WILLIAM A. MASTERS

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Professor, Friedman School of Nutrition Science and Policy, Tufts University

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EDUCATION

Stanford University, PhD (1991) in Applied Economics at the Food Research Institute Yale University, BA (1984) in Economics and Political Science Deep Springs College (1979-81), course credits transferred

EMPLOYMENT

Tufts University

Professor (from 7/10) Friedman School of Nutrition Science and Policy, with a secondary appointment (from 9/13) in the Department of Economics.

Chair (7/11-9/14), Food and Nutrition Policy Department at the Friedman School.

Research focus: Food policy and agricultural development, technology and markets

Courses taught: Economics for food & nutrition policy (2011-), Food economics (2015)

Purdue University

Professor (4/02-6/10), Assoc. Prof. (7/96-4/02); Asst Prof. (12/91-7/96)

Associate Head, Department of Agricultural Economics (2/07-6/10)

Research focus: Food policy and agricultural development, technology and markets

Courses taught: Agric. development, trade and policy (grad & undergrad, 1992-2010)

Columbia University (9/03-8/04)

Visiting Professor, School of International and Public Affairs

Interim Executive Director, Center on Globalization and Sustainable Development

Led diversified social-science research program (8 staff, 20 affiliates)

Instructor/creator of new course on food and agriculture in development

Harvard University (1/2000 – 12/2000)

Visiting Scholar, Center for International Development

Stanford University (1985-1991)

Graduate Fellow, Teaching and Research Assistant in the Food Research Institute

University of Zimbabwe, Harare, Zimbabwe (1988-1990)

Research Associate and part-time lecturer

International Food Policy Research Institute, Washington DC (1987)

Research Assistant

Mavhudzi Government Secondary School, Nyazura, Zimbabwe (1985)

Teacher, English Department

COLANTA Dairy Cooperative, Medellin, Colombia (1983)

Intern in Technical Assistance Department

Haitian Development Foundation, Port-au-Prince, Haiti (1981)

Intern in Head Office Staff

PROFESSIONAL AWARDS

Fellow of the Agricultural & Applied Economics Association (AAEA), 2020

Quality of Research Discovery Award of the Ag. & Applied Econ. Assoc. (AAEA), 2019

Publication of Enduring Quality Award of the AAEA, 2014

Bruce Gardner Memorial Prize for Applied Policy Analysis of the AAEA, 2013

International Fellow of the African Agricultural Economics Association, 2010

Gamma Sigma Delta Research Award of Merit at Purdue University, 2007

Fulbright Dissertation Research Grant, 1988-90

Stanford Graduate Fellowship, 1985-88

Harry S. Truman Scholarship, awarded 1981

PROFESSIONAL SERVICE AND HONORARY APPOINTMENTS

Elected member, Tufts University Faculty Senate (2017-20), Secretary (2018-20)

Chair, International Section, AAEA, 2018-19

Member, Publications Committee, AAEA, 2017-present

External Member, IFPRI Institutional Review Board, 2015-18

Editorial Board, Global Challenges: Food, Agriculture and Nutrition, 2015-present

Editorial Board, Global Food Security, 2014-present

External Examiner, Collaborative MSc in Ag. & Applied Econ. (CMAAE), 2010-present

Member, Sustainable Agriculture and Food Systems thematic group, SDSN, 2013-present

Member and Chair, Communications and Publications Ctee., AAEA, 2012-2015

Chair, Food Safety and Nutrition Section, AAEA, 2013-2014

Cochair, FSIN Technical Working Group on Measuring Food & Nutrition Security, 2015-16

Agriculture Network, International Growth Center (Oxford and London), 2009-14

Co-Editor, Agricultural Economics, 2007-2011 (with Gerald Shively)

Board of Trustees, Deep Springs College, 2002-2011(chair, Academic Affairs ctee.)

