

# **FOOD SECURITY RESEARCH PROJECT – ZAMBIA**

**Annual Report, FY 2005**  
(October 2004 to September 2005)

**A Collaborative Research, Capacity Building, and Policy Outreach Project**

*between*

**The Ministry of Agriculture and Cooperatives (MACO)  
The Agricultural Consultative Forum (ACF)  
The Central Statistical Office (CSO) / Ministry of Finance  
Michigan State University's Department of Agricultural Economics (MSU)  
United States Agency for International Development/Zambia (USAID)**



*Research and Outreach Supported By:*

**Ministry of Agriculture & Cooperatives**



**The Agricultural Consultative Forum**



**Michigan State University  
Agricultural Economics**



**USAID**  
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# 1. Brief Overview and Facts

## Cooperating Institutions

Ministry of Agriculture and Cooperatives (MACO), Economics and Market Development Department:  
Policy and Planning Branch and Marketing Development Branch

Agricultural Consultative Forum (ACF)

Central Statistical Office (CSO), Agriculture and Environment Division

Golden Valley Agricultural Research Trust (GART)

University of Zambia (UNZA), Institute for Social and Economic Research (INESOR)

Food Reserve Agency (FRA)

Agency for International Development, Zambia Mission (USAID/Zambia)

Agency for International Development, Bureau for Economic Growth, Agriculture and Trade, Office  
of Agriculture and Food Security (EGAT/AFS)

Department of Agricultural Economics, Michigan State University (MSU)

- Project Brochure: Summarizes project approach and output (to be posted)
- Project Annual Output Report: [04/05](#)
- [Contact Information](#): in-country personnel, U.S. based backstop and collaborative institutions.
- Prior [Project Fact Sheet](#): summarizes project approach and output, August 1999-September 2003

## 2. Objectives

FSRP's mandate is to contribute to effective policy dialogue, capacity building, and ultimately an improved agricultural policy environment in Zambia, through collaboration with government and the private sector. The FSRP aims to achieve these objectives through in-service capacity building, applied analysis, and policy outreach. A hallmark of the MSU/FSRP approach is the "joint products" approach, whereby training, applied research, and outreach are undertaken collaboratively with in-country stakeholders and government counterparts. The "joint products" approach is designed to achieve these broad results:

*Capacity building* for local Zambian counterparts, including training in the design, implementation, and analysis of household-level and market-level data collection for policy analysis and priority-setting purposes. This is accomplished mainly through in-service training of public and private sector collaborators, but also through training courses and seminars targeted to specific government organizations where improved analytical capacity is most needed;

*Applied research* to provide baseline information on smallholder production patterns and crop mix, input use, marketing behavior, measures of farm productivity, farm and non-farm incomes, food purchases and consumption, and other basic household-level information necessary to monitor the impacts of changes in the agricultural policy environment on selected socio-economic and regional groups in Zambia; and

*Outreach activities* to liaise with ACF, MACO, and other public and private policy making groups in Zambia on strategies for promoting smallholder agricultural productivity and income growth, and household food security in support of improved agricultural policy making in Zambia.

To carry out its research mandate, the FSRP in Zambia aims to: (a) strengthen the capacity of MACO, ACF, and other institutions or government agencies responsible for food security in Zambia to carry out applied research and policy analysis on food security; (b) strengthen the capacity of MACO to help coordinate research on national food security issues; (c) strengthen the Central Statistical Office

(CSO) to carry out surveys, manage and process data, and perform basic analyses useful to policy makers; and (d) strengthen MACO's management and implementation of agricultural marketing information services.

### **3. Implementation Approach of the Food Security Research Project**

The FSRP's main base is its field office in Lusaka. Field office research fellows and research specialists collaborate intensively with MSU campus-based staff on analysis and outreach efforts. This is complemented by frequent TDY visits of campus faculty to Zambia to work with the Lusaka-based team and officials from local collaborating organizations.

The FSRP's substantive research and outreach activities are guided by the FSRP's semi-annual Advisory Board consultations. From these Board meetings, an agenda for research, technical support, and outreach activities is identified and approved. Members of the Advisory Board include MACO, ACF, INESOR/UNZA, CSO, USAID, and FSRP.

