

## Annex 1

### ***Rooting out Hunger in Malawi with Nutritious Orange-fleshed Sweetpotato Round-table Management Meeting on 10 April 2012 at Hotel Victoria, Blantyre***

---

*Organized by CIP, Dr. Putri E Abidin (Project Leader), Dr. Ted Carey (Facilitator), John Kazembe and Agnes Kachiwanda (Secretary)*

#### **Participants (contact address attached):**

##### **-WALA-CRS Blantyre**

1. Jonathan Mkumbira - TQC Agric and NRM
2. Maurice Malimba - Agribusiness Coordinator
3. David Ken Nthakomwa – SPO
4. Catherine Chiphazi - Coordinator

##### **-Kachele Club in Salima**

1. Anubi Laja – Chairperson
2. Sam Kingsley Phiri – Coordinator

##### **-Concern Universal (CU)**

1. Girward Zimba – Program Manager
2. Adrian Masebo - Marketing Coordinator

##### **-Mulanje DADO**

1. Robray Masitu – Agriculture
2. Godfrey Kayira - Agriculture

##### **-Universal Industries Ltd**

Mark Klass – Technical Manager

##### **-Farmers Union of Malawi (FUM)**

Caswel Kachigwe - Regional Coordinator

##### **-CIP - Malawi**

1. Paul Demo – Potato Specialist – liaison officer
2. Putri E Abidin – Sweetpotato Seed System Specialist – Project Leader
3. John Kazembe – Field Officer
4. Agnes Kachiwanda - Acc/Admin Assistant

##### **-CADECOM**

1. Raymond Chimsale - CADECOM Secretary
2. M. F. J. Chisale

##### **-Chikhwawa DADO**

Lewis Y. Lipenga – Crop Officer

##### **-Concern Universal – MOBI+LIZE Project**

1. Christina Bham - Business Development Coordinator
2. Gracious Mnjengezulu – Agriculture Coordinator

##### **-Phalombe DADO**

1. Duncan Munyowa – Agriculture Extension
2. Brazio Mphepo – Crop Officer

##### **-Irish Aid:**

Blessings Botha - Agric/FS Advisor

##### **-Millennium Promise**

1. Timothy Kamulingeni – Agriculture Facilitator
2. Devlin Chomboto – Agriculture Facilitator

##### **-CIP – Ghana**

Ted Carey – Sweetpotato breeder

#### **Absent with Apology:**

1. Dr. Felistus Chipungu – Sweetpotato Breeder – DARS

2. Obed Mwenye – Potato Specialist – DARS
3. FAO

## **Minutes of the Meeting**

### **OBJECTIVES OF THE MEETING**

1. To strategize with NGO partners on how to market OFSP fresh roots, OFSP leaves, Vine cuttings, products that are processed from OFSP roots.
2. To find out how Universal Industries Limited has planned in processing of Vitamin A rich Biscuits using Sweetpotato Flour and also Crisps from OFSP
3. To discuss about the voucher scheme, if we continued using the subsidized voucher scheme, half-subsidized voucher and non-subsidized voucher

### **ACTIVITIES**

#### **I. OPENING PRAYER AND SELF-INTRODUCTION**

The meeting started with open prayer by Concern Universal Staff: Gracious Mnjengezulu. After the prayer, there was self-introduction from the participants. Each participant was explaining his or her name, position and organization

#### **II. OPENING REMARKS**

Opening Remarks was done by Dr. Paul Demo- Liaison Scientist for CIP Malawi

- He welcomed all participants to the meeting
- He gave a word of appreciation to Irish Aid for funding the Project, NGO partners for working hard in implementation of various activities
- He explained that at the beginning of the project, the focus was on production and utilization of OFSP.