Scientific Adviser, International Foundation for Science (Stockholm), 2002-2009

Advisory Ctee., Partnership to Cut Hunger in Africa (Washington, DC), 2001-2008

Experts Ctee., Chicago Initiative on Global Agricultural Development, 2008-2009

Advisory Ctee., Global Entrepreneurship X-Prize (Santa Monica, CA), 2007-2008

Chair, PhD prelim exams committee (Dept. of Ag. Econ., Purdue), 2005-07

AAEA awards subcommittee for the Publication of Enduring Quality Award, 2002-2005

Research Fellow, Global Trade Analysis Project (Purdue University), 1999-2005

Contributing author for the UN Millennium Ecosystem Assessment, 2002-04

Member, Network of IFPRI Associates (Washington, DC), 2000-2002

LANGUAGES

Fluent French, some Spanish

PUBLICATIONS BOOKS

Norton, G., Alwang J., **W.A. Masters**, *Economics of Agricultural Development* (3nd ed. 2014). New York: Routledge. (See review of 1st ed. in ERAE; 4th ed. forthcoming in 2021)

- Anderson, K. (eds.) and **W.A. Masters,** *Distortions to Agricultural Incentives in Africa* (2009). Washington DC: The World Bank.
- W.A. Masters Government and Agriculture in Zimbabwe (1994). Westport CT: Praeger.
- Lewis, M. and **W.A. Masters**, *Better English: A Handbook of Common Errors* (1987). Harare, Zimbabwe: Longman.

REFEREED JOURNAL ARTICLES

(italicized coauthors = students at time of writing)

- *Bai*, Y., E. Naumova and **W.A. Masters**, 2020. Seasonality in diet costs reveals food system performance in East Africa. *Science Advances*, in press (embargo to Dec 4th,2020).
- *Bai*, Y., R. Alemu, S.A. Block, D. Headey, and **W.A. Masters**, 2020. Cost and affordability of nutritious diets at retail prices: Evidence from 177 countries. *Food Policy*, e101983.
- Finaret, A.B. and **W.A. Masters,** 2020. Can shorter mothers have taller children? Nutritional mobility, health equity and the intergenerational transmission of relative height. *Economics & Human Biology*, e100928.
- Wang, J., W.A. Masters, Y. Bai, D. Mozaffarian, E.N. Naumova and G.M. Singh, 2020. The International Diet-Health Index: a novel tool to evaluate diet quality for cardiometabolic health across countries. *BMJ Global Health*, 5(7): e002120.
- Hirvonen, K., Y. Bai, D. Headey and **W.A. Masters**, 2020. Affordability of the EAT–Lancet reference diet: a global analysis. *Lancet Global Health*, 8(1): e59-e66.
- Singh, P. and **W.A. Masters**, 2020. Performance bonuses in the public sector: Winner-take-all prizes versus proportional payments to reduce child malnutrition in India. *J. of Dev. Econ.*, 146: 102295.
- Cason, T.N., **W.A. Masters**, and R.M. Sheremeta, 2020.Winner-take-all and proportional-prize contests: theory and experimental results. *J. of Econ. Behavior and Org.*, 175: 314-327.
- Choudhury, S., D. Headey and **W.A. Masters**, 2019. First foods: Diet quality among infants aged 6–23 months in 42 countries. *Food Policy*, 88:101762.
- Finaret, A.B. and **W.A. Masters**, 2019. Beyond calories: The new economics of nutrition. *Annual Rev. of Res. Econ.*, 11: 14.1-23.
- Finaret, A.B and **W.A. Masters**, 2019. Correcting for artifactual correlation between misreported month of birth and attained height-for-age reduces but does not eliminate measured vulnerability to season of birth in poorer countries. *Am. J. of Cl. Nutr.*, 110(2): 485–497.
- Larsen, A.F., D.D. Headey and **W.A. Masters**, 2019. Misreporting month of birth: Diagnosis and implications for research on nutrition and early childhood in developing countries. *Demography*, 56(2): 707-29.

Schneider, K. and W.A. Masters, 2019. Orange Fanta versus orange fruit: A novel measure of nutrition knowledge in Malawi. *Maternal & Child Nutr.*, 15(1): e12656.

