



# Strengthening Mozambique's Capacity for Agricultural Policy Analysis, Productivity, Growth and Poverty Reduction

## Projecto de Apoio ao Fortalecimento da Capacidade em Análise de Políticas, Produtividade Agrícola, Crescimento Económico e Redução da Pobreza em Moçambique



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### Project Overview

MSU has worked with the Ministry of Agriculture (MINAG) in Mozambique since 1991 to increase MINAG's capacity to formulate and implement facilitative agricultural sector policies, strategies, and institutional reforms. Since 2004, assistance has also been provided to the National Agricultural Research Institute (IIAM). The twin goals of the current project are to expand the availability of appropriate crop, livestock and natural-resource management technologies for smallholder farmers, and to accelerate the uptake of those technologies by strengthening policy institutions and market information services. The project seeks to achieve this goal through formal and on-the-job training in the identification of priority policy issues, collection and timely analysis of relevant information, and prompt dissemination of actionable results to managers and policy makers.

- [Current/Recent Outreach](#)
- [Project Proposal](#)
- Annual Narrative Reports
  - [2006/07](#) (CDIE Reference number PD-ACL-453)
  - [2005/06](#) (CDIE Reference number PD-ACI-959)
  - [2004/05](#) (CDIE Reference number PD-ACI-958)
- Cumulative Project Output Reports: ([2006/07](#), [2005/06](#), [2004/05](#))
- [Prior Project Fact Sheet](#): summarizes project approach and output up to Sept 2004.
- [Capacity Building Accomplishments](#)
- [Contact Information](#): in-country personnel, U.S. based backstop and collaborative institutions.
- Quick Links - Mozambique on the Food Security and Food Policy Information Portal for Africa-FSIP ([English](#) and [Portuguese](#))
- Quick Links - Building Professional Skills-FSIP ([English](#) and [Portuguese](#))

### Most Recent Research and Outreach

"Flash": series of short papers, closely focused on issues of relevance for understanding the Mozambican food and agricultural system. [Top](#)

- [Início Antecipado da Campanha de Comercialização de Milho, Feijões e Mandioca: Preços Altos Caracterizam a Campanha de Comercialização de 2007/08](#). Por Equipe Técnica do SIMA. Revisto em 21 Fevereiro 2009.
- [As Perspectivas da Comercialização Agrícola do Ano 2008: Vozes das Zonas Rurais](#). Por Equipe Técnica do SIMA. Setembro 2008. Volume 51p.
- [Perspectives on Agricultural Marketing in 2008: Voices from the Rural Areas](#). SIMA Technical Team. September 2008. Volume 51e.

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**Research Reports:** over 70 have been produced, most of them published and downloadable in both English and Portuguese. [Top](#)

## IIAM

- [Prospects for BT Cotton In Mozambique](#). Raul Pitoro, Tom Walker, David Tschirley, Scott Swinton, Duncan Boughton, and Higino de Marrule. IIAM-DFDTT Research Report No. 5E. June 2009.
- [Analysis of Adoption of Orange-Fleshed Sweet Potatoes: The Case Study of Gaza Province in Mozambique](#). Feliciano M. Mazuze. IIAM-DFDTT Research Report No. 4E. December 2007.
- [Estabelecimento de Prioridades para a Investigação Agrária no Sector Público em Moçambique Baseado nos Dados do Trabalho de Inquérito Agrícola \(TIA\)](#). T. Walker, R. Pitoro, A. Tomo, I. Siteo, C. Salência, R. Mahanzule, C. Donovan, and F. Mazuze. IIAM-DFDTT Relatório de Pesquisa 3P. August 2006.

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## MINAG

- [Measuring the Impact of Public and Private Assets on Household Crop Income in Rural Mozambique, 2002-2005](#). D. Mather. July 2009.
- [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](#). Nicole Mason, T.S. Jayne, Cynthia Donovan, and Antony Chapoto. IDWP 98. June 2009.
- RP66: [Household Income and Assets in Rural Mozambique, 2002-2005: Can Pro-Poor Growth Be Sustained?](#) David Mather, Benedito Cunguara, and Duncan Boughton. December 2008.

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**Policy Presentations:** in collaboration with its partners in MINAG, IIAM and USAID/Mocambique, MSU maintains an active policy outreach program. In addition to presentations by project personnel, MSU has assisted MINAG and IIAM leadership in preparing presentations for both local and international policy fora. [Top](#)

## IIAM

- [Análise Comparativa da Competitividade do Subsector Algodoeiro em África. Pontos fortes e fracos da Cadeia de Valores do Subsector Algodoeiro Moçambicano](#). Raúl Pitoro, com apoio de Duncan Boughton, David Tschirley, e Gilead Mlay. Apresentação na Reunião Annual de Algodão. Nampula, Outubro de 2008.
- [Comentários dos TORs de Estudos Sócio-económicos do IAM. Estudo de fugas no Subsector Algodoeiro Moçambicano](#). Raúl Pitoro, Duncan Boughton e Gilead Mlay. Reunião Anual. Nampula, 28 de Outubro de 2008.
- [Mortalidade de Adultos na zona rural, definição de prioridades e programas de investigação](#). Raúl Pitoro com apoio de C. Donovan; F. Mazuze e G. Mlay. Apresentação no Primeiro Workshop Anual do Compete, Faculdade de Agronomia-UEM, Maputo, 12 de Agosto de 2008.