### **4. Major Achievements (October 2004 – September 2005)**

- 4.1 Improved maize marketing policy: FSRP/MSU continued to work closely with MACO and other stakeholders to implement improvements in the marketing/trade policy environment.
- FSRP, in collaboration with MACO and ZNFU, documented the adverse impact of District Council levies on farmers and consumers. As a result, DC levies have now been substantially lowered and harmonized across the country.
  - In collaboration with the regional organization FANRPAN, FSRP hosted government officials and private traders from the region to discuss the effects of continuing to apply import tariffs on maize price levels later this year. These discussions were then the focus of a FSRP-MACO internal retreat in Chisamba in June 2005. Within a month after these two workshops, MACO announced its intent to have the import tariff waived. The Zambian government abolished the import duty on maize from non-COMESA countries in September 2005. The elimination of the maize import duty is likely to improve the ability of maize trade to moderate food price levels later this season.
  - Following the conceptualization of an Agricultural Market Development Plan, FSRP provided substantive input and facilitated the production of a detailed AMDP document. AMDP focuses on market and private sector development, and a reorientation of the role of government and government agencies such as the Food Reserve Agency. During the second and third quarters of 2005, AMDP implementation commenced. FSRP facilitated a review of agricultural legislation, starting a process of legislative harmonization as a basis for the reforms proposed in AMDP.
  - FSRP assisted MACO and CSO in planning and designing the 2005 Crop Forecasting Survey. It also assisted in producing the 2005/06 National Food Balance, provided analytical input to the Government of Zambia (GRZ) to determine its import policy and related donor coordination issues.
  - FSRP has been sensitizing MACO to the need to make sure that maize imports reach local public markets in order to allow consumers to benefit from the opportunity to mill grain into meal by small-scale mills.
- 4.2 Fertilizer marketing policy: Following the initial agricultural inputs marketing policy dialogue, lead by MACO, FSRP/MSU, and IFDC, the project provided important input into MACO's Agricultural Inputs Market Development Plan. Private and public stakeholders participated in the process and a draft Agricultural Inputs Marketing (AIM) document was produced for ratification by GRZ. FSRP/MSU will remain involved in implementation of AIM Development Plan.

- 4.3 Cotton policy: In collaboration with Imperial College at Wye, FSRP/MSU hosted a major regional cotton conference in Lusaka during February 2005. The conference brought together stakeholders from Mozambique, Zimbabwe, Tanzania, and Uganda, along with a strong showing from Zambia including one Permanent Secretary. Zambia's performance relative to other countries was reviewed, as were the institutional challenges that each country faces. FSRP also consulted with Zambian stakeholders while providing technical input in the re-drafting of the Cotton Act, resulting in key changes to ensure that the focus of the Act will be on facilitation of effective coordination in the sector, rather than on heavy-handed policing.
- 4.4 Market information: FSRP/MSU continued to provide technical assistance to the Agricultural Market Information Centre (AMIC) at MACO. In spite of continued staffing problems, AMIC is developing a consistent database of commodity prices for the provincial center markets, disseminated by radio with a weekly price sheet and a bimonthly bulletin available electronically through email and an enhanced website, as well as with hard copy. In late 2004, MACO staff participated in the CIPE Workshop on Developing Guidelines for Building Sustainable Market Information Systems in Africa with Strong Public-Private Partnerships, held in Maputo, Mozambique, November 15-16, 2004. One result of this conference and dialogue with MACO staff was a shift in proposed strategy that focuses FSRP efforts on the analytical agenda at MACO headquarters with policy analysis, while promoting the establishment of local market information systems, such as the one operating in Central Province and being established in Eastern Province, with private sector partners, including ZNFU and Chambers of Commerce and Industry.
- 4.5 Conservation farming: In collaboration with the Golden Valley Agricultural Research Trust (GART), there are two main activities on Conservation Farming (CF), following up on earlier work on the profitability of potholing. Analysis continues of the Post Harvest Surveys and recent Supplemental Survey regarding farmer use of CF technologies. The earlier research indicated high potential for increasing profitability and lowering risk for farmers, but recent research indicates very low sustained adoption. Analysis continues to understand this dynamic. For the 2004/2005 cropping season, a survey of farmers who obtained Magoye rippers in Eastern and Southern Province was conducted, with data entry and cleaning currently in process. Analytical results will be available at the end of the first quarter of 2006.
- 4.6 High-level policy dialogue: FSRP/MSU continued to engage in and facilitate high-level policy outreach and dialogue.
- ZIBAC: At the request of State House, FSRP/MSU participated in policy dialogue with the President and other key policy makers during two Zambia International Business Advisory Council (ZIBAC) meetings (April and August 2005).
  - Ongoing agricultural policy dialogue: In December 2004 and June 2005, FSRP/MSU supported and facilitated MACO-led agricultural policy retreats, also attended by the Ministries of Finance and Economic Development, Commerce Trade and Industry, State House, and the Food Reserve Agency. All of the above mentioned topics were discussed at these retreats, in some cases leading to accelerated actions.
- 4.7 Capacity building: By collaborating with individuals from MACO and CSO on specific research and other activities, FSRP/MSU provided in-service training to some 40 professional staff. In addition, analytical skills training was provided to 15 professional staff.

