

# FOOD SECURITY RESEARCH PROJECT POLICY RESEARCH/OUTREACH ACTIVITY REPORT 1<sup>ST</sup> QUARTER 2007



Food Security Research Project Web Site  
<http://www.aec.msu.edu/fs2/zambia/index.htm>

# **Food Security Research Project**

## **Policy Research/Outreach Activity Report -- 1<sup>st</sup> Quarter 2007**

### **I. Marketing and Commercialization**

#### **Maize**

- Continued work to finalizing the Maize Value Chain Study
- Participated in Consultation on Participatory Value Chain Management for Poverty reduction Meeting at ACF organized by World Bank
- Participate and contributed to the Agricultural Marketing Act Consultative Meeting at ACF
- Field visit to Petauke and Katete- A Rapid Appraisal of the Warehouse receipts System
- Prepared and presented information to DFID Zambia policy and management staff on maize marketing policy in Zambia

#### **Cassava**

- Facilitated the establishment of the cassava draft standards for cassava chips and cassava flour.
- Facilitated the analysis of cassava samples for cyanide levels so as to determine the standards.
- Working with the Task force on Acceleration of Cassava Utilization (ACU) to review the public comments on the cassava draft standards. The draft standards document is now ready to be tabled at the Standards Board for approval.
- Working with the Task force on Acceleration of Cassava Utilization to find means of linking up cassava producers with traders with markets. For example;
  - Had discussion with SHEMA on identifying means to link up the cassava traders and farmer to the markets, animal feed producers and millers;
  - Using the bulking agents to link cassava farmers with output markets.
- With the ACU Task Force commissioned a set of livestock feeding trials at LDT and a variety of individual farmers. Based on these results, Tiger Animal Feeds has announced its interest to purchase cassava for its stockfeeds.

#### **Horticulture**

- ◆ Continued study of price dynamics in Lusaka horticultural trade
  - Supervising the collection and processing of market volumes and price data from Soweto Market and some selected retail markets
  - Analyzing collected data with a view to understand the markets
  - Conducted a snap-shot survey to determine main horticultural procurement channels for retail traders in main retail markets of Lusaka
- ◆ Worked on preliminary design of mobile-phone based horticulture market information system
  - Using data generated under the studying of price dynamics of horticultural trade, FSRP staff have been running a pilot price/market information collection system to assist in designing the mobile phone market information in lines similar to that of the ZNFU/SHEMA short messaging system

#### **Cotton**

- Conducted interviews with selected cotton farmers in Eastern Province to get data for cotton budgets for four different groups of farmers.

- Kabwe and Tschirley worked on “Multi-Country Review of the Impact of Cotton Sector Reform in sub-Saharan Africa – Zambian Country Study” report. This report has been circulated for comments
- Worked with a Cotton Act Work Group Memo highlighting the concerns and proposals that were raised by cotton stakeholders about the current Cotton Act.
- Produced a Cotton Policy Brief highlighting success story and the challenges of the sector and why the sector needs an effective and workable Cotton Act.
- Organized a technical meeting in which the Cotton memo and the Cotton Policy brief were reviewed and a request letter for the meeting between the Cotton Working Group and the Minister was drafted and tentative dates (in month of May 2007) for the meeting were proposed.

### **Cross-cutting**

- The project organized jointly with MACO and sponsored a one day workshop on 15 Feb at ACF to solicit stakeholder input into the marketing act concept note. The note is being revised. This follows a series of meetings by a committee comprising MACO, ACF and FSRP
- FSRP was asked and has begun discussions with PROFIT to understand the effects of its work in a cost/benefit framework. The objective is to cooperate with PROFIT in their goal of documenting and demonstrating the positive effects of their "approach" to link farmers with service providers.

## **II. Agricultural Sector Growth and Investment**

- Continued work on a cross country study (Zambia, Kenya, Mozambique): of smallholder income growth and dynamics
- Posted to the FSRP web site the paper done for SAKSS-SA on Trends in Agricultural and Poverty Indicators in Zambia.
- Weber and Jayne worked on final revisions to the forthcoming FSRP paper “ Access to Land, Agricultural Growth and Poverty Reduction in Rural Zambia: Connecting the Policy Issues.
- Drafted and revised a report on “Do Input Subsidy Programs “Crowd In” or “Crowd Out” Commercial Market Development? Modeling Fertilizer Use Decisions in a Two-Channel Marketing System”.
- Developed a farm –level price map for maize and fertilizer for farms near or at the district center, remote from the center and mid-range. This enables estimation of maize:fertilizer price ratios key in determining fertilizer use profitability. These results are being overlaid onto a soil map of Zambia to produce a spatial measure of fertilizer use profitability.
- Completed the report on “Proceedings of the Ministry of Agriculture and Cooperatives and the Food Security Research Project Policy Dialogue: Achievements, Challenges and Opportunities for Continued Poverty Alleviation and Growth in the Agricultural Sector in Zambia. Held on 27-29th November, 2006 at Fringilla Lodge, Lusaka, Zambia”
- The project produced a policy synthesis on “Returns on Investments in Agriculture” Policy Synthesis Number 19 and posted it to the website.
- A report on "Raising the Productivity of Public Investments in Zambia's Agricultural Sector." Working Paper No. 20 was finalized and posted to the website.
- FSRP is engaged with ReSAKSS with the view to establish a sub-agreement between FSRP and Re-SAKSS. Apart from helping inform ReSAKSS's research agenda in the region, this agreement will not only assist ReSAKSS tap into FSRP's research work in Zambia but will provide a regional platform which will utilize FSRP's products.

