

# FOOD SECURITY RESEARCH PROJECT – ZAMBIA

## Third Quarter Report, 2009

(July 2009 to September 2009)

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)  
Swedish International Development Agency (SIDA)

*In Pictures: Recent analysis has shown that the traditional market system has over 90% share of urban fresh produce markets, but is largely neglected especially at the wholesaling level (e.g. Soweto Market)*



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

## Acronyms

---

ACF	Agricultural Consultative Forum
ACU	Acceleration of Cassava Utilization
AFS	Agriculture and Food Security
AIDS	Acquired Immunity Deficiency Syndrome
AIM	Agricultural Input Marketing
AMIC	Agriculture Marketing Information Centre
CAADP	Comprehensive African Agriculture Development Programme
CFS	Crop Forecasting Survey
COMESA	Common Market Eastern and Southern Africa
CSO	Central Statistics Office
ECAPAPA	Eastern and Central Africa Programme for Agricultural Policy Analysis
FANRPAN	Food Agriculture and Natural Resources Policy Analysis Network
FAO	Food and Agriculture Organization of the United Nations
FoDiS	Food Crop Diversification Support Project
FRA	Food Reserve Agency
FSRP	Food Security Research Project
GART	Golden Valley Agricultural Research Trust
GMA	Game Management Areas
HIV	Human Immunity Virus
INESOR	Institute for Social and Economic Research
ITC	International Trade Centre
M&E	Monitoring and Evaluation
MACO	Ministry of Agricultural and Cooperatives
MATEP	Market Access, Trade and Enabling Policies
MCTI	Ministry of Commerce, Trade, and Industry
MoFND	Ministry of Finance and National Development
MSU	Michigan State University
NAIS	National Agriculture Information Service
NGO	Non Governmental Organization
PAM	Programme Against malnutrition
PFP	Purchase for Progress
PIU	Programme Implementation Unit
PS	Permanent Secretary

PSD	Private Sector Development Group
SAKSS	Strategic Analysis and Knowledge Support System
SIDA	Swedish International Development Agency
UNDP	United Nation Development Programme
UNZA	University of Zambia
VAT	Value Added Tax
WFP	World Food Programme
ZARI	Zambia Agricultural Research Institute
ZBF	Zambia Business Forum
ZNFU	Zambia National Farmers Union

## 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

Ministry of Finance and National Development (MFND)

Ministry of Commerce, Trade, and Industry (MCTI)

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)

## 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 local institutions and 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, Ministry of Finance and National Development, and Ministry of Commerce, Trade, and Industry 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. Status of FSRP Activities in the Third Quarter 2009**

#### **I. Public Investment Allocation for Promoting Agricultural Growth**

- Nijhoff continued work on CAADP and related Zambia agriculture budget work.
- ACF/FSRP organized a High Policy Level dialogue meeting with ministers at Protea Lodge, Chisamba. Issues discussed included, the stalled CAADP process, fertilizer support program, maize marketing and trade policy in Zambia. A number of follow up meetings were held and we have seen the CAADP process reactivated and moving forward. Tentatively, the Zambia CAADP compact will be signed on November 12<sup>th</sup>. Nijhoff and Kabaghe continue to interact with relevant stakeholders in MACO, COMESA, Donors and State House to keep the momentum going. Resulting from this meeting, the ACF/FSRP were requested to propose a detailed implementation structure and plan so the proposed fertilizer support program reforms could commence in the 2010/2011 agricultural season.
- Work with ZARI and FoDiS to evaluate the rate of return on past cassava and sweet potato research and extension continued and a draft report will be circulated in the second quarter 2010. Outreach activities will include presentations to ZARI, ACU Task Force and other stakeholders.
- Continued data collection exercise for work on measuring the impact of rural roads investment on smallholder livelihood in Zambia.
- A new subheading to the ACF/FSRP website was completed to contain as downloadable documents the output and background documents for the returns to research on sweet potato and cassava.

#### **II. Productive Assets: Options for Sustainably Increasing Productivity and Incomes**

##### *1. Land access, agricultural growth and poverty dynamics in Zambia*

- A Policy Synthesis "Access to Land and Poverty Reduction in Rural Zambia: Connecting the Policy Issues" was completed and posted to the FSRP web site and will be used for outreach dissemination over the coming months.

