**DUNCAN HARVEY BOUGHTON**

**Professor, Department of Agricultural, Food, and Resource Economics,**

**Michigan State University**

**boughton@msu.edu** **: +66-98-503-1239**

## Education

Ph.D. in Agricultural Economics, Michigan State University, 1995

Major: Agricultural Commodity Marketing and Price Analysis

 Minor: Production Economics

M.Sc. in Tropical Agricultural Development, University of Reading, UK, 1980

B.Sc. (Honors) in Agricultural Economics, University of Reading, UK, 1979

Honor Societies: Phi Kappa Phi, Phi Beta Delta.

***Professional Awards***

J. William Fulbright Foreign Scholarship Award. 2019/20.

Ralph H Smuckler Award for Advancing International Studies and Programs. 2016.

***Language Skills***

English (fluent), French (functional reading/speaking), Portuguese (functional reading/speaking)

***Experience***

* **Professor, Department of Agricultural Food and Resource Economics (AFRE), Michigan State University (MSU) and Visiting Professor, Department of Agricultural and Resource Economics, Kasetsart University, Bangkok, Thailand.** January 2022 to present. MSU Food Security Group lead faculty member for Southeast Asia for the USAID funded Innovation Lab for Policy Research Capacity Building and Influence (PRCI). Lead PI for a subaward under the USDA funded Thailand Regional Agricultural Information Network (RAIN) project implemented by Winrock International; responsible for climate smart innovation technology assessment methods and scaling needs for 6 value chains (including irrigated and rainfed rice) in collaboration with Kasetsart University. Also responsible for developing and evaluating options for a regional agricultural innovation hub for climate smart technologies in Southeast Asia. Lead PI for a subaward under USAID funded Myanmar Agricultural Policy Support Activity (MAPSA) implemented by International Food Policy Research Institute (IFPRI). Lead PI for UNOPS Livelihoods and Food Security (LIFT) funded Agrifood Value Chain Development (AVCD) project. Consultant to the IFPRI Papua New Guinea (PNG) country program to design and implement a policy analysis training to strengthen policy dialogue with the PNG Department of Agriculture and the Prime Minister’s National Economic Committee.
* **Professor, Department of Agricultural Food and Resource Economics (AFRE), Michigan State University (MSU)**. January 2016 to December 2021. Outposted to Myanmar as country program manager and lead PI for the USAID Burma Food Security Policy Project (FSPP) and UNOPS Livelihoods and Food Security (LIFT) funded Agrifood Value Chain Development (AVCD) projects in Myanmar. Policy advisor to Ministry of Agriculture, Livestock and Irrigation Policy Unit and to the National Agricultural Research System task force until military coup in 2021. Fulbright Scholar with Yezin Agricultural University Department of Agricultural Economics teaching MS level course on agricultural development. Undertook research and analysis of agriculture, rural livelihoods and the agrifood system for evidence-based policy formulation and development of a national agricultural development strategy. Facilitated strategic planning for agricultural research units to build a unified national system. Interim Chief of Party for IFPRI led Myanmar Agricultural Policy Support Activity (MAPSA) pending transfer of permanent IFPRI staff member. Undertook analysis of impacts of COVID-19 and the military coup on agriculture and food security to guide government and donor responses.
* **Professor, Department of Agricultural Food and Resource Economics (AFRE/MSU)**. July 2014 to December 2015. Co-Director of the Food Security Group (FSG) and first Program Director for the $70 million USAID Feed the Future Innovation Lab for Food Security Policy (FSP-IL) implemented by MSU in partnership with IFPRI and the University of Pretoria. With leadership responsibility for overall direction and performance of the program I designed a high-functioning matrix management system with joint teams working on five research areas in 9 countries in Africa and Asia. This system provided the flexibility to link short-term policy response needs at country level with relevant expertise across our institutions without loss of focus on longer-term research themes. Originally budgeted at $25 million over five years, the strength and relevance of our joint efforts resulted in USAID increasing the award to $70 million. As Program Director I was regularly called upon to organize and/or present at high level policy fora such as USAID senior management briefings and USAID policy seminars.
* **Associate Professor, Department of Agricultural Food and Resource Economics (AFRE/MSU).** October 2005 to June 2014. Facilitated strategic planning processes leading to the establishment of the Food Security Group (FSG). Selected as one of two inaugural Co-Directors with leadership responsibility for overall direction and performance of FSG. Worked with faculty to engage and diversify program sponsors beyond our primary funder (USAID) to include the Bill and Melinda Gates Foundation, the World Bank, the International Fund for Agricultural Development, the Millenium Challenge Corporation, and the Hewlett Foundation. I also developed an annual evaluation system for FSG faculty to ensure recognition and rewards for scholarly output and practical development contributions. Co-PI for the USAID funded Food Security III Co-operative Agreement and campus-based co-PI for Mozambique and Mali country programs. Undertook presentations for high level fora including a presentation to the US Government Accountability Office team on Global Food Insecurity, the NEPAD/CAADP Expert Reference Group on Food Security and Nutrition, keynote speaker for the Southern Africa Strategic Analysis and Knowledge Support Systems network, Co-convener for an IAAE conference mini-symposium on “Strengthening the Linkage Between Policy Research and Policy Practice in Sub-Saharan Africa”, chair for opening session of round table on “Regional Trade, Growth and Emergency Response: Strategic Options for Dealing with Recurrent Food Crises in Southern Africa”; invited speaker for G17 Heads of Mission meeting in Maputo, Mozambique.
* **Associate Professor, International Development (AFRE/MSU)**. August 2004 to September 2005. Primary responsibility for leadership of an in-country and campus team of seven MSU faculty engaged in a four-year, $4.9 million USAID/Mozambique-funded grant beginning 1 October 2004 to build capacity for socio-economic and policy analysis with the Mozambican national agricultural research program (IIAM) and the Ministry of Agriculture. Major policy analysis presentations made to the World Bank, the Mozambique Ministry of Agriculture international donor working group, and representatives of Mozambique’s Ministries of Planning and Development and Ministry of Agriculture.
* **Associate Professor, International Development (AFRE/MSU) and Mozambique Country Director**. October 1998 to July 2004. Overall responsibility for in-country leadership of a $6.1 million USAID/Mozambique-funded grant for Research and Policy Dialogue. The principal objective of the grant was to build capacity in data collection and policy analysis as part of a sector-wide public investment program. Prepared policy analysis and keynote speeches for the Minister of Agriculture for several international events (Berlin Food Aid Conference, American Growth and Opportunity Act Conference, Johannesburg International Environmental Conference).
* **Senior Scientist (Economics) and Southern Africa Regional Project Manager, International Crops Research Institute for the Semi-Arid Tropics**. August 1996 to August 1998. Based in Malawi, provided leadership for the socio-economics research component of multi-disciplinary technical research teams improving pigeon pea and groundnut productivity in Southern and Eastern Africa, and managed a German Aid (GTZ) funded SADC regional program for groundnut technology transfer. Led preparation for an external evaluation that resulted in follow-on phase.
* **Visiting Assistant Professor (MSU) and Coordinator of Agricultural Research Strategic Planning Activity**. October 1994 to July 1996. This USAID funded activity focused on strategic planning approaches to integrate agricultural technology, value chain and economic growth policies and strategies in Africa to improve the impact of agricultural research investments. A guidebook for agricultural research planning in a value chain framework was published in English, French and Portuguese.
* **Graduate Research Assistant/In-country Researcher (MSU)**. January 1992 to September 1994. Undertook an in-depth analysis of the maize commodity system in Mali, focusing on urban coarse grain processing and consumption patterns in collaboration with socio-economists from the Institut d’Economie Rurale (IER). Helped to establish an agricultural value chain studies unit to inform crop breeding objectives and understand market constraints to improved production system management. Advised USAID Mali on the impact of a major regional currency devaluation on different urban consumer groups, and policy implications for urban safety nets.
* **Graduate Research Assistant, Department of Agricultural Economics**. September 1988 to December 1991. Undertook the following research assignments: 1) a collaborative study with the Farming Systems department of IER/Mali to assess the impact and rate of return to maize research in Mali, 2) an evaluation of World Bank and USAID supported projects to strengthen National Agricultural Research Systems in Africa, and 3) an evaluation of alternative techniques for economic analysis of on-farm trials. Undertook a World Bank study with Jaqueline Novogratz (now CEO of Acumen Fund) on opportunities to improve agriculture for women farmers in The Gambia.
* **Farm Management Economist, Department of Agricultural Research Services, The Gambia (seconded by UK Overseas Development Administration, now FCDO).**  June 1983 – August 1988. Principal activities involved provision of an interface between small farmers and technical scientists in the national agricultural research program. Undertook on-farm yield gap study of groundnut production which led to diagnosis of low seed viability as a major constraint. Studied farmer soil fertility management systems in different agro-ecologies. Worked closely with scientists of the University of Wisconsin-Madison and Peace Corps on the USAID-funded Gambia Agricultural Research and Development project.
* **Internship with the UK Overseas Development Administration (now FCDO).**  November 1980 to May 1983. Competitively awarded internship included 11 months at the International Rice Research Institute in The Philippines, 9 months with the International Agricultural Centre in the Netherlands, and 8 months as an assistant to Natural Resources Economics advisors at the Overseas Development Administration headquarters in London.