The project has moved on so fast and this has resulted into production of more roots and hence a need to think of commercialization

- He also appreciated to see that the nutrition aspect of OFSP has increased.
- He explained the purpose of the meeting:
  1. Organize structure on how to market OFSP
  2. To anticipate quantity of OFSP roots produced from each NGO partner
  3. How we are going to strategize on marketing of OFSP and its products set roles and responsibilities for each partner

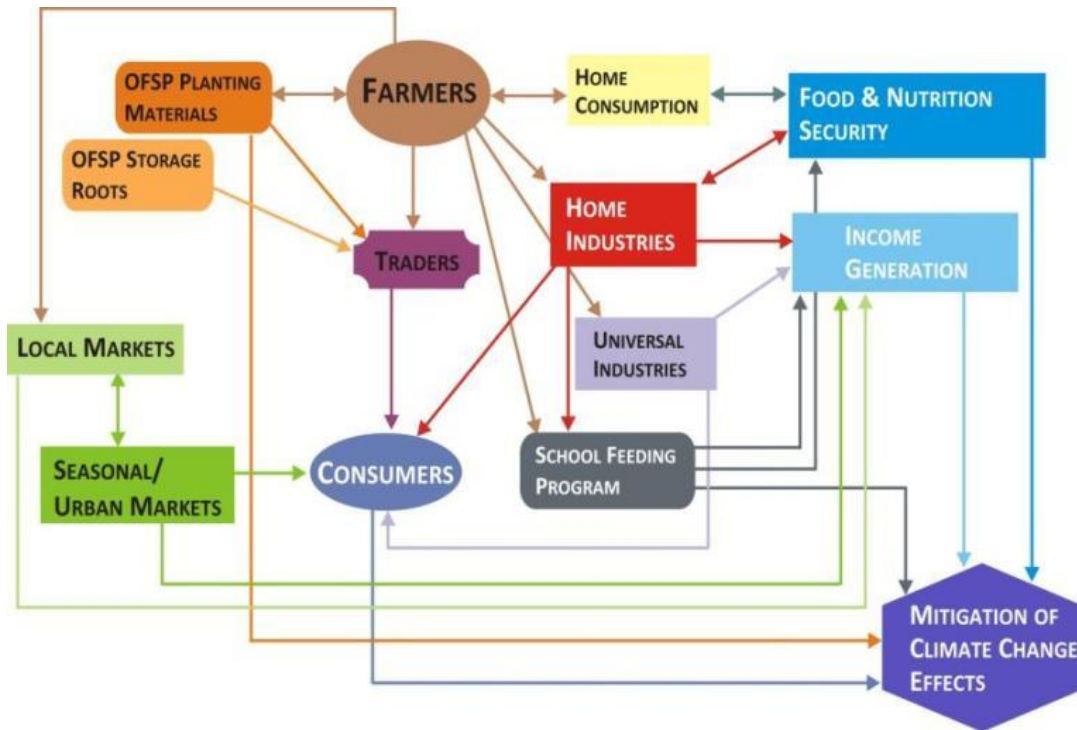
#### **III. FACILITATION BY DR. TED CAREY**

Dr. Ted Carey facilitated the meeting and gave chance to participants to give contributions. Several participants gave contributions. Below is a list of participants who gave contributions:

1. Dr. Jonathan Mkumbira-WALA  
Wanted to know is the issue of Bakery will be tackled in the discussions  
In response, Dr. P.E. Abidin explained that the issue of bakery will be discussed in the value chains

She also add that the Dairy Industry need to be supported with sweetpotato leaves  
Some leaves are not palatable for human these leaves can be used for feeding  
Livestock like cattle, pigs, rabbit and poultry

- Dr. Putri E. Abidin explained the a scheme showing potential market and product development options indicated below:



- Mr. Girward Zimba commented that there is a need to be a steady production of OFSP in order to satisfy the market demand to Universal Industries Ltd.
- Mr. Raymond Chimsale wanted to find out about storability of storage roots  
In response, Dr. Putri E. Abidin explained that there is a technology known as Triple S (Storage in Sands and Sprouting). By using this technology, the large storage roots were also stored in the sands. The initial trial done at Bvumbwe Research Station showed a promising result, that these roots could be stored up to a period of 7 months, the taste was good and the beta-carotene was analyzed and it was good. Small roots were stored using this Triple S technology as source of planting material Pit storage is another technology for storage of roots. The roots could be kept for 7 months as well. This year, we wanted to have the trial and collect data from the farmers' experiences.
- Mark Class-Universal Industries:  
Started by giving Background information for OFSP Flour Project
  - In 2006, Universal Industries Limited Board wanted to diversify on the products and value addition to the Malawian Crops. Such Crops include maize, cassava and mangoes
  - In 2007 Universal Industries Limited started to work on Sweetpotato flour. Previously they were using cassava flour in place of Wheat Flour.

