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# COPPERBELT OUTGROWER INITIATIVE

**A GLOBAL DEVELOPMENT ALLIANCE PROGRAM FOR THE  
DIVERSIFICATION OF THE ECONOMIC ACTIVITIES ON THE COPPERBELT**

**3RD  
QUARTERLY REPORT  
YEAR 2  
[APRIL– JUNE 2006]**

**JULY 2006**

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<i>Program Title:</i>	<i>Copperbelt Outgrower Initiative</i>
<i>Co-operative Agreement Number:</i>	<i>690-A-00-04-00320-00</i>
<i>Contractor:</i>	<i>DAI</i>
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## LIST OF ACRONYMS

Co-op	Co-operative
COP	Chief of Party
CTO	Cognizant/Chief Technical Officer
DAI	Development Alternatives, Inc.
DRC	Democratic Republic of Congo
EDZ	Environment and Development in Zambia
GDA	Global Development Alliance
GRZ	Government of the Republic of Zambia
KCM	Konkola Copper mines Plc
MOU	Memorandum of Understanding
PGE	Producer Group Enterprise
STTA	Short-Term Technical Assistance
TA	Technical Assistance
USAID	United States Agency for International Development
SME's	Small and Medium Enterprises
ZATAC	Zambia Agribusiness Technical Assistance Centre
ZESCO	Zambia Electricity Supply Corporation Limited
EDZ	Environment and Development in Zambia
ZHECT	Zambia Health Education and Communication Trust
MCM	Mopani Copper Mines Plc

**Copperbelt Outgrower Initiative**  
**A GDA Program for the Economic Diversification of the Copperbelt**  
**Third Quarter Report – Year 2: April to June 2006**

**1. SUMMARY**

***a. Project Objective and Goal***

To expand and strengthen private, market-oriented agro-enterprises (producer-group enterprises), commercial smallholder outgrower production schemes and other such commercial opportunities that unlock and add value at the smallholder production level and increase the volume of high-value, agro-products sold domestically and internationally so that smallholder income, subsequently wealth, is increased.

The goal is to ultimately work with a total of 3,000 smallholders producing high value crops tied to agribusinesses who not only see them as suppliers, but also as partners in their value-chain. As such, all the agribusinesses partnering in this Alliance bring their sense of ethical behaviour in promoting a transparent system of trade.

***b. Quarterly Progress Report***

The following were the highlights of the Quarter:

- Completion of the first phase of HIV/AIDS training.
- Completing establishment of the coffee nurseries to 264,000 coffee seedlings for 120 hectares.
- Establishment of smallholder coffee wet processing mill
- The Chief of Party undertook a monitoring visit
- The Coffee Quality Institute undertook an STTA visit.

## 2. PROGRAM OVERVIEW

### a. Objective and Goal

To expand and strengthen private, market-oriented agro-enterprises (producer-group enterprises), commercial smallholder outgrower production schemes and other such commercial opportunities that unlock and add value at the smallholder production level and increase the volume of high-value, agro-products sold domestically and internationally so that smallholder income, subsequently wealth, is increased.

The goal is to ultimately work with a total of 4,000 smallholders producing high value crops tied to agribusinesses who not only see them as suppliers, but also as partners in their value-chain. As such, all the agribusinesses partnering in this Alliance bring their sense of ethical behaviour in promoting a transparent system of trade.

### b. Management Structure

The project's activities are managed by the Chief of Party **Ms. Bagie Sherchand** who reports to **Ms. Matilda Chibale** the project's Cognizant Technical Officer (CTO) at USAID.

Mr. Likando Mukumbuta, Chief Executive Officer of ZATAC Ltd., heads the Project at Sub-contractor level as the Country Director. Mr. Wigan Kanchela leads the Project Management Unit on the Copperbelt as Program Manager, supported by two field officers Messrs. Simon Nguluwe and Clyd Muunza,

### c. Key Results

Overall planned results of the Copperbelt Outgrower Initiative are summarised in Table 1.

**Table 1: Copperbelt Outgrower Initiative Activity Impact**

Type of Beneficiary	Benefits	Total Number of Beneficiaries Over 3 years
Ex-copper miners, potential KCM and Mopani retrenches and other smallholder farmers	Access to alternative employment and increased income. A total number of 120 farmers will integrate coffee with vegetables. Those who may not have irrigation equipment will be engaged in rain fed paprika growing and beekeeping.	3,000
Producer-Group Enterprises (PGE)	Access to markets for their members, access to resources, increased PGE revenue and assets.	15
Private Agribusinesses	Increased economies of scale leading to increased competitiveness and economic returns.	6
KCM Plc	Ability to demonstrate its commitment to meeting its <i>Development Agreement</i> obligations to GRZ.	1

### **3. PROGRESS REPORT**

#### ***i. Activities Planned for the third Quarter (Year 2):***

Major activities for April through June of 2006 were as follows:

- Submit 3<sup>rd</sup> Quarter report for Year 2.
- Complete establishment of the coffee nurseries for Lukoshi and Chibote.
- Continue leveraging additional financial resources for the project.
- Undertake post-harvest training (paprika, Tbasco chilli).
- Complete first phase of HIV/AIDS training involving 10 co-operatives.
- Chief of Party management field visit.
- CQI technical assistance visit.

