

# FOOD SECURITY RESEARCH PROJECT – ZAMBIA

## Annual Narrative Report (October 1, 2009 to September 30, 2010)

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)**

**Zambia Food Security Research Project (FSRP)** in cooperation with the  
**Agricultural Consultative Forum (ACF)**

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**Collaborating Partners**

- Agricultural Consultative Forum (ACF)
- Ministry of Agriculture and Cooperatives (MACO) & Livestock and Fisheries (SLF)
- Central Statistical Office (CSO)
- University of Zambia - Department of Agricultural Economics and Extension (UMZA)
- Conservation Farming Unit (CFU)
- COMESA - Alliance for Commerce Trade in Eastern and Southern Africa (ACTESA)
- Zambia Agriculture Research Institute (ZARI)
- Food Security Group (FSG)/AFRE/MSU

**Food Security and Agricultural Policy Mbasela\***

**What's Behind Zambia's Record Maize Crop?**  
Analysis of the 2009/10 Maize Production Estimate from the Crop Forecast Survey. Download a presentation by FSRP/ACF and MACO/Policy and Planning Department done at Mulungushi, House, Lusaka, 28 June 2010. See also a presentation to Donor CPs.

**Awakening the Sleeping Giant**  
Making Grain Markets Work for Smallholder Farmers and Consumers in Eastern and Southern Africa. Download presentations and recommendations from a conference sponsored by the CAADP Programme, of COMESA and ACTESA, Lusaka Zambia, May 10, 2010.

**Lack of Infrastructure Costing Farmers in COMESA**  
Speaking at a COMESA/ACTESA Workshop on May 10, 2010, Zambian Minister of Agriculture, Food and Cooperatives Peter Dala said the issue of poor infrastructure such as access roads in individual countries and those linking other countries in the region needs to be tackled if COMESA countries are to achieve growth.

**More FSRP Website Additions**  
See our latest postings and subscribe to our RSS feed.

\*Mbasela is a Zambian custom of giving something extra of rewarding loyalty.

**Quick Links for News on Food Security and Agriculture/Rural Development in Zambia**

- Zambia/ACF Ag Sector Event Calendar
- ACF News Flash
- The Post On-Line
- Daily Mail On-Line
- Times On-Line
- Zambia Radio
- All Africa Com-Zambia
- Zambian Economic Blog
- CSO Monthly Bulletin
- Zambia News Feed/PANRAP
- PANRAP Event Calendar
- ZIPU SRS Trade Press Brief
- PEWS Net Zambia Market Reports
- PEWS Net Food Security Report
- RKTR Regional Prices & Markets
- JCTR Radio News Report
- Economic Association of Zambia
- House of Chiefs Blog
- Zambia Statistics

ACF Sida USAID BILL & MELINDA GATES Foundation COMESA MICHIGAN STATE UNIVERSITY



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

## Acronyms

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AACP	ACP Agricultural Commodity Programme
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
CFU	Conservation Farming Unit
COMESA	Common Market Eastern and Southern Africa
COMPACI	Competitive Africa Cotton Initiative
CSO	Central Statistical Office
DRC	Democratic Republic of Congo
ECAPAPA	Eastern and Central Africa Programme for Agricultural Policy Analysis
ECZ	Environmental Council of Zambia
EGAT/AFS	Agency for International Development, Bureau for Economic Growth, Agriculture and Trade, Office of Agriculture and Food Security
EU	European Union
FANRPAN	Food Agriculture and Natural Resources Policy Analysis Network
FAO	Food and Agriculture Organization of the United Nations
FISP	Farmer Input Support Programme
FoDiS	Food Crop Diversification Support Project
FOSUP	Farmer Organizations Support Project
FRA	Food Reserve Agency
FSRP	Food Security Research Project
FTF	Feed the Future
GART	Golden Valley Agricultural Research Trust
GIS	Geographical Information System
GMA	Game Management Areas
GTAZ	Grain Traders Association of Zambia
HIV	Human Immunodeficiency 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
PHS	Post Harvest Survey
PIU	Programme Implementation Unit
PPP	Public Private Partnership
PROFIT	Production, Finance and Technology Project
PS	Permanent Secretary
PSD	Private Sector Development Group
SAKSS	Strategic Analysis and Knowledge Support System
SEEDCO	Seed Company Ltd
SIDA	Swedish International Development Agency
TDY	Temporary Duty assignment
UNDP	United Nation Development Programme
UNZA	University of Zambia
USAID/Zambia	Agency for International Development, Zambia Mission
VAT	Value Added Tax
WFP	World Food Programme
ZARI	Zambia Agricultural Research Institute
ZBF	Zambia Business Forum
ZCF	Zambia Cooperative Federation
ZMD	Zambia Meteorological Department
ZNFU	Zambia National Farmers Union

# Annual Narrative Report

## Table of Contents

Section	Page
Acronyms.....	2
1. Brief Overview and Facts .....	5
2. Objectives .....	5
3. Implementation Approach of the Food Security Research Project .....	6
4. Overview of Major Achievements (October 2009 – September 2010).....	6
4.1 Support for Concrete Policy Change .....	6
4.2 Capacity Building .....	8
4.3 Improving the Substantive Content of Agricultural Policy Debates .....	8
5. Description of FSRP’s Main Activities - October 2009 to September 2010.....	8
5.1 Public Investment Allocation for Promoting Agricultural Growth .....	8
5.2 Productive Assets: Options for Sustainably Increasing Productivity and Incomes.....	9
5.3 Marketing and Trade: Policies Affecting Input and Output Markets .....	11
5.4 Consumption Behavior of Urban and Rural Households .....	14
5.5 Household Impact and Behavior .....	15
5.6 General Policy Research and Outreach Support, Including Zambian Collaborator In-Service Strengthening .....	15
6. FSRP Staff Members .....	17
ANNEXES.....	19
A.1 FSRP Policy Extension and Outreach Activities/Presentations .....	19
A.2 FSRP Working Papers and Reports .....	23
A.3 FSRP Policy Syntheses .....	24
A.4 Notes on Current Topics and Events .....	24
A.5 Media Coverage .....	25
A.6 Food Security and Agricultural Policy Mbasela.....	25
A.7 Professional Publications .....	25
A.8 FSRP Website.....	26

## 1. Brief Overview and Facts

### Cooperating Institutions

Ministry of Agriculture and Cooperatives (MACO), Policy and Planning Department and Agribusiness and Marketing Department  
Ministry of Livestock and Fisheries (MLF)  
Central Statistical Office (CSO), Economics and Statistics Division and Agriculture and Environment Division  
Ministry of Finance and National Development (MoFND)  
Ministry of Commerce, Trade, and Industry (MCTI)  
Agricultural Consultative Forum (ACF)  
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)  
Zambia Meteorological Department (ZMD)  
Zambia National Farmers Union (ZNFU)

## 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. 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.

*Outreach activities* to liaise with ACF, MACO, MLF 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, MLF, 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, MLF, MoFND, and MCTI to help coordinate research on national food security issues; (c) strengthen the CSO to carry out surveys, manage and process data, and perform basic analyses useful to policy makers; and (d) strengthen MACO/MLF'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 as well as on overall project management. 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, MLF, ACF, INESOR/UNZA, CSO, USAID and ZNFU.

### **4. Overview of Major Achievements (October 2009 – September 2010)**

Consistent with its mandate, the FSRP has achieved progress in (a) concrete policy change; (b) improving the evidence base for informed government policy discussions, which while not yet resulting in tangible policy change, has sowed the seeds for future improvements in the policy environment, and (c) capacity building of public agricultural entities, which will also have long-term payoffs for Zambian agriculture. Specific achievements are as follows:

#### **4.1 Support for Concrete Policy Change**

- **Cotton Value Chain:** Working to support the cotton sector since early 2006, FSRP 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. In addition to being an advisory member of the Cotton Board, the project has supported the board in developing the cotton sector strategy as well as developing and hosting the cotton farmers' database.
- **Maize Value Chain:** Working closely with public and private stakeholders in the maize value chain, FSRP continued to actively engage high level policy makers and provide timely research notes on maize marketing and trade issues in Zambia and the region at large.
  - During the year 2009-2010, ACF/FSRP initiated and continued facilitate the stakeholder consultations on the formation of the Public Private Partnership (PPP) marketing institution in Zambia. At the request of MACO, ACF/FSRP facilitated the development of an implementation manual to guide the PPP.
  - As requested by the agricultural stakeholders, FRSP conducted an analysis on the factors contributing to the 2009/2010 maize bumper harvest. This work was presented to MACO leadership, cooperating partners and the Economic Association of Zambia. The results show that, although Zambia had a good harvest in 2010, 61

percent of the maize yield growth in 2010 over prior years was due to unusually favorable weather. Because Zambia is vulnerable to major shifts in weather conditions, the country should not be lulled into a false sense of security that it will be a consistently food self-sufficient country unless efforts are made to improve the grain marketing policy environment and devote a larger share of the public agricultural budget to R&D and effective farmer extension programs. ACF/FSRP has been commended by MACO and other stakeholders in highlighting these findings.