The cost of Sweetpotato flour is 3 to 4 times that of cassava, but the nutritious part of OFSP is good.

- Trials were made on processing of OFSP biscuits, and they were successful.
- The volume of sweetpotato flour that can be produced per day is huge and that is an advantage to the producers
- Processing of sweetpotato crisps was also done and it was successful
- On average the requirement for sweetpotato for processing at Universal Industries is 50-60 tons per month
- Farmers shall make chips out of sweetpotato and dry the chips and mill. They will finally sell the flour to Universal Industries Limited at a Market price + 20-30% margin as selling price
- Malawi Bureau of Standards (MBS) will be involved to issue that the sweetpotato flour is of high standard

**Comments:**

a) Dr. Ted Carey commented on storability of sweetpotato flour. When stored for a long period, the quality of the flour might be lost. He suggested that if the farmers can make puree out of sweetpotato and sell the puree to Universal Industries.

b) Gracious Mnjengezulu of Concern Universal wanted to know if

- Associations will be formed for easy collection of roots
- Irrigation equipment will be supplied by Universal industries Limited

**In response, Mark Class** indicated that the NGOs shall organize the farmers into Associations and farmers shall be supported with Irrigation equipment by NGOs

c) Mr. Raymond Chimsale wanted to know if Vitamin A is retained after processing Biscuits using sweetpotato flour

d) All the participants were eager to know is the processing of Biscuits rich in Vitamin A will start this year.

**In response, Mark Class** indicated that Universal Industries will not be able to purchase machine for processing Biscuits due to economic challenges that are in Malawi.

When the economy is stable the machine will be purchased and the processing of Biscuits rich in Vitamin A will start.

#### **IV. PRESENTATIONS FROM NGO PARTNERS**

##### **1. MILLENNIUM VILLAGES PROJECT**

- Started by explaining the OFSP products that are processed by Women in Mwandama Village. These products include: OFSP Cakes, OFSP Juice, Juice from Sweetpotato Leaves, OFSP Golden Bread, OFSP Golden Buns, OFSP Chinchin, OFSP Chapatti, OFSP Sweet beer, OFSP Fritters, OFSP Doughnuts, OFSP mixed with meat, OFSP mixed with small fish

- The farmers preserve sweetpotato roots by chipping and dry on sun. They can keep the dried chips for 1 year.
- The Juice that is produced by women finishes very fast. It is on high demand.
- The OFSP fritters are on high demand because people have realized the importance of eating OFSP fritters. It provides pro-vitamin A.
- Currently there are 42 Decentralized Vine Multipliers (DVMs) and they have managed to supply vines to 8000 HH using voucher system. The Decentralized Vine Multipliers also managed to sell 600 bags of vines of each 10kgs to Balaka Rural Development Program (RDP) using none voucher scheme
- Criteria for selecting beneficiaries: Households with children under five children, Households with pregnant women, Households with people living with HIV/AIDS,
- Each beneficiary cultivated 18 ridges of 5m
- The sweetpotato production for Millennium Village Project is 18 metric tons per hectare
- The demand for OFSP planting material is so high
- Area that needs improvement for Millennium Villages Project is Tracking records on OFSP Production-Tons sold and surplus per year