## 2. Alternative strategies for maintaining soil productivity

- Work continued on a linear programming model of CF in order to measure the prospective gains to smallholder income by adopting CF and shifting peak season land preparation labor to the dry season. In Aug and Sept 2009, the FSRP team received detailed feedback from the CFU. In response to their suggestions, the team will be conducting additional analysis of herbicide use alternatives. The team expects to finalize this report during Q4 2009.

## 3. Labor supply, HIV/AIDS and agriculture

- Chapoto and Jayne started working on two new studies to examine the longer-run impacts of HIV/AIDS on smallholder agriculture and rural livelihoods. These studies will look at whether the relationship between poverty and mortality has been changing in Zambia and the longer run impacts, adjustments, and potential recovery by rural farm households to prime-age morbidity and mortality in Zambia. Outreach activities from this work will include presentations at ACF/ FSRP organized workshop on AIDS, and Rural Livelihood.
- Chapoto, Jayne and Mason condensed their FSRP working paper “**Security of Widows’ access to land in the Era of HIV/AIDS**” into a journal submission which was recently accepted by Economic Development and Cultural Change. This study will be presented to Zambian policy makers in a workshop on HIV/AIDS and agriculture in Lusaka being planned for February 2010.
- Continued to work on impacts of food aid on AIDS afflicted households. A draft report will be circulated in the fourth quarter. Results from this study will be featured during the proposed FSRP HIV/AIDS workshop in February, 2010.
- A report on Cross country work on “**Characteristics Associated with Prime-Age Mortality in Eastern and Southern Africa: evidence from Zambia and Kenya**” was finalized and has been published as a MSU International Development Paper and a variant of this study has been submitted to World Development for publication, and is awaiting reviewers’ comments.
- Mason presented the paper, “**A Test of the New Variant Famine Hypothesis: Panel Survey Evidence from Zambia**”, co-authored with Jayne, Chapoto, and Robert J. Myers (Michigan State University faculty member), at the XXVII International Conference of Agricultural Economists in Beijing, China in August 2009. A revised version of the FSRP working paper of the same name was accepted for publication in September 2009 by World Development. The paper will appear in a spring 2010 issue of the journal.

## 4. Natural Resource Management

- Richardson and Tschirley continued to work with graduate student Ana Fernandez on an analysis of the effect of game management areas (GMAs) on rural household welfare. A policy synthesis entitled “**The Impacts of Wildlife Conservation Policies on Rural Household Welfare in Zambia**” (No. 33, available at <http://www.aec.msu.edu/fs2/zambia/ps33.pdf>) as well as an FSRP Working Paper entitled “**Wildlife Conservation in Zambia: Impacts on Rural Household Welfare**” (co-authored with Dr. Gelson Tembo, University of Zambia) have been produced. One manuscript from this research has been submitted to a journal for publication review, and another manuscript is currently in progress. An additional Working Paper and 1-2 additional policy syntheses from this research are planned to be produced in 4Q 2009.
- Richardson will travel to Lusaka in 4Q 2009 to participate in an outreach symposium related to the GMA research.
- Richardson continued an examination of the determinants of household income from fuel wood and non-timber forest products and an analysis of urban household energy use.