## Publications

1. **Journal articles**

Boughton, Duncan, Derek Headey, Kristi Mahrt, Ame Cho, Xinshen Diao, Isabel Lambrecht, Bart Minten, Joey Goeb, Ian Masias, Ben Belton, Nilar Aung and Cho Cho San. 2023. “Double Jeopardy: COVID-19, Coup d'état and Poverty in Myanmar.” *Applied Economic Perspectives and Policy*. Vol. 45, Issue 4, 1998 – 2016. <http://dx.doi.org/10.1002/aepp.13390>

Tun Oo, Aung, Duncan Boughton, and Nilar Aung. 2023. "Climate Change Adaptation and the Agriculture–Food System in Myanmar" Climate 11, no. 6: 124. <https://doi.org/10.3390/cli11060124>

Ardeth M Thawnghmung, Su Mon Thazin Aung, Naw Moo Moo Paw & Duncan Boughton. 2023. “Water in One Hand, Fire in the Other:” Coping with Multiple Crises in Post-coup Burma/Myanmar, Critical Asian Studies, 55:2, 306 -329, DOI: <https://doi.org/10.1080/14672715.2023.2196996>

Win, Myat Thida, Mywish Maredia and Duncan Boughton. 2022. Farmer demand for certified legume seed and the viability of farmer seed enterprises: Evidence from Myanmar. *Food Security.* https://doi.org/10.1007/s12571-022-01338-0

Goeb, Joseph, Mywish Maredia, Khin Zin Win, Ian Masias, Isabel Lambrecht, Duncan Boughton and Bart Minten. 2022. Urban food prices under lockdown: evidence from Myanmar’s traditional food retail sector during COVID-19, *Applied Economics* <https://doi.org/10.1080/00036846.2022.2044999>

Boughton, D., J. Goeb, I. Lambrecht, D. Headey, H. Takeshima, K. Mahrt, I. Masias, S. Goudet, C. Ragasa, M. Maredia, B. Minten, and X. Diao. 2021. Impacts of COVID-19 on Agricultural Production and Food Systems in Late Transforming Southeast Asia: The Case of Myanmar. Journal of *Agricultural Systems* Volume 188. <https://doi.org/10.1016/j.agsy.2020.103026>

Nagoshi, R.N., Htain, N.N., Boughton, D., Zhang, L., Xiao, Y., Nagoshi, B.Y., and Mota-Sanchez, D. 2020. Southeastern Asia fall armyworms are closely related to populations in Africa and India, consistent with common origin and recent migration. *Scientific Reports* 10, 1421. <https://doi.org/10.1038/s41598-020-58249-3>

Bloem, Jeffrey R., Duncan Boughton, Kyan Htoo, Aung Hein and Ellen Payongayong. 2018*.* Measuring Hope: A Quantitative Approach with Validation in Rural Myanmar. *The Journal of Development Studies.* [http://www.tandfonline.com/doi/full/10.1080/00220388.2017.1385764](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.tandfonline.com_doi_full_10.1080_00220388.2017.1385764&d=DwMFaQ&c=nE__W8dFE-shTxStwXtp0A&r=DRKxemG7yPQlpLdi31fZ-EtYXXL4xG4hof_5VQr0-l4&m=OZOCjzYCzYHZmwHFc6bfsE5_9fC9GgO6XVnGUUMJXTg&s=vELRYa1jQrFBfy8EAyWcUMlyuMST6SQIaoWVXrlXKug&e=).

Benfica, Rui, Duncan Boughton, Rafael Uaiene and Bordalo Mouzinho. 2017. Food Crop Marketing and Agricultural Productivity in a High Price Environment: Evidence and Implications for Mozambique. *Food Security,* Vol 9: 1405-1418. <https://doi.org/10.1007/s12571-017-0731-x>

Reardon, Thomas, Duncan Boughton, David Tschirley, Steven Haggblade, Michael Dolislager, Bart Minten and Ricardo Hernandez. 2015. Urbanization, Diet Change, and Transformation of the Downstream and Midstream of the Agrifood System: Effects on the Poor in Africa and Asia. *Faith and Economics,* Vol 66: 43-63.

Haggblade, Steven, John Staatz, Duncan Boughton, Boubacar Diallo, Ferdinand Meyer, Isaac Minde, Lulama Traub and David Tschirley. 2015. **Regional Dimensions of South Africa’s CAADP Process: Lessons from West Africa**. *African Journal of Agricultural and Resource Economics*. Vol.10, No 1: 32-50.

Haggblade, Steven, Duncan Boughton, Khin Mar Cho, Glenn Denning, Renate Kloeppinger-Todd, Zaw Oo, Tun Min Sandar, Tin Maung Than, Naw Eh Mwee Aye Wai, Shannon Wilson, Ngu Wah Win, Larry C. Y. Wong. 2014. Strategic Choices Shaping Agricultural Performance and Food Security in Myanmar. *Journal of International Affairs* 67 (2): 55-71. Columbia University, School of International and Public Affairs.

Mather, David, Boughton, Duncan and Jayne, T.S. 2013*.* Explaining Smallholder Maize Marketing in Southern and Eastern Africa: The Roles of Market Access, Technology and Household Resource Endowments. *Food Policy* 43 (2013) 248-266*.*

Tschirley, David L., Poulton, Colin, Gergely, Nicolas, Labaste, Patrick, Baffes, John, Boughton, Duncan H., and Estur, Gerald. 2010. Institutional Diversity and Performance in African Cotton Sectors. *Development Policy Review* 28 (3): 295-323.

Boughton, Duncan, David Mather, Christopher B. Barrett, Rui Benfica, Danilo Abdula, David Tschirley and Benedito Cunguara. 2007. Market Participation by Rural Households in a Low-Income Country: An Asset-Based Approach Applied to Mozambique. *Faith and Economics* Vol 50:64-101*.*

Boughton, D., and T. Reardon. 1997. Will Improved Coarse Grain Processing Turn the Tide for Traditional Cereals in the Sahel? Recent Empirical Evidence from Mali. *Food Policy* Vol. 22, No.4, 307–316.