[See Complete List of IIAM Policy Presentations](#)

## MINAG

- [Food Prices Swings: the Case of Mozambique](#). Helder Zavale, Anabela Mabote, Antonio Paulo, Cynthia Donovan and Gilead Mlay. Presented at the FAO Workshop on: Policies for the Effective Management of Food Prices Swings in African Countries, held in Maputo, June 23-24, 2009.
- [Are staple foods becoming more expensive for urban consumers in eastern and southern Africa?](#) N. Mason, T. Jayne, C. Donovan and A. Chapoto. Presentation at the Symposium on Food and Financial Crises and Their Impacts on the MDGs in Africa. Institute for African Development. Cornell University May 2, 2009
- [Exploring the Logic Behind Southern Africa's Food Crises](#). T.S. Jayne and David Tschirley. Presented at the Symposium on The Food and Financial Crisis and their Impacts on Achievement of the Millennium Development Goals in Africa. Institute for African Development. Cornell University. 2 May 2009

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**Workshops and Training Materials:** [Top](#)

- Workshop on Ex-Ante 'Best Bet' Technologies Assessment in Research/Extension Context. Namaacha, Mozambique. June 20-24, 2007.
- Workshop on the Transfer of Agricultural Technology, held 6-7 March 2007, Nampula, Mozambique.

## Theses Reprints: [Top](#)

- Tomo, Alda Armindo. [Economic Impact of Newcastle Disease Control in Village Chickens: A Case Study in Mozambique](#). M. Sc. Thesis. 2009.\*
- Cunguara, Benedito Armando. [Pathways Out of Poverty in Rural Mozambique](#). M.Sc. Thesis. 2008. (2 MB)\*
- Benfica, Rui M.S. [An Analysis of Income Poverty Effects in Cash Cropping Economies in Rural Mozambique: Blending Econometric and Economy-Wide Models](#). PhD Dissertation. 2006. (1 MB)\*

\* by MSU graduate students supported by the project

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## Professional Publications [Top](#)

- Pitoro, Raul, Walker, T., Tschirley, D., Swinton, S., Boughton, D. and de Marrule, H. [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 prepared for presentation at the International Association of Agricultural Economists' Conference, Beijing, China, August 16-22, 2009.
- [Market Participation by Rural Households in a Low-Income Country: An Asset-Based Approach Applied to Mozambique](#). Duncan Boughton, David Mather, Christopher B. Barrett, Rui Benfica, Danilo Abdula, David Tschirley and Benedito Cunguara. *Faith and Economics* Vol 50, Fall 2007: 64-101.
- Mather, David, and Cynthia Donovan. 2007. The Impacts of Prime-age Adult Mortality on Rural Household Income, Assets, and Poverty in Mozambique. Report for World Bank/Mozambique.

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## SIMA (Agricultural Marketing System of Mozambique) [Top](#)

MSU has assisted MINAG since 1991 in implementing an Agricultural Market Information System (SIMA). SIMA produces weekly (Quente-Quente) and monthly bulletins (Boletím Mensal). You'll find domestic prices of 25 products in 27 producer, wholesale, and retail markets throughout the country, plus regional and international prices of selected commodities, and market commentary.

- [SIMA Web site](#) - Full set of SIMA and SIMA Provincial (SIMAP) Publications and presentations.

## Survey Instruments and Data Documentation [Top](#)

Since 1991, FSP has carried out or assisted in a large number of household surveys in Mozambique. 2005 National Agricultural Household Survey (TIA05)

- [Panel Questionnaire](#)
- [Nova Questionnaire](#)

[See Earlier Surveys](#)

## Miscellaneous [Top](#)

- [O Curso Sobre a Planificação e Análise de Experimentos](#). IIAM- DFDTT em Colaboração com MSU-FSIII/MOZ.

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- [For MSU and USAID Management Purposes](#) - Requires ID to enter

