

FOOD SECURITY RESEARCH PROJECT – ZAMBIA

Second Quarter Report, 2010

(April 2010 to June 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 (MLF)
Central Statistical Office (CSO)
University of Zambia - Department of Agricultural Economics and Extension (UNZA)
Conservation Farming Unit (CFU)
COMESA - Alliance for Common 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 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.

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

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

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

- Zambia/ACF Ag Sector Event Calendar
- ACF News Flashes
- The Post On-Line
- Daily Mail On-Line
- Times On-Line
- Zambia Radio
- All Africa Com-Zambia
- Zambian Economist Blog
- CSO Monthly Bulletins
- Zambia News Feeds/FANRPAN
- FANRPAN Event Calendar
- ZINU SMS Trade Prices/Bids
- FEWS Net Zambia Market Reports
- FEWS Net Food Security Report
- RATIN Regional Prices & Markets
- JCTR Basic Needs Basket
- Economics Association of Zambia
- House of Chiefs Blog
- Zambezi 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

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
CFU	Conservation Farming Unit
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
FISP	Farmer Inputs Support Programme
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
GTAZ	Grain Traders Association of Zambia
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
TDY	Temporary Duty assignment
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)
Zambia Meteorological Department (MET)

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, 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 First Quarter 2010

I. Public Investment Allocation for Promoting Agricultural Growth

- ACF/FSRP continued interacting 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.
- Haggblade and Crawford 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 Q3 2010.
- Jayne, Chapoto and Fandamu completed the data collection exercise for work on measuring the impact of rural roads investment on smallholder livelihoods in Zambia. Analysis of the data is underway and preliminary results will be generated for discussion in the Q3 2010 before finalizing the report in Q4, 2010.
- Nihjoff, Tembo and Chapoto continued work on the impact of service delivery activities on smallholder farmers, a collaborative effort with PROFIT. Data issues have been delaying the completion on this work.

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

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

- As part of continuing 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. This is work in progress and additional information to ground test, and collect more information on the various land uses identified in the GIS shape files is being sought from MACO GIS specialists, and from FAO, among other organizations. Preliminary GIS overlay maps are being constructed and circulated for further feedback.

2. Alternative strategies for maintaining soil productivity

- Through the Peace Corps Masters International program in the Agriculture, Food and Natural Resource Department at Michigan State University, collaboration began in April with Mr. Joey Goeb, a new Peace Corps Volunteer in Mkushi District, Musofu village. Mr. Goeb has recently finished his MS programme at MSU and has been assigned by Peace Corps to serve in Zambia. Given his interest in conservation farming issues, ACF/FSRP is collaborating with US Peace Corps Zambia Office, and with the CFU and MACO conservation farming work in Mkushi to support Mr. Goeb's field work and related economic analysis of improved farming practices.
- Haggblade and Plerhoples completed work on productivity impact of conservation farming on smallholder cotton farmers. The draft working paper (no. 47) has been completed and currently being formatted for posting on the website. Findings of this work are also expected to be presented at a stakeholder's workshop to be held in July 2010.

3. Labor supply, HIV/AIDS and agriculture

- Chapoto and a Zambian Student from Makerere University, Uganda continued working on a study to examine the longer-run impacts of HIV/AIDS on smallholder agriculture and rural livelihoods. This study is being done as part of the student's masters thesis and Chapoto as the local supervisor.
- PEGNet prepared a website and streaming links from the ACF/FSRP and PEGNet Workshop on HIV/AIDS, February 6, 2010. PEGNet worked with ACF/FSRP to prepare the content of this outreach site: http://www.pegnet.ifw-kiel.de/acl_users/credentials_cookie_auth/activities/events/pegnet-and-fsrp-acf-workshop-in-zambia
- Mason, Chapoto and Jayne prepared an article on the impacts of HIV/AIDS on agriculture and food security in Zambia. The implications of this work were presented at the February workshop on HIV/AIDS and Agriculture. 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.

4. Natural Resource Management

- Richardson, Tschirley, and Gelson Tembo continued revisions to a manuscript on the impact of game management areas on rural welfare in Zambia for publication in a journal.
- Tembo and Richardson continued an analysis of urban household energy demand and sources of household energy, using the urban household consumption data.
- Richardson and Gelson Tembo have been working with a Master's student in agricultural economics at Bunda College in Malawi on his thesis, which includes an analysis of the contribution of non-timber forest products to rural household welfare in Zambia, using the 2008 supplemental survey data set. Results from this analysis are expected in Q3 2010, and we expect to publish a working paper and policy brief from the study at that time.

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

1. Maize Value Chain

- FSRP continued to collect 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 will report 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 will be published in August and outreach in Zambia will take place in September (at MACO and at ACF). Especially given how many in government feel that smallholders' lack access to maize marketing options in remote areas of Zambia, these results will be disseminated widely to media outlets in Zambia as well.