## **5. Description of FSRP's Main Activities in FY 2005**

- 5.1 Support to MACO policy plans for crop and input marketing: FSRP was requested by MACO to provide intensive support to several MACO initiatives in 2005, namely the Agricultural Market Development Plan (AMDP) and the Agricultural Inputs Marketing Plan (AIM). The AMDP was

initially spearheaded by the now-ended ZAMTIE project, but while MACO endorsed many of the ideas contained in the initial document, most of them required substantial elaboration and analysis before they could be implemented effectively. FSRP has worked with MACO intensively in 2005 to support its efforts to finalize the AMDP and begin initial implementation.

Likewise, MACO has sought intensive support from FSRP to initiate its Agricultural Inputs Marketing Plan. This plan is the input marketing counterpart to the AMDP. Numerous FSRP activities in 2005 were dedicated to supporting MACO's development of the AIM Plan.

5.2 Collaboration with Mt. Makulu and IFPRI on HIV/AIDS research under RENEWAL: FSRP in FY05 collaborated with IFPRI on HIV/AIDS research under the RENEWAL Programme. FSRP's contribution to the RENEWAL work in Zambia has also enabled FSRP to work more closely with a multi-disciplinary team at Mt. Makulu research station to understand how to make rural communities more resistant and resilient in the face of the AIDS pandemic. FSRP has also continued to disseminate AIDS awareness information through the various field surveys that bring FSRP into contact with rural households in Zambia.

5.3 Initiation of new collaboration with DAI under the MATEP Programme: In July 2005, FSRP has begun a collaboration with DAI under the new Market Access, Trade and Enabling Policies (MATEP) Programme. FSRP's activities under MATEP entail improving rural productivity, foreign exchange earnings, and food security through focused policy analysis on the maize, fertilizer, cotton, and horticulture sectors. FSRP has been able to immediately contribute to meeting MATEP objectives building on its broader work on these sectors over the past five years. For example, as described in section 4.1, FSRP, in collaboration with MACO and ZNFU, documented the adverse impact of District Council levies on farmers and consumers. As a result, DC levies have now been substantially lowered and harmonized across the country. This important policy change has enabled FSRP to contribute almost immediately to MATEP Programme objectives.

5.4 Capacity building and analytical support to FANRPAN's regional food policy programme: FSRP has in FY05 contributed to the development and capacity of the Food, Agriculture, and Natural Resources Policy Analysis Network (FANRPAN), a regional policy network. This collaboration and capacity building was facilitated by the Rockefeller Foundation's funding to MSU and FANRPAN of a Regional Maize Marketing and Trade Project. FSRP was well placed to contribute substantively to this project, and coordinated closely with FANRPAN and MACO in research, training, and policy outreach. FSRP contributed to several FANRPAN outreach meetings in 2005, and these contributions are described more fully at the following sites:

MSU/FANRPAN Regional Trade Collaboration:

<http://www.aec.msu.edu/agecon/maizemarket/index.htm>

FANRPAN Multi-stakeholder Public Policy Dialogue 2005:

<http://www.fanrpan.org/PROGRAMME.pdf>

5.5 Value chain analysis: FSRP has continued to work closely with MACO and other partners on informing policy makers on alternative strategies for improving the welfare of smallholder farmers, consumers, and the private sector. Ongoing activities relating to the maize, fertilizer, cotton, cassava, and horticulture value chains have formed the basis for intensive discussions between FSRP, MACO, ACF, private stakeholders, and donors. These activities have led to many of the accomplishments highlighted in section 4 above. Under the MATEP Programme, FSRP will intensify its work on identifying how horticultural value chains can be organized to improve small farmer welfare and productivity, and contribute to foreign exchange earnings. FSRP, in the latter half of FY2005, also participated in a cassava task force to guide investments and programmes to improve the contribution of cassava to national and household food security. Other FSRP work in

FY05 has focused on agricultural land policy (informing the design of the land bill), conservation farming (with particular support to GART). Lastly, FSRP has continued to support MACO's development of an Agricultural Market Information Centre (AMIC) to collect, analyze, and disseminate timely information on food market prices and policy issues.

- 5.6 Government of Zambia budget allocation to the agricultural sector: FSRP has worked with MACO colleagues to show policy makers how the Government's budget to the agricultural sector is allocated. These efforts have shown that roughly 75% of the government budget to agriculture go to fertilizer subsidies, fertilizer grants, and operating costs of the Food Reserve Agency. Another 20% is allocated to salaries and wages, while only 5% go to investments such as agronomic and crop breeding research, extension, irrigation, and the like. These findings have sparked intensive discussion at senior levels of MACO. Considering that Zambia is committed to the NEPAD goal of having governments devote 10% of their national budget to agriculture, it is increasingly clear that the payoffs to this 10% will depend on how the agricultural budget is allocated.
- 5.7 Contributions to SAKSS and IEHA: FSRP has been gearing up to understand how to best contribute to the new SAKSS/IEHA initiative, both in Zambia and in the southern Africa region. FSRP staff have participated in several SAKSS/IEHA meetings designed to coordinate activities among the various producers and consumers of agricultural knowledge systems in southern Africa.
- 5.8 Support for quality agricultural data systems to provide an empirical basis for policy discussions: FSRP has continued to support the Central Statistical Office (CSO) in improving the quality of its agricultural data. FSRP found a major flaw in the procedure used by CSO to report on trends over time in agricultural production in Zambia. The existing estimates of national agricultural production are reasonably accurate in the early 1990s but underestimate production starting in the mid-1990s and thereafter. Hence, FSRP's activities may reveal that trends over the 1990s in agricultural production are somewhat more impressive than currently thought.
- 5.9 Capacity building for national agricultural data collection and analysis systems: FSRP has conducted several training programs targeted to CSO and MACO staff involved in designing, implementing, cleaning, and analyzing the Government's annual Post Harvest Surveys (PHS). This annual survey is the main instrument by which Government policy makers understand the agricultural sector and make assessments about how current policy is affecting the agricultural sector. Therefore, FSRP's activities in FY05 have been aimed at improving the Government's capacity to provide a solid empirical foundation for discussions of agricultural policy in the future.
- 5.10 Development of updated work plan: FSRP has produced a new updated work plan for FY06 and FY07, finalized after receiving guidance and agreement from the FSRP Advisory Board in October 2005. The current work plan is presented in Annex A.5.

## **6. FSRP Members**

### **Researchers Involved**

**Food Security Research Project (FSRP) In-Country Researchers:** Anthony Mwanamo, Jones Govere, Steven Haggblade, Ballard Zulu, Misheck Nyembe, and Stephen Kabwe

**MSU Campus Backstop:** Thomas Jayne (Co-Director), Michael Weber (Co-Director), Cynthia Donovan, David Tschirley, James Shaffer, Margaret Beaver, and Antony Chapoto

## **7. Pending Issues**

- 7.1 Funding: Late arrival of SO5 funding caused a three month (unplanned) gap and will likely result in a corresponding funding deficit towards the end of the agreement in 2007. The appreciation of the kwacha combined with continued inflation has increased the local expenditure rate beyond levels anticipated in the original budget and has also led to declines in real local salary levels, which are denominated in US\$.
- 7.2 MACO staffing: Support to AMIC at MACO was made difficult due to staffing problems at MACO. New staff was needed at AMIC. However, pending approval of the new ministry structure by Cabinet, no new staff could be recruited.
- 7.3 Change in FSRP local management: The project incurred increased campus support costs and increased local costs after the resignation of in-country coordinator Jan Nijhoff. While the FSRP is fortunate to have recruited new in-country coordinator Anthony Mwanaumo and new research fellow Steve Haggblade, the steep learning curve associated with assuming the in-country management position slowed the project's pace in some ways and forced the project to incur unanticipated costs.