Reardon, Thomas, Valerie Kelly, Eric W. Crawford, Bocar Diagana, Josué Dioné, Kimseyinga Savadogo and Duncan Boughton. 1997. Promoting Sustainable Intensification and Productivity Growth in Sahel Agriculture After Macroeconomics Policy Reform. *Food Policy*, Vol. 22, No. 4, 317-328.

Boughton, D., and B. Témé. 1996. Farming Systems and Markets - Combining Analytical Frameworks for the Development of Commodity Subsectors: The Case of Maize in Southern Mali. *Journal for Farming Systems Research-Extension,* Vol. 6, No. 1, 49-66.

Dibley, D., D. Boughton and T. Reardon. 1995. Processing and Preparation Costs for Rice and Coarse Grains in Urban Mali: Subjecting an *Ipse Dixit* to Empirical Scrutiny. *Food Policy*, Vol. 20, No.1, 41-50.

1. **Book Chapters**

Boughton, Duncan, Ardeth Maung Thawnghmung, Cho Cho San, Nilar Aung and Ikuko Okamoto. 2024. Agriculture and Rural Livelihoods: Incipient Progress Aborted. In Adam Simpson and Nicholas Farrelly (Eds). Myanmar – Politics, Economy and Society. Second edition. Routledge Press.

Boughton, Duncan, Ikuko Okamoto, Siu Sue Mark, Tin Htut Oo, Theingi Myint and Ardeth Maung Thawnghmung. 2020. Agriculture and the Rural Economy: The Struggle to Transform Rural Livelihoods. In Adam Simpson and Nicholas Farrelly (Eds). Myanmar – Politics, Economy and Society. Routledge Press.

McIntyre, Angela M., Jannie Armstrong, Suresh C. Babu, Yergelem Beraki, Duncan Boughton, Boaz B. Kaziere, Michael Roberto Kenyi Legge, Laila Lokosang, Bongeka Mdleleni, Rufaro Musvaire, Tessa Marcus, Leila Oliviera, Luca Russo, Jeanettte Sprinkhuizen, and Duncan Stewart. 2019. Notes from the field: challenges, solutions and promising ideas. In Henriks, Sheryl, Ed. Food Security Policy, Education and Impact Assessment. Routledge, Taylor and Francis Group.

Staatz, John, Duncan Boughton and Cynthia Donovan. 2009. Food Security in Developing Countries. In *Critical Food Issues Volume 1: Environment, Agriculture and Health*, ed Laurel E. Phoenix. Pergamon Press.

Boughton, Duncan and Colin Poulton. 2009. Cotton Research. In *Organization and Performance of Cotton Subsectors in Africa: Learning From Reform Experience*. Eds David Tschirley, Colin Poulton and Patrick Labaste. Washington, D.C.: The World Bank.

Poulton, Colin, Patrick Labaste and Duncan Boughton. 2009. Yields and Returns to Farmers. In *Organization and Performance of Cotton Subsectors in Africa: Learning From Reform Experience*. Eds David Tschirley, Colin Poulton and Patrick Labaste. Washington, D.C.: The World Bank.

Tschirley, David, Colin Poulton and Duncan Boughton. 2008. The Many Paths of Cotton Sector Reform in Eastern and Southern Africa:  Lessons from a Decade of Experience. In Hanging by a Thread: Cotton, Globalization and Poverty in Africa, eds. William G. Moseley and Leslie Gray. Nordic Press.

Boughton, D., T. Reardon and J. Wooldridge. 1999. Determinants of Diversification of

Urban Sahel Diets into Maize: A Contingent Valuation Study of Processed Maize Demand in Mali. In *Food Security, Diversification and Resource Management: Refocusing the Role of Agriculture* edited by G. H. Peters and Joachim von Braun. Proceedings of the Twenty-Third International Conference of Agricultural Economists, Sacramento, California, August 10-16, 1997. Aldershot, Ashgate, pp. 317-324.

Reardon, Thomas, Valerie A. Kelly, Bocar Diagana, Josué Dioné, Eric W. Crawford,

Kimseyinga Savadogo and Duncan Boughton. 1998. Intensification durable induite par le facteur capital dans l’agriculture sahélienne: surmonter les contraintes structurelles après les réformes des politiques macro-économiques. In *L’Intensification Agricole au Sahel* edited by Henk Breman and Keffing Sissoko. Paris: Editions Karthala, 1998.

Boughton, D. 1981. Energy Use in Alternative Rice Production Systems in Nueva Ecija, Philippines. in *Beyond The Energy Crisis: Opportunity and Challenge.* Pergamon Press.

1. **Conference papers**

Boughton, Duncan, Bart Minten, Steve Haggblade, Kristi Mahrt, Derek Headey, Isabel, Lambrecht, Joey Goeb, Ben Belton, Ian Masias, Nilar Aung, and Cho Cho San. 2021. Double Jeopardy, Effects of the Coup and COVID-19 on Myanmar’s Agri-food System and Rural Economic Transformation. Accepted paper for the 10th International Conference of the *Asian Society of Agricultural Economists,* December 6-8, 2021*.*

Boughton, Duncan, Nilar Aung, Ben Belton, Mateusz Filipski, David Mather and Ellen Payongayong. 2018. Myanmar’s Rural Economy: A Case Study in Delayed Transformation. Paper presented at 30th International Association of Agricultural Economists meeting, Vancouver, Canada, July 29 – August 2, 2018.

Theingi Myint, Duncan Boughton, Thanda Kyi and Tin Htut. 2017. Myanmar’s Changing Rice Economy: Opportunities, Challenges and Policy. Paper presented at a panel on “Asian Rice Economies: Country Experiences and Challenges Ahead” at the Centenary Conference of the Indian Economics Association, Acharya Nagarjuna University, Guntur, Andhra Pradesh, December 2017.

Boughton, D. H., Belton, B., Myat Thida Win, Aung Hein, Payongayong, M. E., & Tin Htut Oo. 2017. Agricultural and Rural Transformation in Myanmar: Racehorse or Donkey? Paper presented at the 9th International Conference of the *Asian Society of Agricultural Economists*, Bangkok, Thailand, January 2017.

Benfica, R., Boughton, D. H., Uaiene, R. N. 2015. Food Crop Marketing and Agricultural Productivity in a High Price Environment: Evidence and Implications for Mozambique. Paper presented at 29th International Association of Agricultural Economists meeting, Milan, Italy, August 2015.

Pitoro, Raul, Thomas Walker, David Tschirley, Duncan Boughton, Scott Swinton, and Higino de Marrule. 2009. Can Bt Technology Reduce Poverty Among African Cotton Growers? An Ex Ante Analysis of the Private and Social Profitability of Bt Cotton Seed in Mozambique. Contributed paper for the 27th International Association of Agricultural Economics Meeting, Beijing, August 2009.

Tschirley, David L., Colin Poulton, Nicolas Gergely, Patrick Labaste, John Baffes, Duncan Boughton, Gérald Estur and Julie Dana. 2008. Institutional Diversity and Performance in African Cotton Systems: Learning from Reform in West-Central Africa and East and Southern Africa. Paper presented at the International Conference on Cotton entitled “Rationale and Evolution of Cotton Policies”, Montpelier, France, May 13 – 17, 2008.

Boughton, Duncan, David Mather, David L Tschirley, Thomas Walker, and Ellen Payongayong.

2005. Pro-Poor Rural Economic Growth for Post-Civil War Recovery: Myth or Reality in Mozambique? Accepted as a poster paper for the 26th International Association of Agricultural Economics Meeting, Brisbane, August 2006.