- Dingi Banda from MACO working 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.
- Mason, Jayne, and Chapoto continue work on measuring the impacts of FRA operations on smallholder area cultivated, crop production, and fertilizer use. Preliminary results and a working paper are expected in Q3. Work on a second study on the impacts of FRA and other GRZ activities on wholesale maize prices in Zambia will continue in Q3 and Q4.
- Burke and Thom continued analysis on how informal trade affects maize price levels in Zambia, Malawi and DRC, and how export bans affect prices.
- ACF/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.
 - [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.](#)
- ACF/FSRP analyzed the 2009/10 maize production estimates from the CFS and presented to MACO on June 28 as well as to cooperating partners on July 1. A third presentation is planned for mid-July to the general stakeholders. ACF/FSRP has been commended for leading this effort by MACO and other stakeholders. See the presentations at: [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. and [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.
- Weber made a presentation on “Food Security by Numbers. Observations from the USAID-MSU Food Security Cooperative Agreement FSIII. Challenges in Collecting and Using Information to Inform Goals of Poverty Reduction, Food Security, Enhanced Productivity and Income Growth for Small-Scale Farmers at the 2010 USAID Economic Growth Officer's Conference, Washington DC. June 21-25, 2010.

- ACF/FSRP 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.
- Kabaghe 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.

2. *Cassava Value Chain*

- Continued revisions to “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 are being integrated into the CFS time series analysis
and the Smallholder Categorization work.
- 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.
- Work on the Economic analysis of cassava production and processing will begin sometime in
the Q3, 2010

3. *Horticulture Value Chains*

- *Wholesale market monitoring:*
 - Continued the collection and processing of vegetable volume flows and pricing data as well
as regular analysis on the levels of transparent and hidden broker commissions.
- *Horticultural price dynamics and trade flows:*
 - Hichaambwa and Tschirley completed the working paper on “**The Structure and Behavior
of Vegetable Markets Serving Lusaka**” which has been posted on the website as
<http://www.aec.msu.edu/fs2/zambia/wp46.pdf>
 - Hichaambwa and Tschirley completed a policy synthesis based on this report and specific
broker data on “**Do Brokers Help or Hinder the Marketing of Fresh Produce in
Lusaka? Preliminary Insights from Research**” and has been on the website as:
http://www.aec.msu.edu/fs2/zambia/ps_39.pdf
 - Hichaambwa and Tschirley completed a policy synthesis based on this report on “**How Are
Vegetables Marketed Into Lusaka? The Structure Of Lusaka’s Fresh Produce
Marketing System And Implications For Investment Priorities**” and has been posted on
the website as http://www.aec.msu.edu/fs2/zambia/ps_40.pdf
 - Hichaambwa and Tschirley completed a policy synthesis based on this report on “**Why Are
Fresh Produce Prices So Unstable In Lusaka? Insights For Policy And Investment
Priorities**” and has been posted on the website as
http://www.aec.msu.edu/fs2/zambia/ps_41.pdf
- *Outreach*
 - Hichaambwa interacted with the JICA study team on the 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.

- Hichaambwa interacted with Ms Munalula of Chongwe who wants 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. Details of the conference have been posted on the website as:
 - 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.
- ACF/FSRP hosted a workshop on “Development of Horticulture Markets” at the Pamodzi Hotel in Lusaka on 2 July 2010. Hichaambwa and Tschirley made a presentation on **“Key Characteristics and Main Challenges in Zambia’s Fresh Produce Marketing System”**. Details of the workshop have been posted as:
 - *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.

4. Cotton Value Chain

- Kabwe and Tschirley have been interacting 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 (ACP). Kabwe and Tschirley interacted with Stakeholders in the cotton sector for consultations in this regard and are currently developing the terms of reference for this work.
- Kabwe and Tschirley continued interacting with the Cotton Board and on various issues:
 - FSRP to host the Cotton Board input database as the Cotton Board develops firm procedures for accessing the same while protecting all concerned from possible misuse. This is one reason Cotton Board likes the idea of FSRP hosting the database as a neutral party.
 - The project is writing 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.
 - For its continued wonderful works on cotton, the Cotton Board is moving ahead to name FSRP as a non-voting advisory member of Cotton Board.

- Kabwe hosted visitors from the World Bank who wanted to learn more about the cotton industry in Zambia and shared with them the Cotton materials the Project has developed.
- Kabwe continued doing background work on “Empirical analysis of the factors affecting efficiency in cotton production in Zambia” for his MS thesis work. This work will also be published as an FSRP Working Paper. Kabwe started developing the model he will use in the analysis using the GAMS. The first part of the model that will generate efficiency scores has been developed.
- Tschirley is reviewing a thesis “Impact of Government Maize Supports on Smallholder Cotton Production in Zambia” written by Joey Geob. He will make revisions and the thesis will be posted to the FSRP web site. Joey Geob is now resident in Zambia as part of his Peace Corp M.S. program, and FSRP is facilitating his research activities related to conservation farming whilst on this program.