- Through the guidance of FSRP, MACO and CSO for the first time included a module for estimating labour costs in the Corp Forecasting Survey questionnaire. This was to facilitate the analysis of the cost of production of maize and was demanded by various stakeholders. Stakeholders feel that knowledge of the empirically estimated cost of production would guide discussions in the determination of the FRA maize buying price.
- **Fertilizer Value Chain:** ACF/FSRP during the year continued coordinating the development of the FISP implementation manual to incorporate an electronic voucher. As reported last year, FISP resulted from the reforms of the FSP which ACF/FSRP actively facilitated and coordinated. This was meant to improve the implementation of the government fertilizer program with increased participation from the private sector. Despite the partial implementation of the suggested reforms by ACF/FSRP, it is noteworthy to report that the government has implemented some changes advocated by FSRP which have to some extent improved the program, e.g. reduction in the amount of fertilizer received per recipient, and reliance on camp committees to select recipients. These changes have most likely modestly improved the efficiency of FISP fertilizer use and improved the targeting of fertilizer to intended beneficiaries. ACF/FSRP will continue to encourage government to introduce the electronic voucher and increase private sector participation.
- **Cassava Value Chain:** ACF/FSRP has facilitated and supported the development of the cassava subsector strategy which was borne out of prior work on research and outreach on cassava, and support to the Task Force on Accelerated Cassava Utilization (ACU). Out of the strategy, an independent project has been born which is spearheading the commercialization and utilisation of cassava.
- **Horticulture Value Chain:** Five years of applied analysis has yielded a number of significant results which have been shared with stakeholders at different levels. Stakeholders through consultations facilitated by FSRP have recognized the need to have an institution looking at the development and interests of the horticultural sector considering the policy neglect the sector has been facing. As such, a Horticultural Task Force, with FSRP providing the Secretariat, has been formed with a long term vision of transforming this into a horticultural association which can later develop/formulate national horticultural development strategy/policy. The rich database FSRP has maintained will provide for long period to come useful analysis on trends in the structure and behaviour of vegetable markets. FSRP is now visible in the sector and has been coordinating Zambia's participation in video conferences on high value agriculture in East and Southern Africa organized by the Global Horticultural Initiative and funded by the AAACP, World Bank, COMESA and GLDN.
- **GRZ Agriculture Budget Review:** ACF/FSRP continued to facilitate active stakeholder involvement in GRZ Agriculture Budget Review: By bringing empirical analysis to bear on budget trends and implications for agricultural sector development and conducting outreach on these issues, ACF/FSRP raised the level of public debate regarding agricultural sector budgetary priorities. This budget analysis is currently used in high-level policy dialogue among key government ministers, facilitated by ACF/FSRP, about public expenditure and how to achieve 6% agriculture sector growth as per NEPAD/CAADP development targets.
- **Renewed commitment to CAADP:** ACF/FSRP has continued interacting with stakeholders in MACO, COMESA, Donors and State House to resolve technical differences

and keep the momentum in the development of the CAADP process. The signing of the CAADP Compact has been delayed due to requests by some cooperating partners for further consultations with their Embassies. Signing of the compact is now likely to be done in January 2011.

#### 4.2 Capacity Building

- The FSRP Team provided technical support to the MACO and CSO CFS data cleaning team, with training provided to a team of 30 people (20 males and 10 females). This exercise helped MACO and CSO to appreciate the need for treating data collection and cleaning as a process/chain that requires all links to be strengthened.
- FSRP continued to provide:
  - technical guidance and assistance to 1 male FSRP Research Associate at the University of Zambia to complete an MSc degree in Agricultural Economics.
  - financial assistance through graduate assistantship to 3 students at Michigan State University.

#### 4.3 Improving the Substantive Content of Agricultural Policy Debates

On a series of occasions over the reporting period, FSRP has responded to specific requests in Zambia for empirical input on key policy issues:

- **Stimulating debate on the agricultural sector implications of the 2010 budget:** ACF/FSRP provided an analysis of the agricultural sector budget allocations in Zambia to various stakeholders. The analysis highlighted the continued priority in this budget for financing fertilizer and maize market subsidies at the expense of more fundamental public good investments that are missing and are required to strengthen the building blocks for productivity increases in the Zambian agricultural sector.
- **The need to reform the Zambian fertilizer support programme:** As summarized above ACF/FSRP has continued facilitating the development and implementation of the new FISP and the electronic voucher system.
- **The Cotton Board:** ACF/FSRP, a non-voting advisory member of the board has continued supporting the Board in the development of the cotton sector strategy and farmers' database.
- **Challenges of targeting assistance to smallholder households:** Responding to interests from MACO and other Zambian and donor stakeholders in designing more effective approaches to assisting different groups of small and medium scale farmers in Zambia, FSRP researchers continued to use the Zambian rural household data sets to identify relevant categories of resource poor smallholder farmers and their characteristics. A follow up study to understand poverty dynamics in Zambia is currently on going.
- **Task Force on Acceleration of Cassava Utilization:** ACF/FSRP has facilitated and supported the development of the cassava sector strategy and an independent unit/project to spearhead the development of the sector.

### 5. Description of FSRP's Main Activities - October 2008 to September 2009

#### 5.1 Public Investment Allocation for Promoting Agricultural Growth



- Hosted a national agriculture budget analysis workshop following Government change in the budget cycle. FSRP conducted an analysis of the proposed budget allocations for 2010 and compared them to sector funding patterns in prior years.
  - At the request of FOSUP, FSRP made a presentation on the budget and investments needed to assist their stakeholders. Extracted findings from Supplemental Surveys on small and medium-scale production, marketing and other characteristics. These findings were integrated with materials from the annual budget review, and presented to FOSUP on Nov 5, 2009. “[Reporting from Agricultural Surveys: A Voice for Smallholders](#). Munguzwe Hichaambwa and Chance Kabaghe, at the Annual Small Scale Farmers' Forum, 05 Nov 2009, Barn Hotel, Lusaka.”
- FSRP, in carrying out its research and capacity building mandate:
  - supported the MACO and CSO to carry out the field pre-test of Crop Forecast Survey (CFS) questionnaires from 11<sup>th</sup> to 13<sup>th</sup> January 2010. The Purpose of carrying out a pre-test was to determine the effectiveness of the draft CFS questionnaire before it can be used in the full-scale survey. In addition, the 2009/2010 questionnaire was revised to include new questions on cost of production, and market access variables. The questions are now contained in three new sections; *Labor Costs for the Largest Maize Field*, *Maize Sales to FRA between May 2009 and Present*, and *Distance and Market Access*.
  - supported a one-day final questionnaire review workshop on Thursday, January 14, 2010 followed by providing technical support during the CFS master trainers training workshop held between 18<sup>th</sup> -27<sup>th</sup> January 2010.
- Continued to interact with stakeholders in MACO, COMESA, Donors and State House to keep the momentum in the development of the CAADP process. The signing of the CAADP compact was delayed due requests by some Cooperating Partners for further consultations with their Embassies. The hurdles have since been overcome and signing the compact is likely to take place in December 2010 or by mid-January 2011.
- FSRP in the fourth quarter assisted USAID with data to guide the USAID Zambia Feed the Future Initiative (FTF) Strategy Review Process.
- Submitted to SIDA comments on the Agriculture Chapter of the Sixth National Development Plan.
- FSRP continued to work on the research on the returns to cassava and sweet potatoes research: However, during the rainy season, the team suspended field work. Field work has resumed and expected to be completed by mid August. A draft report is expected at end of second quarter 2011.
- Work on the study on measuring the impact of rural roads investment on smallholder livelihoods in Zambia continues. Data issues delayed the analysis and circulation of a draft report.
- The study on the on the impact of service delivery activities on smallholder farmers, a collaborative effort with PROFIT continued but due to data problems the study has progressed very slowly. FSRP and Profit to review if this work should continue given the data limitations.

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

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

- As part of continuing efforts to inform issues of smallholder access to land, FSRP staff, with assistance from MSU campus-based collaborators, completed from multiple sources an extensive collection of GIS shape files on land use in Zambia to help in a visual (graphical) review of land use patterns in Zambia.
- FSRP made a submission (report) to the Parliamentary Committee on Agriculture and Lands Study on “The status of customary land and how it affects the rights of indigenous local communities”, on Monday, February 22, 2010. Potential strengths, weaknesses, and key issues

regarding three alternative approaches to land development in Zambia were presented. The submission was well received and reported by the media.