#### ***ii. Accomplishments***

- Completed the establishment of coffee nurseries at Lukoshi and Chibote with each of the two nurseries expected to raise 132,000 coffee seedlings to cover 60 hectares per production site.
- Facilitated a post-harvest training session for farmers growing groundnuts at Lukoshi. The training was provided by a Fields Services Co-ordinator under Mpongwe Organic Co-operative Society Limited.
- Provided post-harvest training sessions for farmers on the paprika and Chilli programs.
- Completed the first phase of HIV/AIDS training for 10 co-operatives.
- The Chief of Party Ms. Bagie Sherchand visited the project sites as part of her scheduled quarterly management field visits.
- Facilitated visitation and provision technical assistance to coffee farmers by Coffee Quality Institute personnel Mr. David Roche and Mr. John Kunitake.

#### ***iii. Plan for Next Quarter***

Major activities for July through September 2006 will be:

- Facilitated marketing of produce from farmers under the program (Chilli, paprika and groundnuts).
- Prepare the production plan for the 2006/2007 agricultural season including estimate of production and input requirements.
- Retraining of beekeepers.
- Preparation and commencement of HIV/AIDS training program under phase II.
- Complete business training for farmers and co-op executives under the program.
- Facilitate field visitations by partners/stakeholders including USAID.
- Complete all outstanding work from the previous quarter.

## 4. SUB-SECTORAL REPORT

### A. Coffee

#### *a. Activities Planned for the Second Quarter (Year 2):*

- Complete construction of the wet processing facility at Ipafu.
- Provide training to Ipafu farmers to process coffee using the central wet processing facility being set up.
- Complete installation of irrigation equipment at Chibote and Lukoshi production sites.
- Complete construction of pump houses at Chibote and Lukoshi production sites.
- Complete putting up a water embankment at Chibote production site.
- Facilitate electrification of Chibote and Lukoshi production sites.
- Register Chibote and Lukoshi cooperatives with the Coffee Board of Zambia.
- Commence land preparation for coffee fields.
- Facilitate application for water rights by Chibote and Lukoshi communities.

#### **Accomplishments**

- Completed construction of the wet processing plant (pulper) at Ipafu and trained farmers in use of the centralized wet processing plant.
- Trained farmers under Chibote Co-operative in coffee nursery management land preparation.
- Commenced land preparation for coffee fields.

#### **Plan for Next Quarter**

Major activities for July through September of 2006 will be:

- Complete land preparation of all coffee fields.
- Complete all outstanding work from the previous quarter

#### *b. Vegetables and Spices*

#### **Activities Planned for the Second Quarter (Year 2):**

- Complete land preparation for vegetables to be intercropped with coffee.
- Completion of all outstanding work from the previous Quarter.

#### **Accomplishments**

- Provided post harvest training sessions for paprika, chilli and groundnuts growers.
- Started to facilitate marketing of chilli, paprika and groundnuts.
- Provided lime to farmers at Chibote and Lukoshi production sites.

### **Plan for Next Quarter**

Major activities for July through September of 2006 will be:

- Complete land preparation for vegetables/spices to be intercropped with coffee.
- Complete crop marketing
- Arrange for inputs for spices.
- Commence nursery preparation for spices.
- Complete all outstanding work from the previous Quarter.

#### ***c. Honey***

##### **Activities Planned for the Second Quarter (Year 2):**

- Re-training of beekeepers in management of apiaries and general beekeeping activities.
- Facilitate field visitation and inspection of apiaries by extension staff from EDZ.
- Complete all outstanding work from the previous Quarter.

##### **Accomplishments**

- Facilitated training of 50 beekeepers in Mufulira.
- Facilitated field visitation and inspection of apiaries by extension staff from EDZ to farmers under Kankolo, Chiwembashi, Isoma and Chitwi Co-operatives.

### **Plan for Next Quarter**

Major activities for July through September of 2006 will be:

- Complete re-training of beekeepers in management of apiaries and general beekeeping activities.
- Complete all outstanding work from the previous Quarter.

#### ***d. HIV/AIDS training activities***

##### **Activities Planned for the Second Quarter (Year 2).**

- Complete first phase of HIV/AIDS training sessions.

##### **Accomplishments**

- Facilitated workshops to complete HIV/AIDS awareness training sessions. A total number of 137 farmers from four co-operatives attended the training sessions. Details of the HIV/AIDS training sessions are as shown in table 1 below:

**Table 2: Copperbelt Outgrower Initiative. Summary of HIV/AIDS training**

Date training delivered	Co-operative	Subject covered	Number of Farmers		Total attendance
			M	F	TOTAL
03/04/2006	Kakolo	Communication building skills, Definition of communication in relation to HIV/AIDS in support groups, How to communicate and methods of communication and Effective communication.	12	17	29
04/04/2006	Chati	“	12	13	25
04/04/2006	Chiwembashi	“	17	10	27
06/04/2006	Chitwi	“	17	12	29
07/04/2006	St. Mary's	“	19	8	27
		<b>Total</b>	<b>77</b>	<b>60</b>	<b>137</b>

**Plan for Next Quarter**

Major activities for July through September of 2006 will be:

- Prepare training program for HIV/AIDS training sessions under phase two.
- Facilitate HIV/AIDS training sessions under phase two.

