Idris, M. Wanzala-Mlobela, K. Kuhlmann, and C. Jumbe)
6. “Impact evaluation: Introduction and methods overview.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Sep. 5, 2017. (Trained the trainer and developed training materials; repeat of Jul. 13, 2017 training for researchers that could not attend.)
7. “Impact evaluation: Introduction and methods overview.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Jul. 13, 2017. (Organizer and instructor)
8. “Introduction to applied econometrics and Stata.” Technical training for visiting Tanzanian researchers associated with the Tanzania Agriculture Sector Policy and Institutional Reforms Strengthening (ASPIRES) project. East Lansing, MI. May 18, 2017. (Organizer and instructor)
9. “Introduction to modeling agricultural technology adoption.” Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. Apr. 25-26, 2017. (Organizer and instructor)
10. “Introduction to agricultural household models.” Technical training for Kenyan researchers. Tegemeo Institute of Agricultural Policy and Development. Nairobi, Kenya. Apr. 19-20, 2017. (Organizer and instructor)

11. "Writing academic papers." Workshop for Zambian researchers. Mika Convention Center. Lusaka, Zambia. Mar. 27-28, 2017. (Organizer)
12. "Introduction to experimental economics." Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. June 29, 2016. (Organizer)
13. "Introduction to agricultural household models." Technical training for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. June 22-23, 2016. (Organizer and instructor)
14. "Causality, validity, and correcting for endogeneity in linear models." Technical training for Kenyan researchers. Tegemeo Institute of Agricultural Policy and Development. Nairobi, Kenya. August 20, 2015. (Organizer and instructor)
15. "Quantitative analysis technical training." Technical training for Kenyan researchers. Tegemeo Institute of Agricultural Policy and Development. Nairobi, Kenya. February 10-14, 2014. (Organizer and instructor)
16. "Academic publication: Strategies and processes." Seminar for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. May 10, 2013. (Organizer and co-instructor (with N. Sitko))
17. "Quantitative analysis capacity building sessions." A series of 15 technical trainings for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. January 27, 2012-March 22, 2013, 2013. (Organizer and co-instructor (with W. Burke))
18. "Giving effective oral presentations." Seminar for Zambian researchers. Indaba Agricultural Policy Research Institute. Lusaka, Zambia. January 26, 2012. (Organizer and co-instructor (with W. Burke))

## **Service**

### ***Editorial Boards***

1. *Journal of Agricultural and Applied Economics* (Member, Editorial Council), Feb. 2017-present
2. *Southern African Journal of Development and Policy* (Member, Advisory Board), Mar. 2017-present  
[I am serving on this interdisciplinary journal's advisory board to advance scholars and scholarship in southern Africa, particularly in Zambia, which is the main focus country for my work.]

### ***Refereeing of Journal Articles***

*American Journal of Agricultural Economics* (12), *Applied Economic Perspectives and Policy* (2), *Agricultural Economics* (12), *Journal of Agricultural Economics* (7), *Food Policy* (13), *World Development* (3), *Global Environmental Change* (1), *Oxford Development Studies* (2), *Journal of African Economies* (1), *Journal of Development Studies* (5), *Food Security* (2), *Agrekon* (2), *PLOS One* (1), *Journal of Agricultural & Applied Economics* (4), *European Review of Agricultural Economics* (1), *African Journal of Agricultural & Resource Economics* (1), *African Journal of Agricultural Research* (1)

### ***Professional Association Memberships***

1. Member, International Association of Agricultural Economists (IAAE)
2. Member, Agricultural and Applied Economics Association (AAEA)
3. Member, Agricultural Economics Society (AES)
4. Member, African Association of Agricultural Economists (AAAE)

### ***Service to Professional Associations***

1. Member, AAEA Africa Section Mentorship Committee, 2018/19
2. Secretary/Treasurer, AAEA Africa Section, 2015-2018 (elected position, 3-year term)
3. Co-organizer (with V. Caputo), track session, annual meeting of the AAEA, Washington, DC, Aug. 7, 2018. "Recent developments in using choice experiments to elicit producer and consumer preferences in Africa."
4. Moderator, Africa Section Mentoring Session, annual meeting of the AAEA, 2018
5. Moderator, selected paper session, annual meeting of the AAEA, 2018
6. Organizer, organized symposium, triennial conference of the IAAE, Vancouver, Canada, Jul. 30, 2018. "Agricultural input subsidy programs in sub-Saharan Africa: Are recent program innovations improving program performance? Evidence from Malawi, Nigeria, and Zambia."



