

CONSERVATION SCIENCE AFRICA



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THE AFRICAN REGIONAL COMMUNITY DEVELOPMENT ECO-INITIATIVE

REQUEST ID#: 11548



PAUL G. ALLEN FAMILY FOUNDATION ANNUAL REPORT

2013

Executive Summary

The 2013 project goals were:

58 workshops supported by monitoring, extension service back-up in the field and business supply assistance:

- 12 Basic Conservation Farming Training Workshops (6 workshops in each of Botswana and Zambia) for a total of 48 new eco-initiative participants (24 new participants in each of Botswana and Zambia).
- 46 Advanced Workshops (23 workshops in each of Botswana and Zambia) for 184 existing community eco-initiative participants who are performing well (92 participants in each of Botswana and Zambia).

Recap of Workshop Content:

Basic workshops:

Participants are taught conservation farming methods using eco-composting techniques to cut down on the use of commercial fertiliser and chemicals on household vegetable plots. Participants are required to build

- 1 basic eco-compost unit (4 square meters)
- 1 basic vegetable garden unit (9 square meters)
- 1 rotational crop plot (36 square meters)

Advanced Workshops:

Requirements:

- Participants had to have completed a basic training course either earlier in the year or as part of the programme in 2012
- Kept their eco-compost units and homestead vegetable plots going to the standard required. This was checked by trainers.

Included in the Advanced Workshops:

Basic business training based on material developed by TechnoServe International using their CREATE model for adult education. Modules included goal setting, calculations and record keeping for the following:

- Hectares and Yield
- Crop Unit Costs
- Sales Costs
- Profit margins
- Supply and demand
- Managing transactions and transaction types
- Loans and interest rates
- Budgeting for expenses
- Planning for crops

Training on sweet potatoes:

- Growing
- Propagation of cuttings
- Other uses of sweet potatoes as poultry feed.

Participants were also given either Poultry or Solar lantern options:

Poultry Training:

- Poultry husbandry
- Basic veterinary care.
- On site assembly of kit form portable cages

- The Poultry workshop participants are required to give back an equal number of breeding stock (5 birds) within 12 months.

Solar training:

- Environmental advantages and benefits of solar power
- Care of solar panels and lights
- Managing solar charging for greatest efficiency.
- The Solar Program participants got a donation of 4 lanterns to start their microenterprise.

Participants who did well on one option (poultry / solar) could be invited to sign up for the other option.

At the completion of the 2013 project, a total of 68 workshops were conducted (36 in Botswana and 32 in Zambia) with 242 community members receiving training and support (132 in Botswana and 110 in Zambia). Some participants were invited to attend more than one workshop.

- 26 Basic Conservation Farming Workshops (Botswana 12 - Zambia 7). Through these Basic Conservation Farming Workshops, 49 participants have received training in Botswana and 29 in Zambia.
- 49 General Small Business Management Training (Botswana 24 - Zambia 25) with 195 participants receiving General Small Business Management Training with household poultry and renewable energy (solar) options. (Botswana 95 – Zambia 100) In Botswana 16 participants did both poultry and solar training. In Zambia 2 people did both poultry and solar training.

PROJECT MEASURABLES ACHIEVED – 01 January 2013 to 31 December 2013

Project Start Date: 1 January 2013

Project End Date: 31 December 2013

BASIC CONSERVATION FARMING WORKSHOPS:

Although CSA included a schools training programme in the first half of the year, for the purposes of this report, only adult participants are included.