## ANNEXES

### A.1 FSRP Policy Extension and Outreach

- FSRP briefing on Small Farmer Maize Marketing Behavior and Implications for Maize Marketing Policy in Zambia, presented at the USAID briefing on the Current Food Situation by Ballard Zulu. Presentation, USAID mission, Lusaka, September 2005.
- FSRP presentation (by Ballard Zulu) on Key Issues in the Agricultural Sector in Zambia, presented at the Zambia International Business Advisory Council (ZIBAC) Meeting, Sun Hotel, Livingstone, Zambia, 1-5 September 2005.
- [Agricultural Input Market Development Plan](#). Jones Govereh. Presentation to MACO officials, NGOs, and private sector stakeholders, Agricultural Consultative Forum, Lusaka, August 2005.
- [Using Empirical Information in the Era of HIV/AIDS to Inform Mitigation and Rural Development Strategies: Selected Results from African Country Studies](#). Presentation by D. Mather at American Agricultural Economics Association Annual Meeting, Principal Paper Session 1: What Role for Agricultural Economists in Addressing the HIV/AIDS Pandemic? Providence, Rhode Island, July 25, 2005.
- [Smallholder Maize Market Structure and Behaviour](#). B.A. Zulu, T.S Jayne. Paper presented at Smallholder Agricultural Commercialization Strategy Workshop, Protea, July 7-8, 2005.
- Ministry of Agriculture and Cooperatives/Food Security Research Project Policy Retreat, June 25-26, 2005, Chisamba, Zambia
  - [Trends in Smallholder Agriculture](#). Jones Govereh
  - [Smallholder Maize Market Structure and Behavior](#). Ballard Zulu and T.S. Jayne
  - [Crop Forecast Survey Methodology and Results](#). Michael Isimwa, Ministry of Agriculture and Cooperatives
  - [Small-scale Maize Trading in Zambia](#). Billy Mwiinga and Hyde Haantuba
  - [Priorities in Resource Allocation Within the Ministry of Agriculture and Cooperatives](#). Julius Shawa, Ministry of Agriculture and Cooperatives
  - [Trade Agreements for Consideration in the Agricultural Marketing Act](#). Hyde Haantuba, Ministry of Agriculture and Cooperatives
  - [AMDP Update and Implementation Issues: Agricultural Marketing Act Concept Paper](#). Hyde Haantuba, Ministry of Agriculture and Cooperative and Jones Govereh, FSRP
- Meeting with PS Chizyuka to introduce FSRP to him and discuss the agenda for the June policy retreat, June 7, 2005.
- FSRP participated in a meeting at FAO where FAO and WFP presented their crop and food security assessment report. Technical input was provided by FSRP on crop supply and demand estimates using 2005 CFS data, Lusaka, May 19, 2005.
- Cynthia Donovan and Hyde Haantuba met with District Ministry of Agriculture and Cooperatives staff on the establishment of the Eastern Province Market Information System, a collaborative effort with MACO and EPCCI. Meetings with private sector stakeholders included Clarke Cotton, Eastern Province Chamber of Commerce and Industry, and Radio Breeze FM. Chipata, Zambia, May 18-20, 2005.
- Jan Nijhoff, Anthony Mwanamo, and Michael Weber attended IEHA planning meeting in Pretoria, discussing establishment of regional and national SAKSS, Pretoria, South Africa, 3-5 February 2005.
- FSRP participated in a MACO maize marketing policy meeting, discussing FRA pricing, export ban and maize market interventions, Mulungushi House, Ministry of Agriculture and Cooperatives, Lusaka, February 23, 2005.
- [Competition and Coordination in Cotton Market Systems in Southern and Eastern Africa](#). FSRP presentation (by Ballard Zulu) on Zambia's Cotton Sector. International Cotton Workshop, Protea Lodge, Chisamba, Zambia, 1-2 February 2005.
- Presentation on Options for Stabilizing Food Markets in Southern Africa, by Thomas Jayne, Ballard Zulu and Jan Nijhoff, presentation at the World Bank conference on Managing Food Price Instability and Risks in Developing Countries, Washington, D.C., February 28-March 1, 2005. Attended by three senior MACO officials and one member of Parliament.