5. *Fertilizer Value Chain*

- Weber, Kuteya and Kabwe continued work on smallholder farmer categorization. This work is based on cropping activities covering the 2000/2001, 2003/2004 and 2007/2008 marketing seasons as captured in the first, second and third Supplemental Surveys respectively. Their analyses now include additional variables related to fertilizer use, for example:
 - a. Number of households using fertilizer on maize
 - b. Yield on maize with fertilizer kg/ha
 - c. Yield on maize without fertilizer kg/ha
 - d. Percentage of households that use fertilizer on maize
 - e. Percentage of households that get FSP fertilizer
 - f. Percentage share of all FSP fertilizer.

Narratives based on the categorization tables will be produced after the preliminary results have been finalized, after being shared in draft with stakeholders at May 5 ACF/FSRP Outreach on Categorization.

- ACF/FSRP continued facilitation of the finalization of the manual on the voucher system. It is planned that the system be implemented as a pilot –in the 2010/2011 agricultural season.
- Mason has continued work on “The effects of the Fertiliser Support Programme on Zambian smallholder behavior and income” as part of her PhD dissertation. Efforts to assist Mason to get additional information from MACO on FSP Fertilizer distributions for the supplemental national budget allocation years per district have so far been futile.
- Auckland continued updating the FSRP retail fertilizer prices data base.

IV. Consumption Behavior of Urban and Rural Households

- Work on drafting a series of articles to be published in the CSO Monthly bulletin based on the Urban Consumption Survey general report continued and is almost completed. These are covering:
 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

The first article was submitted to CSO in May 2010 but was not published in the June issue.

V. Household Impact and Behavior

5.1 Characteristics of emerging commercial smallholder farmers

- Haggblade and Chapoto continued work on 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). 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. Field work for this study began in October 2009. Field interviews will be completed by in mid – August 2010.

5.2 Smallholder income and growth dynamics

- Weber, Kuteya and Kabwe 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. This work is expected to go on up to Q4 2010. Preliminary results were shared at the ACF/FSRP Categorization Workshop held at Serenity Lodge, Lusaka on 5th May 2010.
- Chapoto and Weber continued to assist a Zambian master's student studying at Bunda College, Malawi with her masters' research on Livestock production and marketing in Zambia. This is being done in collaboration with UNZA department of Agricultural Economics Lecturer Dr. Gelson Tembo.

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

- FSRP in this reporting period assisted CSO and MACO with capacity building in and actual data cleaning, developing crop production estimates and the national food balance sheet. The project continues interacting with the two institutions on various issues involving the CFS and PHS aimed and improved implementation and generation of better data from the field.
- ACF/FSRP website revisions including 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”.
- Collaboration with ACF included:
 - Hosting of the workshops on:
 - analysis of the 2009/10 maize production estimates from the crop forecast survey for cooperating partners
 - analysis of the 2009/10 maize production estimates from the crop forecast survey for MACO
 - smallholder categorization
 - development of horticultural markets
 - collaboration on edits to the ACF revised website, and on links to the revised FSRP web site
 - Participation in the FRA organized discussions on factors to consider for the Zambian 2010/11 marketing season
 - Acceleration of Cassava Utilisation activities
 - Participation in the identification of the consultant to conduct the wheat value chain study
 - Participation in stakeholder meetings
- 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 April-June 2010 included:
 - Hosting of May 10, 2010 workshop on *“Awakening the Sleeping Giant: Making Grain Markets Work for Smallholder Farmers and Consumers in Eastern and Southern Africa – policy seminar. This seminar resulted in 85 participants preparing a list of policy recommendations to be forwarded to the Secretary General of COMESA. This list of recommendations is on the COMESA website: http://programmes.comesa.int/index.php?option=com_content&view=article&id=207&Itemid=134&lang=en*
- Participated in the CSO Living Conditions Monitoring Survey data editing workshop
- Interacted with a World bank consultant on cotton
- Interacted with the European Union on a number of livestock issues
- Participated in the Global Horticulture Initiative organized video conference on post harvest and transport challenges in East and Southern Africa

VII. Staff changes

- Ms. Aliness Siwila, research assistant left the project in May 2010 to join Ministry of Labour
- Mr. Humphrey Fandamu, research assistant left the project in April 2010 to join the Copperbelt University.
- Mr. Jan Nijhoff left the project in July 2010 to work for the World Bank in Ghana.

VIII. Project Visitors

- David Tschirley visited the project from the project from 25th June to 4th July 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 the project from 02 April to 08 May 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.
- Thom Jayne visited the project from 3rd to 17th May 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.
- Margaret Beaver continued her stay in Zambia to May 16th 2006 to contributing 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 29 – 2 April: Provided Stata training to FSRP research specialist and associates.
 - April 5- 9 : Provided 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: Provided technical assistance to MACO and CSO during the CFS data cleaning and tabulation exercises

IX. Most Recent Research and Outreach Publications Added to Web Site 1st Quarter – 2010

Policy Syntheses

- [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.

Research Reports

- [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)

Policy Presentations

- *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.
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- [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.

Notes on Current Topics

- [Cassava's Potential as a Cash Crop](#) - April 2010

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

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- [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."