Botswana Basic Workshops	Length (Days)	Workshop Days	Participants	Over / Under Target
12	3	36	49	+25
Module:	Built	Satisfactory	Below Standard	Failed
Eco-compost Units	49	38	7	4
3mx3m Vegetable Plots	49	35	9	5
6mx6m Crop Plots	49	27	20	2
Zambia Basic Workshops	Length (Days)	Workshop Days	Participants	Over / Under Target
7	3	21	29	+5
Module:	Built	Satisfactory	Below Standard	Failed
Eco-compost Unit	29	24	5	0
3mx3m Vegetable Plot	29	27	2	0
6mx6m Crop Plot	29	29	0	0
19 basic workshops		57 Days	78 Participants	+10 Over target

Botswana

A total of 12 Basic Conservation Farming Workshops were held. 49 adults were trained. Each workshop consisted of group training with the participants gathering at the home of the first participant. CSA facilitates transport for collection of mulch, manure and any other organic waste available close to that site. Participants prepared the eco-

compost units, the 3x3 vegetable plots and the 6x6 crop plot for that participant. The eco-compost unit is inoculated with a bag of worms and the growing plots holed out. Eco-compost is added to the planting stations. They would then proceed to the next participant's home and repeat the process till all compost units are dug and growing plots are prepared.

Assessment Notes:

The 6x6 crop plots are the hardest to assess on an annual basis as they are rain fed plots. Planting takes place in December once there has been good rain. There was a very hot dry spell after New Year's day when no rain fell for 20 days. Crop plots were wilted and struggling. It remains to be seen if the maize crops planted will yield well.

The 3x3 Vegetable plots have had a fairly good maintenance level with participants using their eco-compost well. Sweet potato cutting have been widely distributed and require less water than other vegetables.

The eco-compost / worm modules remain a good source of added income with worms selling for P35 per measure – usually about half a teacup (125ml)

Zambia

Although CSA included a schools training programme in the first half of the year, for the purposes of this report, only adult participants are included.

A total of 7 Basic Conservation Farming Workshops were held. 29 adults were trained. Each workshop consisted of group training with the participants gathering at the home of the first participant. Mulch close to that site is collected as well as any wildlife dung that may be present. Participants prepare the eco-compost units, the 3x3 vegetable plots and the 6x6 crop plot for that participant. Worms are collected for the eco-compost unit and the growing plots holed out. Eco-compost is provided from project sites close to the site. The participants then proceed to the next participant's home and repeat the process till all compost units are dug and growing plots are prepared.

Assessment Notes:

6x6 Crop Plots: Planting took place with the rains. The outlook for this season is good.

The 3x3 Vegetable plots have had a good maintenance level with participants using their eco-compost well. Cassava has done well. The participants without access to wells find the going tough in the hot dry months from October to the beginning of the rains. Many carry water for garden use.

Eco-compost units: Generally good maintenance with 5 units appearing untidy.

GENERAL SMALL BUSINESS MANAGEMENT TRAINING:

A total of 49 General Small Business Management Training courses for 186 participants

The advanced courses were for past participants. Participants who performed well were invited to attend a second course.

Botswana Advanced Training Courses	Length (Days)	Workshop Days	Solar Participants	Poultry Participants	Total Participants	Over / Under Target
20 Full Courses	5	100	56	23	79	
4 Refresher Courses	3	12	8	8	16	
Sub Total		118 Days	64 Solar	31 Poultry	95 Participants	+3 Participants

Zambia Advanced Training Courses	Length (Days)	Workshop Days	Solar Participants	Poultry Participants	Total Participants	Over / Under Target
25 Full Courses	5	125 Days	71	29	100	+8 Participants
Totals	49 Workshops	243 Days	135 Participants	60 Participants	195 Participants	+11 Participants

Botswana small business training:

16 Participants were invited to attend both the chicken and solar course. The second time they participated, the course was as a refresher course of 3 days each with attention paid to modules that interested the participants. Inevitably participants wanted to explore simple budgets and cash flow with an eye on approaching CEDA (the Citizen Entrepreneurial Development Authority) for assistance. Trends amongst Participants;

- Participants were very open to borrowing money as an option.
- Participants were more focused on livestock than extensive commercial cropping.
- Government entrepreneurial and youth development programmes are well known and participants view Government as the preferred source for assistance.
- Great interest shown in producing business plans for loans and assistance programmes
- Good education levels. Single parents mostly live with their parents. Household income is controlled by the males (unless the female has her own household) to the extent that the men do the grocery shopping.
- Maun participants have access to cattle posts and where they migrate to in December and January and where they grow subsistence crops of maize.
- Cattle are viewed as the best investment
- Popular business ideas were:
 - Livestock farming (cattle and chickens)
 - Engineering shops offering welding and manufacturing
 - Taxi transport