Walker, Thomas, Duncan Boughton, David Tschirley, Raul Pitoro and Ada Tomo. 2006. Using Rural Household Income Survey Data to Inform Poverty Analysis: An Example from Mozambique. Contributed paper presented at the 26th International Association of Agricultural Economics Meeting, Brisbane, August 2006.

Benfica, Rui M.S., David Tschirley and Duncan Boughton. 2006. Interlinked Transactions in Cash Cropping Economies: The Determinants of Farmer Participation in the Zambezi River Valley in Mozambique? Contributed paper presented at the 26th International Association of Agricultural Economics Meeting, Brisbane, August 2006.

Boughton, D., David L Tschirley, Afonso Osorio Ofiço, Higino M Marrule, and Ballard Zulu.

2003. Cotton Sector Policies and Performance in Sub-Saharan Africa: Lessons Behind the Numbers in Mozambique and Zambia. Paper presented at the 25th International Association of Agricultural Economics Meeting, Durban, August 2003.

Carrilho, João, Rui Benfica, David Tschirley and Duncan Boughton. 2002. Qual o Papel da

Agricultura Comercial Familiar no Desenvolvimento Rural e Reducção da Pobreza em Moçambique? Paper presented at the Mozambican Association of Science and Technology, Maputo, October 2002.

Boughton, D., T. Reardon and J. Wooldridge. 1999. Determinants of Diversification of

Urban Sahel Diets into Maize: A Contingent Valuation Study of Processed Maize Demand in Mali. Paper presented at the Twenty-Third International Conference of Agricultural Economists, Sacramento, California, August 10-16, 1997. Aldershot, Ashgate, pp. 317-324.

Jeje, José Jamie, Julie Howard, Paul Strasberg and Duncan Boughton. 1999. “The Potential

for Productivity Increases in Cotton and Maize Systems: The Case of Northern Mozambique.” Paper presented at the Workshop on Agricultural Transformation, Nairobi, Kenya, June 27-30, 1999.

Ricks, Donald J., T. Woods, D. Boughton and C. Lyford. “Strategic Planning with

Horticultural Crop Industries.” 1996. Paper presented at the XIII International Conference on Horticultural Economics. Published in *Acta Horticulturae*, no. 429, International Society for Horticultural Science.

Ricks, Donald J., Conrad Lyford; Timothy Woods, and Duncan Boughton. 1996. “Strategic

Planning for Improved Competitiveness With the Michigan Apple Industry.” Paper presented at the AAEA Annual Meeting, San Antonio, Texas, July 1996.

Reardon, Thomas; Valerie Kelly; B. Diagana; J. Dione; Eric W. Crawford; K. Savadogo and

D. Boughton. 1996. “Sustainable Capital-led Intensification in Sahel Agriculture: Addressing Structural Constraints After Macroeconomic Policy Reform.” Paper presented at the International Symposium on Food Security and Innovations: Successes and Lessons Learned, Stuttgart-Hohenheim, Germany, March 11, 1996.

Boughton, D., J. Staatz and J. Shaffer. 1994. Analyzing the Impact of Structural Adjustment on Commodity Subsectors: Currency Devaluation and the Maize Subsector in Mali. Paper presented at the African Studies Association Meetings, Toronto, November 1994.

Boughton, D., and J. Staatz. 1994. Using the Commodity Subsector Approach to Design Agricultural Research: The Case of Maize in Mali. Paper presented at the 22nd International Agricultural Economics Association Meetings, Harare, August 1994. Abstracted in Issues in Agricultural Competitiveness edited by Roger Rose; Carolyn Tanner and Margot A. Bellamy. IAAE Occasional Paper no. 7, 1997, p. 471.

Témé, Bino, with Ousmane Sanogo and Duncan Boughton. 1994. Le maïs dans les systèmes de production du sud du Mali: historique et perspectives. Paper presented at an international seminar “Maïs Prospère” in Cotonou, Benin, 25-28 January, and published in Production et valorisation du maïs à l’échelon villageois en Afrique de l’Ouest. CIRAD

Boughton, D., and B. Témé. 1992. Farming Systems and Markets - Combining Analytical Frameworks for the Development of Commodity Subsectors: The Case of Maize in Southern Mali. Paper presented at the 12th International Farming Systems Symposium, East Lansing, November 1992.

Boughton, D., and B.F. Mills. 1990. A Study of Farmers’ Soil Fertility Management Strategies to Inform Agronomic Research in The Gambia: An Evaluation of the Methods and Interdisciplinary Approach Employed. Paper presented at the 10th Annual Farming Systems Research-Extension Symposium, Michigan State University, October 14-17, 1990.

Boughton, D. 1990. Groundnut Market Liberalization in The Gambia: The Need for a Subsector Approach to the Design of Programs That Result in Both Efficiency and Growth. Paper presented at a Symposium on Instituting Effective Markets During the Transition to Market-Oriented Economies, MSU, August 29-30, 1990.

**4. MSU Working Paper Series. Food Security Policy (FSP) Research Papers and Policy Briefs (**downloadable from <https://www.canr.msu.edu/fsp/>**), Myanmar Agricultural Policy Support Activity Working Papers and Policy Briefs** (downloadable from <https://www.ifpri.org/program/myanmar-strategy-support-program>), **MSU International Development Working Papers (IDWP), Policy Syntheses (PS) and Staff Papers**

Myanmar Agriculture Policy Support Activity (MAPSA). 2023. Myanmar Agricultural Performance Survey (MAPS) dry season 2023: Agricultural input markets, credit and extension services. Myanmar SSP Research Note 104. Washington, DC: International Food Policy Research Institute (IFPRI).

Boughton, Duncan and Bart Minten. 2023. Myanmar Agriculture Policy Support Activity (MAPSA). 2023. Livelihood resilience and the agrifood system in Myanmar: Implications for agriculture and a rural development strategy in a time of crisis. Myanmar SSP Working Paper 42. Washington, DC: International Food Policy Research Institute (IFPRI).  <https://doi.org/10.2499/p15738coll2.136844>

Mpuuga, D., Nakijoba, S., Ogwang, A., Boughton, D., & Benfica, R. 2023. Linking crop productivity, market participation and technology use among smallholder farmers: Evidence from Uganda. [https://www.canr.msu.edu/prci/publications/PRCI%20Research%20Paper\_EPRC%20STAAARS+%20Team\_July.26.2023.pdf](https://www.canr.msu.edu/prci/publications/PRCI%20Research%20Paper_EPRC%20STAAARS%2B%20Team_July.26.2023.pdf)

Myanmar Agriculture Policy Support Activity (MAPSA). 2022. Double Jeopardy: COVID-19, coup d'etat and poverty in Myanmar. Myanmar SSP Working Paper 22. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.135954>

Boughton, Duncan, Bart Minten, Steve Haggblade, Kristi Mahrt, Derek Headey, Isabel, Lambrecht, Joey Goeb, Ben Belton, Ian Masias, Nilar Aung, Cho Cho San, David Mather. 2022. Beyond Emergency Relief: What Will It Take to Ensure a Resilient Recovery for Agriculture and the Rural Economy of Myanmar. Myanmar SSP Working Paper 14. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134978>

Boughton, Duncan, Kristi Mahrt, Joey Goeb, Bart Minten, Xinshen Diao, Cho Cho San, Nilar Aung. 2021. Myanmar's poverty and food insecurity crisis: Support to agriculture and food assistance is urgently needed to preserve a foundation for recovery. Myanmar SSP Working Paper 12. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134463>

Goeb, Joey, Duncan Boughton, A Myint Zu, Nang Lun Kham Synt. 2021. Monitoring the agri-food system in Myanmar: Maize Farmers – Monsoon Season phone surveys. Myanmar SSP Research Note 68. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134723>