## Other Helpful Sites [Top](#)

- [Official Government of Mozambique web page](#)
- [Mozambique News Agency](#)
- [allAfrica.com Mozambique page](#)
- [International Food Policy Research Institute](#)
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- [Início Antecipado da Campanha de Comercialização de Milho, Feijões e Mandioca: Preços Altos Caracterizam a Campanha de Comercialização de 2007/08](#). Por Equipe Técnica do SIMA. Revisto em 21 Fevereiro 2009. (CDIE Reference number pending)
- [As Perspectivas da Comercialização Agrícola do Ano 2008: Vozes das Zonas Rurais](#). Por Equipe Técnica do SIMA. Setembro 2008. Volume 51p. (CDIE Reference number PN-ADN-065)
- [Perspectives on Agricultural Marketing in 2008: Voices from the Rural Areas](#). SIMA Technical Team. September 2008. Volume 51e. (CDIE Reference number PN-ADN-066)
- [A Realidade a Cerca da Subida de Preços: A Dinâmica dos Preços de Alimentos em Moçambique e as Implicações Políticas](#). Anabela Mabota, António Paulo, Argentina Balate, Cynthia Donovan, Danilo Abdula, Gilead Mlay e Olanda Bata. Junho 2008. Volume 50p. (CDIE Reference number PN-ADN-064)
- [Impactos de Mortalidade de Adultos Rurais no Rendimento, Bens, e Pobreza em Moçambique: Análise com Dados do Painel do Tia](#). Cynthia Donovan e David Mather. Fevereiro 2008. Tradução feito por Ângela Faria e Cynthia Donovan. Volume 49p. (CDIE Reference number PN-ADL-589)
- [Impacts of Prime Age Adult Mortality on Rural Household Income, Assets, and Poverty in Mozambique: Analysis with the TIA Panel Data Set](#). Cynthia Donovan and David Mather. volume 49E. September 2007. (CDIE Reference number PN-ADL-026)
- [Chuvas Tardias e Excessivas Retardam o Início da Comercialização de Milho na Zona Norte: Os Comerciantes de Pequena Escala Perspektivam Fracas Colheitas Para a Campanha de 2006/07](#). Por: Equipa Técnica do SIMA. volume 48P. 06 de Julho de 2007. (CDIE Reference number PN-ADK-298)
- [Comerciantes de Pequena Escala Esperam Boas Colheitas, Mas Preços ao Produtor São Baixos nas Zonas de Difícil Acesso: O Que Fazer para Incentivar a Produção e a Comercialização Agrícolas?](#) Por: Equipa Técnica do SIMA. volume 47P. 31 Maio 2006. (CDIE Reference number PN-ADH-902)
- [Learning from the 2002/03 Food Crisis in Southern Africa: Lessons for the Current Year](#). David Tschirley, Pedro Arlindo, Jan J. Nijhoff, Billy Mwinga, Michael T. Weber, and T.S. Jayne. volume 46E. October, 2005. (CDIE Reference number PN-ADH-901)
- [Mudanças no mercado e na produção para melhorar a segurança alimentar em Moçambique](#). David Tschirley, Danilo Abdula, e Michael T. Weber volume 45P - Setembro 2005. (CDIE Reference number PN-ADH-900)
- [Improving Production and Marketing to Enhance Food Security in Mozambique](#). David Tschirley, Danilo Abdula and Michael T. Weber. volume 45E, September 2005. (CDIE Reference number PN-ADH-899)
- [Que Colheita e Preços Esperar para a Época de Comercialização Agrícola 2005/06? Expectativas dos Comerciantes de Pequena Escala no Centro e Norte de Moçambique](#). Equipa Técnica do SIMA. volume 44P - Maio 2005. (CDIE Reference number PN-ADH-898)
- [Principais Lições Do Seminário Sobre Perspectivas Para Comercialização Agrícola E Segurança Alimentar Em Moçambique Para O Ano Comercial 2004/2005](#). Volume 43P. Dezembro 2004. (CDIE Reference number PN-ADI-404)
- [Main Lessons of the Agricultural Market Outlook and Food Security Conference in Mozambique for the Commercial Year 2004/2005](#). Volume 43E. December 2004. (CDIE Reference number PN-ADI-403)
- [Como Evitar Matar a Galinha dos Ovos de Ouro: Uma Análise dos Potenciais Impactos de Uma Taxa Sobre as Exportações de Tabaco Não Processado em Moçambique](#). volume 42P. December 2004. (CDIE Reference number pending)
- [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](#). volume 42E. December 2004. (CDIE Reference number PN-ADI-402)
- [Uma Análise Comparativa Entre Países Sobre A Resposta dos Agregados Familiares À Mortalidade de Adultos na África Rural Sub-Sahariana: Implicações Para Políticas de Mitigação de HIV/SIDA e Desenvolvimento Rural](#). volume 41P - Junho 2004. (CDIE Reference number PN-ADH-897)
- [Análise da Mortalidade de Adultos Nos Agregados Familiares Rurais em Moçambique e Implicações para Políticas](#). volume 40P - 23 de Julho 2004. (CDIE Reference number PN-ADI-401)
- [Analysis of Adult Mortality Within Rural Households in Mozambique and Implication For Policy](#). volume 40E - 23 July, 2004. (CDIE Reference number PN-ADI-400)