7. Reviewer, selected papers for the triennial conference of the IAAE, 2018
8. Reviewer, selected papers for the annual meeting of the AAEA, 2018
9. Panelist, AAEA workshop on “Grant Writing by Early Career Professionals”, Jul. 29, 2017
10. Moderator, selected paper session, annual meeting of the AAEA, 2017
11. Reviewer, selected papers for the annual meeting of the AAEA, 2017
12. Co-organizer, 2 track sessions at the annual meeting of the AAEA, 2016
  - “Agri-food system and structural transformation in Africa” (with V. Amanor-Boadu and A. Abdulai, Aug. 1, 2016)
  - “Are poor soils a blessing or a curse? Estimating the relationships among soil quality, agricultural productivity, and poverty in sub-Saharan Africa” (with J. Ricker-Gilbert and M. Muyanga, Aug. 2, 2016)
13. Reviewer, selected papers for the triennial conference of the AAEA, 2016
14. Reviewer, selected papers for the annual meeting of the AAEA, 2016
15. Reviewer, selected poster session at the annual meeting of the AAEA, 2015
16. Moderator, selected paper session at the annual meeting of the AAEA, 2015
17. Reviewer, selected papers for the triennial conference of the IAAE, 2015
18. Reviewer, selected papers for the annual meeting of the AAEA, 2015
19. Reviewer, selected papers for the annual meeting of the AAEA, 2014
20. Co-organizer, 2 mini-symposia, triennial conferences of the IAAE, Foz do Iguaçu, Brazil, 2012
  - “Microeconomic effects of grain marketing boards on farm households in sub-Saharan Africa” (with T.S. Jayne and D. Mather, Aug. 22, 2012)
  - “Input promotion programs in Africa: What works, what doesn’t, and why?” (with J. Ricker-Gilbert, G. Shively, T.S. Jayne, and D. Mather, Aug. 20, 2012)

### ***Service to Michigan State University***

1. Chair, College Graduate Committee, College of Agriculture and Natural Resources (CANR), 2018/19
2. Member, Graduate Policy Committee, AFRE, 2018/19
3. Member, Global Scholars Committee, CANR, Dec. 2018-present
4. Presenter, Overview of AFRE research on international and regional economic development. AFRE Prospective Student Visit Day, Mar. 22, 2019.
5. Member, Search Committee for a faculty position in Agricultural and Food Policy, AFRE, Apr. 2018-Feb. 2019
6. Member, Global Strategy Advisory Council, CANR, Feb. 2018-Sep. 2018
7. Secretary, Department Advisory Committee, AFRE, 2017/18
8. Secretary, College Graduate Committee, CANR, 2017/18
9. Organizer, Women in AFRE annual networking event, 2014-present
10. Organizer, AFRE Early Career Faculty monthly lunch meetings, 2015-2017
11. Member, Development Economics Field Exam Committee, AFRE, Summer 2017
12. Guest speaker, MSU Student Economics Association, Feb. 22, 2017
13. Member, Department Advisory Committee, AFRE, 2016/17
14. Member, College Graduate Committee, CANR, 2016/17
15. Faculty panelist, Academy for Global Engagement (AGE) kickoff meeting session on AGE fellow-mentor relationships, Jan. 10, 2017
16. Chair, Development Economics Field Exam Committee, AFRE, Fall 2016
17. Faculty panelist, representing the Food and Agricultural Markets graduate field, AFRE Graduate Orientation, Aug. 29, 2016
18. Invited participant, Alliance for African Partnership Design Workshop, May 10-12, 2016
19. Member, Development Economics Field Exam Committee, AFRE, Summer 2016
20. Member, Strategic Planning Committee on International and Regional Economic Development, AFRE, 2016
21. Member, Search Committee for Seed Systems Faculty, Department of Plant, Soil, and Microbial Sciences, 2016
22. Member, MS Thesis Selection Committee, AFRE, 2015/16

23. Faculty panelist, AFRE Graduate Student Organization brownbag on “Preparing to go on the Ph.D. and M.S. job market”, Sep. 8, 2015
24. Member, Search Committee for the Department Chairperson, AFRE, 2014/15
25. Member, Graduate Admissions Committee, AFRE, 2013/14
26. Member, Search Committee for the Elton R. Smith Endowed Chair in Food & Agricultural Policy, AFRE, 2013/14
27. Core Faculty Member, African Studies Center, 2014-present
28. Core Faculty Member, Center for the Advanced Study of International Development, 2016-present

### **Advisory Work**

1. Core Partner, the Sustainable Opportunities for Improving Livelihoods with Soils (SOILS) Consortium, Nov. 2018-present. [The SOILS Consortium members are USAID, the International Fertilizer Development Center, and the Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification (SIIL), which is managed by Kansas State University. I am one of eight Core Partners for the Consortium, together with S. Snapp from MSU and two faculty members from each of the following universities: Auburn, University of Colorado-Boulder, and University of Nebraska. The vision of the SOILS Consortium and core partners is “to improve the health and fertility of soils as the foundation for nutritious food production and resilient and sustainable livelihoods”.]
2. Expert Advisor, input subsidy programs, African Fertilizer and Agribusiness Partnership, Apr. 2018-present
3. Board of Advisors (agricultural projects), IDinsight (<http://idinsight.org/>), Aug. 2014-present
4. Consultant, the World Bank, (Input Subsidy Programs in Sub-Saharan Africa), May-Jul. 2015