Goeb, Joey, Duncan Boughton, A Myint Zu, Nang Lun Kham Synt. 2021. Monitoring the agri-food system in Myanmar: Agricultural commodity traders - September 2021 survey round. Myanmar SSP Research Note 67. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134720>

Goeb, Joey, Duncan Boughton, A Myint Zu, Nang Lun Kham Synt. 2021. Monitoring the agri-food system in Myanmar: Agricultural input suppliers - September 2021 survey round. Myanmar SSP Research Note 66. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134693>

Goeb, Joey, Duncan Boughton, A Myint Zu, Nang Lun Kham Synt. 2021. Monitoring the agri-food system in Myanmar: Agricultural commodity traders - May 2021 survey round. Myanmar SSP Research Note 58. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134462>

Goeb, Joey, Duncan Boughton, A Myint Zu, Nang Lun Kham Synt. 2021. Monitoring the agri-food system in Myanmar: Agricultural input suppliers - June 2021 survey round. Myanmar SSP Research Note 57. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134457>

Goeb, Joseph, Mywish Maredia, Khin Zin Win, Ian Masias, Isabel Lambrecht, Duncan Boughton, Bart Minten. 2021. Urban food prices under lockdown: Evidence from Myanmar's traditional food retail sector during COVID-19. Myanmar SSP Working Paper 11. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134463>

Boughton, Duncan, Simrin Makhija, Mywish Maredia, David Mather, David Megill, David Ortega, Ellen Payongayong, Lavinia Plataroti, David J. Spielman, Marja Thijssen, and Myat Thida Win. 2020. Variety Adoption and Demand for Quality Seed in the Dry Zone of Myanmar. Feed The Future Innovation Lab for Food Security Policy Research Paper 179. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/variety-adoption-and-demand-for-quality-seed-in-the-central-dry-zone-of-myanmar>

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

Goeb, Joseph; Zu, A Myint; Zone, Phoo Pye; Synt, Nang Lun Kham; Boughton, Duncan; and Maredia, Mywish K. 2020. Monitoring the impact of COVID-19 in Myanmar: Agricultural commodity traders - Synopsis of results from three survey rounds through early August 2020. Myanmar SSP Policy Note 32. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134038>

Goeb, Joseph; Synt, Nang Lun Kham; Zu, A. Myint; Boughton, Duncan; and Maredia, Mywish K. 2020. Monitoring the impact of COVID-19 in Myanmar: Agricultural input retailers - Synopsis of results from five survey rounds through late July 2020. Myanmar SSP Policy Note 31. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134032>

Goeb, Joseph; Zu, A. Myint; Synt, Nang Lun Kham; Zone, Phoo Pye; Boughton, Duncan; and Maredia, Mywish K. 2020. Monitoring the impact of COVID-19 in Myanmar: Agricultural commodity traders - Late June 2020 survey round. Myanmar SSP Policy Note 23. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133952>

Goeb, Joseph; Zu, A. Myint; Synt, Nang Lun Kham; Boughton, Duncan; and Maredia, Mywish K. 2020. Monitoring the impact of COVID-19 in Myanmar: Agricultural input retailers - Mid-June and early July 2020 survey rounds. Myanmar SSP Policy Note 22. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133949>

Goeb, J., D. Boughton, M.K. Maredia, A. M. Zu, and N. L. K. Synt. 2020. Monitoring the impact of COVID‑19 in Myanmar: Agricultural input retailers - June 2020 survey round. Myanmar SSP Policy Note 15. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133812>

Goeb, J., D. Boughton, M.K. Maredia, A. M. Zu, and N. L. K. Synt. 2020. 2020. Monitoring the impact of COVID‑19 in Myanmar: Agricultural commodity traders - May 2020 survey round. Myanmar SSP Policy Note 10. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133792>

Goeb, J., D. Boughton, and M.K. Maredia. 2020. Monitoring the impact of COVID‑19 in Myanmar: Agricultural input retailers - May 2020 survey round. Myanmar SSP Policy Note 8. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133753>

Boughton, Duncan; Goeb, Joey; Lambrecht, Isabel; Mather, David; and Headey, Derek D. 2020. Strengthening smallholder agriculture is essential to defend food and nutrition security and rural livelihoods in Myanmar against the COVID-19 threat: Elements for a proactive response. Myanmar SSP Policy Note 2. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133687>

[Jayne](https://www.canr.msu.edu/people/thomas-jayne), Thomas, [Suresh Babu](https://www.canr.msu.edu/people/suresh-babu), [Duncan Boughton](https://www.canr.msu.edu/people/boughton_d), [Sheryl Hendriks](https://www.canr.msu.edu/people/hendriks-sheryl), [Elizabeth Mkandawire](https://www.canr.msu.edu/people/mkandawire-elizabeth), [Ferdi Meyer](https://www.canr.msu.edu/people/meyer-ferdi), [John M. Staatz](https://www.canr.msu.edu/people/staatz_john), [Saweda Liverpool-Tasie](https://www.canr.msu.edu/people/liverpool_tasie), [Eric Crawford](https://www.canr.msu.edu/people/crawford_eric_w), [Paul Dorosh](https://www.canr.msu.edu/people/dorosh-paul), and [Kimsey Savadogo](https://www.canr.msu.edu/people/savadogo-kimsey). 2019. FSP Synthesis Report IV: Building Locally Led Agricultural Policy Analysis Capacity: Lessons from Experience in Developing Countries. East Lansing: Michigan State University.

[Jayne](https://www.canr.msu.edu/people/thomas-jayne), Thomas, [Suresh Babu](https://www.canr.msu.edu/people/suresh-babu), [Duncan Boughton](https://www.canr.msu.edu/people/boughton_d), [Sheryl Hendriks](https://www.canr.msu.edu/people/hendriks-sheryl), [Elizabeth Mkandawire](https://www.canr.msu.edu/people/mkandawire-elizabeth), [Ferdi Meyer](https://www.canr.msu.edu/people/meyer-ferdi), [John M. Staatz](https://www.canr.msu.edu/people/staatz_john), [Saweda Liverpool-Tasie](https://www.canr.msu.edu/people/liverpool_tasie), [Eric Crawford](https://www.canr.msu.edu/people/crawford_eric_w), [Paul Dorosh](https://www.canr.msu.edu/people/dorosh-paul), and [Kimsey Savadogo](https://www.canr.msu.edu/people/savadogo-kimsey). 2019. FSP Policy Brief: Building Locally Led Agricultural Policy Analysis Capacity: Lessons from Experience in Developing Countries. East Lansing: Michigan State University.

Boughton, Duncan, and Su Su Win. Agricultural Research Capacity and Extension Linkages in Myanmar. 2019. Feed The Future Innovation Lab for Food Security Policy Research Paper 131. East Lansing: Michigan State University <https://www.canr.msu.edu/resources/agricultural-research-capacity-and-extension-linkages-in-myanmar-assessment-and-recommendations>

Stads, Gert-Jan; San, Cho Cho; Khing, Aeintjue Kay; Omot, Norah; Pham, Nguyen Thi; Nin-Pratt, Alejandro; Boughton, Duncan; Win, Su Su; and Kyi, Thanda. 2019. Myanmar. ASTI Country Brief November 2019. Washington, DC: International Food Policy Research Institute (IFPRI); Asia-Pacific Association of Agricultural Research Institutions; Ministry of Agriculture, Livestock and Irrigation. <https://ebrary.ifpri.org/digital/collection/p15738coll2/id/134053>

Boughton, Duncan, Steven Haggblade, and Paul Dorosh, 2018. The Challenge of Export-led Agricultural Growth with Monopsonistic Markets: The Case of Myanmar’s Pulse Sector and Trade with India, Feed the Future Innovation Lab for Food Security Policy Research Paper 105. East Lansing: Michigan State University.