**5. PARTNER CONTRIBUTIONS**

Coffee Board of Zambia initiated support to the community at Ipafu (Chingola) to establish an irrigated coffee scheme for 30 households. The Coffee Board continues to support the farmers with technical assistance and inputs, particularly fertilizers. Extension support services by the Coffee Board and Zambia Coffee Growers' Association are yet to commence.

Mopani Copper Mines Plc has provided substantial support to smallholder farmers, including land clearing, erection of earth dams, irrigation equipment, farm management and extension services, transport, beehives, planting materials, seed, fertilizers, etc.

CARE International in Zambia has provided support for electrification of the Chibote production site.

Kalulushi Municipal Council has provided land for agricultural development at Chibote and Lukoshi in addition to lobbying for machinery used in construction of the road network within the production funds and providing funds for diesel..

Barclays Bank Zambia Plc provided support for electrification of the Lukoshi production site.

Cheetah Zambia and Environment and Development in Zambia are serving as commercial partners providing markets and extension services for paprika and honey respectively. ZCGA serves as the commercial partner for coffee marketing.

Table 3 below shows the partner contribution as at the end of the period under review.

**Table 3: COI Non-Federal Partner Contributions Report**

Period of Performance: FY – 05 to 30<sup>th</sup> June 2006

<i>PARTNER</i>	<b>CONTRIBUTION</b> For the QTR US\$	<b>Cumulative</b> <b>CONTRIBUTION</b> AS AT 31/July/06 US\$
ZATAC Limited		300,000
Coffee Quality Institute Volunteer Contrib.		57,825
Coffee Board of Zambia (CBZ)		64,623
Cheetah Zambia Limited		37,513
Paprika Farmers (Land)		24,250
Kalulushi Municipal Council		47,000
CARE International Zambia		21,677
Zambian Fertilizers (input ore-financing)		10,000
Mopani Copper Mines Plc:	549,871.58	<b>552,121.58</b>
Environment and Development in Zambia (EDZ)		1,487
Co-operatives:		
<i>Akabangile Co-op</i>	-	186
<i>Chitwi</i>	-	133
<i>Kakolo &amp; Twatasha Women Club</i>	-	129
<i>Isoma Co-op</i>	-	110
<i>Chiwembashi Co-op</i>	-	80
Zambia Coffee Growers' Association (ZCGA)	-	-
Stravendale Farm Limited	-	-
Konkola Copper Mines Plc (KCM)	-	-
Barclays Bank Zambia Plc		10,267
<b>Total</b>	<b>549,872</b>	<b>1,127,402</b>

**Table 4: Workshops and training Events Summary  
Third Quarter – Yr 2  
(April – June 2006)**

Month	Title		Facilitator	Venue	Comment
April 3 <sup>rd</sup> , 2006	Building Communication Skills, Definition of communication in relation to HIV/AIDS support groups, Methods of Communication and Effective Communication.		ZHECT	Kakolo	29 members of the co-op attended.
April 4 <sup>th</sup> , 2006	Building Communication Skills, Definition of communication in relation to HIV/AIDS support groups, Methods of Communication and Effective Communication.		ZHECT	Chati	25 members of the co-op attended
April 4 <sup>th</sup> , 2006	Building Communication Skills, Definition of communication in relation to HIV/AIDS support groups, Methods of Communication and Effective Communication.		ZHECT	Chiwembashi	27 members of the co-op attended
April 6 <sup>th</sup> , 2006	Building Communication Skills, Definition of communication in relation to HIV/AIDS support groups, Methods of Communication and Effective Communication.		ZHECT	Chati	29 members of the Co-op attended
April 7 <sup>th</sup> , 2006	Building Communication Skills, Definition of communication in relation to HIV/AIDS support groups, Methods of Communication and Effective Communication.		ZHECT	St. Mary's	27 members attended
April 28 <sup>th</sup> – 29 <sup>th</sup> , 2006	Paprika Post harvest training		ZATAC	Lunga	16 farmers attended the training
April 30 <sup>th</sup> , 2006	Paprika Post harvest training		ZATAC	Mapunga	9 farmers attended the training
May 2 <sup>nd</sup> – 3 <sup>rd</sup> , 2006	Paprika Post harvest training		ZATAC	Bubile	7 farmers attended the training
May 5 <sup>th</sup> – 7 <sup>th</sup> , 2006	Paprika Post harvest training		ZATAC	Nselauke	14 farmers attended the training
June 13 <sup>th</sup> , 2006	Post harvest procedures and control of Aflatoxin	Mpongwe Organic Co-operative Society Ltd	Lukoshi	20 members of the co-op participating in production of groundnuts attended. The training was well received by the farmers.	
June 23 <sup>rd</sup> , 2006	Land preparation of coffee fields and application of agricultural Lime.	ZATAC	Chibote	19 farmers attended the training sessions.	