### ***Alternative strategies for maintaining soil productivity***

- Provided assistance to Mr. Joey Goeb, a Peace Corp Volunteer in Mkushi District, Musofu village. Through the Peace Corps Masters International program in the Agriculture, Food and Natural Resource Department at Michigan State University, FSRP is collaborating with US Peace Corps Zambia Office, CFU and MACO to support Mr. Goeb's conservation farming field work in Mkushi and related economic analysis of improved farming practices.
- The draft working paper by Haggblade and Plerhoples on productivity impact of conservation farming on smallholder cotton farmers has been completed and posted on the website as Working Paper No. 47. Based on this working paper a workshop on *Impacts of and Innovations for Conservation Farming* was organized in collaboration with CFU on 2 July 2010 and September 1<sup>st</sup>, 2010 with GART-sponsored Conservation Agriculture Association. Other papers presented included:
  - [Productivity Impact of Conservation Farming on Asset-Poor Households](#). Steve Haggblade. ACF/FSRP/Michigan State University
  - [Mechanized Minimum Tillage Service Provision: The Next Step Small Scale Agriculture and CF](#). Peter Aagaard, CFU

### ***Labor supply, HIV/AIDS and agriculture***

- As part of its research and capacity building, FSRP provided support to a Zambian Student from Makerere University, Uganda who is using FSRP/CSO longitudinal data to examine the longer-run impacts of HIV/AIDS on smallholder agriculture and rural livelihoods. FSRP hosted the student for a three months internship in Lusaka, from May to July 2010.
- In collaboration with PEGnet, FSRP organized a workshop on “HIV/AIDS and Development in Zambia. Taking Stock and Rethinking Policies” on 4<sup>th</sup> February 2010, at Pamodzi Hotel in Lusaka. Papers presented at this workshop are posted on the FSRP website.
- Completed a Cross country study on “Characteristics Associated with Prime-Age Mortality in Eastern and Southern Africa: evidence from Zambia and Kenya”. The paper has been published as a MSU International Development Paper and a variant of this study has been submitted to World Development.
- Published an article on the “Impacts of HIV/AIDS on agriculture and food security in Zambia” by Mason, N. M., T. S. Jayne, A. Chapoto, and R. Myers. 2010. "[A Test of the New Variant Famine Hypothesis: Panel Survey Evidence from Zambia](#)" *World Development*, 38(3): 356-368.
- Continued to collaborate with a Lecturer at UNZA on a study on whether [Food Assistance Lessen the Adverse Impacts of Adult Morbidity and Mortality on Household Welfare in Zambia?](#) Preliminary results from this work were presented at the February 4<sup>th</sup> AIDS workshop.

### ***Natural Resource Management***

- On October 27, 2009, FSRP set up an outreach advisory group for planning and organizing of a public forum on natural resources management and rural development. The group was comprised of representatives from collaborating partner organizations and the University of Zambia. With the support of a consultant, the advisory group worked with ACF/FSRP to organize a larger outreach event on December 3, 2009.
  - During the planning meeting it was also agreed that the participating stakeholders would work together to identify and obtain background resource materials for contribution to a

web based resource directory to be posted to the FSRP website. Considerable materials were identified and posted on the website.

- This effort culminated into an outreach event on “Insights on natural resource management and rural development in Zambia: Moving from research evidence to action.” The event was held on 3 December 2009 at the Taj Pamodzi Hotel in Lusaka, and was attended by approximately 120 participants, including permanent secretaries, members of Parliament, village chiefs, and representatives from government ministries, the private sector, and cooperating partner organizations. The programme included research presentations from panelists organized around the themes of community-based natural resource management and rural land use. Research presentations were followed by plenary discussions of the impacts and effectiveness of policies governing natural resources management and rural development. A summary set of policy recommendations were prepared and circulated to GRZ policy leaders in a number of ministries. The proceedings of this event and the policy synthesis can be found on the FSRP website (see annexes).

### 5.3 Marketing and Trade: Policies Affecting Input and Output Markets

#### *Maize Value Chain*

- ACF/FSRP organized meetings for stakeholders to discuss the modalities of establishing a Private Public Partnership (PPP) Marketing Institution in Zambia. The overall objective of PPP marketing institutions is to enhance market coordination and policy direction for improved agricultural market efficiency.
  - Supported the development of an Implementation Manual of the proposed PPP institution at a stakeholders’ retreat held at Fringilla Lodge from 15-20<sup>th</sup> November 2009.
  - Organized a workshop on “PPP in grain marketing in Zambia” on 6<sup>th</sup> March 2010 in Chisamba bringing together both government and private sector stakeholders to find a way forward to issues that have been rocking grain marketing every year.
- Findings of the study on ‘The Impacts of Trade Barriers and Market Interventions on Maize Price Predictability: Evidence from Eastern and Southern Africa’ were presented at the Agriculture Commodity Trade in East and Southern Africa (ACTESA) policy seminar “Food Price variability: Causes, Consequences, and policy options held on Maputo, 25<sup>th</sup> – 26<sup>th</sup> January, 2010, in Maputo, Mozambique. Findings from this study attracted media attention as reported in the *Zambian Post* on January 27, 2010: [http://www.postzambia.com/post-read\\_article.php?articleId=5013](http://www.postzambia.com/post-read_article.php?articleId=5013).
- FSRP collected information from farmer focus groups in Zambia and neighboring countries to assess how smallholders’ access to maize markets has changed in recent years. The study reported how far farmers must go to sell their maize and the number of buyers they can choose from who visit their village. Findings for Zambia, Malawi, Mozambique and Kenya were published in August and presented at various outreach events in Zambia (at MAO and ACF).
- Through the USAID support, an employee from the MACO, Mr. Dingiswayo Banda under the guidance of Prof. Thom Jayne defended his MS thesis on “**Distributional effects of maize price levels on smallholder welfare**”. He is in the process of preparing a FSRP working paper from his thesis.
- Other studies being done by students at Michigan State University with the support of MSU include:
  - Measuring the impacts of FRA on smallholder livelihoods and private sector participation in the grain sector.
  - A study on the efficiency of informal maize trade, the extent to which informal trade can stabilize maize prices in Zambia after a large bumper harvest, and how export bans affect price levels in Zambia.
- FSRP participated and made presentations in the workshop on “*Awakening the Sleeping Giant: Making Grain Markets Work for Smallholder Farmers and Consumers in Eastern and Southern*

*Africa*". Conference sponsored by the CAADP Programme, Common Market for Eastern and Southern Africa (COMESA); and by the Alliance for Commodity Trade in Eastern and Southern Africa (ACTESA). Financial support for this conference is provided by the Bill & Melinda Gates Foundation through the Guiding Investments in Sustainable Markets in Africa program (GISAMA), jointly implemented by COMESA and Michigan State University. Lusaka Zambia. May 10, 2010.

- In conjunction with CSO/MACO presented guidelines for maize marketing at the Zambia Agricultural and Commercial Show:
  - [Zambia Guidebook to Location of Expected Smallholder Maize Sales for the 2010-2011 Marketing Season: Expected Sales Volume and Number of Smallholders Selling by Province, District and Type of Small/Medium Households](#). Presentation distributed at the *Lusaka Agriculture and Commercial Show*, Lusaka. July 29-31, 2010. By MACO/CSO and ACF/FSRP.
- Analyzed the 2009/10 maize production estimates from the CFS and presented to MACO on June 28 2010 as well as to cooperating partners on July 1 2010.
- Provided talking points on "Supply, Demand, Prices and Marketing for the 2010/11 Zambian Marketing Season at the FRA organized discussion of factors to consider for the Zambian 2010/11 maize marketing season. April 23, 2010.
- FSRP made a presentation on "Is Credit and Input Distribution the Answer to Increased Crop Production and Incomes in Zambia?" at the Economics Association of Zambia Public Discussion Forum at Pamodzi Hotel on 8 April 2010.
- FSRP analyzed the 2009/10 maize production estimates from the CFS and presented to the Economics Association of Zambia, and completed a working paper and policy synthesis on the [Factors Contributing to Zambia's 2010 Maize Bumper Harvest](#).
- Due to data problems results from the work on 'analysis of the cost of production of maize in Zambia using the 2009/2010 Crop Forecasting data' was delayed. Preliminary results will be circulated for discussion with MACO and other stakeholders when the report is ready end of Q1 2010/2011.

### ***Cassava Value Chain***

- Completed work on "Changes in Small and Medium-Scale Household Cassava Production and Marketing Patterns between CSO/MACO/FSRP National-Level Supplemental Survey Periods 2004 and 2008". These results were integrated into the CFS time series analysis and the Smallholder Categorization work.
- Continued to monitor market 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.
- Completed work on economic analysis of cassava production and processing. Findings were presented to the ACU Task Force.
- With support from ACF/FSRP and other stakeholders, the Zambia Cassava Strategy was completed and awaiting publication by GRZ and International Trade Centre.

### ***Horticulture Value Chains***

- FSRP continued the collection and processing of vegetable trade volume flows and pricing data as well as regular analysis on the levels of transparent and hidden commissions charged by brokers (agents) based at Soweto market, Lusaka (fresh produce wholesale market). Work on developing informal quality grades and standards continued as well.
- FSRP team interacted with a number of Soweto Market stakeholders on the future of the fresh produce wholesaling, given that the significant investments in Soweto under the Urban Markets Development Program largely ignored these areas. Indications are that the fresh produce wholesale market is squatting on private land and may be evicted at any time. The city council officials at the market spoke of re-locating the market to another place but no concrete

arrangements have been made. This could also provide an opportunity for PPP investment in a proper fresh produce wholesale market in Lusaka.