## **2. CADECOM-CHIKWAWA**

- Started by giving statistical figures on OFSP-Zondeni production:  
2009/2010 season= 9.6 metric tons per hectare  
2010/2011 season=13 metric tons per hectare  
These figures were captured in Livunzu Extension Planning Area (EPA)
- Training on processing of OFSP into several products was done to Extension Staff and Farmers in 3 Extension Planning Areas namely: Livunzu, Mitole and Mbewe. The products that were processed during the training were: OFSP fritters, OFSP Porridge, OFSP Sweet beer, OFSP Juice (from roots) Juice from sweetpotato leaves, OFSP roots mixed with meat known as Mbalala in local language. These products are sold locally in Chikwawa. The price of sweet beer is Mk60 per liter
- Vine Multiplication:  
There are 12 Decentralized Vine Multipliers (DVMs) and they have cultivated 1.5 hectares of land for OFSP vine multiplication.  
6208 Beneficiaries got vouchers some beneficiaries have not yet collected the vines due to dry spells.  
These DVMs are selling vines using voucher system  
These DVMs have managed to sell vines outside the Districts like in Thyolo District and Mulanje District.
- Visitors:  
CADECOM received visitors from Zambia they came to see the projects being implemented by CADECOM- Chikwawa Diocese  
They collected OFSP vines and OFSP promotion material-Cloth (Zitenje)
- Challenges:

Prolonged dry spells and hot weather during rainy season  
Zondeni produces small roots

### **3. CONCERN UNIVERSAL DEDZA**

- Working area: 3 Extension Planning Areas namely: Bembeke, Kanyama and Chafumbwa
- Positive Deviate Hearth (PD Hearth) is being practiced in the impact areas and OFSP is one of the food being encouraged  
This is done to enhance nutrition at household level. It is done in collaboration with the Ministry of Agriculture and the Ministry of Health, Health Surveillance Assistants (HSAs) are the ones implementing on ground.
- Seed Multiplication:  
DVMs have established 823 nurseries. 2011/2012 season= 5Ha.  
Total area to date=15.66 Ha
- OFSP Beneficiaries:  
3000 Beneficiaries received vines through voucher system. They cultivated 9.6 Ha. Production estimates for OFSP in Dedza is 15 tons per hectare
- Demand for OFSP is high due to the campaign that was conducted in the area
- Success Story:  
One farmer, Mr. Chimpikidzo has found an International market for OSFP roots. He is selling 8 Bags of OFSP of each 50kgs to South Africa fortnightly. The price of one bag is MK8, 000.00
- Challenges:  
Transition from winter to summer, vines are scarce
- Opportunities:
  - Commercialization of OFSP can be achieved
  - Availability of more irrigation schemes for vine multiplication

### **4. CONCERN UNIVERSAL PHALOMBE AND MULANJE**

- Working area:  
7 Traditional Authorities, 32 Group Village Headmen, 140 villages
- OFSP Beneficiaries:  
857 Beneficiaries in Mulanje  
6627 Beneficiaries received vouchers so far 5734 have accessed the vines using vouchers representing 85% of the total beneficiaries.  
1000 HHs accessed vines through none voucher scheme; they bought using their own money.
- Seed Multiplication:  
There are 60 DVMs; 30 DVMs in Phalombe and 30 DVMs in Mulanje  
Total area under multiplication is 10 Hectares

- Production estimates for OFSP in Mulanje and Phalombe:  
2010/2011 season 20 Metric tons per hectare  
2011/2012 season 15 metric tons per hectare. This is so due to dry spells that affected the area at the beginning of the season.  
570 metric tons of sweetpotato will be produced this season
- Processing and utilization of OFSP:  
20 ToT were trained  
26 Lead Farmers were also training in processing of various products from OFSP like: Sweet beer, Fritters, Juice, doughnuts, golden barns  
50% of the trained farmers started small scale businesses
- Challenges:  
In the past, the crop was seasonally available. Thus, when sweetpotato roots were in abundance, the processing of OFSP was there, once the roots were not available, the farmers lacked the roots to process products.  
Concern Universal is planning to hold a market forum with Bakery owners
- Success Stories:  
Mr. Namanya who stays in Mpata Section owns a Tea Room. Her wife was trained in processing of products from OFSP. When she went home she started processing fritters from OFSP. These fritters are so delicious.  
More customers are now coming to the Tea Room of Mr. Namanya than any other Tea Rooms in the area because they are interested in fritters.
- PALATABILITY OF SWEETPOTATO LEAVES:  
According to Gracious Mnjengezulu, the leaves of Zonden roots are liked by a lot of people in Mulanje and Phalombe than any other sweetpotato leaves.