- **Masters, W.A.**, *Y. Bai*, A. Herforth, D. Sarpong, F. Mishili, J. Kinabo and J.C. Coates, 2018. Measuring the affordability of nutritious diets in Africa: Price indexes for diet diversity and the cost of nutrient adequacy. *Am. J. of Ag. Econ.*, 100(5): 1285-1301.
- **Masters, W.A.**, *N.Z. Rosenblum* and *R.G. Alemu*, 2018. Agricultural transformation, nutrition transition and food policy in Africa: Preston Curves reveal new stylized facts. *J. of Dev. Studies*, 54(5): 788-802.
- Harding, K.L., V.M Aguayo, **W.A. Masters**, and P. Webb, 2018. Education and micronutrient deficiencies: an ecological study exploring interactions between women's schooling and children's micronutrient status, *BMC Pub. Health*, 18(1): 470.
- **Masters, W.A.** et al. for the Global Nutrition and Policy Consortium, 2018. Designing programs to improve diets for maternal and child health: Costs and impacts of nutrition-sensitive programs in Ethiopia, Nigeria, and India, *Health Policy & Planning*, 33(4): 564-573.
- **Masters, W.A.** et al. for the Global Nutrition and Policy Consortium, 2017. Priority interventions to improve maternal and child diets in Sub-Saharan Africa and South Asia. *Mat. & Child Nutrition*, 14(2): e12526.
- Singh, P. and **W.A. Masters**, 2017. Impact of caregiver incentives on child health: evidence from an experiment with Anganwadi workers in India, *J. of Health Econ.*, 55(Sept.): 219-231.
- Finaret, A.B. and W.A. Masters, 2017. Nutrition smoothing: Can proximity to towns and cities protect rural children against seasonal variation in agroclimatic conditions at birth? *PLOS ONE*, 12(1): e0168759.
- **Masters, W.A.**, *M. Nene*, and *W. Bell*, 2016. Nutrient composition of premixed, packaged complementary foods for sale in developing countries: Lack of standards threatens infant growth. *Mat. & Child Nutr.*, 13(4): e12421 [preprint] (NY Times)
- **Masters, W.A.**, *A. Hall, E. Martinez*, P. Shi, G. Singh, P. Webb, and D. Mozaffarian, 2016. The nutrition transition and agricultural transformation: A Preston Curve approach. *Ag. Econ.*, 47(S1): 97–114. [preprint]
- *Mulmi, P.*, S.A. Block, G.E. Shively, and **W.A. Masters**, 2016. Climatic conditions and child height: Sex-specific vulnerability and the protective effects of sanitation and food markets in Nepal. *Econ. & Human Bio.*, 23: 63-75.
- Urban, L.E., J.L. Weber, M.B. Heyman, R.L. Schichtl, S. Verstraete, N.S. Lowery, S.K. Das, M.M. Rogers, C. Economos, **W.A. Masters**, and S.B. Roberts. Energy contents of frequently ordered restaurant meals. *J. of the Academy of Nutr. and Dietetics*, 116 (4): 590-598.
- Finaret Darrouzet-Nardi, A., W.A. Masters, 2015. Urbanization, market development and malnutrition in farm households: evidence from the Demographic and Health Surveys, 1986–2011. Food Security, 7(3): 521-533.
- Oehmke, J. et al., Agricultural policy for improved nutrition in Africa and Asia: Evidence to guide the US Government's investments in food security. *Food Security*, 7(3): 747-750. [preprint]

McMillan M., W.A. Masters, and H. Kazianga, 2014. Disease control, demographic change and institutional development in Africa. *J. of Dev. Econ.* 110: 313-26. [preprint]