- [Competition and Coordination in Cotton Market Systems in Southern and Eastern Africa Project](#). David Tschirley and Ballard Zulu, Imperial College, UK.
- Jan Nijhoff attended DFID program planning, with focus on maize and fertilizer marketing, January 20, 2005.
- Ministry of Agriculture and Cooperatives Policy Retreat, Livingstone, Zambia, December 4-5, 2004.
  - [Structure of Zambian Agriculture](#), Jones Govereh.
  - [Increasing Output, Productivity and Incomes of Smallholder Farmers](#), Ballard Zulu.
  - [Crop Marketing Policy Issues](#), Gelson Tembo, T.S. Jayne, and James Shaffer.
  - [Strategies to Improve Household Food Security During Grain Shortfalls](#), Billy Mwiinga and Jan Nijhoff.
  - [Factors Related to Success in Smallholder Agriculture](#). Ballard Zulu, T.S. Jayne, and J. Shaffer.
  - [Private Sector-led Input Market Development](#). Jones Govereh.
  - [Agriculture Market Development Plan](#), Hyde Haantuba.
- FSRP was invited to a workshop on the Soil Fertility Consortium for Southern Africa. The workshop was aimed at discussing the synthesis of the CF work that has been done in Zambia so that it feeds in the regional work plan. The Soil Fertility Consortium for Southern Africa would be funded by the Rockefeller Foundation. Participants of the workshop came from Ministry of Agriculture and Cooperatives, NGO, and other private institutions, Nairobi, Kenya, December 9, 2004.
- FSRP worked with Agricultural Consultative Forum (ACF) to come up with guidelines of synopsis on the advantages of adopting conservation farming. Participants in two meetings came from Conservation Farming Unit, University of Zambia and Agricultural Consultative Forum.
- Donovan, Mwiinga, and Haantuba met with MACO District marketing and cooperative officers and the participants in EPAMIS from EPCCI and elsewhere, on the organization of EPAMIS, Chipata, Zambia, November 2004.

## A.2 FSRP Working Papers and Reports

- [Characteristics of Individuals Afflicted by Aids-related Mortality in Zambia](#). Antony Chapoto and T.S. Jayne. Working Paper 14. August 2005.
- [Recommendations for Adjusting Weights for Zambia Post Harvest Survey Data Series and Improving Estimation Methodology for Future Surveys](#). David J. Megill. Working Paper 13. March 2005.
- [Levies on Agricultural Commodities: Who Benefits? A Rapid Assessment](#). Billy Mwiinga, Julius Shawa, T.S. Jayne, and James Shaffer. Working Paper 12. April 2005.
- Determination of an Optimal Amount of Agricultural Lime in kg per hectare for Small-scale Farmers Using Permanent Planting Basins. Stephen Kabwe and Cynthia Donovan, submitted to Golden Valley Agricultural Research Trust for publication in GART Year Book of 2005 in October 2004.

## A.3 FSRP Policy Syntheses

- [Socio-economic Characteristics of Individuals Afflicted by Aids-related Prime-age Mortality in Zambia](#). Antony Chapoto and T.S. Jayne. Number 10. September 2005.
- [An Assessment of Current Policy Initiatives in Zambia's Cotton Sector](#). Ballard Zulu and David Tschirley. Number 9. 2004.

## A.4 Professional Publications

- Jayne, T.S., J. Govereh, M. Wanzala, and M. Demeke. 2003. Fertilizer Market Development: A Comparative Analysis of Ethiopia, Kenya, and Zambia. *Food Policy*, Vol. 28(4): 293-316. [Science Direct Summary](#).
- 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](#).