- Completed the chapter for a CABI book on **Comparative assessment of the marketing structure and price behavior of three staple vegetables in Lusaka, Zambia**. This was based on analysis from vegetable trade volume flows and pricing data and the Urban Consumption Survey data. This report has also been published as a FSRP working paper number 44.
- Based on analysis of horticultural price dynamics and trade flows data, that of the Urban Survey Consumption and Expenditure patterns general report, the Horticultural Rapid Appraisal and additional analysis from the third Supplemental Survey, FSRP presented a paper on fruits and vegetable production, marketing and consumption at the Fruits and Vegetables Commodity of the ZNFU at its Annual General Meeting (see annexes for presentation details).
- Interacted with the JICA study team on:
  - The master plan for promotion of irrigated agriculture for smallholders in peri-urban areas in the Republic of Zambia, and assisted with background data from horticultural trade flows and prices database, Third Supplemental Survey and the Urban Consumption Survey on average monthly wholesale prices of tomato, rape and onion at Soweto Market; average monthly retail prices of tomato, rape and onion in selected outlets of Lusaka; average farm gate prices of vegetables and fruits in selected districts in the May, 2007 to April 2008 marketing season; total production, sales and consumption of vegetables and fruits in the May 2007 to April 2008 marketing season; urban household mean monthly consumption (Kw) from purchases, own production and gifts of vegetable and fruits and selected staples and legumes; general status of agricultural credit in Zambia i.e. proportion of households obtaining credit and the main transactions used for obtaining seed and fertilizer.
  - Increasing Peri-urban agriculture on what information we have on markets in the JICA team's intended operational zones. These are Soweto in Lusaka, Maramba in Livingstone, Kasanda in Kabwe, Masala in Ndola and Chisokone in Kitwe
- Hichaambwa interacted with Ms Munalula of Chongwe who wanted to develop a small scale fruits processing/preservation project. Her potential funders requested for background information on production, consumption and sales of selected fruits in Chongwe. This was provided from the SS03; Main areas in Chongwe supplying Soweto market with tomato since January 2007 were also provided from the horticultural database.
- Hichaambwa and Kabaghe participated in the video conference on **“Post Harvest and Transport Issues in East and Southern Africa”** on 22 June 2010 organized by the Global Horticulture Initiative. Hichaambwa made a country position paper and made a presentation.
- Hichaambwa and Tschirley made a presentation on **“Key Characteristics and Main Challenges in Zambia's Fresh Produce Marketing System”** at the *ACF/FSRP facilitated Horticultural Markets Development Workshop*. Pamodzi Hotel, Lusaka, Zambia. 2 July 2010.
- FSRP initiated the process of forming a Horticultural Working Group which will eventually lead to the creation of Horticultural Association of Zambia. It is envisioned that the association will spearhead the formulation of a subsector development strategy and will lobby for and articulate issues related to the sector.
- Hichaambwa and Kabaghe attended the Video Conference on:
  - “High Value Agriculture in Eastern and Southern Africa on Standards and Market Preferences: Opportunities and Constraints” on 27 July 2010 at the World Bank Zambia Offices.
  - “High Value Agriculture in Eastern and Southern Africa on Regional Trade: Opportunities and Issues” on 23 September 2010 at the World Bank Zambia Offices. Proceedings of these conferences have been posted on the website.
- A presentation by FRSP team on Horticulture value Chain:
  - [Modernizing Africa's Fresh Produce Supply Chains without Rapid Supermarket Takeover. Towards a definition of Research and Investment Priorities](#). David Tschirley. Presented at Bill & Melinda Gates Foundation, Seattle. August 11, 2010.

- [Options for Investments in Fresh Produce Markets](#). Munguzwe Hichaambwa. Presented to the African Development Bank, Zambia Country Strategy (2011-2014) Development Mission, Lusaka. 10 August 2010.

### ***Cotton Value Chain***

- FSRP continued interacting with the Cotton Board on various issues:
  - Will house the cotton database for two years as the Cotton Board's capacity is being developed to maintain the database.
  - Completed and submitted to the Cotton board a briefing paper on "Key challenges the cotton sector is facing", as an input to an international consultant developing an operational strategy for the Cotton Board.
  - Assisted the Cotton Board of Zambia to develop the terms of reference for the consultants who would develop the strategic plan for the Cotton Board
  - As part of its capacity building, FSRP supported two Cotton Board members to attend the Cotton International Advisory Committee plenary meeting of member states which was held in Lubbock Texas USA in September 2010.
- Tschirley made a presentation on the cotton regulatory framework in Zambia at the World Bank workshop in Washington DC.
- Kabaghe and Kabwe attended a ceremony where the Ministry of Agriculture and Cooperatives handed over a weir and irrigation facility to the Cotton Development Trust. This project was sponsored by the World Bank to boost production of the cotton seed crop at the research station for the industry.
- Interacted with COMPACI to explore areas of collaboration.
- Interacted with FAO in the bid to develop options for improved input supply system to cotton farmers in Zambia for piloting under the ACP Agricultural Commodity Programme (AACP).
- Presented results from a paper "Productivity impact of conservation farming on smallholder cotton farmers in Zambia" to workshop participants on conservation agriculture at Pamodzi Hotel in Zambia on September 1, 2010.
- As part of the capacity building mandate, FSRP continued to support Kabwe MS studies at UNZA. His thesis is entitled "Empirical analysis of the factors affecting efficiency in cotton production in Zambia"
- MSU student Joey Geob under the supervision of Professor David Tschirley defended his thesis the "Impact of Government Maize Supports on Smallholder Cotton Production in Zambia" written by Joey Geob.

### ***Fertilizer Value Chain***

- ACF/FSRP supported the development of the FISP implementation manual.
- Continued to support MSU graduate student research on "The effects of the Fertiliser Support Programme on Zambian smallholder behavior and income". Results from this study are expected in May 2011.

### ***Livestock Value Chain***

- FSRP prepared a paper on "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" and conducted additional livestock analysis in the context of the smallholder categorization analysis.
- Supporting a Zambian master's student studying at Bunda College, Malawi with her masters' research on Livestock production and marketing in Zambia, using the supplemental survey panel data set. This is being done in collaboration with UNZA department of Agricultural Economics Lecturer Dr. Gelson Tembo. Results from this study are expected in January 2011.

## **5.4 Consumption Behavior of Urban and Rural Households**

- FSRP prepared a policy synthesis on spatial dimensions of staple food consumption, production and marketing in the view that Zambia operates in a regional economy and has been posted on the website. It can be downloaded at <http://www.aec.msu.edu/fs2/zambia/ps38.pdf>
- Completed the general 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”. The report has been posted on the FSRP website.
- Completed an analysis of urban staple food consumption patterns in Zambia based on the urban consumption data: “Staple Food Consumption Patterns in Urban Zambia: Results from the 2007/2008 Urban Consumption Survey”. The report and a related policy synthesis have been posted to the FSRP website.
- A series of articles to be published in the CSO Monthly bulletin based on the Urban Consumption Survey general report were written. These include:
  1. General overview of urban consumption patterns in four cities of Zambia (including methodology, shares of different expenditure categories)
  2. Staple food consumption patterns in four cities of Zambia, and implications for policy
  3. What role do custom hammer milling services play in Urban food consumption of four cities in Zambia
  4. Vegetable and fruit consumption patterns in four Zambian cities and implications for policy
  5. Livestock (including fish) products consumption patterns in four Zambian cities and implications for policy
  6. Patterns and extent of urban agriculture in four Zambia cities
  7. Patterns and extent of links of urban households in four Zambia cities with rural areas

## 5.5 Household Impact and Behavior

### *Characteristics of emerging commercial smallholder farmers*

- Continued work on understanding 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). This work is being done with the assistance of 2 lectures from UNZA Department of Sociology and Agricultural Economics and the output will be produced in collaboration with COMESA/AAMP.
- Continued to work on a study on the smallholder farmer categorization/economic stratification of rural cropping households in Zambia.