- *Motamed, M.*, **W.A. Masters**, and R.J.G.F. Florax, 2014. Agriculture, transportation and the timing of urbanization. *J. of Econ. Growth*, 19(3): 339-368. [preprint]
- Webb, P., J. Griffths, **W.A. Masters**, and R. Deckelbaum, 2014. Agriculture, nutrition, and health in global development: typology and metrics for integrated interventions and research. *Annals of the New York Academy of Sciences*, 2(1):258-269. [preprint]
- Chibwana, C., G. Shively, **W.A. Masters**, M. Fisher, and C. Jumbe, 2014. Measuring the Impacts of Malawi's Farm Input Subsidy Programme. *African J. of Ag. and Res. Econ.*, 9(2): 132-147. [article]
- **Masters, W.A.** et al., 2013. Urbanization and Farm Size in Asia and Africa: Implications for Food Security and Agricultural Research. *Global Food Security*, 2(3), 156-165. [preprint]
- Block, S.A., **W.A. Masters**, and P. Bhagowalia, 2012. Does Child Undernutrition Persist Despite Poverty Reduction in Developing Countries? Quantile Regression Results. *J. of Dev. Stud.*, 48(2): 1699-1715. [preprint]
- Ngleleza, G., W.A. Masters, and R. Florax, 2011. Spatial Inequality: Overcoming Neighborhood Effects in Africa. Applied Econometrics and Intl. Dev., 11(2): 165-190.
- Bhagowalia, P., W.A. Masters, and S. Chen, 2011. Effects and Determinants of Mild Underweight among Preschool Children across Countries and Over Time. Econ. & Human Bio., 9(1): 66-77.
- Cason, T., **W.A. Masters**, and *R. Sheremeta*, 2010. Entry into Winner-Take-All and Proportional-Prize Contests: An Experimental Study. *J. Pub. E.*, 94(9-10): 604-611.
- **Masters, W.A.** and G. Shively, 2008. Introduction to the Special Issue on the World Food Crisis. *Ag. Econ.*, 39(3s): 373-374.
- **Masters, W.A.**, 2008. Beyond the Food Crisis: Trade, Aid and Innovation in African Agriculture. *African Tech. Dev. Forum*, 5(1-2): 3-13.
- Shively, G., W.A. Masters, and R. Yao, 2007. How Successful Are Government Interventions in Food Markets? Insights from the Philippine Rice Market. *Philippine J. of Dev.*, 34(1b): 35-59.
- Humphreys, M., W.A. Masters, and M. Sandbu, 2006. The Role of Leadership in Democratic Deliberations: Results from a Field Experiment in Sao Tome and Príncipe. *World Politics* 58(4): 583-622.
- *Johnson, M.E.*, **W.A. Masters**, and P.V. Preckel, 2006. Diffusion and Spillover of New Technology: A Heterogeneous-Agent Model for Cassava in West Africa. *Ag. Econ.*, 35(2): 119-129.
- **Masters, W.A.** and *H. Kazianga*, 2006. Property Rights, Production Technology and Deforestation: Cocoa in Cameroon. *Ag. Econ.*, 35(1): 19-26.
- **Masters, W.A.**, 2005. Paying for Prosperity: How and Why to Invest in Agricultural Research and Development in Africa. *J. of Intl. Affairs*, 58(2): 35-64.
- **Masters, W.A.** and *J. Edwin*, 2005. Genetic Improvement and Cocoa Yields in Ghana. *Experimental Agriculture*, 41(4): 491-503.

- **Masters, W.A.**, 2005.Research Prizes: A New Kind of Incentive for Innovation in African Agriculture. *Intl. J. of Biotech*, 7(1/2/3): 195-211.
- **Masters, W.A.** and *M. Johnson*, 2004. Complementarity and Sequencing of Innovations. *Econ. of Innovation and New Tech.*, 13(1): 19-31.
- **Masters, W.A.**, 2003. Research Prizes: A Mechanism to Reward Agricultural Innovation in Low-Income Regions. *Ag. Bio. Forum*, 6(1&2): 71-74.
- **Masters, W.A.** and M.S. McMillan, 2003. An African Growth Trap: Production Technology and the Time-Consistency of Agricultural Taxation, R&D and Investment. *Rev. of Dev. Econ.*, 7(2): 179-191.
- *Chiremba*, *S.* and **W.A. Masters**, 2003. The experience of resettled farmers in Zimbabwe. *African Studies Quarterly* 7(2-3).
- **Masters, W.A.** and *H. Kazianga*, 2002. Investing in Soils: Field Bunds and Microcatchments in Burkina Faso. *Env. and Dev. Econ.*, 7(3): 571-591.
- **Masters, W.A.** and *D. Sanogo*, 2002. Welfare Gains from Quality Certification of Infant Foods: Results from a Market Experiment in Mali. *Am. J. of Ag. Econ.*, 84(4): 974-989.
- Sanogo, D. and W.A. Masters, 2002. A Market-Based Approach to Child Nutrition: Mothers' Demand for Quality Certification of Infant Foods in Bamako, Mali. Food Policy, 27(3): 251-268.
- Martinez, E.A.C., G.E. Shively, and W.A. Masters, 2002. Testing the Link between Public Intervention and Food Price Variability: Evidence from Rice Markets in the Philippines. *Pacific Econ. Rev.*, 7(3): 545-554.
- **Masters, W.A.** and M.S. McMillan, 2001. Climate and Scale in Economic Growth. *J. of Econ. Growth*, 6(3): 167-186.
- McMillan, M.S. and **W.A. Masters**. 2000. Understanding the Political Economy of Agriculture in the Tropics. *Am. J. of Ag. Econ.*, 82(3): 738-42.
- Masters, W.A., R. Davies, and T.W. Hertel, 2000. L'Europe, L'Afrique du Sud, et l'Afrique Australe: Intégration Régionale dans un Contexte Mondial. *Revue d'Economie du Developpement*, 3: 113-134.
- *Fisher*, *M.G.*, **W.A. Masters**, and M. Sidibé, 2000. Technical change in Senegal's irrigated rice sector: impact assessment under uncertainty. *Ag. Econ.*, 24(2): 179-197.
- Fisher, M.G., and R. Warner, and W.A. Masters, 2000. Gender and Agricultural Change: Crop-Livestock Interaction in Senegal. Soc. and Nat. Res., 13(3): 203-222.
- Hertel, T.W., **W.A. Masters**, and *A. Elbehri*, 1998. The Uruguay Round and Africa: A Global, General Equilibrium Analysis. *J. of African Econ.*, 7(2): 208-234.
- **Masters, W.A.** and *E. Ianchovichina*, 1998. Measuring Exchange Rate Misalignment: Inflation Differentials and Domestic Relative Prices. *World Dev.*, 26(3): 465-77.