Boughton, Duncan, Nilar Aung, Ben Belton, Mateusz Filipski, David Mather, and Ellen Payongayong, 2018. Myanmar’s Rural Economy: A Case Study in Delayed Transformation, [*Feed the Future Innovation Lab for Food Security Policy Research Paper 104*](http://foodsecuritypolicy.msu.edu/resources/myanmars_rural_economy_a_case_study_in_delayed_transformation)*.* East Lansing: Michigan State University.

Mather, David, Nilar Aung, Ame Cho, Zaw Min Naing, Duncan Boughton, Ben Belton, Kyan Htoo and Ellen Payongayong. 2018. Crop Production and Profitability in Myanmar’s Dry Zone. Feed the Future Innovation Lab for Food Security Research Paper 102. East Lansing: Michigan.

Belton, Ben, Aung Hein, Kyan Htoo, L. Seng Kham, Ulrike Nischan, Thomas Reardon, Duncan Boughton. 2015. [Aquaculture in Transition: Value Chain Transformation, Fish and Food Security in Myanmar](http://fsg.afre.msu.edu/fsp/burma/IDWP_140_Myanmar_Aquaculture_Value_Chain_Study_Report_FINAL.pdf). MSU International Development Working Paper 140. East Lansing, MI: December.

Haggblade, Steven J., Longabaugh, Steven L., Boughton, Duncan H., Dembele, Nango, Diallo, Boubacar, Staatz, John M., Tschirley, David L. 2012. "Staple Food Market Sheds in West Africa." MSU International Development Working Paper No.121 East Lansing, MI: February.

Mather, David L., Boughton, Duncan H., Jayne, Thomas S. 2011. "Smallholder Heterogeneity and Maize Market Participation in Southern and Eastern Africa: Implications for Investment Strategies to Increase Marketed Food Staple Supply." International Development Working Paper 113. October.

Jayne, T.S. and Duncan Boughton. 2011. What Kind of Agricultural Strategies Lead to Broad-Based Growth: Implications For Country-Led Agricultural Investment Programs. Policy Synthesis Number 86.

Kelly, Valerie A., Boughton, Duncan H., Magen, Benjamin. 2011. “Pathways to Improved Profitability and Sustainability of Cotton Cultivation at Farm Level in Africa: An Approach to Assessing Critical Knowledge Gaps.” IDWP 112. February.

Jayne, Thomas S., Mason, Nicole, Myers, Robert J., Ferris, Jake, Mather, David L., Nicholas Sitko, Beaver, Margaret, Lenski, Natalie, Chapoto, Antony, Boughton, Duncan H. 2010. “Patterns and Trends in Food Staples Markets in Eastern and Southern Africa: Toward the Identification of Priority Investments and Strategies for Developing Markets and Promoting Smallholder Productivity Growth.” IDWP 104.

Crawford, Eric W., Boughton, Duncan H., Allen IV, James, Donovan, Cynthia, Haggblade, Steven J., Mather, David, Staatz, John M., Tschirley, David L., Weber, Michael T. 2009. "Improving Food Security in Africa: Highlights of 25 Years of Research, Capacity-Building, and Outreach." Policy Synthesis 84. October.

Crawford, Eric W., Boughton, Duncan H., Allen IV, James, Staatz, John M. 2009. "Lessons Learned from 25 Years of Food Security Research, Capacity-Building, and Outreach." MSU International Development Working Paper 101. East Lansing, MI: October.

Tschirley, David, Colin Poulton and Duncan Boughton. 2006. The Many Paths of Cotton Reform in Eastern and Southern Africa: Lessons from a Decade of Experience. International Development Working Paper 88.

Tschirley, David, Colin Poulton and Duncan Boughton. 2006. The Many Paths of Cotton Reform in Eastern and Southern Africa: Lessons from a Decade of Experience. Policy Synthesis Number 80.

Nijhoff, J.J., David Tschirley, T.S.Jayne, Gelson Tembo, Pedro Arlindo, Billy Mwiinga, James D. Shaffer, Michael Weber, Cynthia Donovan and Duncan Boughton. 2003. Coordination for Long-Term Food Security by Government, Private Sector and Donors: Issues and Challenges. Policy Synthesis Number 65.

Maredia, Mywish, Julie Howard and Duncan Boughton, with Anwar Naseem, Maria Wanzala

and Kei Kajisa. December 1999. Increasing Seed System Efficiency in Africa: Concepts, Strategies and Issues. International Development Working Paper 77.

Boughton, D., E. Crawford, J. Howard, J. Oehmke, J. Shaffer and J. Staatz. 1997. Une

approche stratégique pour la planification du programme de recherche agricole en Afrique sub-Saharienne. International Development Working Paper 49F.

Maredia, Mywish, Julie Howard and Duncan Boughton. 1997. “No Shortcuts to Progress: An

Assessment of Agricultural Research Planning and Priority Setting in Africa.” Food Security II Policy Synthesis Number 29.

Boughton, D., E. Crawford, J. Howard, J. Oehmke, J. Shaffer and J. Staatz. 1997. “Uma

Abordagem Estratégica Sobre e Planificação de Programas de Pesquisa Agrícola na África Sub-Sahariana.” Food Security II Policy Synthesis Number 8P.

Kajisa, Kei, Mywish Maredia and Duncan Boughton. 1997. “Transformation Versus

 Stagnation in the Oil Palm Industry: A Comparison Between Malaysia and Nigeria.” Michigan State University: Department of Agricultural Economics Staff Paper 97-5.

Boughton, D., E. Crawford, J. Howard, J. Oehmke, J. Shaffer and J. Staatz. 1997. Une

approche stratégique pour la planification du programme de recherche agricole en Afrique sub-Saharienne. Food Security II Policy Synthesis Number 8F.

Ricks, Donald J. Conrad Lyford; Timothy Woods, and Duncan Boughton. 1996. “Strategic

Planning for Improved Competitiveness With the Michigan Apple Industry.” Michigan State University: Department of Agricultural Economics Staff Paper 96-108

Boughton, Duncan and Bruno Henry de Frahan. 1996 “How Non-research Investments Affect

Research Impact: The Case of Maize Technology Adoption in Southern Mali.” Food Security II Policy Synthesis Number 25.

Boughton, Duncan and Bino Témé. 1996. Farming Systems and Markets-Combining

Analytical Frameworks to Accelerate Technology Adoption: The Case of Maize in Southern Mali.” Michigan State University: Department of Agricultural Economics Staff Paper 96-74.

Boughton, Duncan, John M. Staatz and Michael T. Weber. 1996. “USAID Contributes to

Building National Capacity to Strengthen Food Security: An Example for Mali.” Food Security II Policy Synthesis Number 11.

Maredia, Mywish, Duncan Boughton, Julie Howard, Daniel Karanja, Marie-Hélène Collion, Oumar Niangado and Touba Bedingar. February 1996. No Shortcuts to Progress: Case Studies of the Status and Impact of Strategic Agricultural Research Planning in Africa. East Lansing, Michigan State University: Draft IDWP Paper.

Maredia, Mywish, Julie Howard, Laura Farrelly, Kei Kajisa, Larry Rubey, Duncan Boughton, James Oehmke and James Shaffer. January 1996. Technology Frontiers and Agricultural Transformation in Sub-Saharan Africa: Concepts and Empirical Evidence. East Lansing, Michigan State University: Draft IDWP Paper.