**Table 5: MEETING NOTES UNDER THE COPPERBELT OUTGROWER  
INITIATIVE – SUMMARY  
Third Quarter – Yr 2  
(April – June 2006)**

1. *Organization:* ZATAC  
*Date:* 19<sup>th</sup> April 2006  
*Venue:* C.O.I Office -Kitwe  
*In attendance:* Clyd Muunza, Simon Nguluwe, Wiggan Kanchela, Likando Mukumbuta and Bargie Scherchard.  
*Objective:* To review the project activities with particular reference to the following:
  - Irrigation installations for Chibote and Akabangile Co-operatives,
  - Marketing of products (groundnuts, chillies),
  - Agronomic practices of crops such as liming,
  - Honey programme,
  - Loan cancellation for inputs for Chibote Co-operative.
  
2. *Organization:* Chibote Co-operative  
*Date:* 19<sup>th</sup> April 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza, Simon Nguluwe, Wiggan Kanchela, Likando Mukumbuta, Bargie Scherchard and Chibote Co-operative Executive Committee members.  
*Objective:* To meet Chibote Co-op members and address the following:
  - Loan cancellation for inputs (Seed and Fertiliser)
  - Liming of the fields to reduce the acidity so as to enhance productivity,
  - Installation of electric power and irrigation equipment,
  - Security arrangements for the coffee production site
  - Coffee nursery management
  - Marketing of groundnuts and chillies
  - Level of commitment and participation by farmers
  - Review the performance of crops for last agricultural season (2005-2006)
  
3. *Organization:* Chibote Co-operative  
*Date:* 24<sup>th</sup> April 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza, and Simon Nguluwe  
*Objective:* To deliver a treadle pump, pipes and monitor the construct of the coffee shade. Found that the construction of the shelter was in progress with the main poles having been erected already.
  
4. *Organization:* ZATAC  
*Date:* 24<sup>th</sup> April 2006  
*Venue:* ZATAC office -Kitwe  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* To make programmes for the week and review previous week's programmes

5. *Organization:* Ipafu Co-operative  
*Date:* 25<sup>th</sup> April 2006  
*Venue:* Ipafu -Chingola  
*In attendance:* Clyd Muunza, Wiggan Kanchela, Jon Kunitake (CQI), Bulambo and Kosolo (Ipafu Co-op members)  
*Objective:* To monitor construction of the wet processing mill and organise grass for thatching. The following civil works were found to have been done,  
 -Three fermentation tanks  
 -Two furrows  
 -Soak away though not of the required size.
6. *Organization:* Ipafu Co-operative  
*Date:* 26<sup>th</sup> April 2006  
*Venue:* Ipafu - Chingola  
*In attendance:* Clyd Muunza, Jon Kunitake and Festus Shawa.  
*Objective:* -To certify completion of the works for the mill and install gate valves to the fermentation tanks
7. *Organization:* St.Mary's, Lunga and Mushingashi Co-operatives  
*Date:* 27<sup>th</sup> April 2006  
*Venue:* Lufwanyama  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan.Kanchela  
*Objective:* Distributing empty grain bags for paprika at St. Mary's, Mushingashi, Lunga, Mukema, Nselauke and Janyauki in addition to informing farmers about the paprika farmers dates for the harvesting and post harvest handling training.
8. *Organization:* St.Mary's, Mushingashi, Lunga, Bubile, Mapunga, Kinjjimene Nselauke, Kambilombilo and Mushingashi  
*Date:* 28<sup>th</sup> April –7<sup>th</sup> May 2006  
*Venue:* Lufwanyama  
*In attendance:* Clyd Muunza  
*Objective:* To conduct training in paprika harvesting and post harvesting handling and in addition to advising farmers the marketing arrangements. The number of farmers trained per each co-op is as shown in the table below:

<b>Co-operative</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Lunga	14	2	16
Mapunga	8	1	9
Bubile	6	1	7
Nselauke	12	2	14
<b>Totals</b>	<b>40</b>	<b>6</b>	<b>46</b>

9. *Organization:* Environment and Development in Zambia ( EDZ)  
*Date:* 8<sup>th</sup> May 2006  
*Venue:* EDZ Office-Kitwe  
*In attendance:* Clyd Muunza, Simon Nguluwe, Wiggan Kanchela and Anne Kachepa (E.D.Z)  
*Objective:* To reconcile the honey kits already distributed and those awaiting distribution.