Dalton, T.J. and **W.A. Masters**, 1998. Pasture Taxes and Agricultural Intensification in Southern Mali. *Ag. Econ.*, 19(1-2): 27-32.

- **Masters, W.A.**, T. Bedingar and J.F. Oehmke, 1998. The Impact of Agricultural Research in Africa: Aggregate and Case Study Evidence. *Ag. Econ.* 19(1-2): 81-86.
- *Mwanaumo*, A.. **W.A. Masters**, and P.V. Preckel, 1997. Spatial Analysis of Maize Market Policy Reform in Zambia. *Am. J. of Ag. Econ.*, 79(2): 514-23.
- *Dalton, T.J.*, **W.A. Masters**, and K.A. Foster, 1997. Production Costs and Input Substitution in Zimbabwean Agriculture. *Ag. Econ.*, 17 (2-3): 201-209.
- **Masters, W.A.** and A. Winter-Nelson, 1995. Measuring the Comparative Advantage of Agricultural Activities: Domestic Resource Costs and the Social Cost-Benefit Ratio. *Am. J. of Ag. Econ.*, 77(2): 243-250.
- Ahmed, M.M., W.A. Masters, and J.H. Sanders, 1995. Returns from Research in Economies with Policy Distortions: Hybrid Sorghum in Sudan. *Ag. Econ.* 12: 183-192.
- **Masters, W.A.**, 1993. Measuring Protection in Agriculture: the Producer Subsidy Equivalent Revisited. *Oxford Agrarian Studies* 21(2): 133-142.
- **Masters, W.A.**, 1993. The Scope and Sequence of Grain Market Reform in Zimbabwe. *Food Res. Inst. Studies* 22(3): 227-252.
- **Masters, W.A.** and E.A. Nuppenau, 1993. Panterritorial versus Regional Pricing for Maize in Zimbabwe. *World Development* 21(10): 1647-1658.
- **Masters, W.A.**, 1991. Trade Policy and Agriculture: Measuring the Real Exchange Rate in Zimbabwe. *Quarterly J. of Intl. Ag.*, 30(1): 21-36.

CHAPTERS IN BOOKS

- Headey, D.D. and **W.A. Masters**, 2019. Agriculture for Nutrition: Direct and Indirect Effects, chapter 2 in *Agriculture for Improved Nutrition: Seizing the Momentum*, edited by S. Fan, S. Yosef and R. Pandya-Lorch. Washington, DC: CABI and IFPRI.
- Byerlee, D., **W.A. Masters**, and *D.S. Robinson*, 2017. From Land Grab to Land Development: The Past and Potential of Private Investment in Frontier Agriculture, in *Agriculture and Rural Development in a Globalizing World*, edited by P. Pingali and G. Feder. Earthscan Food and Agriculture Series. London: Routledge.
- McMillan, M.S., **W.A. Masters**, and H. Kazianga, 2016. Demographic Pressure and Institutional Change: Village-Level Response to Rural Population Growth in Burkina Faso in *African Successes*, *Volume I: Government and Institutions, edited by S.* Edwards, S. Johnson, and D.N. Weil University of Chicago Press and NBER.
- **Masters, W.A.**, 2016. Economic Causes of Malnutrition, in M. Eggerdorfer et al., eds., *Good Nutrition: Perspectives for the 21st Century*, Basel: Karger.
- **Masters, W.A.**, 2016. Child Nutrition in Economic Development, in C.P. Duggan, J.B. Watkins, B. Koletzko and W.A. Walker, eds., *Nutrition in Pediatrics*, 5th ed. PMPH-USA.