## 5.6 General Policy Research and Outreach Support, Including Zambian Collaborator In-Service Strengthening

- With the assistance from MSU technologist, FSRP updated its website to enhance and expand materials in the **Zambia Specific Work and Background Resources Directories by adding Other Cross-Country Research and Outreach Topic Directories**. The website revisions included the addition of a new outreach feature of “Food Security and Agricultural Policy Mbaselas” and “Quick Links for News on Food Security and Agricultural/Rural Development in Zambia”.
- Assisted CSO and MACO with data cleaning, developing crop production estimates and the national food balance sheet. FSRP continued throughout the year to interact with the two institutions on various issues involving the CFS and PHS aimed and improved implementation and generation of better data from the field. Unfortunately, the PHS was postponed due to the National Census of Housing and Population taking at the same time
- Participation in the Cotton Task force as well as the Cotton Board
- Collaborated with UNZA on the Poverty Dynamics work

- Interaction with the JICA Study Team on the master plan for the development of irrigated peri-urban agriculture in Zambia
- Participated in the partners meeting
- Collaboration with ACTESA/COMESA during July- September 2010 included: Jayne and Kabaghe participation at the ACTESA organized conference on Agricultural risk Management Mechanisms meeting held in Malawi between 6- 9 September, 2010.
- Participated in 2 Global Horticulture Initiative organized video conferences on High Value Agriculture in East and Southern Africa
- Participated in the CSO Living Conditions Monitoring Survey data editing workshop
- Interacted with a World bank consultant on cotton issues
- Interacted with the European Union on livestock development issues, including the EU supported project on disease free zone. Raised the need to analyze the economic impact of such a zone on smallholder farmers and urban consumers.
- Hichaambwa met with Professor Biyi Daramola, the Agricultural Economist in the African Development Bank Irrigation Review Mission, and Mr. Lewis Bangwe, the Agricultural Specialist at the bank's local office and discussed market linkages for fruits and vegetables with special attention to past and future performance of irrigation schemes in which the bank has provided significant funding.
- Participated and presented a paper on the "Agricultural Surveys: A voice of smallholder farmers" at a meeting to review the Food Security Pack organized by the Norwegian Embassy
- Participated in and contributed to the hosting of an international workshop on issues affecting the cotton sector at Sandy's Creations from 8<sup>th</sup> – 10<sup>th</sup> March 2010
- Participated in the costing of the implementation plan of the cassava sector strategy
- Interacted with GTZ on the project's cotton work
- Participated in the open border policy meeting attended by various stakeholders looking at exports to the DRC at the ZNFU offices
- Interacted with ACTESA/COMESA on various issues relating to the agricultural sector especial regional trade and the CAADP
- Participated in a meeting organized by MACO where Audit Control Expertise shared their experiences which could be useful in the development of the PPP marketing institution
- Collaborated with Programme Manager for Cotton, Textiles and Clothing Sector Competitiveness of the International Trade Centre on cotton issues
- Participated in the development and launching of the Cassava Sector Strategy
- Collaborated with the Natural Resources Consultative Forum, Community Based Natural Resources Management Forum, UNZA in hosting a workshop on "*Insights on Natural Resources Management and Rural Development in Zambia: Moving from Research Evidence to Action*".
- Participated in the ZNFU Annual General Meeting and presented a paper on "*Production and Marketing of Fruits and Vegetables in Zambia: Overview of FSRP empirical analysis*".
- Participated in the Farmer Organizations Support Project and presented papers on "*reporting from Agricultural Surveys: A voice for Smallholder Farmers*" and "*Highlights of the of the 2010 National Budget*".
- Participated in CAADP meetings
- Participated in Agricultural Sector Advisory Group meetings
- Participated in the official handover of the irrigation facility to the Cotton Development Trust
- Participated in a meeting held at EU meeting to discuss agricultural extension issues in Zambia, in attendance were representatives from JICA, SIDA and the EU. The cooperating partners would like to draw from the results of the farmer categorization work in order to make recommendation to government of Zambia on how to have an effective extension system in Zambia.
- Collaboration with ACF included:
  - Hosting of the workshops on:
    - 2010 national budget analysis
    - PPP grain marketing in Zambia on 6<sup>th</sup> March 2010 in Chisamba



- analysis of the 2009/10 maize production estimates from the crop forecast survey for MACO, cooperating partners and the Economics Association of Zambia
- smallholder categorization
- development of horticultural markets
- land productivity and conservation agriculture
- high prices and the impending food crisis: short and long run responses
- Participation in the FRA organized discussions on factors to consider for the Zambian 2010/11 marketing season
- Participation in the ACF mid-term review and planning meeting
- Acceleration of Cassava Utilisation activities
- Participation in the review of the wheat value chain study
- Participation in stakeholder meetings
- Hosting a presentation by Dr. W. A. Master on Food Markets
- Hosting of partners' meeting
- Participation in the development of the ACF/FSRP work plan
- Recruitment of research specialists/associates at FSRP and research officer at ACF
- Facilitation of meetings on the development of the PPP marketing institution
- Preparation of the dairy value chain study
- Participation in the ACF biannual meeting
- Participation in FSRP Advisory Board meetings

## 6. FSRP Staff

**Food Security Research Project (FSRP) In-Country Researchers:** Chance Kabaghe (Director), Antony Chapoto (Research Coordinator), Munguzwe Hichaambwa, Solomon Tembo, Auckland Kuteya and Stephen Kabwe. Changes in personnel during the 2009/10 period include the following:

- Jan Nijhoff left the project to join the World Bank in Ghana.
- Mr. Humphrey Fandamu and Ms Alines Siwila who were recruited during the year left to join the Copperbelt University and Ministry of Labour and Social Services respectively.
- Mr. William Burke joined FSRP from MSU beginning of February 2010 and will be helping with the project's capacity building efforts of local FSRP research staff, MACO and CSO with regard to PHS, CFS and quantitative data analysis techniques.
- Dr. Nicholas Sitko joined FSRP from the University of Colorado in February 2010 to support maize marketing and trade research and outreach activities and to support the development of USAID's Feed the Future Initiative.
- Mr. Kasonde Mwaale has been seconded to the Project from the Cotton Board of Zambia as part of ACF/FSRP capacity building mandate and will assist with the development of the cotton sector database. He will be working under the supervision of Mr. Stephen Kabwe as the database for the cotton sector is being developed and implemented

**MSU Campus Backstop:** Steven Haggblade, Thomas Jayne, Mike Weber, Steve Longabaugh David Tschirley, James Shaffer and Margaret Beaver.

### *Project Visitors During the 2009/2010 Period*

- Thom Jayne visited the project:
  - with Jim Shaffer during the fourth quarter of 2009 to work on the maize and fertilizer value chains and productivity work as well as to attend the Advisory Board Meeting and other project management matters
  - January 31 to February 6 and March 15 – 27, 2010 to:

- Contribute to FSRP/GISAMA project research activities dealing with impacts of road investment and FRA operations on maize prices and smallholder cropping patterns;
  - Assist in Zambia impact assessment activities in support of USAID mission objectives;
  - Work with FSRP/ACF/MATEP colleagues on current research and outreach activities related to maize and fertilizer marketing and profitability issues.
- May 3-17 2010 to prepare and participate in the GISAMA maize marketing working, liaise with Dingi Banda on his thesis, as well as attend to project management duties.
- September 9-17, 2010 to work on maize marketing issues, initiate FSRP's FTF support to USAID, liaise with a Zambian MS student (Dingi Banda) producing an FSRP working paper from his thesis, as well as project management issues.
- David Tschirley visited FSRP:
  - during the fourth quarter of 2009 for his continuing work in horticultural and cotton value chains
  - June 25 to July 4, 2010 to prepare and participate in the developments of horticulture markets workshop as well as continue his work in horticulture and cotton value chains.
- Mike Weber visited FSRP:
  - In October and December, 2009 to support on-going work on farmer categorization , and participated in the December 3 natural resources management workshop
  - April 2 to May 8, 2010 to assist in CFS data cleaning/organization and to help develop materials and participate in the workshop for the smallholder farmer categorization on May 5. 2010.
- Robert Richardson visited fourth quarter of 2009 for his continuing work in natural resources and to organize and participated in the natural resources management workshop
- Steve Haggblade visited the project July 7-8, July 12-21 and August 30- September 2, 2010 to support the work on cassava and sweet potatoes as well as to organize and participate in the land productivity and conservation agriculture workshop
- Margaret Beaver was in Zambia March 16 to May 16, 2010 to contribute to the FSRP work plan in connection with data collection, cleaning and capacity building for Ministry of Agriculture and Cooperatives and Central Statistics Office in Zambia. Specifically, she provided technical assistance with the following:
  - March 19-23, 2010: training to data entry clerks from CSO and MACO who will enter the 2010 Crop forecast Survey (CFS) data
  - March 29 – 2 April, 2010: Stata training to FSRP research specialist and associates.
  - April 5- 9, 2010 : data cleaning training to a team from MACO and CSO in readiness for the data cleaning exercise of the 2010 CFS data
  - April 12- May 16, 2010: Technical assistance to MACO and CSO during the CFS data cleaning and tabulation exercises
- Mr. Juha Solberg from Michigan State University visited Zambia between March 25 to May 7, 2010 to assist Beaver as follows:
  - March 26 - April 2, 2010: Participate in and help document data cleaning training for a team from MACO and CSO in readiness for the data cleaning exercise of the 2010 Zambia Crop Forecast Survey (CFS) data.
  - April 5 - May 1, 2010: Participate in and help document technical assistance training to MACO and CSO staff during the CFS data cleaning and tabulation exercises.
  - March 29 – April 3, 2010: Participate in and help document Stata statistical software training to FSRP research specialist and associates.