10. *Organization:* Chibote Co-operative  
*Date:* 8<sup>th</sup> May 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza, Simon Nguluwe, Wiggan Kanchela and members of the co-op.  
*Objective:* Monitor performance of the coffee nursery, deliver coffee nursery inputs, engage casual labour for potting.
11. *Organization:* Akabangile Co-operative  
*Date:* 9<sup>th</sup> May 2006  
*Venue:* Akabangile-Kalulushi  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* To deliver pipes for the treadle pump and monitor progress of the coffee nursery.
12. *Organization:* Ipafu Co-operative  
*Date:* 9<sup>th</sup> may 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* Monitor the progress of wet processing mill construction, measure screen size screen, provision for main circuit breakers and gate valves
13. *Organization:* ZATAC Office  
*Date:* 10<sup>th</sup> May 2006  
*Venue:* C.O.I Office-Kitwe  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* To review project activities and plan for future programs for example to prepare work plan for Chibote Co-operative, estimations of crop yields, collection of Honey kits from EDZ, arrange for wiring of Ipafu wet processing mill, and distribution of empty grain bags for paprika
14. *Organization:* EDZ  
*Date:* 12<sup>th</sup> May 2006  
*Venue:* EDZ-Kitwe  
*In attendance:* Anne Kachepa, Clyd Muunza and Simon Nguluwe  
*Objective:* Arrange for beekeeping training for Mopani farmers and collection of beekeeping kits from E.D.Z
15. *Organization:* ZATAC  
*Date:* 15<sup>th</sup> May 2006  
*Venue:* C.O.I Office-Kitwe  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* To review project activities.
16. *Organization:* Ipafu Co-operative  
*Date:* 15<sup>th</sup> May 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Clyd Muunza, Simon Nguluwe and Wiggan Kanchela  
*Objective:* Monitor work progress on the wet processing mill and found all civil works near completion.

17. *Organization:* ZESCO  
*Date:* 16<sup>th</sup> May 2006  
*Venue:* ZESCO Offices-Chingola  
*In attendance:* Clyd Muunza and Mr.Evaristo Bwalya (Electrician)  
*Objective:* To seek advice on the size of the Mains Circuit Breaker to buy and inquire when power was going to be connected to the wet processing mill at Ipafu (Chingola)
  
18. *Organization:* E.D.Z  
*Date:* 17<sup>th</sup> May 2006  
*Venue:* E.D.Z Office-Kitwe  
*In attendance:* Clyd Muunza, Ruth Mwali, Annie Kachepa and Mr.Banda  
*Objective:* To reconcile the honey kits and make final arrangements for the training of Beekeepers for Mopani farmers
  
19. *Organization:* Chibote Co-operative  
*Date:* 18<sup>th</sup> May 2006  
*Venue:* Chibote -Kalulushi  
*In attendance:* Clyd Muunza and Wiggan Kanchela  
*Objective:* To monitor nursery progress
  
20. *Organization:* Chibote Co-operative  
*Date:* 22<sup>nd</sup> May 2006  
*Venue:* Chibote -Kalulushi  
*In attendance:* Alfred Chabu,Dainah Magubi,January Mwale,Fridah Nsemba,Paul Nkaka,Blantyre Mwewa(Co-operative members) and Clyd Muunza  
*Objective:* To discuss the co-op's work plan for the period May-December 2006. Items in the work plan to include schedule of training activities, nursery management, clearing of fields, liming of fields and digging of planting stations.
  
21. *Organization:* Chibote Co-operative  
*Date:* 23<sup>rd</sup> May 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza and 19 Co-operative members  
*Objective:* To conduct training and demonstrate on how to dig holes and lime coffee fields.
  
22. *Organization:* Kameme Co-operative  
*Date:* 23<sup>rd</sup> May 2006  
*Venue:* Mr.Kapeshi 's Farm-Kalulushi  
*In attendance:* Clyd Muunza and Mr.Kapeshi  
*Objective:* To monitor the harvesting and post harvest handling of paprika in addition to delivering empty bags and demonstrating how to separate calyxes.

23. *Organization:* ZATAC  
*Date:* 1<sup>st</sup> June 2006  
*Venue:* ZATAC Office-Kitwe  
*In attendance:* Wiggan Kanchela, David Roche, Likando Mukumbuta, Clyd Muunza, Simon and Jon Kunitake  
*Objective:* To discuss the construction of the wet processing mill and the agronomy of coffee at Ipafu
24. *Organization:* Ipafu-Co-operative  
*Date:* 1<sup>st</sup> June 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Wiggan Kanchela, David Roche, Likando Mukumbuta, Clyd Muunza, Simon and Jon Kunitake  
*Objective:* Check progress of mill construction and conduct on-farm extension covering picking of coffee, shade trees, mulching and pulping
25. *Organization:* Ipafu Co-operative  
*Date:* 2<sup>nd</sup> June 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Wiggan Kanchela, David, Roche, Clyd Muunza, Simon Nguluwe, Jon Kunitake and 17 Ipafu farmers.  
*Objective:* Inspect work on the wet processing mill and had a meeting with farmers during which farmers expressed their concern regarding to following: factory workers, labour for coffee picking, transportation of cherry to the mill and transportation of parchment to the dry mill in Lusaka, availability of coffee inputs, costs of running the irrigation system and extension services.
26. *Organization:* Ipafu Co-operative  
*Date:* 4<sup>th</sup> June 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Clyd Muunza, Wiggan Kanchela, Evaristo Bwalya (Electrician)  
*Objective:* Electric wiring of the wet processing mill.
27. *Organization:* Ipafu Co-operative  
*Date:* 6<sup>th</sup> June 2006  
*Venue:* Ipafu-Chingola  
*In attendance:* Clyd Muunza, Simon Nguluwe, Wiggan Kanchela and Evaristo Bwalya (Electrician)  
*Objective:* Continue on the wet processing protocols and complete the wiring of the processing mill.
28. *Organization:* Chibote Co-operative  
*Date:* 8<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Monitor the coffee nursery and spray against cutworms.