Masters, W.A., 2012. Transformational Incentives for Innovation and Aid Effectiveness: Pull Mechanisms, Contests, and Prizes, in R. Shah and S. Radelet, eds., *Frontiers in Development*. Washington, DC: USAID, pages 196-200.

- **Masters, W.A.**, 2011. Africa's Turnaround: From Crisis to Opportunity in African Agriculture, chapter 11 in David R. Lee and Muna B. Ndulo, eds., Food and Financial Crises: Impacts on Sub-Saharan Africa, Wallingford, UK: CAB International, forthcoming.
- **Masters, W.A.**, 2011. Economic Development, Government Policies and Food Consumption, chapter 14 in Jayson Lusk, Jutta Roosen and Jason Shogren, eds., *Oxford Handbook on the Economics of Food Consumption and Policy*, forthcoming.
- Masters, W.A., A.F. Garcia, 2010. Agricultural Price Distortion and Stabilization: Stylized Facts and Hypothesis Tests in Kym Anderson (ed.), *Political Economy of Distortions to Agricultural Incentives*. Washington, DC: The World Bank, 2010.
- **Masters, W.A.**, *G. Ngeleza*, R. Florax, 2009. Spatial Inequality and Economic Development in Africa in Munisamy Gopinath and Hanho Kim, eds., *Globalization and the Rural-Urban Divide*. Seoul: SNU Press, 2009.
- **Masters, W.A.**, 2009. Trends in Agricultural Protection: How Might Agricultural Policy Evolve in the Coming Decades? in Alexander Sarris and Jamie Morrison, eds., *The Evolving Structure of World Agricultural Trade*. Rome, Italy: FAO.
- Masters, W.A., K. Anderson, 2009. Distortions to Agricultural Incentives in Sub-Saharan and North Africa in Distortions to Agricultural Incentives: A Global Perspective, 1955 to 2007. New York and Washington: Palgrave Macmillan and the World Bank.
- Masters, W.A., K. Anderson, and E. Bamou, 2009. Introduction and Summary Cameroon and Senegal, in K. Anderson and W.A. Masters, eds., *Distortions to Agricultural Incentives in Africa*. Washington DC: The World Bank, 2009.
- Masters, W.A. (contributing author) 2005. Food chapter 8 (pages 209-241), in Ecosystems and Human Well-Being: Findings of the Millenium Ecosystem Assessment, edited by Rashid Hassan, Robert Scholes and Neville Ash. Washington: Island Press.
- **Masters, W.A.** and M. McMillan, 2004. Ethnolinguistic Diversity, Government and Growth, ch. 7 (pp. 123-147) in *Welfare, Ethnicity and Altruism*, F. Salter, ed.. London: Frank Cass.
- **Masters, W.A.**, 2003. Climate, Agriculture and Economic Development, chapter 8 (pages 166-83) in *Land Quality, Agricultural Productivity, and Food Security*, edited by K.D. Wiebe. Cheltenham, UK & Northampton MA, USA: Edward Elgar.
- **Masters, W.A.**, T.W. Hertel, and M.J. Gelhar, 1999. Regionalism in World Food Markets: Implications for Trade in *Food Security, Diversification and Resource Management: Refocusing the Role of Agriculture*, edited by G.H. Peters and D.D. Hedley. Aldershot, UK: Dartmouth.
- **Masters, W.A.** and J.W. Mellor, 1991. The Changing Roles of Multilateral and Bilateral Foreign Assistance in *Transitions in Development: The Role of Aid and Commercial Flows*, edited by Uma Lele and Ijaz Nabi. San Francisco: ICS Press.

ABSTRACTS AND OTHER PUBLICATIONS IN NUMBERED SERIES

Finaret, A.B. and **W.A. Masters**, 2020. Can shorter mothers have taller children? Nutritional mobility, health equity, and the intergenerational transmission of relative height. Selected paper no. 304397, presented at the annual meeting of the Agricultural and Applied Economics Association (AAEA), 10-11 August 2020.