Boughton, D., E. Crawford, J. Howard, J. Oehmke, J. Shaffer and J. Staatz. 1995. A Strategic Approach to Agricultural Research Program Planning in Sub-Saharan Africa. East Lansing, Michigan State University: IDWP No.49.

Boughton, Duncan, John M. Staatz and James D. Shaffer. 1994. “From Pilot Study to

Commodity Subsector Economics Program: Institutionalizing a Market-Oriented Approach to Agricultural Research in Mali.” Michigan State University: Department of Agricultural Economics Staff Paper 94-74.

Boughton, Duncan, John M. Staatz and James D. Shaffer. 1994. “Analyzing the Impact of

 Structural Adjustment on Commodity Subsectors: Currency Devaluation and the Maize Subsector in Mali.” Michigan State University: Department of Agricultural Economics Staff Paper 94-71.

Boughton, D., B. Témé, O. Sanogo, J. Staatz, T. Reardon and E. Crawford. 1994. Development Strategies for Maize in Mali: Using a Commodity Subsector Perspective to Increase the Impact of Agricultural Research and Development. East Lansing, Michigan State University: Draft IDWP.

Boughton, D., and B. Henry de Frahan. 1994. Agricultural Research Impact Assessment: The Case of Maize Technology Adoption in Southern Mali. East Lansing, Michigan State University: IDWP No.41.

Ndoye, Ousseynou, Duncan Boughton and Eric Crawford. 1991. Cereal Pricing in Senegal: Synthesis of Selected Studies since the New Agricultural Policy. Department of Agricultural Economics Staff Paper No. 91-37

Boughton, D., E. Crawford, M. Krause, and B. Henry de Frahan. 1990. Economic Analysis of On-Farm Trials: A Review of Approaches and Implications for Research Program Design. East Lansing, Michigan State University: Department of Agricultural Economics Staff Paper No. 90-78.

**5. National agricultural research program reports Part 1: Mozambique**

Zavale, Helder, Mlay, Gilead I., Boughton, Duncan H., Chamusso, Adriano, Gemo, Helder, Chilunda, Pius. 2011. "A Estrutura e Tendencia da Despesa Publica em Mocambique." Direccao de Economia Working Paper 70. Maputo: Ministry of Agriculture, December.

Mather, David, Benedito Cunguara and Duncan Boughton. 2008. Household Income and Assets in Rural Mozambique, 2002 – 2005: Can Pro-Poor Growth Be Sustained? MINAG Directorate of Economics Research Paper 66E.

Boughton, Duncan, David Mather, David Tschirley, Tom Walker, Benedito Cunguara, and Ellen Payongayong. 2006. What’s Driving Mozambique’s Rural Income Growth? A Comparative Analysis of the 1996 and 2002 National Agricultural Sample Surveys. MINAG Directorate of Economics Research Paper 61E.

Benfica, R., A. Miguel, J. Zandemela, N. de Sousa, D. Boughton, D. Tschirley and H. de Marrule. 2004. How to Avoid Killing the Chicken that Lays the Golden Eggs: An Analysis of the Potential Impacts of An Export Tax on Raw Tobacco in Mozambique. MADER Dircetorate of Economics Policy Brief (Flash) 42E.

Walker, T., D. Tschirley, J.Low, M. Tanque, E.Payongayong, D.Boughton and M.Weber. 2004. Determinants of Rural Income, Poverty, and Perceived Well-being in Mozambique 2001-2002. MADER Directorate of Economics Research Paper 57E.

Carrilho, Joao, Rui Benfica, David Tschirley, and Duncan Boughton. 2003. *Qual o Papel da Agricultura Familiar Comercial no Desenvolvimento Rural e Redução da Pobreza em Moçambique.* Research Report 53P

Boughton, Duncan, David Tschirley, Osorio Ofico, and Higino de Marrule. 2002. *Cotton Sector Policies and Performance in Sub-Saharan Africa: Lessons Behind the Numbers in Mozambique and Zambia.* Volume 34E.

Low, Jan, Duncan Boughton, Higino de Marrule, Paulo Mole and Jaquelino Massingue. 2002. *O Desafio do Salário Mínimo: Considerações Teóricas e Práticas.* MADER/Direcção Economia Research Report 49P.

Pitoro, Raúl, Higino de Marrule, Olívia Govene, Duncan Boughton e David Tschirley. 2002. *Porque é que o “Ouro Branco”não está a Gerar Riqueza? Caminhos para Torná-lo de Novo numa Cultura Rentável.* MADER/Direcção Economia “Flash” Volume 30P.

Pitoro, Raúl, Olivia Govene, Higino de Marrule, David Tschirley and Duncan Boughton. 2001. *Desempenho do Sector Algodoeiro ao Nível da machamba em Nampula: Situação Actual e Perspectivas para o seu Melhoramento* MADER/Direcção Economia Research Report 47P.

Rohrbach, David D., Jan Low , Raúl Pitoro, Alfredo Cucu, Jaquelino Massingue, Duncan Boughton, Guilhermina Rafael, Antonio Paulo, and Domingos Jocene. 2001. *Constrangimentos e Estratégias para o Desenvolvimento do Sistema de Sementes em Moçambique.* MADER/Direcção Economia Research Report 44P.

Rohrbach, David D., Jan Low , Raúl Pitoro, Alfredo Cucu, Jaquelino Massingue, Duncan Boughton, Guilhermina Rafael, Antonio Paulo, and Domingos Jocene. 2001. *Investment Priorities for the Development of the Seed System in Mozambique.* MADER/Economics Directorate Research Report 44.

Howard, Julie, Jan Low, José Jaime Jeje, Duncan Boughton, Jaquelino Massingue and Mywish Maredia. 2001. *Constrangimentos e Estratégias para o Desenvolvimento do Sistema de Sementes em Moçambique.* MADER/Direcção Economia Research Report 43P.

Howard, Julie, Jan Low, José Jaime Jeje, Duncan Boughton, Jaquelino Massingue and Mywish Maredia. 2001. *Constraints and Strategies for the Development of the Seed System in Mozambique.* MADER/Economics Directorate Research Report 43

Low, Jan, Higino de Marrule, Duncan Boughton and Raúl Pitoro. 2001. *A*

*Regulamentação de Comercialização da Castanha de Caju: Como Torná-la um Instrumento Revitalizador do Sub-Sector Cajueiro em Moçambique?* *.* MADER/Direcção Economia “Flash” Volume 25P.

Howard, Julie, Jaquelino Massingue, José Jaime Jeje, David Tschirley, Duncan Boughton and Alexandre Serrano. 2000. *Observações e Lições Emergentes do Programa de Milho com Insumos na Época 1998/99 na Província de Nampula, Moçambique.* *.* MADER/Direcção Economia “Flash” Volume 22P.

Howard, Julie, Jaquelino Massingue, José Jaime Jeje, David Tschirley, Duncan Boughton and Alexandre Serrano. November 2000. *Observations and Emerging Lessons from the 1998/99 High-Input Maize Program in Nampula Province, Mozambique.* MADER/Economics Directorate “Flash” Volume 22E.

Howard, Julie, José Jaime Jeje, Valery Kelly and Duncan Boughton. 2000. *Comparing Yields and Profitability in MARD’s High- and Low-Input Maize Program.* MADER/Economics Directorate “Flash” Volume 21E.

Howard, Julie, José Jaime Jeje, Valerie Kelly and Duncan Boughton. 2000. *Comparing Yields and Profitability in MARD’s High- and Low-Input Maize Program: 1997/98 Survey Results and Analysis.* MADER/Economics Directorate Research Report No. 39.