29. *Organization:* Chibote Co-operative  
*Date:* 9<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza and Chibote farmers  
*Objective:* To discuss way forward concerning coffee nursery management, discuss the proposed work plan for the co-operative activities for the period May to December 2006
  
30. *Organization:* Chibote Co-operative  
*Date:* 13<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza and Chibote farmers  
*Objective:* To discuss coffee nursery management practices.
  
31. *Organization:* Chibote Co-operative  
*Date:* 14<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Coffee nursery management.
  
32. *Organization:* Chibote Co-operative  
*Date:* 15<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Monitor the performance of the nursery.
  
33. *Organization:* Chibote Co-operative  
*Date:* 16<sup>th</sup> June 2006  
*Venue:* Chibote  
*In attendance:* Clyd Muunza  
*Objective:* Monitor performance of the nursery, spray Dithane to prevent dumping off.
  
34. *Organization:* Chibote Co-operative  
*Date:* 17<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Coffee nursery management.
  
35. *Organization:* Chibote Co-operative  
*Date:* 18<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Coffee nursery management.
  
36. *Organization:* Chibote Co-operative  
*Date:* 19<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Monitor nursery performance

37. *Organization:* Chibote Co-operative  
*Date:* 20<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Monitor the coffee nursery and construction of the irrigation pump house.
38. *Organization:* Chibote Co-operative  
*Date:* 21<sup>st</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza and 5 Chibote Co-op Executive Committee members.  
*Objective:* To discuss the way forward concerning the coffee nursery management.
39. *Organization:* Chibote Co-operative  
*Date:* 24<sup>th</sup> June 2006  
*Venue:* Chibote - Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* To discuss coffee nursery management practices.
40. *Organization:* Chibote Co-operative  
*Date:* 25<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Coffee nursery management.
41. *Organization:* Chibote Co-operative  
*Date:* 26<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza, Wiggan Kanchela, Simon Nguluwe and Co-operative executive committee members.  
*Objective:* To discuss the engagement of casual labour to irrigate and provide security services to be paid for through a loan facility to be provided by ZATAC Limited.
42. *Organization:* Chibote Co-operative  
*Date:* 26<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza.  
*Objective:* Monitor the performance of the coffee nursery
43. *Organization:* Co-operative  
*Date:* 27<sup>th</sup> June 2006  
*Venue:* Chibote  
*In attendance:* Clyd Muunza.  
*Objective:* Monitor the performance of the coffee nursery

44. *Organization:* Chibote Co-operative  
*Date:* 27th June 2006  
*Venue:* Isoma - Ndola  
*In attendance:* Clyd Muunza and Winfred Mutambo (Local Extensionist)  
*Objective:* -To inform farmers dates for paprika purchases by Cheetah Zambia Limited.
45. *Organization:* Chibote Co-operative  
*Date:* 27<sup>th</sup> June 2006  
*Venue:* Kakolo - Kitwe  
*In attendance:* Clyd Muunza and Boniface Kabuya (Local Extensionist)  
*Objective:* To inform farmers the proposed paprika buying dates and arrange the buying points.
46. *Organization:* Chibote Co-operative  
*Date:* 28<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza  
*Objective:* Monitor the performance of the coffee nursery.
47. *Organization:* Chibote Co-operative  
*Date:* 29<sup>th</sup> June 2006  
*Venue:* Chibote-Kalulushi  
*In attendance:* Clyd Muunza and Wiggan Kanchela  
*Objective:* Monitor the performance of the coffee nursery.