- [Como Será a Colheita e Comercialização de Culturas Alimentares em Moçambique em 2004/05? Resultados de Algumas Constatações no Centro e Norte de Moçambique.](#) volume 39P - 31 de Maio de 2004. (CDIE Reference number PN-ADH-896)
- [Mudanças nos Padrões de Consumo na Zona Sul: Que Opções Alimentares Para as Camadas mais Pobres?.](#) volume 38P - 24 de Março de 2004. (CDIE Reference number PN-ADH-895)
- [A Informação: Alavanca de Baixo Custo para o Desenvolvimento dos Mercados Agrários?.](#) volume 37P - 23 de Setembro de 2003. (CDIE Reference number PN-ADH-894)  
[Market Information: A Low Cost Tool for Agricultural Market Development?](#) volume 37E - 23 September 2003. (CDIE Reference number PN-ADH-893)
- [Produção e Comercialização de Culturas Alimentares: Que Expectativas para o Presente Ano? O Ponto de Vista dos Comerciantes Rurais de Pequena Escala no Norte e Centro de Moçambique.](#) volume 36P - 30 de Agosto 2003. (CDIE Reference number PN-ADH-892)
- [Cotton Sector Policies and Performance in Sub-Saharan Africa: Lessons Behind the Numbers in Mozambique and Zambia.](#) volume 34E - 10 December 2002. (CDIE Reference number PN-ADH-891)
- [AGRO-INDÚSTRIA E AGRICULTURA FAMILIAR: FORMAS DE ORGANIZAÇÃO DAS TRANSACÇÕES E REDUÇÃO DA POBREZA RURAL EM MOÇAMBIQUE.](#) volume 33P - 10 de Novembro 2002. (CDIE Reference number PN-ADH-890)  
[Agro-industry and Smallholder Agriculture: Institutional Arrangements and Rural Poverty Reduction in Mozambique.](#) volume 33E - 10 November 2002. (CDIE Reference number PN-ADH-889)
- [Confirmada Baixa Produção de Cereais no Centro e Uma Melhoria no Norte do País Expectativas dos Comerciantes Rurais de Pequena Escala no Norte e Centro de Moçambique.](#) volume 32P - 23 de Julho 2002. (CDIE Reference number PN-ADH-888)
- [Como Será A Comercialização Agrícola Em Moçambique Em 2002/03? Expectativas Dos Comerciantes Rurais De Pequena Escala No Norte E Centro De Moçambique.](#) volume 31P - 20 de Maio 2002. (CDIE Reference number PN-ADH-887)
- [O "Ouro branco"que não dá riqueza: Como de novo torná-lo uma cultura rentável.](#) volume 30P. 18 de Dezembro de 2001. (CDIE Reference number PN-ADH-886)
- [Some Characteristics Of Pro-poor Growth, And Policy Implications For Mozambique.](#) volume 29E - 25 February 2002. (CDIE Reference number PN-ADH-885)
- [Exportação De Milho: Ameaça Contra A Segurança Alimentar Rural? Resultados De Um Inquérito Às Famílias Rurais Do Norte De Moçambique.](#) volume 28P - 11 Fevereiro 2002. (CDIE Reference number PN-ADH-884)  
[Maize Exportation Threat to Rural Food Security? Results of a Survey of Rural Households in Northern Mozambique.](#) volume 28E - 11 February 2002. (CDIE Reference number PN-ADH-883)
- [A Economia Agrícola do Norte de Moçambique: Desenvolvimentos Recentes e Perspectivas.](#) volume 27P - 10 de Agosto 2001. (CDIE Reference number PN-ADI-398)
- [Confirmada Baixa de Produção de Cereais e Feijões no Norte de Moçambique e no Malawi: Implicações sobre as Exportações para o Malawi e os Preços ao Produtor.](#) volume 26P - 9 de Agosto 2001. (CDIE Reference number PN-ADI-397)
- [A Regulamentação de Comercialização da Castanha de Caju: Como Torná-la um Instrumento Revitalizador do Sub-Sector Cajueiro em Moçambique?](#) volume 25p - 14 de Agosto 2001. (CDIE Reference number PN-ADI-396)
- [Perspectivas Preliminares dos Comerciantes Rurais Sobre a Presente Campanha de Comercialização na Zona Norte.](#) volume 24P - 14 April 2001. (CDIE Reference number PN-ADI-395)
- [O Papel do Mercado de Trabalho, Microempresas, e Agricultura na Redução da Pobreza Rural em Moçambique.](#) volume 23P - 6 November 2000. (CDIE Reference number PN-ADI-394)
- [Observações e Lições Emergentes do Programa de Milho com Insumos na Época 1998/99 na Província de Nampula, Moçambique.](#) volume 22P - 6 de Novembro 2000. (CDIE Reference number PN-ADI-399)  
[Observations and Emerging Lessons from the 1998/99 High-Input Maize Program in Nampula Province, Mozambique.](#) volume 22E - 16 November 2000. (CDIE Reference number PN-ADH-882)
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- [Batata Doce de Polpa Cor Alaranjada - Parcerias Prometedoras para Assegurar a Integração dos Aspectos Nutricionais na Investigação e Extensão Agrícola.](#) volume 20P - 10 de Outubro 2000. (CDIE Reference number PN-ADH-880)  
[Orange-Flesh Sweet Potato: Promising Partnerships for Assuring the Integration of Nutritional Concerns into Agricultural Research and Extension.](#) volume 20E - 10 November 2000. (CDIE Reference number PN-ADH-879)
- [Representative Characteristics of Rural Households in Areas of Central and Southern Mozambique Affected by The 2000 Floods.](#) volume 19E - 15 of March 2000. (CDIE Reference number PN-ADH-878)