Botswana Poultry:

31 participants received poultry training, a portable cage and 5 birds. Cages in kit form are prepared ahead of time by CSA. Participants are taught to assemble the kits. Cages are delivered to their homes. Of these, 3 participants received 5 guinea fowl each sourced at P150 per bird. 1 participant's guinea fowl were killed when a pack of stray dogs broke into the cage. These guinea fowl were replaced with chickens. 28 received Tswana chickens. It was more effective to give the participants P200 each to source their own chickens.

Cages are placed on top of new eco-compost units so that the chicken manure falls through onto the unit. Chickens are breeding well and all participants' flocks have increased. Eggs and meat are supplementing the household diet. The Department of Wildlife and National Parks (DWNP) issued household permits to guinea fowl participants but do not permit eggs to be hatched under chickens. The project sourced an incubator and lodged it with Mr. Nkape Kealotswe. This locally assembled incubator has not been a success. Mr Kealotswe and Mrs Abenico have negotiated with the owner of another incubator in Maun to incubate their eggs. This incubator is much more robust and works well.

All poultry participants received Newcastle vaccine for themselves and their neighbours.

Botswana Solar:

64 Participants received solar training and each received 4 solar lanterns. 256 lanterns were issued and 71 extra lanterns offered for sale at cost. We cut the number of lanterns issued to participants down to 4 each. The demand is good and all lanterns were sold. Participants could have sold more lanterns.

The whole solar programme has not performed as predicted. When the final proposal for funding for 2013 was submitted, we had been in contact with the Pitsolar representative China, Ji Guo and Robert Thompson in East Africa. Our initial idea was for two types of lanterns. The first would be assembled by participants and the second would be a lantern which allowed the owner to control the number of charges through a handheld device. This lantern could then be leased out to customers for a certain period and number of charges. Unfortunately by the time we reengaged them, they had discontinued the local assembly option as they encountered quality control issues. The leased lantern option required handheld device at a cost of \$350.

Initial stock of 48 Toughstuff lanterns was from Zimbabwe. We eventually sourced a supplier of the same brand in Francistown and bought their entire stock of 279 lanterns (Total bought 327). The sourcing of lanterns has been problematical. Toughstuff lanterns double as a cell phone charger. The charger is very important to the participants enabling communications with people at cattle posts without electricity but yet they can pick up cell phone signal.)

(See Appendix I – 2013 Botswana Workshop Participants)

Zambia Small business Training:

A total of 20 General Small Business Management Training courses were conducted during 2013, for a total of 100 participants over 105 workshop days.

The training was well received.

Trends amongst Participants;

- Female participants were reluctant to consider borrowing money as an option.
- Participants were more focused on household and small market food production than extensive commercial cropping.
- Bartering is a large part of the economy.
- Participants view cooperatives with suspicion and banks as unapproachable. Micro financing and Government entrepreneurial development aid is not available in South Luangwa although one microfinance representative did visit the area but nothing came of it.
- Participants education levels lower than in Botswana and much larger family units. A greater number of single breadwinners, elderly dependants, and dependants other than their own children.
- Where the breadwinner is a male, control of household income resides with the male. However if the woman earns the income she is not obliged to hand over that income.
- Livestock farming is not an option due to the tsetse fly.
- Participants most often chose to work on retail business examples. Popular business ideas were:
 - Roadside stalls reselling used clothing coming from Europe (called salaula) and available at a warehouse across the border in Malawi.
 - Transport / taxi services
 - Hair salons and tailoring shops

Zambia Poultry:

29 participants received poultry training, a portable cage and 5 birds. Cages in kit form are prepared ahead of time by CSA. Participants are taught to assemble the kits. Cages are delivered to their homes. Participants were provided

with a household poultry cage and the money to buy at least 5 birds of their choice – guinea fowl, chickens or ducks. Of these, 1 chose guinea fowl, 1 chose ducks and the rest chose chickens. Villagers in Zambia report that a family would normally eat chicken once a month. The eggs and meat are a much needed additions to the diet. Flocks are breeding well. Newcastle vaccine was provided for participants and neighbours and was a great success. Newcastle is prevalent in the hot season. Very few participants lost chickens this year.

