

**MINAG**  
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**Strengthening Mozambican Capacity for Agricultural Productivity Growth, Policy Analysis, and Poverty Reduction**

**Quarterly Project Narrative Report - FY08 (Q3)**

**April 1 to June 30, 2008**

**Mozambique Associate Award / Food Security III LWA CA  
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# **Strengthening Mozambican Capacity for Agricultural Productivity Growth, Policy Analysis and Poverty Reduction**

## **Highlights**

In response to the world food crisis, the government of Mozambique recognized the need to take action to ensure food security of their citizens. Within the Ministry of Agriculture, the Agricultural Market Information System (SIMA) team met with colleagues at FEWS NET and MSU to develop a policy synthesis that could quickly cover the main impacts of rising world food prices for Mozambique as well as possible responses to potential crisis. With neighbouring countries closing borders, the Flash highlighted the role of markets and production incentives to enhance supply, among other aspects. With MSU team member Cynthia Donovan, SIMA also used the annual Windshield Survey as a chance to capture the perceptions and ideas of the farmers and traders regarding the current year. Given the lack of a timely crop forecast, this work was an important input into decision-making at MINAG and elsewhere.

Given the importance of the national rural household surveys (known as TIA), MSU in-country director Gilead Mlay and data specialist Ellen Payongayong prioritized preparing TIA 2007 data for outreach to assist the Directorate of Economics in the Ministry's Consultative and Technical Council meetings and in provincial meetings. They assisted DE in demonstrating the usefulness of representative household survey data for policy formulation. A presentation on the use of TIA to address specific policy issues was made earlier by the MSU's Gilead Mlay during the national workshop to harmonise planning in the agricultural sector.

## **Activities Realized**

The following activities were planned and implemented for this quarter:

- Design, implementation and analysis of the 2008 PVO impact indicator monitoring
- Analysis of public expenditure for the agricultural sector (ongoing)
- Analysis of trends of food prices in three regions of the country
- Contributions to on-job training of MINAG and IIAM staff
- Analysis of Adoption of Nicaragua ICTAR -198 sesame variety and Nametil peanut variety in Nampula (ongoing)
- Estimation of levels of adoption of Nikwaha cassava variety in Nampula and validation of ex-ante analysis (ongoing)
- Evaluation of impact of vaccination against Newcastle disease in Central and Southern Mozambique (ongoing)
- Profitability analysis of main food staples, cotton and cashew under existing and improved technologies by agro ecological zone and holding size (ongoing)
- Production and dissemination of statistics from past TIAs (ongoing)
- Documentation of all processes involved in the production of agricultural statistics through TIA
- Production and dissemination of agricultural statistics from past TIAs
- Continued support to MINAG in the preparation of the Strategic Plan for the Agricultural Sector

- Provision of technical backstopping to SIMA staff, particularly with the Windshield Survey and Bean Marketing Channels Study
- Promotion of agricultural policy debates in civil society

During this quarter, MSU staff members have continued to work with USAID and MINAG collaborators to finalize a revised work plan and access additional funding. Key among the activities under negotiation is the contract for Impact Evaluation and Capacity Development Services under the Millennium Challenge Corporation.

This rest of this report for the third quarter of FY08 is organized by project objective and the activities apply to the period April 1 to June 30, 2008 (FY08) work plan.

**Objective 1: To assist MINAG in building institutional capacity to raise smallholder productivity and income through improved technology, markets and policies**

***1.1. Strategic Plan for Agricultural Sector and for IIAM***

The Ministry of Agriculture is in the process of preparing a 10-year strategic plan for the development of the agriculture sector (known by its Portuguese acronym: PEDSA). PEDSA accommodates the green revolution strategy in terms strategic actions for implementation but its coverage goes beyond food to forestry and non-food crop activities. It takes into account policies and strategies that are beyond the competency of MINAG, but which influence the performance of the sector. MSU is contributing in the preparation of the strategy through Danilo Abdula who is a member of the task-force and through regular consultation with the MSU In-country Director, Gilead Mlay. The draft of the strategic plan is expected to be ready in early August for consultation with stakeholders.