- [The Effects of Maize Trade with Malawi on Price Levels in Mozambique: Implications for Trade and Development Policy](#), volume 18E - 24 de Novembro 1999. (CDIE Reference number PN-ADH-877)
- [Aumento de Ingestão de Calorias Relacionada ao Aumento de Renda no Norte de Moçambique](#), volume 17P - 28 de Julho 1999. (CDIE Reference number PN-ADH-876)
- [Higher Calorie Intakes Related to Higher Incomes in Northern Mozambique](#), volume 17E - 7 July 1999. (CDIE Reference number PN-ADH-875)
- [O Debate sobre o Cajú em Moçambique: Que vias Alternativas?](#), volume 16P - 14 de Abril 1999. (CDIE Reference number pending)
- [The Cashew Debate in Mozambique: Are There Alternative Strategies?](#), volume 16E - 14 April 1999. (CDIE Reference number PN-ADH-874)
- [Algumas Reflexões sobre a Pobreza e as Perspectivas para o Crescimento do Sector Rural de Moçambique](#), volume 14P - 28 September 1998. (CDIE Reference number PN-ADI-393) For the English version: Reflections on Poverty and Prospects for Growth in the Mozambican Rural Sector - see [Policy Synthesis 44](#)
- [Regional Trade and the Economic Development of Northern Mozambique](#), volume 13E, 14 May 1998. (CDIE Reference number PN-ADH-873)
- [Preços mais estáveis, mas ligeiramente mais baixos foi a tônica da última campanha de comercialização de castanha de cajú 1997-97 em alguns distritos de Nampula](#), volume 12P, 5 de Fevereiro 1998. (CDIE Reference number PN-ADI-392)
- [Designing Market-based Approaches to Short and Long-run Emergency Assistance in Africa](#), volume 11E, 26 September 1997. (CDIE Reference number PN-ADH-872)
- [Uma Abordagem Estratégica Sobre Planificação De Programas De Pesquisa Agrícola Na África Sub-sahariana](#), volume 10P, 12 de Junho 1997. (CDIE Reference number PN-ADI-391)
- [Uma Breve Análise do Desempenho do Mercado de Castanha de Caju na Última Campanha 1996-7 em Alguns Distritos de Nampula](#), volume 9P, 27 de Maio 1997. (CDIE Reference number PN-ADI-390)
- [A Disponibilidade Produtos e o Poder de Compra dos Consumidores: Farinhas de Milho e Arroz](#), volume 8P, 7 de Julio 1997. (CDIE Reference number PN-ADI-389)
- [A Disponibilidade de Produtos e o Poder de Compra dos Consumidores: Grãos de Milho e Arroz](#), volume 7P - 10 de Abril 1997. (CDIE Reference number PN-ADI-388)
- [Fomentando a Transformação Agrícola e do Sistema Alimentar em África](#), volume 6P - 23 de Janeiro 1997. (CDIE Reference number PN-ADI-387)
- [O Desafio da Produtividade em Moçambique: Análise dos Principais Indicadores](#), volume 5P - 22 de Outubro 1996. (CDIE Reference number PN-ADI-386)
- [O Desafio da Produtividade em Moçambique: Orçamentos Parciais do Algodão](#), volume 4P - 12 de Agosto 1996. (CDIE Reference number PN-ADI-385)
- [Tendências dos Preços Reais do Grão de Milho Branco no Sul de Moçambique](#), volume 3P - 27 de Maio 1996. (CDIE Reference number PN-ADI-384)
- [Mozambique's Food Security Success Story](#), volume 2E - 26 April 1996. (CDIE Reference number PN-ADH-909)
- [Relato do Sucesso da Segurança Alimentar em Moçambique](#), volume 2P - 3 de Outubro 1996. (CDIE Reference number PN-ADH-910)
- [A Política de Preços Mínimos: Benefícios para Quem, e a Que Custo?](#) volume 1P - 24 de Abril 1996. (CDIE Reference number PN-ADI-383)



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- [Analysis of Adoption of Orange-Fleshed Sweet Potatoes: The Case Study of Gaza Province in Mozambique](#). Feliciano M. Mazuze. IIAM-DFDTT Research Report No. 4E. December 2007. (CDIE Reference number PN-ADL-590)
- [Estabelecimento de Prioridades para a Investigação Agrária no Sector Público em Moçambique Baseado nos Dados do Trabalho de Inquérito Agrícola \(TIA\)](#). T. Walker, R. Pitoro, A. Tomo, I. Siteo, C. Salência, R. Mahanzule, C. Donovan, and F. Mazuze. IIAM-DFDTT Relatório de Pesquisa 3P. August 2006. (CDIE Reference number PN-ADI-408)
- [Priority Setting for Public-Sector Agricultural Research in Mozambique with the National Agricultural Survey Data](#). T. Walker, R. Pitoro, A. Tomo, I. Siteo, C. Salência, R. Mahanzule, C. Donovan, and F. Mazuze. IIAM-DFDTT Research Report No. 3E. August, 2006. (CDIE Reference number PN-ADH-871)
- [Introdução de Novas Tecnologias Agrícolas e Estratégias de Comercialização no Centro de Moçambique](#). Rafael N. Uaiene. IIAM-DFDTT Relatório de Pesquisa No. 2P. Agosto de 2006. (CDIE Reference number PN-ADI-407)
- [Introduction of New Agricultural Technologies and Marketing Strategies in Central Mozambique](#). Rafael N. Uaiene. IIAM-DFDTT Research Report No. 2E. August, 2006. (CDIE Reference number PN-ADH-870)
- [O Impacto Económico de Variedades de Mandioca Tolerantes à Doença da Podridão Radicular sobre a Segurança Alimentar no Litoral de Moçambique](#). S. McSween, T. Walker, V. Salegua, and R. Pitoro. IIAM-DFDTT Relatório de Pesquisa No. 1P. Agosto de 2006. (CDIE Reference number PN-ADI-406). [Poster image](#).
- [Economic Impact on Food Security of Varietal Tolerance to Cassava Brown Streak Disease in Coastal Mozambique](#). S. McSween. T. Walker. V. Salegua. R. Pitoro. IIAM-DFDTT Research Report No. 1E. August 2006. (CDIE Reference number PN-ADH-869). [Poster image](#)
- Plano de Investimento para o Período de 2007-2011. Maputo, 31 de Julho de 2006.
- Investment Plan for the Period 2007-2011. Maputo, July 31, 2006.