Zambia Solar:

71 participants were provided with 4 solar lanterns each. Original stock of Toughstuff lanterns came from Zimbabwe. The 2nd consignment came from Suntech in Lusaka without a cell charger component. We finally settled on the cheapest option from Solaraid Lusaka. Participants placed great value on the cell phone charger component. 408 Lanterns were bought. 284 were issued and 124 sold.

Trainers report that the small Dlights are being ingeniously adapted by participants to charge mobiles.

(See Appendix II – 2013 Zambia Workshop Participants)

B. Training, Field Extension, Monitoring and Evaluation Measurables

1. Regional Consultants

1 X CSA Science Consultant (A. Kockott) – 98 Days.

1 X CSA Training Consultant (S. Kockott) – 70 Days.

1 X CSA Training Consultant (G. Darby) – 85 Days.

1 X CSA Consultant Roving (P. Kockott) – 88 Days.

2 X CSA Roving Field Officers

- Andson Mutasa – 180 Days
- Crispen Mudyanavana – 180 Days
- Ackim Sibanda – 90 Days
- Byron Bvuta – 60 Days
- Mallon Bvuta – 30 Days

2. In-Country Staff – Botswana

In-country staff contracts ended 31 January 2013. The staff have formed a partnership which is submitting a proposal to the Department of Youth and Department of Agriculture to carry out training programmes.

5 X CSA Extension/Support Service Officers – 1,185 days.

- Onka Kebonyemodisa Team Leader Training and Monitoring – 281 Days
- Merafe Kebonyemodisa – Training and Bridge Garden - 272 Days
- Gaogakwe Majatsi – Bridge Garden - 302 Days
- Ngwao Baswi – Training and Bridge Garden - 271 Days
- Nkape Kealotswe – Training and Monitoring (September 2013) – 59 days.

3. In-Country Staff – Zambia

9 X Extension Officers deployed under monthly household sponsorship agreements – 2,406 days. Sponsorship agreements ran until the 31 December 2013.

- Joseph Palanga – Community Vegetable Coordinator and monitor – 267 Days
- Mabeka Dzimba – Trainer and monitor - 257 Days
- Tyson Mwanza – Trainer and monitor - 270 Days

- Tani Zulu - Chiwawatala Centre – 273 Days
- Paul Mwanza – Training and Monitoring Mwaiseni Centre – 273 Days
- Chilufiya Kazilimani – Chiwawatala Centre – 265 Days
- Chrispen Ngoma – Mwaiseni centre – 266 Days
- Steven Banda – Chief Mkhanya Centre - 266 Days
- Davison Chulu – Chief Mkhanya Centre - 269 Days

4. Monitoring and Extension Services

Botswana

All workshop participants in Maun were monitored monthly. Participants in Habu and Tsau were monitored bi-monthly. 5 In country staff underwent the FAAB Training the Trainers based small business training and took part in the solar and poultry program.

Zambia

Workshop participants/sites within the Mfuwe Community were monitored on a monthly basis. In addition the existing Outreach Centres at Mfuwe Lodge, Chiwawatala, Mwaiseni and Chief Mkhanya Eco-Initiative Centre were managed on a full time basis.

3 In country staff trainers underwent the FAAB-based Training the Trainers training and took part in the solar and poultry program.

Marketing Measurables

Vegetables grown by participants at the Bridge Garden belong to the participants.

In Zambia, vegetables produced by the Eco-Initiative participants, and from the Chiwawatala School Eco-Garden, Mwaiseni Eco- Garden and Chief Mkhanya’s Eco-Garden were marketed to Mfuwe Lodge.