The National Institute of Agrarian Research (IIAM) is also in the process of preparing its 10-year strategic plan. MSU project staff members have been providing input and in this quarter, Gilead Mlay participated in writing up the monitoring and evaluation component of the strategy. The component on institutional arrangements is yet to be written, followed up by a general review and harmonization of the document. The strategy discussions to develop the document have benefited extensively from earlier MSU/IIAM work on priority setting, as well as the investment plan led by MSU project staff

***1.2 Outreach and Promotion of Policy Debates***

During this period project staff participated in series of seminars and workshops. In collaboration with partners from MINAG and IIAM, MSU staff made presentations based on-going policy analysis work using TIA data. Annex 1 contains a printout of the website <http://www.aec.msu.edu/fs2/mozambique/index.htm> and all presentations can be found there.

Below we present a summary of the subjects covered and type of seminar or workshop.

- a) Strengthening Mozambique's Capacity to Increase Productivity and Food Security and Reduce Poverty. Presented by Gilead Mlay at the Workshop for Strengthening Partnership and Reciprocity in Research, Food Security and Agricultural Growth. It can be found at [http://www.aec.msu.edu/fs2/mozambique/policypres/Moz-SAKSS\\_1-6-2008.pdf](http://www.aec.msu.edu/fs2/mozambique/policypres/Moz-SAKSS_1-6-2008.pdf)

- b) Analysis of Rural Income and Poverty Dynamics in Mozambique. Presented by Gilead Mlay at the National Workshop for the Harmonization of Planning for 2009. After the presentation of the study, the provincial staff working in the Department of Economics requested that DE to look for possibility to provide some basic training on analysis to enable them to use the TIA data in planning and monitoring.
- c) Experiences of Different Models for Promoting Cotton Production in Africa and Implications for Mozambique: Learning from the reforms in West, Central, Eastern and Southern Africa. Presented by Raul Pitoro and Gilead Mlay at the National Cotton Meeting for negotiation of minimum producer price. See at [http://www.aec.msu.edu/fs2/mozambique/policypres/Overview\\_Mozambique\\_Port\\_web.pdf](http://www.aec.msu.edu/fs2/mozambique/policypres/Overview_Mozambique_Port_web.pdf)
- d) Market prospects for 2008. Immediately after the Windshield Survey, SIMA team with MSU's Cynthia Donovan made a presentation to Directorate of Economics staff, along with analysts from the FEWS NET and World Food Program. The Windshield Survey identified problems with the production season and changes in marketing that mean high prices into the future. Presentations and Flash will be developed in Q4 for greater outreach of the results.

### ***1.3. On-job training***

The MSU survey specialist, Ellen Payongayong, assisted and guided the staff of the Department of Statistics to compile agricultural statistics from the most recent 5 TIAs. The data are being used to look at production trends and in value chain research by analysts from the Center for Socio-Economic Studies (CESE) within IIAM.

CESE socio-economists received training from MSU specialists for the preparation of enterprise budgets. Basic material was prepared and distributed to the CESE staff and were assigned to work on enterprise budget for maize under supervision of MSU project staff and the coordinator of CESE, Feliciano Mazuze. In order to guarantee regular updating of technologies being developed and disseminated by IIAM, a guide developed by MSU was also distributed to the socio-economists and discussed, and each analyst was assigned a group of products to work on.

### ***1.4 Other aspects of IIAM support***

The in-country director continued with his advisory role to the Director General of IIAM, Director of Directorate of Training, Documentation and Technology Transfer. In addition to work on the strategic plan for IIAM, Gilead Mlay developed a draft concept note to clarify the functions of the Department of Technology Transfer and its linkage to CESE.

Both In-Country Director Gilead Mlay and MSU analyst Raul Pitoro assisted CESE on the design of socio-economic analysis for cassava value chain research on connection with a larger IIAM effort on cassava with potential FAO funding.

## **Objective 2: To strengthen the capacity of IIAM and MINAG to identify and disseminate profitable agricultural technologies**

### ***2.1 Evaluation of levels of adoption of Nicaragua – ICTAR -198 sesame variety and Nametil peanut variety in Nampula Province***

A follow-up field visit was made by Ellen Payongayong and CESE analysts to complete the household listing necessary for weighting the data to obtain representative results.

## ***2.2 Estimating the levels of adoption of Nikwaha cassava variety***

MSU staff with IIAM analysts updated the initial results from TIA 2002 using recent field data, as reported in Q2. CESE and MSU analysts are now updating the ex ante analysis with the results obtained from the field survey.

## ***2.3 Evaluation of the impact of vaccination against Newcastle Disease in Central and Southern Mozambique***

MS candidate Alda Tomo continues to move forward on the research, although with limited time available as she had a heavy coursework load this quarter. It is expected that preliminary analysis of the survey data will be concluded and additional fieldwork will be carried out in Q3.