## ANNEXES

### A.1 FSRP Policy Extension and Outreach Activities/Presentations

- [Maize Price Volatility in Zambia](#). Jan Nijhoff and Antony Chapoto. Presented at a meeting on Zambia's Agricultural Finance Market, organized by the Zambia National Farmers Union and the PROFIT Program, held in Lusaka, 9 December, 2009.
- Insights on Natural Resource Management and Rural Development in Zambia: Moving From Research Evidence to Action. Collaborating Partner Public Forum. Pamodzi Hotel, 03 December, 2009
  - [Forum Final Programme](#)
  - [Opening Comments](#) - Honorable Minister of Minister of Tourism, Environment and Natural Resources
  - Forum Summary Document and Suggestions for Action for SNDP and Beyond
    - [Recommendations for Policy Leaders in MTENR, MACO, Livestock and LANDS](#)
    - Proceedings Document
  - Panel Presentations on Community-Based Natural Resource Management
    - [The impact of wildlife management policies on communities and conservation in Game Management Areas in Zambia](#). Alimakio Zulu(NRCF)and Mwape Sichilongo (CBNRMF)
    - [Household Consumption and Natural Resource Management around National Parks in Zambia](#). Dr. Gelson Tembo, (UNZA)
    - [The Impacts of Wildlife Conservation Policies on Rural Welfare in Zambia](#). Dr. Robert Richardson, (FSRP/MSU)
  - Panel Presentations on Land Use and Intensification of agriculture/livestock production and potential for productivity enhancements
    - [The Challenge of Integrating the Goals of Productive Land Use and Broad-Based Agricultural Development in Zambia](#). Dr. Antony Chapoto (FSRP)
    - [Conservation Farming and Related Natural Resource Policies for Sustainable Agricultural Intensification-Two Key Issues](#). Peter Aagaard
    - [Improving the lives of poor farmers, rewarding farming practices that protect nature: COMACO](#). Dr. Dale Lewis, Wildlife Conservation Society
    - Supplemental Paper: [Community Markets for Conservation \(COMACO\): Scaling up Conservation Impact through Markets that Change Livelihoods](#). Dale Lewis.
- [The Impact of Wildlife Conservation on Rural Development in Zambia](#). Robert B. Richardson, Ana Fernandez and David Tschirley. Presented at Regional Science Association International (RSAI). San Francisco, CA. November 19, 2009.
- [Food Security Research Project. Briefing on FSRP Regional Trade Activities](#). Jan Nijhoff. USAID Mission. Lusaka. Monday, November 9th, 2009
- [Integrating the Goals of Productive Land Use and Broad-Based Agricultural Development](#). T.S. Jayne. FSRP. Presentation at USAID/Zambia. November 9, 2009.
- [Measuring the Effects of Natural Resource Conservation Policies on Household Welfare](#). Robert B. Richardson and David Tschirley. Brown Bag Seminar Series Department of Agricultural, Food and Resource Economics. November 10, 2009.
- [Reporting from Agricultural Surveys: A Voice for Smallholders](#). Munguzwe Hichaambwa and Chance Kabaghe, at the Annual Small Scale Farmers' Forum, 05 Nov 2009, Barn Hotel, Lusaka.
- [Food Price Spikes and Strategic Interactions between the Public and Private Sectors: Market Failures or Policy Failures?](#) T.S. Jayne and David Tschirley. Presented at the expert meeting on "Institutions and Policies to Manage Global Market Risks and Price Spikes in Basic Food Commodities," FAO Headquarters, Rome, Italy. 27-28 October 2009

- Planning Meeting for Outreach Activities: Research and Outreach Towards Game Park and Natural Resource Management to Improve Rural Household Welfare in Zambia. NRCF (Natural Resources Consultative Forum), CBNRMF (Community-Based Natural Resource Management Forum), UNZA (University of Zambia), ACF (Agricultural Consultative Forum)/FSRP (Food Security Research Project) ACF Conference Meeting Room, lot 30 G, Sable Road, Kabulonga. 27 October, 2009 at 09:30 -11:30 hrs
  - [Programme of Presentation and Discussion.](#)
  - Alimakio Zulu and Mwape Sichilongo. NRCF and CBNRMF. What was learned and possible ways forward from the June 2008 workshop: "[The Impact Of Wildlife Management Policies On Communities And Conservation In Game Management Areas In Zambia](#)".
  - Dr. Gelson Tembo, UNZA "[Household Consumption and Natural Resource Management around National Parks in Zambia](#)".
  - Dr. Robert Richardson, FSRP/MSU. "[The Impact of Wildlife Conservation Policies on Rural Welfare in Zambia.](#)"
  - Dr. Michael Weber, FSRP/MSU. "[Smallholder Land Access Research - Possible Interactions with Natural Resource & GMA Issues.](#)" See also [Table 1 and 2 handouts.](#)
- [What is in the 2010 National Budget for Zambian Agriculture?](#) ACF/FSRP in Collaboration with MACO/CSO. Breakfast Budget Review Meeting: Pamodzi Hotel, Lusaka -20 Oct, 2010.
- [Fruit and Vegetable Production, Marketing and Consumption in Zambia: Overview of Empirical Analysis by FSRP.](#) Chance Kabaghe, Munguzwe Hichaambwa, and David Tschirley. Presented at the ZNFU Fruits and Vegetables Annual General Meeting, Mulungushi International Conference Centre, Lusaka. 13 October 2009
- [The Impact of Wildlife Conservation on Rural Development in Zambia.](#) Robert B. Richardson, Ana Fernandez and David Tschirley. Presented at Regional Science Association International (RSAI). San Francisco, CA. November 19, 2009.
- [Measuring the Effects of Natural Resource Conservation Policies on Household Welfare.](#) Robert B. Richardson and David Tschirley. Brown Bag Seminar Series Department of Agricultural, Food and Resource Economics. November 10, 2009.
- [Integrating the Goals of Productive Land Use and Broad-Based Agricultural Development.](#) T.S. Jayne. FSRP. Presentation at USAID/Zambia. November 9, 2009.
- [Household Consumption and Natural Resource Management around National Parks in Zambia.](#) Gelson Tembo, UNZA. Presented at the Workshop Research and Outreach Towards Game Park and Natural Resource Management to Improve Rural Household Welfare in Zambia. October 27, 2009
- [The Impact of Wildlife Conservation Policies on Rural Welfare in Zambia.](#) Robert Richardson, FSRP/MSU. October 27, 2009
- [Smallholder Land Access Research - Possible Interactions with Natural Resource & GMA Issues.](#) See also [Table 1 and 2 handouts.](#) Michael Weber, FSRP/MSU. Oct 27, 2009
- [Tourism and Wildlife Conservation in Africa: Measuring the Impacts to Rural Households.](#) Robert B. Richardson and Ana Fernandez. Department of Agricultural, Food and Resource Economics (AFRE) Brown Bag Seminar Series. November 18, 2008.
- [Cotton Sector Regulation and Facilitation Process in Zambia. A Case Study.](#) Stephen Kabweand David Tschirley. Presented at Southern and Eastern Africa Cotton Forum (SEACF), 10th Plenary Meeting. Lusaka. 8–11 March 2010.
- Private Public Partnership in Grain Marketing in Zambia, Protea, Chisamba , Lusaka, Zambia, 6 March 2010.
  - [Program](#)
  - [A Zambia Case Study. Public Procurement and Private Sector.](#) Felix Edwards
  - [ZAMACE Role in Zambia's Grain Sector and Warehouse Receipts Success, Challenges and Opportunities.](#) Brian Tembo.
  - [Alternative Strategies for National Food Reserve Management.](#) Rob Munro.