### III. Marketing and Trade: Policies Affecting Input and Output Markets

#### 1. Maize Value Chain

- ACF/FSRP organized a High Policy Level dialogue meeting with ministers at Protea Lodge in Chisamba on 15 August 2009. Among other issues, maize marketing and trade policy in Zambia was discussed. The meeting noted that the continuation of ad hoc government marketing and trade policy was hampering the growth of the agricultural sector in terms of crop diversification, regional marketing opportunities and crop productivity. In addition, the removal of the grain marketing council from the Agricultural Marketing Act proposal by MACO would render the proposed changes ineffective because without an independent board to monitor the sector then the status quo will persist. Stakeholders were urged to pressure for the inclusion of the council when the bill comes to the committee stage.
- Started work on impacts of FRA operations on smallholder livelihoods with data collection from FRA and other sources and a draft working paper is expected by the end of the 4<sup>th</sup> quarter.
- As part of the maize value chain study, Dingi Banda from MACO has been working on **“Distributional effects of maize price levels on smallholder welfare”** for his M.S thesis, though a working paper will be produced as well
- Chapoto interacted with World Food Program (WFP), Purchase for Progress (PFP) Monitoring and Evaluation department. The M & E officer wanted some input on the current maize situation in Zambia and some thoughts on whether WFP procurement via ZAMACE was a good idea given the fact that the program should benefit small-scale farmers. Main highlights of this discussion were:
  - Zambia had a surplus according to the CFS 2009 and retail market maize prices in August ranged from 40 000 to 70 000 per 50kg bag suggesting lower farm gate prices. The unfortunate development is that government has deviated from its promise to buy limited quantities for strategic reserve by announcing a more than double FRA supplemental allocation. Limited maize exports have been allowed.
  - Utilizing the market by PFP was the best approach and benefits will trickle to small holder farmers especially if the problems with storage are addressed (e.g. through warehouse receipts).
- A short updated policy synthesis on the current maize market situation in Zambia was prepared from the report on **“The 2008/09 Food Price and Food Security Situation in Eastern and Southern Africa”**. The policy synthesis highlighted concrete steps that can be taken when Zambia has a future production shortfall to avoid the situation experienced in 2008/09 when food prices surge over import parity levels.
- FSRP prepared a short note on maize pricing issues in Zambia, a portion of which was picked up by the local magazine *“The Zambian Economist”*, July 2009 issue. The FSRP item is posted to the FSRP web site under “Notes on Current Topics and Events

#### 2. Cassava Value Chain

- Feedback has been obtained from the ACU/ITC (International Trade Center) planning meeting in August on the draft document which Lungu, Chinyama and Weber prepared **“Changes in Small and Medium-Scale Household Cassava Production and Marketing Patterns Between CSO/MACO/FSRP National-Level Supplemental Survey Periods 2004 and 2008”**. This document will be finalized in Q4, 2009 after additional analysis is done on household-level area planted and other variables.

- Weber and Longabaugh worked with FSRP researchers Haggblade and Crawford to revise the FSRP web site to enhance and expand materials in the **Zambia Specific Work and Background Resources Directories**.
  - [Study of Benefits of Improved Cassava and Sweet Potato Varieties in Zambia](#)
  - [Cassava Value Chain Development in Southern Africa](#)
- Chinyama continued to work with ACU, ITC and FAO in the developing of a cassava strategy in Zambia. ITC organized a 2 day workshop in August 2009, involving stakeholders from both the public and the private sector including financial institutions. The workshop was opened by the Minister of Agriculture and was closed by the Permanent Secretary in the Ministry of Commerce Trade and Industry. ACU is finalizing the workshop proceedings which will be presented to the Minister of Agriculture soon.
- Chinyama has been invited on behalf of FSRP to sit in a committee under FAO to launch the program to include a 2.5 Kg cassava meal sachet in every 25kg bag of maize meal by a milling company on the Copperbelt in October 2009. Preparations though started in August and the committee is working with different stakeholders in order to sensitize the public on this development. FAO contracted ZNFU radio to do the publicity.
- FSRP continued efforts of market monitoring prices, volumes, and sources of cassava in Lusaka and the Copperbelt, which are the biggest markets of cassava in Zambia. This has provided vital information on the trends in prices and volumes. Collection of prices on sweet potatoes continued as well, both as an input into the returns to research study (1.1.b) and to permit future analysis of staple food markets and opportunities for consumer substitution among food staples.
- Martin Chiona, of ZARI, has led a field team collecting data on crop yields for cassava and sweet potato under farmer conditions for local and improved varieties. Write-up of these results is expected during Q1 of 2010.
- In response to a request from the ACU Task Force, FSRP has agreed to pull together information on the economics of cassava production and processing. This effort will involve interaction with Zambian farmers and processors. But given the low levels of processing domestically, it will also require processing information from more advanced cassava processors in the region (South Africa, Mozambique) and internationally (particularly Brazil and Thailand). We expect this study to be completed by Q4 2009.