## ***2.4 Graduate training***

The two CESE analysts, Alda Tomo and Isabel Siteo, continued with coursework for MS training in USA and Australia respectively. Tomo's program is being financed by USAID through the project while that of Siteo is being financed by the Australian Government. Tomo will be completing field work in Mozambique in Q4.

## ***2.5 Diagnostic study to identify constraints and opportunities for beans/cowpeas production and marketing in Central Mozambique.***

The Bean Value Chain Research Project under the USAID Pulses CRSP has moved forward in collaboration with SIMA staff. IIAM/CESE and SIMA staff combined the bean research with SIMA's Annual Windshield Survey of traders and producers in order to conduct the market rapid appraisal in Central and Northern Mozambique. MSU staff member Cynthia Donovan participated in the field research, with collaboration from Duncan Boughton and Gilead Mlay on the design of the research. Based on the assessment by buyers and the observed price behavior, there is an indication that the crop harvest for the crop season 2007/08 will be lower than in the previous season. New agents in the bean sector and reduced transport and communication costs have increased efficiency in the bean value chain, with high potential for further growth, although availability of quality seeds continues to be a constraint. A market appraisal for beans in the southern region will be conducted in Q4 followed by analysis and write-up of the report.

## ***2.6 Identification of potential recommendation domains for conservation agriculture***

Cynthia Donovan started working with TIA data and other data to establish recommendation domains for conservation farming technology in Mozambique. She is being assisted by a part-time research assistant at MSU. A draft report has been submitted and is under review.

## ***2.7 Others***

The IIAM website is still hosted by MSU and being regularly updated with assistance from Steve Longabaugh at MSU.

### **Objective 3: To strengthen the capacity of the Directorate of Economics to provide supportive policy environment and market information**

#### ***3.1 Analysis of Public Expenditure for the Agricultural Sector (AgPER)***

The initial expectation that the World Bank (WB) would fund part of the costs for MSU work in AgPER did not materialise, such that only the initial pledge of USD 30,000 from ReSAKSS will be available to fund MSU's participation. WB hired the local consultants for data collection and data base development plus an international consultant who will be involved in the whole processes of implementation of the study. In addition to the involvement of WB and MSU, ReSAKSS has contracted the Human Science Research Council to carry out GIS work which will involve overlaying the spatial investment data with other socio-economic data. Apart from the general AgPER, more detailed analysis is being carried out for the irrigation component with financial support from European Union. USAID is funding a separate study on private investment.

During this period the main activity implemented is data collection and it is expected that the activity will be concluded in August. MSU is playing a double role, advising MINAG on technical issues related to the implementation of the AgPER and providing technical advice in data collection. When data collection is concluded by the local consultants, MSU will play an important role in analysis and report-write-up.

#### ***3.2 In-service training of new staff of the Department of Policy***

The in-country Director assisted the MINAG Department of Policy to identify potential candidates to be contracted. The department of policy will need to organise the interviews and make recommendations to the Director of Economics about the suitability of the candidates for the posts they have applied for. The DE will then make a formal request to the Directorate of Human Resources to contract the successful applicants.

#### ***3.3 Analysis of trends of food prices in three regions of the country***

The world food crisis manifested by rapid price rise motivated MSU and its collaborators to carry out a rapid analysis of domestic price trends for maize, rice, maize flour and wheat; and import parity prices for maize and rice for Mozambique. The possible cost implications on the basic food basket were also evaluated. The results and practical recommendations were presented in Flash #50P "A Realidade a Cerca da Subida de Preços: A Dinâmica dos Preços de Alimentos em Moçambique e as Implicações Políticas" and can be found at:

[http://www.aec.msu.edu/fs2/mozambique/flash/flash\\_50P.pdf](http://www.aec.msu.edu/fs2/mozambique/flash/flash_50P.pdf)

#### ***3.4 Market outlook survey***

As indicated earlier, the annual Windshield Survey was carried out in June by the SIMA team with the participation of Cynthia Donovan. The Windshield Survey uses rapid appraisal methods to provide a market outlook for the current marketing year. Their preliminary presentation was given to MINAG/DE staff as well as FEWS NET and WFP staff, and will serve as the basis for presentations in the provinces during Q4. Two flash documents are to be prepared on the Windshield Survey results, as well as the Bean Value Chain report, mentioned earlier.