**6. National agricultural research program reports Part 2: Mali**

Staatz, John M., Kelly, Valerie A., Boughton, Duncan H., Dembele, Niama N., Sohlberg, Miriam, Berthé, Abdrahmane, Skidmore, Mark, Diarrah, Cheick O., Murekezi, Abdoul, Richardson, Robert B., Brent, Simpson, Perakis, Sonja, Diallo, Amadou S., Adjao, Ramziath, Sako, Mariam, Me-Nsopé, Nathalie. 2011. "Mali Agricultural Assessment, 2011." April.

Boughton, Duncan H., Dembele, Niama N., Kelly, Valerie A., Staatz, John M. 2010. “Achieving Food Security in Mali: Key Issues and Investment Needs.” June.

Boughton, Duncan H., Dembele, Niama N., Kelly, Valerie A., Staatz, John M. 2010. “Atteinte de la Securite Alimentaire au Mali: Enjeux et Besoins d’Investissements.” June.

Boughton, Duncan H., Staatz, John M., Dembele, Niama N. 2010. “Les Defis de la Securite Alimentaire au Mali: Apercu Geral.” June.

Boughton, Duncan H., Kelly, Valerie A. 2010. “Mali’s Agricultural Sector: Trends and Performance.” June.

Boughton, Duncan H., Staatz, John M., Dembele, Niama N. 2010. “Mali’s Food Security Challenges: An Overview.” June.

Boughton, Duncan H., Kelly, Valerie A. 2010. “Secteur Agricole du Mali: Evolution et Performance.” June.

Boughton, D., and O. Sanogo. 1994. Analysis of Household Cereal Procurement in Bamako: Implications of the Devaluation of the FCFA for Urban Food Security. Maize Subsector Study Information Note 5. Bamako: Institut d’Economie Rurale, Ministère du Développement Rurale. (Original version in French).

Sanogo, O., I. Goïta, and D. Boughton. 1993. Evaluation de la Composante Technologie Alimentaire et l’Extension des Enquêtes de Consommation des Céréales Sèches à Bamako. Maize Subsector Study Information Note 4. Bamako: Institut d’Economie Rurale, Ministère du Développement Rurale.

Sanogo, O., I. Goïta, N. Dembélé, and D. Boughton. 1993. Composante Technologie Alimentaire et Perspectives sur la Transformation des Céréales Sèches. Maize Subsector Study Information Note 3. Bamako: Institut d’Economie Rurale, Ministère du Développement Rurale.

Boughton, D., O. Sanogo, B. Témé, and I. Goïta. 1993. Etude Filière Maïs: Stratégie pour la Composante Technologie Alimentaire. Maize Subsector Study Information Note 2. Bamako: Institut d’Economie Rurale, Ministère du Développement Rurale et de l’Environnement.

Témé, B. and D. Boughton. 1993. Charactéristiques des Unités Alimentaires du District de Bamako et Place du Maïs dans les Habitudes de Consommation. Bamako: Institut d’Economie Rurale, Ministère du Développement Rural et de l’Environnement.

Témé, B., and D. Boughton. 1992. Déroulement de l’Enquête sur les Charactéristiques et les Habitudes de Consommation des Unités Alimentaires du District de Bamako et Organisation du Suivi et des Tests de Produits a base de Maïs. Maize Subsector Study Information Note 2. Bamako: Institut d’Economie Rurale, Ministère du Développement Rurale et de l’Environnement.

Témé, B. and D. Boughton. 1992. Etude sur la Filière Maïs: Reconnaissance Rapide et Matrice de Planification des Recherches Approfondies. Serie Recherches Collaboratives. Document de Travail No. 1. Bamako: Institut d’Economie Rurale (DPAER) and Institut du Sahel (PRISAS).

Témé, B., and D. Boughton. 1992. Analyse Préliminaire sur la Filière Maïs et Principales Interrogations. Bamako: Institut d’Economie Rurale, Ministère de l’Agriculture, de l’Elevage et de l’Environnement. Paper presented at the Farming Systems and Agricultural Economics Technical Committee.

**7. National agricultural research program reports Part 3: The Gambia**

Boughton, D., and J. Novogratz. 1989. The Gambia Women in Development Project Agricultural Component. Project conception report submitted to the World Bank.

Mills, B., M. Kabay and D. Boughton. 1988. Soil Fertility Management Strategies in Three Villages of Eastern Gambia. Gambian Agricultural Research Paper No. 2, Dept. of Agricultural Research, The Gambia.

Boughton, D., M. Kabay and B. Mills. 1987. Findings of a Rapid Village Appraisal of Farmers’ Soil Fertility Management Strategies in the Kuntaur and Giroba Cluster Areas. Gambia Agricultural Research Working Paper No. 4, Dept. of Agricultural Research, The Gambia.

Boughton, D., N. Baldeh, M. Kabay, J. Kristenssen, and P. O’Neil. 1987. Adoption of Recommended Technology and factors Affecting Yield Performance on Farmers’ Groundnut Fields, 1986 Wet Season. in Dept. of Agricultural Research Annual Report 1985 and 1986, Ministry of Agriculture, The Gambia.

Boughton, D. 1985. A Review of Alternative Strategies for the Production and Marketing of Replacement Groundnut Seed in The Gambia. Paper prepared for The National Seed Council Task Force on Seed Policy, Ministry of Agriculture, The Gambia.

**8. Miscellaneous publications**

Anticipate, Mitigate, Monitor: A Rapid Research Response for COVID-19 Policy Guidance in Myanmar’s Agrifood System (with J. Goeb and M. Maredia). October 2020. <https://www.canr.msu.edu/news/anticipate-mitigate-monitor-a-rapid-research-response-forcovid-19-policy-guidance-in-myanmar-s-agrifood-system>

Dorward, Andrew, Chirwa, Ephraim, Boughton, Duncan H., Crawford, Eric W., Jayne, Thomas, Slater, Rachel, Kelly, Valerie A., Tsoka, Maxton. 2008. “Towards ‘smart’ subsidies in agriculture? Lessons from recent experience in Malawi.” Natural Resource Perspectives 116. London: Overseas Development Institute (ODI), September.

Freeman, H.A., S.N. Nigam, T.G. Kelley, B.R. Ntare, P. Subrahmanyam and D. Boughton. 1999. The World Groundnut Economy: Facts, Trends and Outlook. Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute for the Semi-Arid Tropics.

Ricks, Donald J., and D. Boughton. 1996. Apple Varieties in Michigan and Washington. Great

Lakes Fruit Growers News, v. 35, no.5 (May 1996).

Boughton, D., M. Fall, H. Mahl, O. Serrant, B. de Tollenaere, and J. Vuurmans. 1982. The Farming System in the Serer Area of Senegal. ICRA, Wageningen, The Netherlands.

***Graduate Student Advising***

Kyu Kyu Thin (M.S. Student), Thesis committee member. Completed.

Myat Thida Win (M.S. Student) Guidance committee member. Completed.

Kyan Htoo (PhD Student, Massey University), Guidance committee member. Completed.

Myat Thida Win (M.S. Student), Guidance committee member. Completed.

Rui Benfica (PhD Student), Guidance committee member. Completed.

Jeffrey Bloem (M.S. Student), Guidance committee chair. Completed.

Jennifer Cairns (M.S. Student), Guidance committee member. Completed.

Benedito Cunguara (M.S. Student), Thesis/Plan B research supervisor. Completed.

Amadou Diallo (M.S. Student), Thesis/Plan B committee member. Completed.

Alda Tomo (M.S. Student), Thesis/Plan B committee member. Completed.

Ayala Wineman (M.S. Student), Guidance committee member. Completed.

Aissatou Ouedraogo (Ph.D. Student) Guidance committee member thru Dec 2013. Completed.

Helder Zavale (Ph.D. Student), Guidance committee member. Completed.