### 3. Horticulture Value Chains

- *Wholesale market monitoring:*
  - Continued the collection and processing of (a) sub-hourly prices for tomato, rape, and onions three days per week in Soweto market, (b) individual lot volumes for every lot entering Soweto market for those same days, (c) the geographical origin of each lot (specific area within a district), and (d) price data in Chilenje open air market and Shoprite and Melissa supermarkets twice per week. This marks the third of collecting wholesale trade flows and retail and wholesale prices data and a rich database of 34,039 lots of tomato, rape and onion entering the main wholesale market in Lusaka (Soweto) and 16,867 wholesale or first seller and 10,537 retail price observations for these commodities. This rich data base has been and will for a long time be a source of analysis of the horticultural market dynamics which will contribute to the development of the horticultural value chains.
  - Work on a brochure with good quality pictures of different standards of tomato, rape and onion has continued and will be discussed with stakeholders. This brochure will be used to raise awareness of quality standards among farmers and traders, at the same time that prices are reported on the basis of these standards once transmission of SMS prices commences.

- *Tomato value chain*: Work involving characterization of tomato production and marketing system serving Lusaka and comparative analysis of Soweto price behavior and assessment of price variability on the level and variability of farmer returns, has been completed as Mukwiti's M.S. thesis. Additional work on tomato price variability in Zambia has continued and will be presented as an FSRP policy Synthesis.
- Mukwiti Mwiinga and David Tschirley continued working on an FSRP Working Paper as well as a chapter for publication in a CABI Science monograph based on Ms. Mwiinga's M.S. thesis and their participation in a conference on "**Socio-Economic research in vegetable production and marketing in Africa**", organized by ICIPE in Nairobi, Kenya.
- *Mobile phone based horticultural price and supply information system*: Implementation of this market information system by ZNFU delayed due to unexpected circumstances regarding funding. Consultations have continued with ZNFU and the Union is committed to this activity and will implement it as soon as funding is in place. In the mean time FSRP/MATEP has continued transmitting price and supply data to ZNFU for testing purposes.
- *Horticultural price dynamics and trade flows*: Hichaambwa completed a first draft of a working paper entitled "**The Structure and Behavior of Vegetable Markets Serving Lusaka**". The analysis looks at the importance of vegetables (tomato rape and onion) in consumption budgets of Lusaka households, wholesale supply characteristics, main market flow channels and price behavior.

#### 4. Cotton Value Chain

FSRP/MATEP has remained engaged on a practical policy level and has continued to utilize its research results to contribute to forward momentum towards eventual enactment of the revised Cotton Act and the Cotton Board that was formed afterwards. It has continued to interact with the Cotton Board advising on activities and issues in the cotton sector as well as other matters pertaining to the board's activities. The project has also participated in a multi-country comparative study on regulatory frameworks of the cotton sector. This work came out of the earlier multi-country comparable study on cotton reforms and will draw stakeholders to broader experiences of the impacts these have on the cotton sector in the Sub Sahara Africa region. Detailed activities carried out during the quarter are:

- Tschirley and Kabwe made a presentation on cotton sector regulatory approaches in Africa at a virtual workshop sponsored by the World Bank. This work was part of a broader regional effort growing out of the previous work that FSRP did with colleagues from across the continent on cotton sector reform.
- Kabwe and Tschirley (by Skype) participated in a meeting with Cotton Association of Zambia to strategize on how to move forward with an information system on the credit status of smallholder cotton farmers in the country. This system is expected to be the precursor to a credit bureau for the sector. As part of its role as a non-voting advisory member of the Board, FSRP agreed to initially host the database on its server and to strategize with the newly formed Cotton Board on how to use the resulting data to improve understanding of and programs in the sector.
- At the request of CAZ and GAZ, FSRP prepared a profile of activities the project undertakes in the cotton value chain for the benefit of the newly established Cotton Board.
- Working with Kabwe, Tschirley finished a draft of the regulatory report for Zambia. This work is part of a broader regional effort growing out of the previous work that FSRP did with colleagues from across the continent on cotton sector reform.
- Kabwe participated in a meeting with Secretary to the Cotton Board. Among issues discussed were registration of smallholder farmers, registration fees and cotton levies. Learning from

other Boards, Kabwe prepared a short brief note for the secretary of the Board to follow for subsequent meetings.

- As a follow up to issues of creation of the database, the Cotton Board does not want to restrict itself to reviewing just one database before making a decision which databases would be adopted. Stephen Kabwe has been involved in the discussion with the secretariat on these issues. Therefore, the Cotton Board will now review the database of Dunavant, in addition to the CAZ data base. A meeting to make a presentation on this database is organized.
- Continued interacting with the Secretary to the Cotton Board on various aspects affecting the cotton sector and also issues concerning the running of newly formed board.
- Tschirley began planning analytical work with Joey Goeb, M.S. candidate at MSU, evaluating the boom-and-bust cycles in Zambia's cotton sector and examining the impact of GRZ support to maize – in the form of FRA purchases and FSP fertilizer distributions – on decisions by smallholder farmers whether to plant cotton and how much. A research report is expected on this during the first quarter of 2010.