- FSRP co-financed with ACF and hosted “The 2007 Agricultural Budget Analysis Breakfast Meeting” for agricultural stakeholders on Feb 13 at Pamodzi Hotel. This is now an annual event for the project where the project prepares and presents its analysis which guides discussions. FSRP staff also work as rapporteur for these workshops.

### **III. Food Security and Vulnerability**

- FSRP staff have been analyzing 1996, 2008 Central Statistical Office (CSO) Living Conditions Monitoring Survey data to understand urban/rural horticultural consumption behavior, as part of Phase I of the Urban Consumption Survey slated for implementation in August 2007 and February 2008. This will assist in the analysis of urban horticultural and other food product consumption patterns as well consumer preferences
- Work has continued on finalization of the Urban Consumption Survey questionnaire
- Work has continued on developing of the sample design for the Urban Consumption Survey in conjunction with CSO
- Continued work on research ‘Widows access to land in the HIV/AIDS Era’. With the help of 2 students from UNZA on attachment with FSRP, we have completed sorting out the issue of missing information on fallow land in the second supplemental survey. Looking forward to re-running the analysis with updated data in the second quarter
- Finalized EDCC paper on Impacts of AIDS –related mortality on Farm households. Paper to come out in January 2008 Issue.
- Continued work with colleagues at IFPRI and MSU on the cross country analysis: characteristics of individuals dying of AIDS related causes
- Continued work on the Dynamics of Food Security Vulnerability in the presence of HIV/AIDS. First draft of the paper is ready and preliminary findings will be presented by Nicole mason at the ARC meeting in Nairobi, Kenya sometime in May 2007. A working paper to be published 2<sup>nd</sup> quarter

### **IV. Internal and regional trade**

- Prepared a paper and presentation on “Compatibility between domestic and external maize trade policies in Zambia” at a FAO workshop on: Trade Policy for Food Products Conducive to Development in Eastern and Southern Africa, Rome, 1-2 March 2007
- FSRP staff with support from two UNZA students attached with FSRP transforming the international trade data from CSO and from COMESA on cereal products
- Prepared paper and presentation: comparing maize price stability between countries supporting regional trade (Mali, Mozambique and Kenya) and those restricting regional trade (Zambia and Malawi) to be presented at the 2<sup>nd</sup> Grain Trade Summit in Nairobi, Kenya on 19<sup>th</sup> April 2007. FSRP working paper and policy synthesis to be out in the second quarter.

### **V. Natural Resource Issues**

- Worked with staff from GART to finalize the Magoye Ripper main and policy synthesis reports.
- Working to develop a concept note for a “trends in the use of conservation farming practices” study period 2001/02 through 2004/05 using PHS. Specific questions that we want to answer are: what percentage of farmers is using the CF practices? What is the diffusion rate in the use of CF practices? What influence do factors such as educational level of household head, amount of rainfall, provision of extension services and age of household head have on the use of the conservation farming practices?

- Held informal discussions with Zambian researchers and literature search on new topic of natural resource issues related to smallholder participation in emerging tourism income sources. This is work in preparation for new research theme in this area.
- Produced some preliminary descriptive statistics on farm households participating in charcoal and wood production business activities based on the first supplemental survey.

## **VI. General Policy Research Support and Project Management**

- Interacted with AMIC in order to improve price database management. FSRP will be attaching a student from UNZA to help organize the paper files before attempting to fill in missing information not entered for key commodities.
- Coordinated various data collection and management tasks with CSO, MACO and AMIC
- Worked with campus-based administrative staff to identify problems and design improvements in project accounting system.
- The FSRP team hosted Roger Bloom (ex USAID) and Richard Meyers (Ohio State University) who were conducting a site visit as part of the overall EGAT/AG assessment of the Food Security Cooperative Research Agreement with Michigan State. The pair interacted with Zambian end users of the policy analysis and related work conducted in Zambia.
- FSRP sponsored and trained CSO and MACO staff on survey data cleaning using SPSS15 from 19-24 Feb, 2007. Those trained included four MACO staff, 9 CSO provincial staff and 10 CSO staff from headquarters.
- Following training, actual cleaning of PHS 0506 data commenced from 25 Feb to 3<sup>rd</sup> March. Discussions were also held on ways to improve coverage of household listing and effective field supervision for CFS and PHS as these aspects have important impacts on quality of estimates.
- FSRP also offered a beginners course for SPSS from 5<sup>th</sup> to 9<sup>th</sup> March 2007. The course was conducted at FSRP offices and participants came from GART (5) AMIC (4) UNZA (2) ZARI (1).
- The project purchased 25 SPSS one-year licenses to be shared between MACO- DBEWU (2) and AMIC (3), CSO HQ (8) and Provinces (9), GART (2), ZARI (1). Having trained staff from these institutions on use of SPSS, provision of SPSS licenses enabled trainees to practice and improve their SPSS use skills.
- The project participated in a high profile press breakfast on 23<sup>rd</sup> January 2007 organized by USAID for the Economic Growth partners. A press kit or fact sheet was prepared and circulated to the media.
- FSRP also participated in a show and tell meeting on Wed 31<sup>st</sup> January organized for USAID economic growth partners with the Minister of Commerce trade and Industry.
- The project is forging collaboration with the Economic Statistics division of CSO. This division is responsible for national accounts, external trade, public expenditure, living conditions monitoring, and prices. As the project expands its activities, it is imperative that it works with the relevant departments of CSO.