48. *Organizations:* Kakolo Co-operative (Kitwe), Chibote (Kalulushi), Chati(Kalulushi), Chiwembashi (Kalulushi), Akabangile (Mufulira), Chitwi (Luanshya), Isoma (Ndola)  
*Period:* 3<sup>rd</sup> April – 7<sup>th</sup> April 2006  
*Venue:* Respective arranged venues per Co-operative.  
*In attendance:* Grace Zyambo and Jane Chungu (ZHECT), Simon Nguluwe (ZATAC Ltd)  
*Objective:* HIV/AIDS training. The topic for the training was effective use of communication and HIV testing.
49. *Organization:* Chibote Co-operative  
*Date:* 19<sup>th</sup> April 2006  
*Venue:* Community School  
*In attendance:* Bagie Shechard, Jon Kunitake, Likando Mukumbuta, Wiggan Kanchela, Simon Nguluwe, Clyd Muunza and executive members at Chibote.  
*Objectives:* to encourage farmers continue with the set programs such as liming and land preparation, progress on the electrification and writing off the debt.
50. *Organization:* IPAFU, Akabangile and Makumbi farm.  
*Date:* 20<sup>th</sup> April 2006.  
*Venue:* Coffee wet processing site.  
*In attendance:* Bagie Shechard, Jon Kunitake, Likando Mukumbuta, Wiggan Kanchela, Simon Nguluwe and farmers, Mr. Musukwa, Mr. Zimba, Mr. Mulenga, Mr. Sikwesa and Mr. Konsolo.  
*Objective:* look at long term issues such as the irrigation extension, then setting up of the wet processing mill at Ipafu, Check on the work in progress for the integrated coffee in Lukoshi and lastly visit the projects at Mopani – Makumbi Farm.
51. *Organization:* Cheetah Zambia  
*Date:* 21<sup>st</sup> April 2006.  
*Venue:* ZATAC COI office.  
*In attendance:* Vernon Simbotwe (Cheetah), Wiggan Kanchela and Simon Nguluwe (ZATAC).  
*Objective:* Ward forward for the paprika growers and the marketing of paprika. Cheetah Zambia to come up with a full package for the 2006/2007 agricultural season season.
52. *Organization:* Chibote Co-operative  
*Date:* 24<sup>th</sup> April 2006  
*Venue:* Coffee Nursery site  
*In attendance:* John Banda, Simon Nguluwe, Clyd Muunza, Mr. Banda.  
*Objective:* treadle pump testing and maintenance.
53. *Organization:* Kakolo Co-operative  
*Date:* 25<sup>th</sup> April 2006.  
*Venue:* ZATAC COI office

- In attendance:* Abiton Chiluzi and Boniface Kabuya (Kakolo), Simon Nguluwe (ZATAC)  
*Objectives:* provision of introductory letters to health management authorities, discuss on the formation of another specific co-operative under honey.
54. *Organization:* Lufwanyama  
*Date:* 26<sup>th</sup> April 2006  
*Venue:* ZATAC COI office  
*In attendance:* Wilfred Ngosa (farmer) and Simon Nguluwe (ZATAC)  
*Objective:* Provision of guidance on the possibilities of giving financial and technical support in the beekeeping and banana programs.
55. *Organization:* IPAFU  
*Date:* 3<sup>rd</sup> May 2006.  
*Venue:* frame tree farm  
*In attendance:* the Care taker, Jon Kunitake and Simon Nguluwe.  
*Objectives:* arranging accommodation for Mr. Kunitake, visit the coffee wet processing mill.
56. *Organization:* IPAFU  
*Date:* 5<sup>th</sup> May 2006.  
*Venue:* Coffee wet mill site.  
*In attendance:* Phesto Shawa (architecture), Philip Hamaila (Bricklayer), Evaristo Bwalya and Bilima (electrician) and Simon Nguluwe (ZATAC).  
*Objective:* To show the Bricklayer other works that needed to be completed also allow the electrician to do the assessment and provide a quotation.
57. *Organization:* Environment and Development in Zambia (EDZ)  
*Date:* 8<sup>th</sup> May 2006.  
*Venue:* EDZ office.  
*In attendance:* Anne Kachepa (EDZ), Wiggan Kanchela, Simon Nguluwe and Clyd Muunza (ZATAC)  
*Objectives:* formally introduce Simon and Clyd to Anne; discuss the way forward in terms of the existing programs.
58. *Organization:* Akabangile Co-operative.  
*Date:* 9<sup>th</sup> May 2006.  
*Venue:* Coffee nursery site.  
*In attendance:* Wiggan Kanchela, Clyd Muunza and Simon Nguluwe (ZATAC), Florence Chipanga, Fred Musonda (farmers).  
*Objectives:* treadle pump testing and maintenance.
59. *Organization:* ZATAC Kitwe  
*Date:* 10<sup>th</sup> May 2006.  
*Venue:* ZATAC COI office  
*In attendance:* Wiggan Kanchela, Simon Nguluwe and Clyd Muunza.  
*Objective:* Brief technical meeting looking at the weekly activities i.e. training in beekeeping at Mopani – Makumbi farm, Paprika harvesting, estimate expected yields of Groundnuts and chilies, collect honey kits from KCM and lastly recruit people to finish potting in Lukoshi.

60. *Organization:* ISOMA Co-operative.  
*Date:* 10<sup>th</sup> May 2006.  
*Venue:* Church Building.  
*In attendance:* A total of 83 farmers and Simon Nguluwe (ZATAC).  
*Objectives:* introduce the ZATAC program to new members and also take about future programs that include HIV/AIDS training and the formation of support groups.
61. *Organization:* IPAFU  
*Date:* 11<sup>th</sup> May 2006  
*Venue:* Coffee wet processing mill  
*In attendance:* Jon Kunitake, Wiggan Kanchela, Clyd Muunza and Simon Nguluwe.  
*Objectives:* inspection of the works being carried out at the site.
62. *Organization:* Isoma Co-operative  
*Date:* 12<sup>th</sup> May 2006.  
*Venue:* farmer's farms.  
*In attendance:* Mr. Phiri, Mr. Siame, Mr. Sikasote, Mr. Muhango (farmers) and Simon Nguluwe (ZATAC)  
*Objective:* check on the progress with the beekeeping program and the paprika.
63. *Organization:* ZATAC Kitwe  
*Date:* 15<sup>th</sup> May 2006  
*Venue:* ZATAC COI office.  
*In attendance:* Wiggan Kanchela, Clyd Muunza and Simon Nguluwe.  
*Objectives:* Strategies for activities within the week.
64. *Organization:* Mopani – Makumbi farm  
*Date:* 18<sup>th</sup> May 2006.  
*Venue:* farm office at Makumbi  
*In attendance:* farmers and Simon Nguluwe.  
*Objectives:* Estimate the expected yields for the chilies and groundnuts.
65. *Organization:* Mopani – Makumbi farm  
*Period:* 21<sup>st</sup> May – 23<sup>rd</sup> May 2006.  
*Venue:* Makumbi farm.  
*In attendance:* A total of 61 participants.  
*Objectives:* Provide basic training in the establishment of apiaries and handling of bees up to the cropping of honey.
66. *Organization:* Chibote, Akabangile and IPAFU Co-operatives  
*Date:* 30<sup>th</sup> May 2006.  
*Venue:* respective convenient places at individual co-operatives.