## Annex A.5. FSRP Outreach Programme (January 04): Sharing Evidence-based Research Results to Improve Agricultural Policy Making in Zambia

Who	How	When	What	Status
MACO	Lunch meetings with key MACO staff	November 25, 2005  Ongoing	<ul style="list-style-type: none"> <li>Maize price policy options</li> <li>Maize imports, waiver, SPS, and role of FRA</li> <li>Policy dynamics, i.e., price options, maize marketing</li> </ul>	Done/ongoing
Policy makers, donors, etc.	Policy Synthesis/NAIS	Ongoing	<ul style="list-style-type: none"> <li>Fertilizer: Zambia's Fertilizer Support Programme (FSP): Insights from the 2002-03 Season (J. Govereh, S. Haggblade, T. Jayne, J. Shaffer, J. Shawa, G. Mbozi)</li> <li>Zambia's 2005 Maize Imports Experience: Lessons and Implications (A. Mwanaumo, B. Zulu, J. Shawa, G. Mbozi, T. Jayne)</li> </ul>	Advanced/ongoing
USAID	Show and Tell, dry run	January 12, 2006	<ul style="list-style-type: none"> <li>FSRP activities (All)</li> </ul>	Advanced
US Ambassador/ USAID	Show and Tell, half day	January 19, 2006	FSRP activities, relevance and contribution to Zambian agriculture (All)	Advanced
Private Sector Development Group and in collaboration with USAID	Workshop, half day	January 30, 2006	Using FSRP research results in PSDP Integrating AIM, AMDP, NAP into PSDP and strengthening backward and forward linkages	Jump started
Parliamentarians	Workshop, half day	February 1, 2006	<ul style="list-style-type: none"> <li>FSRP key research results (final and preliminary), on assets, AIDS, input and technology (fertilizer and CF), production (trends, cotton) and marketing (maize, cassava, and horticulture)</li> <li>Data collection, cleaning, and management (for MPS to appreciate and lobby for resources for timely surveys)</li> </ul>	Firmed up
<ul style="list-style-type: none"> <li>All agricultural sector stakeholders and in collaboration with ACF</li> </ul>	Workshop, full day	February 2, 2006	<ul style="list-style-type: none"> <li>MACO budget analysis (J. Shawa et. al.)</li> <li>Returns to Agricultural Research and Extension (S. Haggblade)</li> <li>Toward improved productivity of Zambian agriculture (J. Govereh - fertilizer; D. Tschirley and B. Zulu - cotton; C. Donovan and S. Kabwe - conservation farming)</li> <li>Strategies to improve Zambia's ability to stabilize food supplies and prices (S. Haggblade - cassava)</li> <li>Strategies to improve maize productivity through marketing and trade improvements (B. Zulu and T. Jayne)</li> <li>Understanding horticulture value chains (D. Tschirley and M. Hichaambwa)</li> <li>Dynamics of the Livestock Sector: The case of the beef industry in Zambia (A. Mwanaumo, J. Shaffer, and S. Haggblade)</li> </ul>	Firmed up
<ul style="list-style-type: none"> <li>MACO</li> </ul>	<ul style="list-style-type: none"> <li>Retreat</li> </ul>	<ul style="list-style-type: none"> <li>June 2006</li> </ul>	<ul style="list-style-type: none"> <li>What is new and interesting from FSRP</li> <li>Key deliverables from workplan and impact on policy</li> <li>Preparing MACO for 2007 budget under the 2006-2007 MTEF</li> </ul>	No progress

**Annex 6: FSRP Website (See Next 2 pages) Available at:**  
<http://www.aec.msu.edu/agecon/fs2/zambia/index.htm>



# Zambia Food Security Research Project (FSRP)

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## Project Overview

- [Project Fact Sheet](#): summarizes project approach and output.
- [Contact Information](#): in-country personnel, U.S. based backstop and collaborative institutions.

## Research Reports [Top](#)

- [Impact Of HIV/AIDS-Related Mortality On Rural Farm Households In Zambia: Implications For Poverty Reduction Strategies](#). Antony Chapoto and T.S Jayne. Paper to be presented at the IUSSP Seminar on "Interactions between Poverty and HIV/AIDS". 12-13 December 2005. Capetown, South Africa. Draft. Nov. 2005.
- [Characteristics of Individuals Afflicted by AIDS-related Mortality in Zambia](#). Antony Chapoto and T.S. Jayne. Working Paper 14. August 2005.
- [Recommendations for Adjusting Weights for Zambia Post Harvest Survey Data Series and Improving Estimation Methodology for Future Surveys](#). David J. Megill. Working Paper 13. March 2005.
- [See Complete List of Research Reports](#)

## Reprints [Top](#)

The project has published reprints of theses by MSU graduate students supported by the project.