## MINAG

- RP 67: [Measuring the Impact of Public and Private Assets on Household Crop Income in Rural Mozambique, 2002-2005](#). D. Mather. July 2009.(CDIE reference number PN-ADP-065)
- [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](#). Nicole Mason, T.S. Jayne, Cynthia Donovan, and Antony Chapoto. IDWP 98. June 2009.
- RP66: [Household Income and Assets in Rural Mozambique, 2002-2005: Can Pro-Poor Growth Be Sustained?](#) David Mather, Benedito Cunguara, and Duncan Boughton. December 2008. (CDIE reference number PD-ACO-146)
- RP65E: [The Impacts of Prime-Age Adult Mortality on Rural Household Income, Assets, and Poverty in Mozambique](#). D. Mather and C. Donovan. 2008. (CDIE Reference number PN-ADL-588)
- RP64. [Income Poverty Effects of Expansion and Policies in Cash Cropping Economies in Rural Mozambique: An Economy-wide Approach](#). Rui M.S. Benfica. 2007. (CDIE Reference number PN-ADL-029)
- RP63. [Interlinked Transactions in Cash Cropping Economies: Rationale for Persistence, and the Determinants of Farmer Participation and Performance in the Zambezi Valley of Mozambique](#). Rui Benfica. 2007. (CDIE Reference number PN-ADL-028)
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- [Comparative Analysis of Organization and Performance of African Cotton Sectors: Learning From Experience of Cotton Sector Reform in Africa](#). Draft Final Report. David Tschirley, Colin Poulton, Nicolas Gergely, Patrick Labaste, John Baffes, Duncan Boughton, and Gérald Estur. September 6, 2007. (This

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- [Comentários dos TORs de Estudos Sócio-económicos do IAM. Estudo de fugas no Subsector Algodoeiro Moçambicano.](#) Raúl Pitoro, Duncan Boughton e Gilead Mlay. Reunião Anual. Nampula, 28 de Outubro de 2008.
- [Mortalidade de Adultos na zona rural, definição de prioridades e programas de investigação.](#) Raúl Pitoro com apoio de C. Donovan; F. Mazuze e G. Mlay. Apresentação no Primeiro Workshop Anual do Compete, Faculdade de Agronomia-UEM, Maputo, 12 de Agosto de 2008.
- [Tornar a investigação agrária relevante e produtiva.](#) Gilead Mlay. Apresentação feita aos investigadores do IIAM, Centro Zonal Noroeste, Lichinga, 10 de Julho de 2008.
- [Fortalecimento da Capacidade Moçambicana para Aumento da Produtividade, Segurança Alimentar e Redução da Pobreza.](#) G. Mlay, C. Donovan, R. Pitoro, F. Mazuze, D. Boughton. Uma apresentação no workshop sobre "Reforçando Parcerias e Receptividade da Investigação para Segurança Alimentar e Crescimento Agrário em Moçambique". Hotel VIP, Maputo, 4 de Junho de 2008.
- [Análise de Rendimento e Dinâmica da Pobreza nas Zonas Rurais de Moçambique 2002-2005.](#) Raul Pitoro and Gilead Mlay (Centro do Estudos Sócio-Económicos/IIAM/MSU). Presented to the Working Group on the Revision of the Strategic Plan for the Agricultural Sector, January 31, 2008, Maputo.
- [Food Security in Mozambique.](#) A Presentation on food security issues and future directions by the IIAM/Minag/MSU team at USAID for the US Government Accountability Office (GAO). Review Team. November 14, 2007. USAID offices, Maputo, Mozambique.
- [Avaliação dos Benefícios Económicos do Algodão Bt em Moçambique: Implicações para os Camponeses e Companhias Algodoeiras. Proposta de Pesquisa.](#) Raul Pitoro. Presentation at the National Cotton Sector Meetings held by the National Cotton Institute (IAM) with private sector stakeholders, Nampula, 8 November 2007.
- [Inventário de Tecnologias Agrárias em Moçambique.](#) Raul Pitoro. Presentation at the Workshop on the Transfer of Agricultural Technology in Mozambique, held 6-7 March 2007, Nampula.
- [Strengthening Mozambican Capacity for Agricultural Productivity Growth, Policy Analysis, and Poverty Reduction.](#) Gilead Mlay. A Presentation to the SAKSS-SA Regional Workshop in Johannesburg, October 4th 2006.
- [Resultados do Exercício de "Priority Setting" de Namaacha, 29 Maio – 01 Junho, 2006.](#) Raul Pitoro. Apresentado num encontro de PROAGR II, IIAM, Maputo, Mozambique, 20 de Junho, 2006.
- [Debriefing on IIAM/MSU Collaboration with AGORA/HINARI Portuguese Training,](#) Maputo, Jan 24-26, 2006 (Note file size = 1.6 mb)
- [List of Participants in AGORA/HINARI Trainer of Trainer Workshop,](#) Maputo, Jan 24-26, 2006.
- [Insights from the Analysis of Rural Household Income in Mozambique.](#) A Presentation on work by the IIAM/Minag/MSU team at the EC Delegation. December 5, 2005. EC Delegation, 2820 Julius Neyere, Maputo, Mozambique.

## MINAG

- [Food Prices Swings: the Case of Mozambique.](#) Helder Zavale, Anabela Mabote, Antonio Paulo, Cynthia Donovan and Gilead Mlay. Presented at the FAO Workshop on: Policies for the Effective Management of Food Prices Swings in African Countries, held in Maputo, June 23-24, 2009.
- [Are staple foods becoming more expensive for urban consumers in eastern and southern Africa?](#) N. Mason, T. Jayne, C. Donovan and A. Chapoto. Presentation at the Symposium on Food and Financial Crises and Their Impacts on the MDGs in Africa. Institute for African Development. Cornell University May