#### **5. WELLNESS AND AGRICULTURE FOR LIFE ADVANCEMENT (WALA)**

- WALA impact Districts:  
WALA is working in 7 Districts (Balaka, Machinga, Zomba, Chiradzulu, Thyolo, Chikhwawa and Nsanje). OFSP is being promoted in these districts  
In the 2011/2012 rain season, CIP Malawi is strengthening the seed system for OFSP the 7 districts of WALA.
- Seed Multiplication:  
The seed multiplication of OFSP is doing very well for instance in Zomba and Machinga Districts, as well as other districts.
- WALA has also partnership with DARS. Demonstrations were mounted. Selira and Mugamba were selected
- Production of OFSP. This year, farmers planted a lot of sweetpotato because maize crop failed due to prolonged dry spells

#### **V. GENERAL DISCUSSIONS**

The Facilitator asked the participants to explain strategies that can be put in place to ensure appropriate marketing of OFSP and its products.

1. Dr. Mkumbira gave the following remarks:

- Identification of where farmers are
- Organizing farmers for fresh market
- Irrigation system can be properly planned for example practicing stagger production. Where by sweetpotato are planted at different dates to ensure supply of roots all year round so that farmers can satisfy the requirement of some buyers like Shoprite. The following Figure is supporting his statement.
- Linking with Malawi Bureau of standards to give standards for processed OFSP products

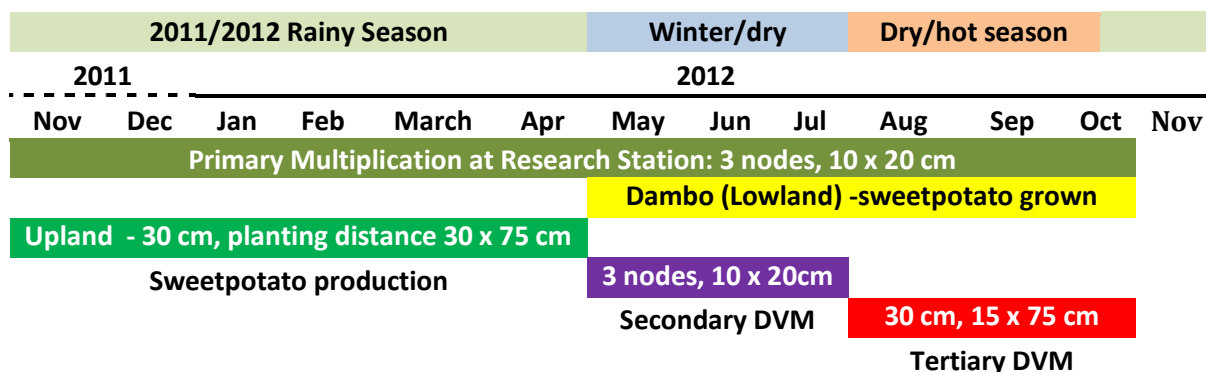


Figure: Proposed Sweetpotato calendar in Malawi: Integrated sweetpotato production and 1-2-3 seed systems

2. Dr. P.E. Abidin commented that:

Hotels can be potential markets for small roots, too. For example, in Lilongwe Sunbird Hotel, small sized roots were served at the buffet during breakfast.

3. Blessings Botha commented that:

Bakeries Association of Malawi already works with The Malawi Bureau of Standards, so we can discuss with them on how to incorporate OFSP products.