- In attendance:* Wiggan Kanchela, Simon Nguluwe and Mr. Bwalya (electrician).  
*Objectives:* For Chibote and Lukoshi, inspecting coffee pots, at Ipafu getting measurements for the main circuit breaker box and picking up Mr. Jon Kunitake.
67. *Organization:* Lukoshi and Ipafu co-operatives  
*Date:* 31<sup>st</sup> May 2006.  
*Venue:* Coffee nursery site and Coffee wet mill site respectively.  
*In attendance:* Jon Kunitake (CQI volunteer), Everisto Bwalya (Electrician) and Simon Nguluwe (ZATAC).  
*Objectives:* engage casual workers for potting at Lukoshi and inspect works at the coffee wet mill.
68. *Organization:* ZATAC Kitwe  
*Date:* 1<sup>st</sup> June 2006.  
*Venue:* ZATAC COI office  
*In attendance:* David Roche (CQI Technical Director), Jon Kunitake (CQI Volunteer), Likando Mukumbuta, Wiggan Kanchela, Clyd Muunza and Simon Nguluwe (ZATAC).  
*Objectives:* brief meeting on the progress of activities under the integrated coffee program on the Copperbelt.
69. *Organization:* IPAFU  
*Date:* 2<sup>nd</sup> June 2006.  
*Venue:* Coffee wet processing site.  
*In attendance:* David Roche (CQI Technical Director), Jon Kunitake (CQI Volunteer), Likando Mukumbuta, Wiggan Kanchela, Clyd Muunza and Simon Nguluwe (ZATAC), Farmers from Ipafu.  
*Objectives:* To develop operational guidelines for the wet processing mill once constructed, David to introduce worms to the farmers in the composting process.
70. *Organization:* IPAFU  
*Date:* 5<sup>th</sup> June 2006.  
*Venue:* Coffee wet processing factory  
*In attendance:* Wiggan Kanchela, Clyd Muunza and Simon Nguluwe (ZATAC), Everisto Bwalya (Electrician) and the coffee farmers.  
*Objectives:* Continue looking at operational guidelines for the wet processing mill as well as the whole process of post harvest in coffee.
71. *Organization:* Chibote and Akabangile Co-operatives  
*Date:* 7<sup>th</sup> June 2006.  
*Venue:* Coffee nursery sites  
*In attendance:* Farmers and casual workers at the nurseries.  
*Objectives:* Delivering inputs, Knapsack sprayers and chemicals. Demonstrate on how to mix and spray.
72. *Organization:* Akabangile and Makumbi farm (Mopani)  
*Date:* 8<sup>th</sup> June 2006.

*Venue:* Respective field blocks.

*Objectives:* Routine visitation/inspection of project sites and obtaining getting photos for the chili fields. Visited Mutundu Co-operative, to inform them about dates for paprika purchases.

73. *Organization:* Akabangile Co-operative

*Date:* 13<sup>th</sup> June 2006.

*Venue:* Community Shed

*In attendance:* 20 participants

*Objective:* Training on post harvest in groundnuts especially the management of mycotoxins (AFLATOXIN) in crops and groundnuts in particular.

74. *Organization:* Akabangile Co-operative (Lukoshi)

*Date:* 20<sup>th</sup> June 2006.

*Venue:* Coffee nursery site

*In attendance:* Wiggan Kanchela and Simon Nguluwe (ZATAC), Peter Hanzooma and Janet Nthani (SADA representatives), 20 farmers.

*Objectives:* Assure the farmers that ZATAC will continue with its programs in the area especially the irrigation installation, suggesting ways of insuring that the coffee seedlings are well looked after despite challenges relating to irrigation and that all farmers to get involved in irrigating the seedlings.

75. *Organization:* Chibote Co-operative

*Date:* 22<sup>nd</sup> June 2006.

*Venue:* Community School

*In attendance:* Wiggan Kanchela, Simon Nguluwe and Clyd Muunza (ZATAC), Mr. Nkaka, Mr. Mwelwa, Mr. Mwale (Chibote Executive members).

*Objectives:* to discuss on the security and the hiring of labour for the irrigation.