#### 5. Fertilizer Value Chain

- ACF/FSRP team members prepared a current topic note on “The Need for FSP Reform” in September and part of this was picked up by the new Zambia magazine “Zambian Economist” for publication in an issue in September. This is posted to the FSRP web site:
- ACF/FSRP team members also responded to a Zambian Press Query with a series of Questions and Answers on reform of the Fertilizer Support Programme. This is being prepared for consideration to be posted to the FSRP web site:
- Through preparation of the above and on-going monitoring of other public information sources on change being introduced to the FSP, there is documentation that GRZ has modified the 2010 FSP programme in ways consistent with some of the recommendations of the ACF/FSRP-lead fertilizer study team in January and February of 2009. Public acknowledgements of these changes in this reporting period include:
  - [GRZ reduces agricultural input packs under FSP](#) (Post Sept 2, 2009)
  - [State ponders revision of tender procedure for agricultural inputs](#) (Daily Mail, Sept 7, 2009)
- ACF/FRSP made a presentation at the ministers' retreat workshop on the proposed reforms of the Fertilizer Support Programme in Zambia and why the adoption of the proposed recommendations had stalled. The new PS showed an interest to help move the proposals forward before the start of the 2010/2011 agricultural season and requested ACF/FSRP to propose a detailed implementation structure and plan for inclusion into the 2010 budget. As a follow up to the Ministers retreat, Kabaghe and Chapoto worked with ACF on drafting implementation structure and plan. This note was subsequently presented to the PS by Kabaghe and ACF. Among other recommendations, the team recommended that MACO sets up an independent Programme Implementation Unit (PIU) which reports to the Policy and Planning Department of the Ministry. At the policy level, the PIU will be guided by a Steering Committee comprising of the PS (chairperson), Director of Policy and Planning, MACO, Director of Budgets- Ministry of Finance and representatives from the farming community, the fertilizer Association of Zambia, the Seed Association of Zambia, Agro-Chemical Association of Zambia, Bankers Association of Zambia and the Chairperson of the Agro NGO Forum led by the Programme Against Malnutrition (PAM)

## 6. Livestock Value Chain

- The draft paper “**Zambia Livestock Sector Information from CSO/MACO/FSRP Surveys: 2007-2008 Urban Consumption Patterns and 2007/2009 Rural and Urban Livestock Numbers for Small, Medium and Large-Scale Households**” is still being revised. Feedback was obtained from MACO colleagues. This will be finalized and added to the ACF/FSRP web site in Q 4 2009.
- Weber participated in an August 12, 2009 World Bank review of a pro-poor livestock project concept note: “**Taking Stock: Mining and Enhancing Africa Livestock Sector Data**”.
- Weber has completed in this reporting period background work to add information and internet-based resources on various types of livestock to the Zambia Topic Directory on the FSRP web site.

## IV. Consumption Behavior of Urban and Rural Households

- Hichaambwa, Chapoto, Weber and Beaver continued work on finalizing a report based on the urban consumption data: “**Patterns Of Urban Consumption And Expenditure In Zambia: A General Report Based On The CSO/MACO/FSRP Urban Consumption Survey In Urban Areas Of Lusaka, Kitwe, Mansa And Kasama, 2007-2008**”.
- Spatial dimensions of staple food consumption, production and marketing Zambia operates in a regional economy. In good harvest years, Zambia exports food. In bad years, the country requires imports. Even in normal seasons, Zambia’s proximity to the DRC makes it economical for surplus commercial farms in northern and central Zambia to supply large urban markets in Katanga and Kasai provinces of DRC. This policy synthesis provides a visual map of Zambia’s population, food consumption, production and trade flows in a regional context in order to help policy makers understand spatial interactions in staple food markets. By presenting market information visually, this policy synthesis aims to help animate an ongoing dialogue on key market flows, key bottlenecks and key opportunities for improving food security in good and bad harvest years. Most of the mapping work for this study was completed in Q2 of 2009. The team produced a draft policy synthesis during Q3. It awaits comments from team members and final formatting. The team expects to publish this policy brief during Q4 2009.
- Mason, Jayne, Chapoto, and Cynthia Donovan analyzed trends in the ratio of wages to retail maize, wheat, and cassava prices in Lusaka, Kitwe, and Mansa (as well as in other urban centers in Kenya and Mozambique) from 1993-2009 to better understand ‘how high’ food prices were during the recent food price crisis and what the longer-term trends in staple food purchasing power were during the 15 years prior to the crisis. This work was presented by Mason at a symposium on “**The Food and Financial Crises and their Impacts on Achievement of the Millennium Development Goals in Africa**” at Cornell University in May and at an MSU Department of Agricultural, Food & Resource Economics brownbag in September. The paper is available as an MSU International Development Working Paper (“**Are Staple Foods Becoming More Expensive for Urban Consumers in Eastern and Southern Africa? Evidence from Kenya, Mozambique, and Zambia**”). A version of the paper was also submitted to *Food Policy* and is currently being revised following receipt of reviewer comments.