- Schneider, K., Christiaensen, L., Webb, P. and W.A. Masters 2020. The Cost of Nutritious Diets for Individuals and Households in Rural Malawi. Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). Current Developments in Nutrition, 4(S2): 904.
- Bell, W., J. Coates, W.A. Masters, and N. Wilson, 2020. Measuring Consumer Preferences in Changing Food Environments: A Methods Review. Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). Current Developments in Nutrition, 4(S2):1160.
- Cliffer, I., E. Naumova, W.A. Masters and B. Rogers, 2020. Temporal Patterns in Linear and Ponderal Growth Velocity Among Children 6–23 Months in Burkina Faso. Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). Current Developments in Nutrition 4(S2): 820.
- Bai, Y. and W.A. Masters, 2019. "Heterogeneity in the Cost of Nutrient Adequacy by Age, Sex, Pregnancy or Lactation Status and Other Influences on Individual Requirements in Malawi." Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). Current Developments in Nutrition, 3 (S1): nzz034.OR21-04-19.
- Herforth, A., **W.A. Masters**, *Y. Bai* and D. Sarpong, 2019. "The Cost of Recommended Diets: Development and Application a Food Price Index Based on Food-Based Dietary Guidelines." Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). *Current Developments in Nutrition*, 3 (S1): nzz034.P10-033-19.
- Schneider, K. and W.A. Masters, 2019. Advancing the use of household surveys for nutrition: Nutrient adequacy at the household level and the cost of nutritious diets in Malawi. Selected paper no. 291025, presented at the annual meeting of the Agricultural and Applied Economics Association (AAEA), 21-23 July 2019.
- Gilbert, R., B. Subedi, J. Wallingford, N. Wilson and W.A. Masters, 2019. Nutrient and Mycotoxin Content of Commercially-Sold Premixed Infant Cereals in Malawi, IFPRI MSS Working Paper 28, and Current Developments in Nutrition 3 (S1): P11-079-19. (News: https://mwnation.com/poor-market-surveillance-poses-threat-to-baby-feed-study).
- *Bai*, *Y*., E. Naumova and **W.A. Masters**, "Seasonality in the Cost of Nutritious Diets versus Caloric Adequacy in Tanzania". Abstract of presentation at the annual meeting of the American Society for Nutrition (ASN). Current Developments in Nutrition, Volume 2(11):nzy039 (OR37-03).
- **Masters, W.A.** and *N. Rosenblum*, 2017. Senegal groundnut value chain: Competitiveness and prospects for development. Working Paper 117011. World Bank: Washington.

- **Masters, W.A.**, 2016. Assessment of Current Diets: Recent Trends by Income and Region. Working Paper #4 for the Global Panel on Agriculture and Food Systems, London.
- Masters, W.A., S. Novello, S.B. Cash, S.B. Roberts, 2015. Self-Weighing Increases Weight Loss in Free-Living Adults: A Double-Blind Randomized Field Trial among 200,000 Health App Users. Abstract of poster selected for presentation at EB in Boston, March 2015. FASEB Journal, 29(1), supplement: 594.9.
- Kazianga, H., **W.A. Masters**, and M. McMillan, 2013. Disease Control, Demographic Change and Institutional Development in Africa. NBER Working Paper 19245. Cambridge, MA: NBER (July).
- Motamed, M., R. Florax, and W.A. Masters, 2012. Borders and Barriers: Spatial Analysis of Agricultural Output Spillovers at the Grid Cell Level. Selected paper 124790 presented at the AAEA, August, 26 pages.
- **Masters, W.A.**, D. Sarpong, and J. Kuwornu, 2011. Improving child nutrition through quality certification of infant foods: scoping study from a randomized trial in Ghana. Working Paper 10/0828. London, UK: International Growth Centre.
- Motamed, M., R. Florax, and W.A. Masters, 2009. Geography and Economic Transition: Global Spatial Analysis at the Grid Cell Level. Selected paper 612468 presented at the AAEA, July, 30 pages.
- *Rios*, *A.R.*, G. Shively, and **W.A. Masters**, 2009. Farm Productivity and Household Market Participation: Evidence from LSMS Data. Contributed paper at the IAAE, August, 42 pages.
- *Rios, A.R.*, G. Shively, and **W.A. Masters**, 2009. Agricultural Prices and Income Distribution among Farmers: A Whole-Household, Multi-Country, Multi-Year Analysis. Selected paper 603098 presented at the AAEA, July, 27 pages.
- **Masters, W.A.** and *B. Delbecq*, 2008. Accelerating innovation with prize rewards. IFPRI Discussion Paper 835, December, 44 pages.
- **Masters, W.A.** and E. Bamou, 2007. Distortions to Agricultural Incentives in Cameroon. World Bank Agricultural Distortions Working Paper 41, December (36 pages).
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- Review of <u>Agricultural Policies in Developing Countries</u> by Frank Ellis (1993). *American Journal of Agricultural Economics*, 75(2): 502-503, 1993.