- [Experiences, Challenges & Opportunities in Grain Trading in Zambia](#). Grain Traders Association of Zambia.
- [Regional grain trade, opportunities and constraints](#). Cris Muyunda and Jones Govere.
- [FRA Experiences & Challenges in Managing Food Reserves](#). Lazarous M. Mawele.
- [The Role of Risk Management in Food Commodity Trade](#). Jan Nijhoff.
- HIV/AIDS and Development in Zambia. Taking Stock and Rethinking Policies. February 2010, Taj Pamodzi Hotel, Lusaka
  - [Workshop Program](#)
  - [ARV Treatment in Zambia: Current Issues](#). Chileshe Mulenga. Institute of Economic and Social Research, University of Zambia.
  - [Barriers and Outcomes: TB patients co-infected with HIV accessing Antiretroviral Therapy in Rural Zambia](#). Mutale Chileshe and Virginia Bond. ZAMBART Project and LSHTM.
  - [Does Food Assistance Lessen the Adverse Impacts of Adult Morbidity and Mortality on Household Welfare in Zambia?](#) Gelson Tembo. University of Zambia Department of Agricultural Economics & Extension Education.
  - [Does AIDS Related Mortality Reduce Per Capita Household Income? Evidence from Rural Zambia](#). Toman Omar Mahmoud and Rainer Thiele. Kiel Institute for the World Economy.
  - [Policy Overview and Status of the AIDS Epidemic in Zambia](#). Ben Chirwa. National HIV/AIDS/STI/TB Council.
  - [What do we \(need to\) know about the development impact of AIDS in Africa?](#) Robert Greener
  - [Widows Land Security in the Era of HIV/AIDS: Panel Survey Evidence from Zambia](#). Antony Chapoto, Thom Jayne and Nicole Mason.
- [Zambia Agricultural Surveys: A Voice for Smallholders?](#) Antony Chapoto. Norwegian Embassy/Zambia. February 11, 2010
- [The Impact of Trade Barriers and Market Interventions on Maize Price Unpredictability: Evidence from Eastern and Southern Africa](#). A. Chapoto and T. S. Jayne. Third AAMP Regional Workshop and Seminar on: “Food Prices Variability: Causes, Consequences, and Policy Options.” Maputo, Mozambique. January 25-30, 2010.
- *ACF/FSRP Horticultural Markets Development Workshop*. Pamodzi Hotel, Lusaka, Zambia. 2 July 2010.
  - [Workshop Agenda](#)
  - [Key Characteristics and Main Challenges in Zambia’s Fresh Produce Marketing System](#). By Mr. Munguzwe Hichaambwa and Dr. David Tschirley. MSU, ACF/FSRP.
  - [African Development Bank Support To Horticulture Production And Marketing Infrastructure](#). Lewis Bangwe, Agriculture Specialist and Christopher Banda, Private Sector Specialist.
  - [Options Under Consideration For Improving Fresh Produce Wholesaling In The City Of Lusaka](#). By Paul Chipasu, Manager Markets Unit.
- *Post Harvest and Transport Issues in East and Southern Africa*. Video Conference Organized by the Global Horticulture Initiative. June 22, 2010.
  - [Conference Program](#)
  - Developments In The Horticultural Supply Chains In Zambia, [Presentation](#), [Paper](#). Munguzwe Hichaambwa.
  - [Conference Summary Report](#), Munguzwe Hichaambwa and Chance Kabaghe.
- [Analysis of the 2009/10 Maize Production Estimate from the Crop Forecast Survey](#). FSRP/ACF and MACO/Policy and Planning Department. Presentation to Cooperating Partners at ACF Conference Hall, Lusaka. 1 July 2010.
- [Food Security by The Numbers. Observations from the USAID-MSU Food Security Cooperative Agreement FS III. Challenges in Collecting and Using Information To Inform](#)

- [Goals of Poverty Reduction, Food Security, Enhanced Productivity and Income Growth for Small-Scale Farmers.](#) Michael T. Weber. Presented at *2010 USAID Economic Growth Officer's Conference*. Washington DC. June 21-25, 2010.
- [Analysis of the 2009/10 Maize Production Estimate from the Crop Forecast Survey.](#) FSRP/ACF and MACO/Policy and Planning Department. Presentation at Mulungushi, House, Lusaka. 28 June 2010.
  - *Awakening the Sleeping Giant: Making Grain Markets Work for Smallholder Farmers and Consumers in Eastern and Southern Africa.* Conference sponsored by the CAADP Programme, Common Market for Eastern and Southern Africa (COMESA); and by the Alliance for Commodity Trade in Eastern and Southern Africa (ACTESA). Financial support for this conference is provided by the Bill & Melinda Gates Foundation through the Guiding Investments in Sustainable Markets in Africa program (GISAMA), jointly implemented by COMESA and Michigan State University. Lusaka Zambia. May 10, 2010.
    - [Conference Flier](#)
    - [Conference Program.](#)
    - [GISAMA Overview.](#) Chris Muyunda
    - [Unappreciated Facts about Staple Food Markets: The Potential for Win-Win Outcomes for Governments, Farmers, Consumers and the Private Sector.](#) T.S. Jayne
    - [Do Market Interventions Promote Food Price Stability? Evidence from Eastern and Southern Africa.](#) A. Chapoto and T. S. Jayne.
    - [How is South Africa Affecting Food Security in the Region?](#) Jan Nihjoff.
    - [Managing food price instability: what have \(and haven't\) we learnt from experiences?](#) Shahidur Rashid
    - [Prospects for Commercial Agriculture in the Guinea Savannah Zone and Beyond.](#) Hans P. Binswanger-Mkhize.
    - [The Green Revolution. Lessons for Africa.](#) Hans P. Binswanger-Mkhize.
    - [Conference Recommendations.](#)
  - [Information to Inform Goals of Poverty Reduction, Food Security, Enhanced Productivity and Income Growth for Small-scale Farmers in Zambia.](#) ACF/FSRP Presentation. Work by A. Kuteya, S. Kabwe, M. Beaver, A. Chapoto, B. Burke, N. Mason and M. Weber. With prior contributions from T. Lungu and many others in MACO, CSO and FSRP. ACF Categorization Workshop, Serenity Lodge, Lusaka. May 5, 2010.
  - Categorization/Economic Stratification of Rural Cropping Households in Zambia By ACF/FSRP. A. Kuteya, S. Kabwe, M. Beaver, A. Chapoto, B. Burke, N. Mason and M. Weber.(With prior contributions by T. Lungu, now at MoFNP and many other CSO, MACO, and FSRP Staff) Forthcoming.
  - [Talking Points: Supply, Demand, Prices and Marketing for the 2010/2011 Zambian Maize Marketing Season.](#) ACF/FSRP contribution to FRA organized discussion of factors to consider for the Zambian 2010/2011 maize marketing season. April 23, 2010
  - [Is Credit and Input Distribution the Answer to Increased Crop Production and Incomes in Zambia?](#) Chance Kabaghe. Economics Association of Zambia Public Discussion Forum, Pamodzi Hotel, 08 April, 2010.
  - Increased Regional Trade: Opportunities & Issues in East and Southern Africa Video Conference. Held at the World Bank Zambia Offices, Lusaka. Thursday, 23rd September 2010.
    - [Program](#)
    - [Increased Regional Trade: Opportunities and Issues - Zambia.](#) Stephen Kabwe, Munguzwe Hichaambwa and Chance Kabaghe
    - [Zambia National Position Paper.](#) Munguzwe Hichaambwa.
    - [Zambia Country Report.](#) Stephen Kabwe and Chance Kabaghe
    - [Zambian Impressions of Participation in the Video Conferences.](#) Munguzwe Hichaambwa and Chance Kabaghe.

- [Opportunities and Constraints to Increased Fresh Produce Trade in East and Southern Africa](#). Dave Tschirley.
- [Factors Contributing to Zambia's 2010 Maize Bumper Harvest](#). William J. Burke, T. S. Jayne and Antony Chapoto. ACF/FSRP Research presented to the Economics Association of Zambia. Pamodzi Hotel, Lusaka. 23 September 2010.
- [Analysis of the 2009/10 Maize Production Estimate from the Crop Forecast Survey](#). FSRP/ACF and MACO/Policy and Planning Department. Presentation to Cooperating Partners at ACF Conference Hall, Lusaka. 1 July 2010.
- [Modernizing Africa's Fresh Produce Supply Chains without Rapid Supermarket Takeover. Towards a definition of Research and Investment Priorities](#). David Tschirley. Presented at Bill & Melinda Gates Foundation, Seattle. August 11, 2010.
- [Options for Investments in Fresh Produce Markets](#). Munguzwe Hichaambwa. Presented to the African Development Bank, Zambia Country Strategy (2011-2014) Development Mission, Lusaka. 10 August 2010.
- [Zambia Guidebook to Location of Expected Smallholder Maize Sales for the 2010-2011 Marketing Season: Expected Sales Volume and Number of Smallholders Selling by Province, District and Type of Small/Medium Households](#). Presentation distributed at the *Lusaka Agriculture and Commercial Show*, Lusaka. July 29-31, 2010. By MACO/CSO and ACF/FSRP.
- Workshop on *Impacts of and Innovations for Conservation Farming*. ACF/FSRP and CFU. ACF Conference Room, 2 July 2010. Lusaka
  - [Productivity Impact of Conservation Farming on Asset-Poor Households](#). Steve Haggblade. ACF/FSRP/Michigan State University
  - [Mechanized Minimum Tillage Service Provision: The Next Step Small Scale Agriculture and CF](#). Peter Aagaard, CFU
  - Background research report. [Productivity Impact of Conservation Farming on Smallholder Cotton Farmers in Zambia](#). Steven Haggblade and Christina Plerhoples. FSRP Working Paper No. 47. July 2010.