## V. Household Impact and Behavior

- FSRP in-country researchers (Chapoto, Weber and Lungu) continued working with ACF to refine, distribute and discuss the smallholder categorization tables developed to examine

various rural household socio-economic characteristics according to household land and assets access attributes. Weber also worked with Margaret Beaver to enhance the search for characteristics that distinguish at-risk-households by developing a new set of basic tables on net maize market position but including variables on calories retained on-farm from maize and from a basket of staple foods produced, including all grains, roots and tubers.

- Haggblade and Chapoto in collaboration 2 lectures with UNZA Department of Sociology and Agricultural Economics continued to work on a study that aims to improve the understanding of households' pathways into, and out of, poverty, with poverty defined from both the communities' own perspective and poverty indicators such as household welfare (asset holdings and income). Specifically, the study aims to a) provide an empirical understanding of how initially poor smallholder farmers have risen out of poverty, and the extent to which this involves interactions between agricultural markets, improved farm technology, and non-farm earnings and b) examine the dynamics of commercialized smallholder agriculture, particularly the background of households selling in staple food markets, how this changes over time, and how and if net buyers graduate to become net sellers of staple foods. Field work for this study will begin in October 2009. Part of the field interviews will be completed before the end of the rainy season. The remainder will be interviewed in July 2010.

## **VI. General Policy Research and Outreach Support, Including Zambian Collaborator In-Service Strengthening**

- Weber and Longabaugh worked with various FSRP researchers to revise the FSRP web site to enhance and expand materials in the **Zambia Specific Work and Background Resources Directories**.
  - [FSP Reform Study Tour](#)
  - [Study of Benefits of Improved Cassava and Sweet Potato Varieties in Zambia](#)
  - Livestock Value Chain
  - Horticulture Value Chain
  - [Cassava Value Chain Development in Southern Africa](#)
  - [Cotton Sector Development and Reform in Africa](#)
  - [Emergency Response and Development](#)
  - [Input Use, Input Market Development and Natural Resource Management](#)
  - [Market Information System Development](#)
  - [Output Market Development and Reform](#)
  - [Prime-Age Adult Mortality: Effects on Rural Households in Africa](#)
  - [Rural Household Income Analysis and Policy](#)
- Conducted 2 SPSS training courses for CSO and MACO staff (introductory course and syntax writing). Participants were issued with certificates upon completion of the courses. Collaboration with ACF included:
  - Participation in mid-year review of activities and work plan
  - Joint hosting of policy dialogue meetings with high level Government officials
  - Participation in stakeholder meetings
  - Dissemination of policy brief on cassava to the ACU
  - Participated in the developing of the draft terms of reference for the upcoming wheat value chain study
  - Further development of and consultations with regard to the FSP reforms
  - Participation and presentation of key note paper on strategic public private partnerships in agricultural marketing
- Participation in ACU activities
- Participation in the Cotton Task force as well as the Cotton Board
- Collaborated with FAO on cassava issues

- Participated in the Cassava Sector Strategy workshop
- Collaborated with UNZA on the Poverty Dynamics work
- Interacted with the World Food Programme with regard to the maize situation in Zambia
- Interacted with the National Milling Corporation and CHC on maize value chain issues
- Collaborated with Hon. Kapita (Special Assistant to the President for Policy Implementation and Monitoring), COMESA and MACO on agriculture policy and CAADP issues

## **VII. Staff changes**

Tadeyo Lungu left FSRP during the quarter to join the Monitoring and Evaluation Department at the Ministry of Finance and National Planning. Efforts are being made to recruit 2 Research Specialists, and a shortlist of candidates has been made.