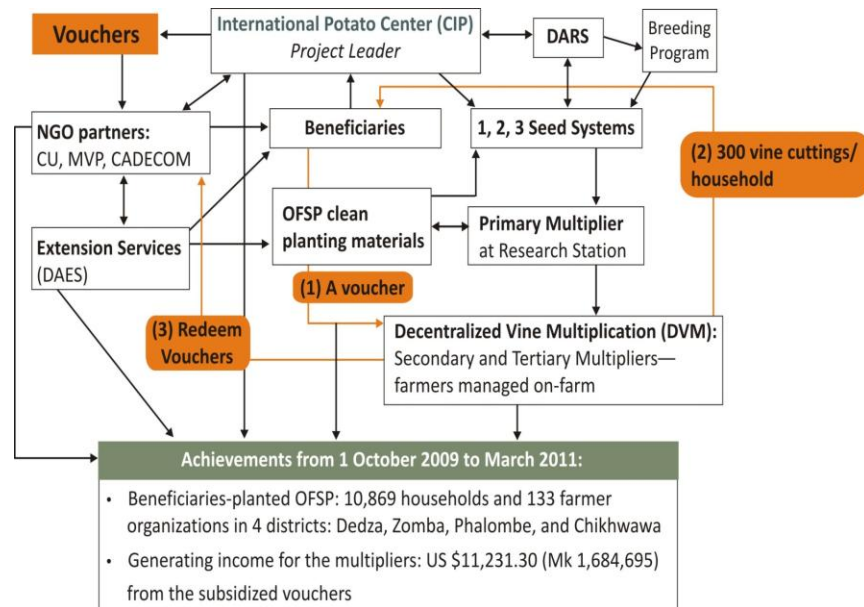
## VI. VOUCHER SYSTEM

### Subsidized vs. Non Subsidized

- By using the voucher system we aimed at ensuring the households who have children under five, pregnant women, HIV/AIDS affected could access OFSP vines
- Standardization:  
Each HH receives 4kgs of vines which has 300cutting of 30cm long



- Strategy (see the voucher scheme below):
  - NGOs gives the number of beneficiaries
  - CIP prints vouchers based on figures given by NGOS and prepares the budget, and then, gives the inquired vouchers and funds to the NGOs. NGOs will use this budget to redeem the vouchers from selling of vines by the multipliers to targeted beneficiaries
  - The beneficiaries who received the voucher will approach the DVM to get the vines when the land is well prepared and the planting rains are ready



- Apart, 10001 bundles were sold on non subsidized scheme.

Question:

For the new NGOs like WALA, FUM, Kachere Club are we going to continue with the voucher system?

Participants gave comments:

1. Dr. Jonathan Mkumbira suggested that the pass on program is good. He also suggested that working with business departments can help farmers to find markets for the roots and processed products.
  2. Mr. Devlin Chomboto-MVP and Raymond Chimsale-CADECOM Chikhwawa suggested that demand creation needs to be emphasized, people realize the importance of OFSP, then they can buy vines without problems.
- For the NGOs where subsidized voucher system is practiced, Dr. P. E. Abidin announced that there would be a cut on the number of beneficiaries in this rain season of Nov 2012 based on the budget from Year 3.

- The participants still suggested that if a strong demand creation is done on the importance of OFSP, the vines can be sold without voucher system.
- Blessings Botha suggested that a rapid assessment should be conducted in the districts that are using the voucher system to assess if the voucher system can be phased out

## VII. WRAP-UP DISCUSSIONS

### Way forwards:

#### 1. Marketing: based on Irish potato – Universal Industries

- Farmers' groups
- Can work with NGOs
- Sign contract
- Provide planting materials
- With NGO → irrigation facilities

#### 2. Voucher system:

A rapid assessment should be conducted in each district with fully consider in:

- How much is a voucher worthy by government related to food and nutrition security
- How much can the multipliers/farmers contribute to the vouchers
- How much can NGO Implementing Partners contribute to the vouchers
- How much can DARS contribute on the clean planting materials?
- How much can Irish Aid support for funding the vouchers

### Wrap-up discussion

#### 1. Millennium Promise (formerly as Millennium Villages Project)

- Have purchased chippers for ofsp flour production/product development.
- Link with other NGOs for vine and product supply.
- Work to establish organized group in each cluster doing processing.
- Advertising Millennium Promise OFSP to the outside.
- Women group in cluster to produce and sell scones and bread.
- Intend to intensify nutrition awareness and use of products at household level.
- Primary school feeding program with OFSP at one location.