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  - [Análise da Renda e Dinâmica de Pobreza nas Zonas Rurais de Moçambique 2002-2005](#). G. Mlay, D. Mather, B. Cunguara, D. Abdula, C. Donovan, E. Payongayong, D. Boughton. Apresentação no Seminário Nacional de Harmonização da Planificação para 2009. Namaacha, 2-3/Junho/2008.
  - [Experiência de Diferentes Modelos de Promoção de Algodão em África e Implicações para Moçambique: Aprendendo das Reformas na África Ocidental e Oriental/Austral](#). Gilead Mlay e Raul Pitoro. Apresentação na Reunião de Negociação de Preço. Beira, 11 de Abril 2008.
  - [The Level and Structure of Rural Household Income in Mozambique](#). Presented by Raul Pitoro at the ReSAKSS Workshop "Evaluating Options for Agricultural Growth and Poverty Reduction in Mozambique, Focusing on Specific Interventions" held April 2, 2008, at the Hotel VIP, Maputo. Collaborators in the preparation of the presentation include G. Mlay, D. Mather, B. Cunguara, D. Abdula, C. Donovan, E. Payongayong, D. Boughton, F. Mazuze, and E. Macome.
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  - [Tools for Market Evaluation in Emergency Needs Assessment](#). Cynthia Donovan. Presentation to SETSAN/FEWSNET based on work for World Food Programme. Maputo, April, 2006.
  - [Developing an Effective Marketing Information System: The SIMA Experience](#). Presentation by the SIMA team to the USAID Mission, Maputo, Mozambique, November 21, 2005.
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  - [Adult Illness and Death in Mozambique: Prevalence and Strategies for Rural Households Dealing with Adversity](#). (English)
  - [Opening Address at the International Workshop "Food Aid - Contributions and Risks to Sustainable Food Security"](#) Presentation by Minister of Agriculture and Rural Development Helder Muteia, at the workshop in Berlin, Germany, September 2-3, 2003. Duncan Boughton and others assisted in the preparation of this talk.
  - [Dinâmica do Sector Agrário em Moçambique](#). O Papel da Agricultura Comercial Familiar na Redução da Pobreza. (English translation-Agricultural Sector Trends: The Role of Commercial Smallholders in Poverty Reduction.) MADER seminar. Maputo. March 19, 2003 .
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  - [Property Rights for Poverty Reduction: Mozambique's Land Law](#). Presentation by Minister of Agriculture and Rural Development Helder Muteia at the World Summit on Sustainable Development. Johannesburg, September 2002. Duncan Boughton, MSU In-Country Representative in Mozambique, assisted in preparation.
  - [Desenvolvimento do Sector Agrario em Mocambique: Constrangimentos, Estrategias e Prioridades](#). Presentation by Minister of Agriculture and Rural Development Helder Muteia at the USAID/Mozambique seminar on its five year country strategy development. Maputo, October 2001. Jan Low and Duncan Boughton assisted in preparation.



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- Tomo, Alda Armindo. [Economic Impact of Newcastle Disease Control in Village Chickens: A Case Study in Mozambique](#). M. Sc. Thesis. 2009.\*
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- Benfica, Rui M.S. [An Analysis of Income Poverty Effects in Cash Cropping Economies in Rural Mozambique: Blending Econometric and Economy-Wide Models](#). PhD Dissertation. 2006. (1 MB)\*
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- Mole, Paulo. [An Economic Analysis of Smallholder Cashew Development Opportunities and Linkages to Food Security in Mozambique's Northern Province of Nampula. \(Note: 1 megabyte download\)](#) Ph.D. Dissertation. June 2000. (970 KB)\*
- Benfica, Rui. [An Analysis of the Contribution of Micro- and Small Enterprises to Rural Household Income in Central and Northern Mozambique](#). M.Sc. Thesis. March 1998. (765 KB)
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- Donovan, Cynthia. [The Effects of Monetized Yellow Maize Food Aid on Local Maize Prices in Mozambique](#). Ph.D. Dissertation. February 1996. \*
  - [Chapters 1-5](#) (Note: 4.4 megabyte download)
  - [Chapters 6-8 and annex](#) (Note: 5.1 megabyte download)
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\* by MSU graduate students supported by the project



# Professional Publications

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## 2009

- Pitoro, Raul, Walker, T., Tschirley, D., Swinton, S., Boughton, D. and de Marrule, H. [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 prepared for presentation at the International Association of Agricultural Economists' Conference, Beijing, China, August 16-22, 2009.

## 2007

- Boughton, Duncan, Mather, D., Barrett, C.B., Benfica, R., Abdula, D., Tschirley, D. and Cunguara, B. [Market Participation by Rural Households in a Low-Income Country: An Asset-Based Approach Applied to Mozambique.](#) *Faith and Economics* Vol 50, Fall 2007: 64-101.
- Mather, David, and Cynthia Donovan. 2007. The Impacts of Prime-age Adult Mortality on Rural Household Income, Assets, and Poverty in Mozambique. Report for World Bank/Mozambique.
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## 2003

- Jayne, T.S. T. Yamano, M. Weber, D. Tschirley, R. Benfica, A. Chapoto, and B. Zulu. 2003. [Smallholder Income and Land Distribution in Africa: Implications for Poverty Reduction Strategies.](#) *Food Policy*, Vol. 28(3): 253-275. [Science Direct Summary](#).

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- Tschirley, D., R. Benfica, 2001. Smallholder Agriculture, Wage Labor and Rural Poverty Alleviation in Land-Abundant Areas of Africa: Evidence From Mozambique. *The Journal of Modern African Studies*, Vol. 39:2 (333-358).

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Food Security III Cooperative Agreement between US Agency for International Development, EGAT/AG Bureau cooperating closely with Africa/SD Bureau, and MSU Department of Agricultural Economics.