## **VII. Staff changes**

- Long-term resident staff deployment of Anthony Chapoto and Mike Weber who arrived at station 2<sup>nd</sup> Jan and 24 Feb, respectively. The two will assist the FSRP team in food security and marketing policy and outreach.
- Temporary employment of Esnart Musukwa and Kennedy Malambo on 3 month contract Jan – March 07 to implement the pilot vegetable price collection.
- Full-time hire of Christabel Mwaba as the project accountant effective 20 Feb 2007.

## VIII. Project Visitors

- Richard Meyer & Roger Bloom (EGAT/AB) 22 – 27 Jan to conduct site visit for an assessment of FSIII activities.
- Pius Chilonda (Coordinator for ReSAKSS – Southern Africa) 23-25 January to discuss modalities for collaboration between FSRP & ReSAKSS
- Doug Merrey (FANRPAN) - 24 January to discuss scope for collaboration on planned research and outreach activities.
- Thom Jayne – 21-30 January to brief and facilitate the meetings of the FSIII External reviewers, advance analysis and outreach on maize and fertilizer value chain activities; and to help FSRP-Zambia design its 2007/08 work plan.
- Dave Tschirley- 31 Jan – 5 Feb to work with Dr. Steve Haggblade and other FSRP colleagues to develop CAADP frameworks for Pillars II (Markets and Trade) and III (Food Security)
- Steve Haggblade - 1 to 5 February to work on CAADP Pillar II development, participate in preparation and execution of the Cassava Task Force Round One Wrap-Up Meeting; assist in briefing FSG evaluators
- Thom Jayne – 15 – 19 March to advance analysis and outreach on maize and fertilizer value chain activities.
- Dave Tschirley - 9 – 21 March to conduct Participatory Rapid Appraisals of cotton farmers involved with both Dunavant and Cargill, interview ginnery operators as part of a cross-country assessment of the competitiveness of the cotton sectors.
- Margaret Beaver – Feb 9 – March 13 to train CSO and MACO staff on data cleaning, assist trainees clean the 2005/06 PHS survey data and provide table preparation skills, discuss alternative ways to provide accurate national crop production estimates.



## Zambia Food Security Research Project (FSRP)

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### Most Recent Research and Outreach Publications Added to Web Site- 1<sup>st</sup> Quarter - 2007

#### Policy Syntheses

- [Urgent Need for Effective Public-Private Coordination in Zambia's Cotton Sector: Deliberations on the Cotton Act](#). David Tschirley and Stephen Kabwe. Number 21. April 2007 (CDIE reference number pending).
- [Smallholder Household Maize Production and Marketing Behavior in Zambia: Implications for Policy](#). Ballard Zulu, T.S. Jayne and Margaret Beaver. Number 20. April 2007 (CDIE reference number pending)
- [Returns to Investment in Agriculture](#). Steven Haggblade. Number 19. January 2007. (CDIE reference number pending)

#### Research Reports

- [Smallholder Household Maize Production and Marketing Behavior in Zambia and Its Implications for Policy](#). Ballard Zulu, T.S. Jayne and Margaret Beaver. Working Paper No. 22. Food Security Research Project. Lusaka, Zambia. April 2007. (CDIE reference number pending)
- [A Value Chain Task Force Approach for Managing Private-Public Partnerships: Zamiba's Task Force on Acceleration of Cassava Utilization](#). Maureen Chitundu, Klaus Droppelmann and Steven Haggblade. Working Paper No. 21. Food Security Research Project. Lusaka, Zambia. December 2006. (CDIE reference number PN-ADI-177)
- [Raising the Productivity of Public Investments in Zambia's Agricultural Sector](#). J. Govereh, J.J. Shawa, E. Malawo, and T.S. Jayne. Working Paper No. 20. Food Security Research Project. Lusaka, Zambia. December 2006. (CDIE reference number PN-ADI-176)
- [Security of Widows' Access to Land in the Era of HIV/AIDS: Panel Survey Evidence from Zambia](#). Antony Chapoto, T.S. Jayne, N. Mason. Working Paper No. 19. Food Security Research Project. Lusaka, Zambia. November 2006. (CDIE reference number PN-ADH-695)