### ***3.5 Backstopping of SIMA***

Cynthia Donovan continued to provide technical backstopping to SIMA, and in this quarter the main focus was in the implementing the Windshield Survey. SIMA staff members have continued to produce the weekly market information bulletin Quente-Quente and during this period editions 665-677 were produced. The Nampula provincial market information system only produced two editions of Esisapos in the month of April (editions 271 and 272) due to computer problems and staffing. Full information is available on SIMA website <http://www.sima.minag.org.mz> .

### ***3.6 Other aspects***

Danilo Abdula continues to assist MINAG/DE in trade related matters and has contributed significantly in advising MINAG about tariffs on agricultural products.

Ellen Payongayong and Raul Pitoro undertook a rapid appraisal in the principal coconut growing areas to ascertain the distribution of the lethal yellowing disease of coconuts in order to assist in the design of the impact evaluation of the income support project of the MCC Mozambique compact. The rapid spread of the disease was noted. This research, funded under MCC, has been important for MCA design of project implementation and will contribute to IIAM planning.

## **Objective 4: Institutionalize the capacity to provide information for monitoring and evaluation of agricultural sector performance within MINAG**

### ***4.1 TIA 2007***

Preparation of TIA results tailored for dissemination in the provinces was initiated during this period and the first presentation was made in Manica, specifically targeted to the provincial government and technical staff of the provincial Directorate of Agriculture. The general TIA 2007 results were also presented in the national workshop for harmonizing planning activities. The workshop was attended by senior staff from DE, provincial directorates of agriculture and representatives from PROAGRI. It is envisaged that dissemination in all provinces will be concluded in Q4.

### ***4.2 Documentation of TIA datasets***

The preparation of Agricultural Statistics year book was initiated by compiling all the main statistics from the last 5 TIAs. These will be made available on CD's, in hard copy and on MINAG web site after being verified and approved by relevant organs in MINAG and INE as the official agricultural statistics.

### ***4.3 Preparation of TIA 2008***

Preliminary work was initiated with the revision of TIA questionnaire. The implementation of TIA 2008 is likely to face some financial constraints given that most vehicles used in previous years either need to be replaced or will require major repairs. Ellen Payongayong has been working with DE staff to seek funding for the vehicles with several institutions, including World Bank and Gates Foundation. The World Bank (WB) has shown interest in providing limited financing if TIA can accommodate additional modules and survey design to

meet their objectives under special projects with the Gates Foundation. Negotiations between MINAG and WB continue.

**Objective 5: Assist USAID-Mozambique and partners to measure program impacts**

Ellen Payongayong continued with preparatory work in collaboration with the PVOs for the implementation the INCPROX expected to start in Q4. She has been in contact with the NGOs involved to ensure the timing and collaboration necessary.

**Annex 1: MSU Mozambique Website and related Websites,  
as of June 30, 2008**



# 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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Research Reports

### 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](#)

- [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.
- [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)
- [See Complete List of Flash series](#)

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

## IIAM

- [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)

[See Complete List of IIAM Research Reports](#)

## MINAG

- RR 65E. [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)
- [See Complete List of MINAG Research Reports](#)

**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

- [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.

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

## MINAG

- [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.
- [See Complete List of MINAG Policy Presentations](#)

**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](#)

- 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)\*
- Abdula, Danilo Carimo. [Improving Maize Marketing and Trade Policies to Promote Household Food Security in Southern Mozambique](#). M.Sc. Thesis, May, 2005. (555 KB)\*
- Uaiene, Rafael N. [Maize and Sorghum Technologies and the Effects of Marketing Strategies on Farmers' Income in Mozambique](#). M.Sc. Thesis. 2004. (500 KB)

\* by MSU graduate students supported by the project

- [See Complete List of Thesis Reprints](#)

#### Professional Publications [Top](#)

- [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.
- Donovan, Cynthia, and Jaqueline Massingue. 2007. Illness, death, and macronutrients: Adequacy of rural Mozambican household production of macronutrients in the face of HIV/AIDS. *Food and Nutrition Bulletin*, Vol 28, no. 2, supplement 4: S331-338.
- [See Complete List of Professional Publications](#)

#### 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 (Boletim 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.

## Administrative Reports [Top](#)

- [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](#)
- [FewsNet](#)

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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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### IIAM

- [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.
- [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.
- [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.
- [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 Neyerere, Maputo, Mozambique.