#### 2. Kachele Club in Salima

- Promotion of OFSP use/benefits at primary schools.
- Hope by the end of the production season to be selling to students at schools.

### **3. CU – Phalombe/Mulanje.**

- Organize farmers in to groups for selling fresh produce or products.
- Will also do promotion through open days to create demand.
- Will promote value addition.
- Have a chipper for production of flour.
- Promote fritters.
- Also interested in linking farmers to buyers, for example, a factory in the Mulanje area. This factory is actually a local business currently producing white sp flour. They are establishing an MOU with the factory.
- Interested in linking to commercial buyers in Blantyre as well.
- First priority is given to generating local demand, for example encouraging local irish potato fryers to produce sweetpotato fries (chips) – challenge that the oil consumption is high.
- Targeting women who are already making fritters to encourage them to incorporate OFSP (fresh or flour).

### **4. CU-Dedza**

- Market development through promotion during open days.
- Bakery products, fritters, juice, bread, crisps. Bakery groups are already present in the district, and will encourage these to use OFSP.
- Explore linkages with buyers, both national and international, since there is a farmer selling to S. Africa.
- Linkages between decentralized structures and vine multipliers in order to make the linkage for accessing OFSP.
- Integrating OFSP in positive deviance hearth sessions – targeting malnourished children.
- Will continue to promote nutritional value of OFSP to continue stimulating demand.
- Overall, will seek to inculcate a serious business approach for both sweetpotato roots and vines.

### **5. CADECOM-Chikwawa.**

- Production levels still need to come up.
- First priority to satisfy local household demands.
- Plan to visit Blantyre to see universal Industries and others.
- OFSP sells like hotcakes in the local market already.
- Training on processing is getting some emphasis so that various products will be available in addition to fresh roots.
- Will also encourage households to maintain their planting material.
- Will make sure that OFSP will be present at MoA field days, talking about nutritional value and production and products.
- DVMs will also be encouraged along with commercialization of OFSP, including new varieties.
- Goal is for OFSP to be an export crop to S. Africa and others on a regular basis.

## **WALA**

### **Agronomy group**

- Seed system as a business.

### **Business group**

- Will focus on linking farmers to markets.
- Also will be training farmers to think of farming as a business – understanding profits, etc.
- Will be using “farmbook” program for farmers to use to track profitability of their activities.
- Interested in producing livestock feed based primarily on cassava/sweetpotato as opposed to maize which requires fertilizer and so may be less expensive.
- This will take care of sweetpotato/cassava crop residue, adding value to the by-products.
- Will work on fried chips around the Bvumbwe area.
- Hope to be a major supplier to Universal industries since WALA and partners surround Blantyre.
- It is likely that WALA may enter into agro-processing in response to demand in future.

At the end of the meeting, Dr. P.E Abidin from CIP and Blessings Botha from Irish Aid gave remarks.

1. Dr. Erna Abidin:

#### **Coordination**

She explained that hopefully there will continue to be good communication among all partners to enhance sweetpotato market opportunities.

#### **Communication**

Success stories can be posted on the sweetpotato knowledge portal using the following website: <http://www.sweetpotatoknowledge.org>. These stories are very beneficial for communicating the results of the project, and helping to guide the way forward.

2. Closing Remarks by: Blessings Botha

In his speech, he said:

- He was very happy to learn experiences from the participants from various NGOS.
- He was very happy to learn that a business man in Phalombe managed to create a demand in his Tea Room by preparing fritters from Orange-fleshed sweet potato. These are the types of stories that need to be told in order to encourage the Irish People to continue investing to benefit the people of Malawi.
- Finally he thanked all the participants for coming to the meeting.