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# Survey Instruments and Data Documentation

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## Introduction

Since 1991, FSP has carried-out or assisted in a large number of household surveys in Mozambique. These surveys have ranged from geographically focused studies designed to address specific policy issues, to assistance to Ministry of Agriculture and Rural Development in its National Agricultural Survey. Below are brief descriptions of each survey, links to downloadable questionnaires, and links to Research Reports which provide methodological background or research results from the surveys. Many of the downloadable questionnaires are "synthetic questionnaires". These are based on the original, but are redesigned to reflect the final structure of the SPSS/Windows data files. If the questionnaire is an original, and not a synthetic version, that is indicated in parentheses.

## 2005 National Agricultural Household Survey (TIA05)

- Village/Community Questionnaire ([English](#), Portuguese)
- Small and Medium Farms: Panel Households ([English](#), Portuguese)
- Small and Medium Farms: New Households ([English](#), [Portuguese](#))

## 2003 National Agricultural Household Survey (TIA03)

- Village/Community Questionnaire ([English](#), [Portuguese](#))
- Small and Medium Farms - with Field Measurements ([English](#), [Portuguese](#))
- [Pequenas E Médias Explorações - Sem Medição](#)
- [Grandes Explorações](#)

## 2002 National Agricultural Household Survey (TIA02)

During 2002 the project is working intensively in support of MADER's national agricultural household survey, referred to as TIA02. Field work is scheduled to be launched in July 2002 and completed during October. A total of over 4,000 households will be interviewed. Final questionnaires are now available.

- [Household Questionnaire](#)
- [Community Questionnaire](#)

## Agricultural Market Information System (SIMA)

Since 1991, MSU has assisted MADER in implementing an Agricultural Market Information System (SIMA). This system produces weekly (Quente-Quente) and monthly (Boletim Mensal) bulletins with domestic prices of 25 products in 27 producer, wholesale, and retail markets throughout the country. The bulletins also include regional and international prices of selected commodities, and market commentary.

- [Questionnaires](#)
- [SIMA Web site](#) - Full set of SIMA and SIMA Provincial (SIMAP) Publications and presentations.

## 2000/01 Cotton Monitoring Surveys

In October 2000, Mozambique embarked on a phased liberalization of its cotton sector, and the Ministry of Agriculture and Rural Development's Policy Analysis Department was charged with monitoring this process and recommending follow-on reforms. As part of the monitoring process, FSP assisted the Policy Analysis Department in conducting a survey of cotton growers in Nampula province during December, 2000.

Questionnaires

- [Household Level](#): this questionnaire is based in the income proxy methodology developed from the 1998 Income Survey, and will allow the calculation of estimates for each household of income from 10 different sources. (original in Portuguese)
- [Grower Level](#): this questionnaire focuses on the cotton growing practices and experience of the grower. (original in Portuguese)

## 1998 Income Survey

In 1998, FSP worked with USAID-funded NGOs to conduct a survey of households in NGO target areas. The stratified cluster sample design covered 490 households, each of whom was visited twice during the year. The primary purpose of the survey was to develop income proxy models for use by NGOs in impact monitoring.

### Questionnaires

- [Round 1](#) (June 1998; original in Portuguese)
- [Round 2](#) (November 1998; original in Portuguese)

Research Reports: See [#38](#) for more detail on research methods, and for the income proxy models developed on the basis of these data.

## 1996 National Agricultural Survey (TIA96)

FSP assisted MADER in carrying out this national rural household survey. The stratified cluster sample design covered 3,851 households in all 10 provinces of the country. FSP added a microenterprise module to this survey, covering all sampled households in the provinces of Nampula, Zambezia, Manica, and Sofala.

### Questionnaires

- [Main Questionnaire](#)
- MSE Module
  - [Rural, Part I](#) (translated original)
  - [Rural, Part II](#) (translated original)
  - [Rural, Closed Enterprises](#) (translated original)
  - [Urban](#) (translated original)

### Reports

- [Lessons Learned](#)
- Documentation and selected results: [text of the report](#), and [statistical tables](#).

## Small-Holder Cash Cropping, Food Cropping and Food Security in Northern Mozambique

This survey was carried out over five rounds in 1994 and 1995. It focused on three "Joint Venture Companies" operating cotton outgrower schemes with smallholders in Nampula and Cabo Delgado provinces in northern Mozambique. The objective of the research was to examine the effects of alternative technological packages and institutional arrangements for cotton on smallholder incomes and food security. The stratified cluster sample covered 472 households, with modules on agricultural production, field level agricultural activities (including labor hiring), off-farm wage and microenterprise activities, expenditure, and 24-hour recall food consumption.

### Questionnaires

- [Agriculture, Demography, Employment and Expenditure](#)
- [Household Level Questions](#)
- [24-hour Recall Consumption](#)
- [Maize Milling Module](#)
- [Land Conflict Module](#) (done in collaboration with Land Tenure Center, U. of Wisconsin)

Research Reports: See [#21](#) for details on research methods; [#25](#) for selected research results.

## Socio-economic Survey of the Smallholder Sector in Three Districts of

## Nampula Province, 1991

This survey covered 343 households in the districts of Ribaué, Monapo and Angoche, Nampula province. It examined the food security strategies that households had adopted under the extremely difficult circumstances created by civil war and degradation of infrastructure.

- [Original Questionnaire](#)
- Related Research Reports: See Research Reports [3](#) and [3P](#) (Portuguese) for more detail on research design. For research results, see Research Reports [4](#), [4P](#), [5](#), [5P](#), and [6](#)