(See Appendix III – 2013 Zambian vegetable sales)

Appendices

Appendix I – 2013 Botswana Workshop Participants

PPANT NUMBER	SURNAME	FIRST NAME	ATTENDED POULTRY	ATTENDED SOLAR	BASIC TRAINING	COMMENT
1	BATILENG	AGNES	1	1	1	
2	KEBONYEMODISA	ONKAGETSE	1	1		
3	KESEBETSWE	MOINEEDI		1		
4	KESEBETSWE	MOKHAIDI			1	
5	MOKENA	BOITSHEPHO		1		
6	MONNAADINTWA	OTHOPHAMANG		1		
7	MONNAAKGOTLA	KEKGOTSO		1		
8	SEBOKO	RUTH		1		
9	SEGOSEBE	SEGAMETSI		1	1	
10	TSHABO	PATRIC SOLOMON			1	FAILED

11	AMOS	THULAGANYO		1		
12	BARATI	JOSEPH			1	
13	CARO	GAKEBABOPE		1		
14	DITIHO	KEIKOBILE		1		
15	GALOBAITSE	KEODIRETSENG		1		
16	KEALOTSWE	VICTORIA		1	1	
17	KEKEME	BAITSEGE		1	1	
18	MONNAADINTWA	KEBUILENG		1		
19	MPHO	BOITSHWARELO		1		
20	XHEKE	MOTHUSI	1	1		
21	BATILENG	OPELOTHOMOGI		1	1	
22	DISIPI	THEBE		1		
23	KAPOMBORA	LETSWANG	1		1	
24	KEBONYEMODISA	ONALEENE		1	1	
25	MOSINKI	TEACHER			1	
26	MOTHOEMANG	KGALALETSO		1		
27	NCUBE	SEKHANYEZILE			1	
28	SEEPETSWE	DITSHWANELO		1		
29	SELABEKA	EMILY	1	1		
30	SELOKA	NEO			1	FAILED
31	TLHALOETSILE	LUKE		1		
32	GAKETLOU	MARIA			1	
33	KEALOTSWE	NKAPE	1	1		
34	NALEDI	OTISITSWE	1	1	1	
35	NONOFO	JANE		1		
36	OPELO	KILANO		1	1	
37	SAMANYA	KHUMO		1		
38	SAMBERE	GODIRWANG		1		
39	SEGADIMO	DORCUS		1	1	
40	BASWI	NGWAO	1	1		
41	BOATHOGILE	SEELETSO		1		
42	DITLADI	MARIAM		1		
43	MORUTHUMANG	BADIREDI		1	1	
44	RAMPA	GAOBOTSE SHAKE		1	1	
45	SAMBERE	DITSHEBO	1	1		
46	BABINAKGOSI	ONKGOMODITSE			1	FAILED
47	DITSHEKO	SEGOPOTSO	1			
48	MONNAAKGOTLA	GAOTIMANE		1	1	
49	MONNAAKGOTLA	KETSHOTSENG		1		
50	MUTASA	JULIET		1		
51	RANTONG	KAOTSHEPHA		1		
52	SELOKA	MAIPELO			1	
53	KGOMOTSO	SOPHIE			1	
54	MAMVUBA	TONDERAI		1		
55	MONAKALADI	ELIZABETH			1	
56	MONNAAKGOTLA	MOTIMANE		1		
57	MORONTSHI	OGANYEDITSE		1		