Meeting was ended with a closing prayer by Concern Universal Staff: Gracious Mnjengezulu

No	NAME OF PARTICIPANT	SEX	POSITION	POSTAL ADDRESS	EMAIL ADDRESS	MOBILE PHONE NUMBER
1	Jonathan Mkumbira	M	TQC Agric and NRM	WALA	jmkumbira@walamalawi.org	0999 180 944
2	Raymond Chimsale	M	CADECOM Secretary	CADECOM	rchimsale@africa-online.net	0888 504 406
3	M. F. J. Chisale	M	Agric. Coordinator	CADECOM	chisalemontfot@yahoo.com	0888 647 460
4	Lewis Y. Lipenga	M	Crops Officer	Chikwawa DADO	lewis@gmail.com	0884 076 921
5	Anubi Laja	M	Chairperson-Kachele Club	Box 303, Salima		0995 185 935
6	Sam Kingsley Phiri	M	Coordinator-Kachere Club	Box 303, Salima	Samkphiri2009@gmail.com	0993 851 375
7	David Ken Nthakomwa	M	SPO	CRS, Blantyre	David.nthakomwa@crs.org	0995 665 003
8	Girward Zimba	M	Program Manager	Concern Universal	girwardzimba@concernuniversal.org	0888 898 365
9	Adrian Masebo	M	Marketing Coordinator	Concern Universal	admasebo@yahoo.com	0888 861 248
10	Maurice Malimba	M	Agribusiness Coordinator	WALA	mpckalimba@yahoo.com	0888 844 360
11	Christina Bham	F	Business Dev. Coord.	MOBI+LISE Project	Christina@mobilisemw.com	0888 712 223
12	Robray Masitu	M	Agriculture	Mulanje DADO	robbraymasit@yahoo.com	0888 513 235
13	Godfrey Kayira	M	Agriculture	Mulanje DADO	godkayirabe@ymail.com	0888 168 341
14	Gracious Mnjengezulu	M	Agric. Coordinator	CU-Mulanje	Gracire2005@yahoo.co.uk	0888 777 977
15	Duncan Munyowa	M	Agriculture Extension	Box 63, Phalombe	dumuntm@yahoo.com	0888 898 550
16	Brazio Mphepo	M	Crop Officer - UI	Box 63, Phalombe	blaziomphepo@yahoo.co.uk	0888 500 665
17	Mark Klass	M	Technical Manager	Box 507, Blantyre	mark@unibisco.com	0888 206 700
18	Paul Demo	M	Potato Specialist	Box 31600,Lilongwe	p.demo@cgiar.org	0881 555 470
19	Erna Abidin	F	Project Leader	Box 31600,Lilongwe	p.abidin@cgiar.org	0993 821 221
20	Blessings Botha	M	Agric/FS Advisor	Irish Aid	Blessings.botha@dfa.ie	0888 303 093
21	Caswel Kachigwe	M	Regional Coordinator	FUM	kachingwecaswel@yahoo.com	0888 707 751
22	John Kazembe	M	Field Officer	Box 31600, Lilongwe	kazembejohn@yahoo.co.uk	0999 446 963
23	Timothy Kamulingeni	M	Agric. Facilitator	MVP	Kamulingeni@gmail.com	0999 099 127
24	Devlin Chomboto	M	Agric. Facilitator	MVP	dchomboto@hotmail.com	0999 624 486
25	Charles Kafamtipite	M	Driver	MVP		
26	Frank Yusuf	M	Driver	MOBI+LISE Project	frankyusuf@yahoo.com	0888 614 212
27	Agnes Kachiwanda	F	Acc/Admin Assistant	CIP	akachiwanda@hotmail.com	0999 958 613
28	John Warren Ndovi	M	Driver/Office/ Field Assist.	CIP	ndovijohn@yahoo.com	0881 539 866
29	Elias Chipembere	M	Driver/Mechanic	CIP		0999 681 213
30	Catherine Chiphazi	F	Coordinator	CRS-WALA	catherinechiphazi@crs.org	0888 870 954
31	Ted Carey	M	Sweetpotato Breeder	CIP-Ghana	e.carey@cgiar.org	