## **VIII. Project Visitors**

- Haggblade, visited during the quarter for his continuing work in cassava value chains, return to investments in sweet potatoes research and household impact and behavior.
- Beaver, from 12 to 27 September trained MACO and CSO staff including our own Kasweka in 2 modules of SPSS: Introductory/Beginner's course and syntax writing
- Kabaghe and Chapoto met with a number of Consultants firms wishing to know more about FRSP/ACF activities in Zambia, these include representatives from Boz Allen and Hamilton Inc and DAI

## **IX. Most Recent Research and Outreach Publications Added to Web Site -3<sup>rd</sup> Quarter – 2009**

### **Policy Syntheses**

- Access to Land, and Poverty Reduction in Rural Zambia: Connecting the Policy Issues. T.S. Jayne, Ballard Zulu, Gear Kajoba, and M.T. Weber. Number 34. September 2009.
- [The Impacts of Wildlife Conservation Policies on Rural Household Welfare in Zambia](#). Ana Fernandez, Robert B. Richardson, David Tschirley, and Gelson Tembo. Number 33, September 2009.

### **Monthly Notes on Current Topics and Events**

- [The Challenges of FRA Maize Pricing](#) - July 2009. Note prepared by Jayne, Nijhoff, Weber and Kabaghe for FRA, subsequently published by the *Zambian Economist*.
- [The Need to Reform the Fertilizer Support Programme \(FSP\)](#)- August 2009. Note prepared by Weber, Mason and Jayne, subsequently part of which was published by the *Zambian Economist*

### **Research Reports**

- Wildlife Conservation in Zambia: Impacts on Rural Household Welfare. Ana Fernandez, Robert B. Richardson, David Tschirley, and Gelson Tembo. Working Paper No. 41. Lusaka, Zambia. September 2009.

- [Characteristics Associated with Prime-Age Mortality in Eastern and Southern Africa: Evidence from Zambia and Kenya](#). Antony Chapoto, T.S Jayne, L. Kirimi, and S. Kadiyala. International Development Working Paper #99. Michigan State University. September 2009.
- [Fostering Agricultural Market Development in Zambia](#). Gelson Tembo, Antony Chapoto, Thomas Jayne, and Michael Weber. Working Paper No. 40. July 2009

## Policy Presentations

- [Creation of a Public/ Private Partnership Marketing Institution](#). Chance Kabaghe. Presented at the 5th Annual General Meeting of the ACF. Pamodzi Hotel, Lusaka. 24 September 2009
- [The Impact of Wildlife Conservation on Rural Welfare in Zambia](#). Robert B. Richardson, Ana Fernandez, and David Tschirley. Presented at the U.S. Society for Ecological Economics. June 1, 2009.
- [Agricultural Trade Flows in Southern Africa: Do Regional Preferential Trade Agreements make a Difference?](#) G. Tembo and T. S. Jayne. Presented at the XXVII International Conference of Agricultural Economists, Beijing Conference Center, China, 20th August 2009.
- [A Test of the New Variant Famine Hypothesis: Panel Survey Evidence from Zambia](#). N. Mason, T. S. Jayne, A. Chapoto, & R. Myers Presented at the XXVII International Conference of Agricultural Economists, Beijing Conference Center, China, 21 August 2009.
- ACF/FSRP Agriculture Policy Dialogue with High Level Government Officials. Protea Lodge, Chisamba, Lusaka, Zambia 14-15 August 2009
  1. [Proposed Reforms of the Fertilizer Support Programme](#). Hyde Hantuba.
  2. [CAADP Zambia – So Near and Yet So Far](#). Jan Nijhoff.
  3. [Public Agriculture Expenditure](#). Jones Govereh.
  4. [Marketing and Trade in Food Staples](#). Chance Kabaghe.
- [Discussing the 2009 National Budget for Zambian Agriculture](#). Antony Chapoto. Stakeholder meeting on the Tax and Non-Tax Policy Proposals for the 2010 National Budget. 23 July 2009.