58	PULAMORE	OBUSITSWE	1			
59	KASHE	GAEKGALE	1			
60	MARIGASI	MARIGASI		1		
61	MOGOMOTSI	OGOPOTSE		1		
62	OTIMILE	GAOBOTSWE			1	
63	SETONGWANE	BAITAMEDI		1		
64	BASELE	KEDIBONYE			1	
65	BOALOTSWE	BOTSWANG		1		
66	DITORO	CHIDZANI		1		
67	KELEBEMANG	DIMPONYE		1	1	
68	PULAMORE	KEHAGAMETSE	1			
69	LEDIMO	KEKGABILE			1	FAILED
70	MAJATSIE	GAOGAKWE	1	1		
71	MOKGATHI	KEMONGWE		1	1	
72	TSURA	KELETILE		1		
73	KEBONYEMODISA	MERAFE	1	1		
74	DANIEL	BAREETSI	1	1		
75	GOTSILEWAME	MOGARI	1			
76	MONNAAKGOTLA	HILDAH	1	1		
77	OLEFILE	DINEO	1		1	
78	KENAKEMO	OLORILWE	1	1		
79	DITSHEKO	ABEDNICO	1			
80	RADIBOBA	BOPHELO	1			
81	MALOPO	GASETHATA	1			
82	BALUSI	TLAMELO	1			
83	KANDU	KANATJE	1			
84	KENAKEMO	KEBITSANG	1	1		
85	KAPWE	NDU	1			
86	XUBERE	IKOBENG	1			
87	MOGAPI	GOTHOKWANG	1			
88	GALOBATSE	KEMMONYE	1	1	1	
89	MOHITHIMANG	BADIREDI	1	1	1	
90	DANIEL	MASEGO			1	
91	CARO	GAKEBABOPE			1	
92	GAOTINGWE	KETSHEPEMANG		1		
93	KABO	METLHA			1	
94	KENNETSENG	TEBOGO			1	
95	KEOLOPILE	FELITUS		1		
96	LETSATSI	BOITUMELO		1		
97	MAKGETHE	REUBEN			1	
98	MATANE	MOTSUMI			1	
99	MOITOB	LEKANG			1	
100	NAWA	MOATHODI			1	
101	NKALOLANG	DELUKANI			1	
102	NKWE	ZACHARIA			1	
103	NTSHEKANG	TSHEGOFATSO			1	
104	OGOROGILE	KEUTILWE			1	

105	SETLAKGOSI	MOABI			1	
106	SOONA	KELEBOGILE		1		
107	TANGO	ONONOFILE			1	
108	TEMA	MOTLHABANI			1	
109	THATANYANE	OBUSITSWE			1	
110	THOROMO	TREVOR			1	