ONLINE AND IN-PERSON SHORT COURSES TAUGHT

Feeding a Hungry Planet online course, offered 2019, 2018 & 2017 by the SDG Academy Introduction to Economics for Agri-Health Researchers (2017, 2018), at ANH Academy Principles of Economics and Economics of Development (half-semester courses at Deep Springs College, June-July 1998 and 2002).

Impact economique de la recherche agricole (one or two-week workshops in Bamako 1994 & 1995; Niamey 1996, Ouagadougou 1997 & 1998, Praia 2000, Dakar 2002).

African short course in global trade analysis (one week, Johannesburg, S.Africa 1998) Impact de la recherche en Afrique (all-day seminar, ENSA-Rennes, France 1999)

GRANTS AND CONSULTANCIES

 cipal investigator or co-PI on over \$16 million in grants and projects from:	
BMGF & UKAid: Food Prices for Nutrition	(2020-24)
UKAid: Innovative Methods & Metrics for Agriculture-Nutrition Actions	(2014-23)
USAID: Nutrition Transition and Agricultural Transformation	(2015-22)
USAID: Learning Agenda for Uganda Development Food Security Activity	(2019-20)
BMGF: Changing Access to Nutritious Diets in Africa & S. Asia (CANDASA)	(2018-20)
IFPRI: Advancing Research in Nutrition and Agriculture (AReNA)	(2016-20)
USAID: United in Building & Advancing Life Expectations (UBALE)-Malawi	(2016-19)
World Bank: Seasonality and Smoothing of Nutrition Outcomes	(2018)
World Bank: Competitiveness of the Groundnut Value Chain - Senegal	(2016)
GAIN: Nutritional Enhancement of the Peanut Value Chain in Ghana	(2013)
IFPRI: Nutritional Composition of Complementary Infant Foods	(2012-14)
USAID: Nutrition Collaborative Research Support Program for Africa	(2010-15)
International Growth Center: Incentives for Innovation in Ethiopian Agriculture	(2010-11)
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NBER Africa Project: Demographic Pressure and Institutional Change	(2008-10)
USDA: Graduate Fellowships in Agricultural Trade Policy	(2006-10)
World Bank: Political Economy of Agricultural Distortions	(2007-09)
World Bank: Distortions to Agricultural Incentives in Africa	(2006-08)
IFPRI: Using Prize Rewards to Accelerate Innovation in African Agriculture	(2006-08)
USAID: External Evaluation of the Forum for Agricultural Research in Africa	(2006)
USAID: Rural and Agricultural Incomes with a Sustainable Environment-Plus	(2005-08)
Adelson Family Foundation: Supporting Prizes for Agricultural Innovation	(2004-06)
USAID: Biotechnology and Policy Change in West and Central Africa	(2004-05)
USDA: Sources of Global Agricultural Productivity Growth	(2004-05)
IITA: Impact of Cocoa Marketing and Trade Innovations in Africa	(2002-04)
USAID: Impact of Agricultural Technology in West and Central Africa	(1993-04)
ASARECA: Mid-Term Review of ECAPAPA policy-analysis network	(2001)
USAID: Modeling Electricity Trade in Southern Africa	(1998-01)
IFPRI: Market Reform and Agricultural Productivity in Malawi and Benin	(1998-00)

USAID: Equity and Growth through Economic Research (EAGER)	(1995-00)
UN Economic Commission for Africa: Global Trade Analysis	(1997-98)
U.S. Dept. of Education: Building Agribusiness Capacity	(1996-98)
USAID: Zimbabwe Grain Market Reform Research Project	(1994-96)
USAID: Agricultural Policy Analysis Project (APAP III)	(1994)
Purdue University: Global Initiative Faculty Grant for Teaching (twice)	(1992, 1993)
USAID/Zimbabwe: Consultancy on Grain Market Reform	(1992)
World Bank: Consultancy on Agricultural Pricing in Zimbabwe	(1991)
Rockefeller Foundation: Research Fellowship	(1990)
ICRISAT: Consultancy on Sorghum and Millets in Zimbabwe	(1989)