### MINAG

- [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.
- [O nível e a estrutura das rendas dos agregados familiares rurais em Moçambique.](#) Apresentado por Raul Pitoro no "Workshop" do ReSAKSS "Avaliando Opções para o Crescimento Agrário e Redução da Pobreza em Moçambique com Vista a Intervenções Concretas," dia 2 de Abril de 2008, Hotel VIP, Maputo. A apresentação foi elaborado com a colaboração de G. Mlay, D. Mather, B. Cunguara, D. Abdula, C. Donovan, E. Payongayong, D. Boughton, F. Mazuze, e E. Macome.
- [The Impacts of Prime-age Mortality on Rural Household Income, Assets, and Poverty in Mozambique.](#) Cynthia Donovan. Invited presentation to the World Bank Workshop on Gender, Poverty and Demographics, held March 25, 2008, World Bank, Washington D.C.
- [Food Staples and African Farmers: An Investment Opportunity in a World of Rising Prices.](#) Cynthia Donovan. USAID/EGAT/Agriculture seminar, presented March 2008, Washington DC.
- [Food Security in Mozambique.](#) Duncan Boughton and Cynthia Donovan. A Presentation on food security issues and future directions for the public sector in Mozambique, including the Ministry of Agriculture and development agencies, at the Department of Agricultural, Food, and Resource Economics, for the Graduate Students Brown Bag. January 17, 2008. Michigan State University, East Lansing, Michigan.
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- [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.
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- [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)
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- [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?](#)



## Research Reports

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### IIAM

- [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)
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- [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](#).
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- Plano de Investimento para o Período de 2007-2011. Maputo, 31 de Julho de 2006.
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- 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)
- RP62E: [Toward Improved Marketing and Trade Policies to Promote Household Food Security in Central and Southern Mozambique: 2007 Update](#). David Tschirley and Danilo Abdula. September 2007. (CDIE Reference number PN-ADL-027)
- [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 paper was commissioned by the World Bank. This draft version appears here by the permission of the World Bank; the final version will be published as an official World Bank publication)
- RP61P. [Mudanças nos Padrões dos Rendimentos de Agregados Familiares Rurais em Moçambique de 1996 a 2002 e suas Implicações para a Contribuição da Agricultura para a Redução da Pobreza](#). Duncan Boughton, David Mather, David Tschirley, Tom Walker, Benedito Cunguara, and Ellen Payongayong. Dezembro de 2006. (CDIE Reference number PN-ADK-108)
- RP61E. [Changes in Rural Household Income Patterns in Mozambique, 1996-2002, and Implications for](#)



## Policy Presentations

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The following are a series of selected policy presentations made by or with the assistance of MSU personnel since October 2001.



### IIAM

- [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.
- [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.
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### MINAG

- [Inquérito da Janela 2008: Resultados do Inquérito](#). Equipe do SIMA. Apresentação numa Sessão do Governo Provincial de Nampula. Cidade de Nampula, Agosto de 2008.
- [Food Crises and Food Markets: Implications for Emergency Response in Southern Africa](#). David Tschirley and T.S. Jayne. MSU Policy Synthesis 82. July 2008.
- [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.
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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.

- [O nível e a estrutura das rendas dos agregados familiares rurais em Moçambique](#). Apresentado por Raul Pitoro no “Workshop” do ReSAKSS “Avaliando Opções para o Crescimento Agrário e Redução da Pobreza em Moçambique com Vista a Intervenções Concretas,” dia 2 de Abril de 2008, Hotel VIP, Maputo. A apresentação foi elaborado com a colaboração de G. Mlay, D. Mather, B. Cunguara, D. Abdula, C. Donovan, E. Payongayong, D. Boughton, F. Mazuze, e E. Macome.
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- [The Ones Left Behind: Rural households and poverty in Mozambique after the death of an adult](#). Cynthia Donovan and David Mather. Presentation at the CASID/WID Friday Forum, International Center, Michigan State University. 30 November 2007.
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## Reprint Series - Theses

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- Cunguara, Benedito Armando. [Pathways Out of Poverty in Rural Mozambique](#). M.Sc. Thesis. 2008. (2 MB)\*
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- Uaiene, Rafael N. [Maize and Sorghum Technologies and the Effects of Marketing Strategies on Farmers' Income in Mozambique](#). M.Sc. Thesis. 2004. (500 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)
- Dengo, Maria Nita. Household Expenditure Behavior and Consumption Growth Linkages in Rural Nampula Province, Mozambique. M.Sc. Thesis. December 1992. PN ABS 943.\*

\* by MSU graduate students supported by the project



# 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