## A.2 FSRP Working Papers and Reports

- Tschirley, David, Hichaambwa, M. and Mwiinga, M. 2009. [Comparative Assessment of the Marketing Structure and Price Behavior of Three Staple Vegetables in Lusaka, Zambia](#). FSRP Working Paper 44, December 2009.
- [Patterns Of Urban Food Consumption And Expenditure In Zambia: An Overview Report Based on the CSO/MACO/FSRP Food Consumption Survey in Urban Areas of Lusaka, Kitwe, Mansa and Kasama, 2007-2008](#). Munguzwe Hichaambwa, Margaret Beaver, Antony Chapoto and Michael Weber. Working Paper No. 43. December, 2009.
- [Staple Food Consumption Patterns in Urban Zambia: Results from the 2007/2008 Urban Consumption Survey](#). Nicole M. Mason and T.S. Jayne. Working Paper No. 42. November 2009.
- [Wildlife Conservation in Zambia: Impacts on Rural Household Welfare](#). Ana Fernandez, Robert B. Richardson, David Tschirley, and Gelson Tembo. Working Paper No. 41. September 2009.
- [Access to Land, and Poverty Reduction in Rural Zambia: Connecting the Policy Issues](#). T.S. Jayne, Ballard Zulu, Gear Kajoba, and M.T. Weber. Working Paper No. 34. October 2008.
- [Natural Resource Management, Food Security, and Rural Development in Zambia: Moving From Research Evidence to Action Proceedings of the Public Forum](#). Phyllis Simasiku, Antony Chapoto, Robert Richardson, Mwape Sichilongo, Gelson Tembo, Michael Weber and Alimakio Zulu. Working Paper No. 44. February 2010.
- [The Structure and Behavior of Vegetable Markets Serving Lusaka: Main Report](#). David Tschirley and Munguzwe Hichaambwa. Working Paper No. 46. June 2010.

- [A Case Study of Regulation in Zambia's Cotton Sector](#). David Tschirley and Stephen Kabwe. Working Paper No. 45. April 2010. (CDIE reference number pending)
- [Factors Contributing to Zambia's 2010 Maize Bumper Harvest](#). William J. Burke, T. S. Jayne, and Antony Chapoto. Working Paper No. 48. September 2010.
- [Productivity Impact of Conservation Farming on Smallholder Cotton Farmers in Zambia](#). Steven Haggblade and Christina Plerhoples. Working Paper No. 47. July 2010.

### **A.3 FSRP Policy Syntheses**

- [Staple Food Consumption Patterns in Urban Zambia: Results from the 2007/2008 Urban Consumption Survey](#). Nicole M. Mason and T. S. Jayne. Number 36, December 2009.
- [Impact Of Natural Resource Conservation Policies On Household Consumption Around Zambian National Parks](#). Gelson Tembo, Sushenjit Bandyopadhyay and Jean-Michel Pavy. Number 35, October 2009.
- [Impact Of Natural Resource Conservation Policies On Household Consumption Around Zambian National Parks](#). Gelson Tembo, Sushenjit Bandyopadhyay and Jean-Michel Pavy. Number 35, October 2009.
- [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, Sept 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.
- [The Impact of Wildlife Management Policies on Communities and Conservation in Game Management Areas in Zambia: Message to Policy Makers](#). Phyllis Simasiku, Hopeson I. Simwanza, Gelson Tembo, Sushenjit Bandyopadhyay and Jean-Michel Pavy. Published by the Natural Resources Consultative Forum NRCF). June 2008 Policy Brief posted by FSRP.
- [Spatial and Regional Dimensions of Food Security in Zambia](#). Steven Haggblade, Steven Longabaugh and David Tschirley. Number 38, February, 2010.
- [Natural Resource Management, Food Security And Rural Development In Zambia: Moving From Research Evidence To Action. Proceedings Of The Public Forum](#). Phyllis Simasiku, Antony Chapoto, Robert Richardson, Mwape Sichilongo, Gelson Tembo, Michael Weber and Alimakio Zulu. Number 37, February, 2010.
- [Why are Fresh Produce Prices So Unstable in Lusaka? Insights for Policy and Investment Priorities](#). Munguzwe Hichaambwa and David Tschirley Number 41, June, 2010.
- [How are Vegetables Marketed into Lusaka? The Structure of Lusaka's Fresh Produce Marketing System and Implications for Investment Priorities](#). Munguzwe Hichaambwa and David Tschirley. Number 40, June, 2010.
- [Do Brokers Help or Hinder the Marketing of Fresh Produce in Lusaka? Preliminary Insights from Research. David Tschirley and Munguzwe Hichaambwa. Number 39, June, 2010](#).
- [Factors Contributing to Zambia's 2010 Maize Bumper Harvest](#). William J. Burke, T. S. Jayne and Antony Chapoto. Number 42, September, 2010.

### **A.4 Notes on Current Topics and Events**

- [Maize Buyers Alert: Zambia Guidebook to Location of Expected Smallholder Maize Sales for the 2010-2011 Marketing Season](#). Presentation distributed at the Lusaka Agriculture and Commercial Show, Lusaka. July 29-31, 2010. By MACO/CSO and ACF/FSRP.
- [Cassava's Potential as a Cash Crop](#) - April 2010



## A.5 Media Coverage

- [New FSRP Website](#). 02 July 2010. *Zambian Economist*.
- [Minister Daka cites lack of infrastructure as costing farmers in COMESA](#). Cynthia Mwale. *Zambia Daily Mail*. May 10, 2010
- [US lecturer urges strengthening of food forecast systems in Africa](#). *The Post*, September 9, 2010 Additional Food Security and Agricultural Policy Contributions

## A.6 Food Security and Agricultural Policy Mbasela

- [What's Behind Zambia's Record Maize Crop?](#) Analysis of the 2009/10 Maize Production Estimate from the Crop Forecast Survey. Download a presentation by FSRP/ACF and MACO/Policy and Planning Department done at Mulungushi, House, Lusaka. 28 June 2010. See also a presentation to [Donor CPs](#).
- [Awakening the Sleeping Giant](#). Making Grain Markets Work for Smallholder Farmers and Consumers in Eastern and Southern Africa. Download presentations and recommendations from a conference sponsored by the CAADP Programme, of COMESA and ACTESA. Lusaka Zambia. May 10, 2010.
- [Lack of Infrastructure Costing Farmers in COMESA](#). Speaking at a COMESA/ACTESA Workshop on May 10, 2010, Zambian Minister of Agriculture, Food and Cooperatives Peter Daka said the issue of poor infrastructure such as access roads in individual countries and those linking other countries in the region needs to be tackled if COMESA countries are to achieve growth.
- [Over the past 10 years in Zambia smallholder maize yields on fields planted without fertilizer are decreasing? Why?](#) These are among the research results discussed at the recent ACF/FSRP meeting on "Categorization/Economic Stratification of Rural Cropping Households in Zambia."

## A.7 Professional Publications

- Tschirley, David L., Colin Poulton, Nicholas Gergely, Patrick Labaste, John Baffes, Duncan Boughton and Gérald Estur (2010). "[Institutional Diversity and Performance in African Cotton Sectors](#)". *Development Policy Review*, 2010, 28 (3): 295-323
- Tschirley, David L., Hichaambwa, Munguzwe, Mwiinga, Mukwiti. 2010. Comparative assessment of the marketing structure and price behavior of three staple vegetables in Lusaka, Zambia. In Weibel and Mithoefer, Eds, "Understanding the Silent Revolution: New Socio-Economic Research on Horticultural Production and Marketing in Africa". CABI.
- Mason, N. M., T. S. Jayne, A. Chapoto, and R. Myers. 2010. "[A Test of the New Variant Famine Hypothesis: Panel Survey Evidence from Zambia](#)" *World Development*, 38(3): 356-368.
- Tschirley, David L., T.S. Jayne. 2010. "[Exploring the Logic Behind Southern Africa's Food Crises](#)." *World Development* Vol. 38, No. 1, pp. 76–87.
- Abbink, K., T.S. Jayne, and L. Moller. 2010. The Relevance of a Rules-Based Maize Marketing Policy: An Experimental Case Study of Zambia, *Journal of Development Studies*, May 2010.
- Tembo, G., A. Chapoto, T.S. Jayne, M. Weber. 2010. Fostering Food Market Development in Zambia. *Zambia Social Science Journal*, Volume 1(1): 39-60.
- Jayne, T.S., A. Chapoto, and J. Govereh. 2010. Grain marketing policy at the crossroads: Challenges for Eastern and Southern Africa. In A. Sarris and J. Morrison (eds), *Food Security in Africa: Markets and Trade Policy for Staple Foods in Eastern and Southern Africa*, Cheltenham, UK, Edward Elgar Publishers.

- Govereh, J., A. Chapoto, and T.S. Jayne. 2010. Assessment of alternative maize trade and market policy interventions in Zambia. In A. Sarris and J. Morrison (eds), *Food Security in Africa: Markets and Trade Policy for Staple Foods in Eastern and Southern Africa*, Cheltenham, UK, Edward Elgar Publishers.

## A.8 FSRP Website

Available at: <http://www.aec.msu.edu/agecon/fs2/zambia/index.htm>

- For a PDF version of the cumulative FSRP webpage as of Oct 1, 2009 see the button on FSRP web page: Cumulative Project Output Reports: 2009/2010, 2008/2009, 2007/2008, 2006/07, 2005/06, 2004/05