- [Factors Affecting Smallholder Farmers' Adoption of Soil and Water Conservation Practices in Zambia](#). Geoffrey Ndawa Chomba. 2004.
- [Factors Affecting the Use of Fertilizer by Small- and Medium-sized Farming Households in Zambia, 1997-2000](#). Eric Teague Knepper. 2002.

## Policy Syntheses [Top](#)

- [Zambia's 2005 Maize Import and Marketing Experiences: Lessons and Implications](#). Anthony Mwanaumo, T. S Jayne, Ballard Zulu, Julius Shawa, Green Mbozi, Steven Haggblade, and Misheck Nyembe. Number 11. December 2005.
- [Socio-economic Characteristics of Individuals Afflicted by AIDS-related Prime-age Mortality in Zambia](#). Antony Chapoto and T.S. Jayne. Number 10. September 2005.
- [An Assessment of Current Policy Initiatives in Zambia's Cotton Sector](#). Ballard Zulu and David Tschirley. Number 9. 2004.
- [See Complete List of Policy Syntheses](#)

## Professional Publications [Top](#)

- Jayne, T.S., Antony Chapoto, Elizabeth Byron, Mukelabai Ndiyoi, Petan Hamazakaza, Suneetha Kadiyala, and S. Gillespie. November 2005. [Community-level Relationships between Prime Age Mortality and Rural Welfare: Panel Survey Evidence from Zambia](#). Forthcoming in Review of Agricultural Economics
- Jayne, T.S., J. Govereh, M. Wanzala, and M. Demeke. 2003. [Fertilizer Market Development: A Comparative Analysis of Ethiopia, Kenya, and Zambia](#). *Food Policy*, Vol. 28(4): 293-316. [Science Direct Summary](#).
- 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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- Zambia [Agricultural Market Information Centre](#) (AMIC)

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  - [Zambia Herald Business News report on FSRP presentation at the the Agricultural Sector Budget Analysis meeting](#), organized by the Agricultural Consultative Forum, Pamodzi Hotel, Lusaka, February 7, 2006.
  - [2006 Agricultural Sector Budget Analysis](#). FSRP presentation at the Agricultural Sector Budget Analysis meeting, organized by the Agricultural Consultative Forum, Pamodzi Hotel, Lusaka, February 7, 2006
  - [Resource Allocation for Agriculture](#). FSRP presentation and discussions on GRZ 2006 budget allocation to the Agricultural Sector with Parliamentary Sub-Committees for Agriculture and Lands, and for Finance, Gemister Conference Centre, February 1, 2006, Lusaka.
  - [Public Resource Allocation and Agricultural Competitiveness](#). FSRP presentation and discussion with Private Sector Development Group, including representatives of the World Bank, SIDA, DFID, JICA, EU, MATEP, and USAID. USAID Conference Room, Lusaka, January 30, 2006.
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- **Papers**
  - [Proceedings of the Presentation on Resource Allocation for Agriculture](#) to the Parliamentary Committees on Agriculture and Lands and Economic Affairs and Labour by the Food Security Research Project. Held at Gemister Enterprises, Rhodes Park, Lusaka. February 1, 2006
  - [The Magoye Ripper: Preliminary Findings on Adoption, Benefits and Constraints](#). Stephen Kabwe and Cynthia Donovan. Draft article for the Golden Valley Agricultural Research Trust (GART) Yearbook of 2006. Magoye, Zambia, December 2005.
  - [Early Evidence on Conservation Farming in Zambia](#). Steven Haggblade and Gelson Tembo. A paper prepared for the International Workshop on "Reconciling Rural Poverty and Resource Conservation: Identifying Relationships and Remedies". Cornell University, Ithaca, New York. May 2-3, 2003.
  - [See Complete List of Papers](#)

## CSO Documents [Top](#)

- [Rural Incomes and Livelihoods Survey 2004](#). (Second supplemental survey to the 1999/2000 post harvest survey for small and medium scale holdings.
- [Post- Harvest Survey \(2001/2002\) for Small and Medium-Sized Holdings](#) (Synthetic Questionnaire)
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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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