Appendix II – 2013 Zambia Workshop Participants

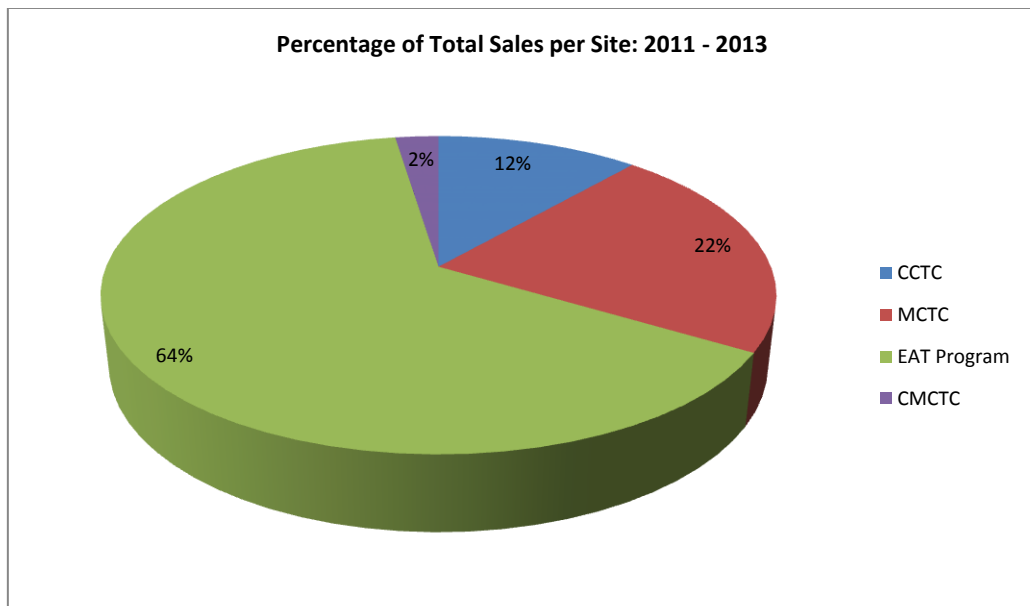
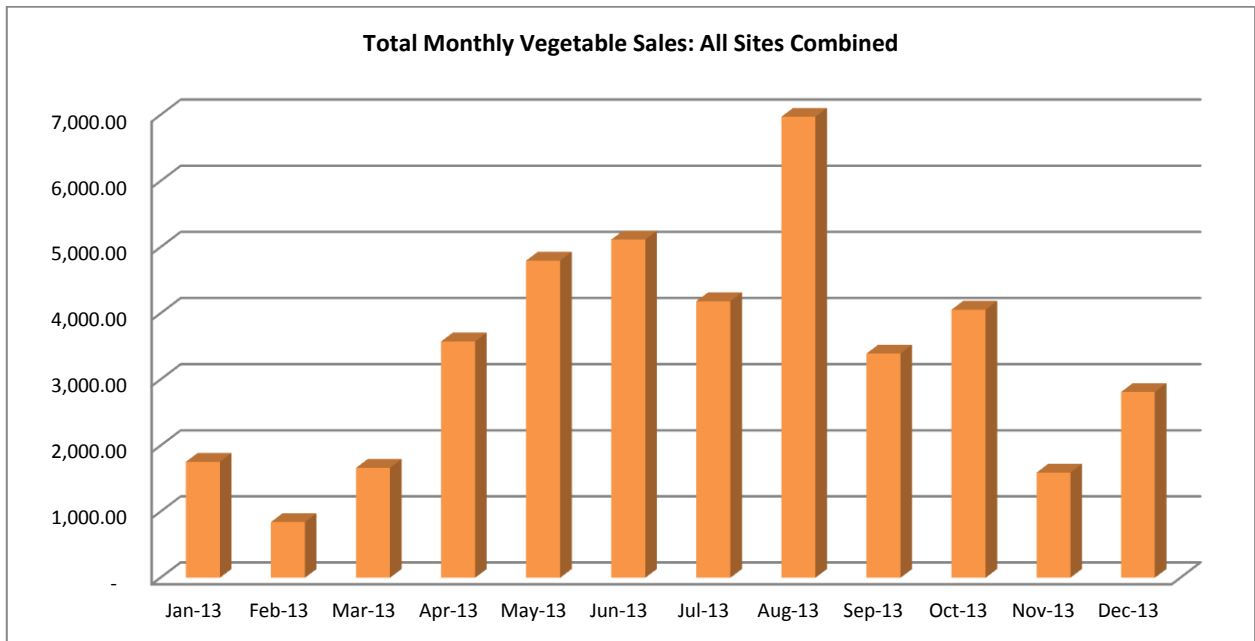
PPANT NUMBER	SURNAME	FIRST NAME	ATTENDED POULTRY	ATTENDED SOLAR	BASIC TRAINING	COMMENT
1	BANDA	EDITH	1			
2	BANDA	STERIA	1			
3	BWALYA	LOVENESS			1	
4	CHULU	BETTY	1			
5	DZIMBA	MABEKA	1	1		
6	MUKONDE	ENES			1	
7	MWANZA	LUTE	1			
8	MWANZA	TYSON	1	1		
9	NGOMA	SUZAN		1		
10	NG'ONA	LYSON	1			
11	NGULUWE	ESNAT			1	
12	PALANGA	JOSEPH	1			
13	PHIRI	WINNET		1		
14	ZULU	BESTRE		1		
15	ZULU	ESTER		1		
16	ZULU	JANE 2			1	
17	BANDA	ELIZABETH		1		
18	BANDA	JAMES		1		
19	CHILONGOLA	MARY			1	
20	IKWENDA	EMMA		1		
21	MBEWE	ELINA			1	
22	NGOMA	JOHN		1		
23	NKOMA	AGNESS		1		
24	PHIRI	SUSANNA			1	
25	ZULU	DAISY			1	
26	ZULU	ESTER NKHOMA		1		
27	BANDA	ELIZABETH 2			1	
28	BANDA	ZIYELESA			1	
29	BWALYA	FREDERIK		1		
30	CHURU	AGNES		1		
31	KAKUMBI	ROMA		1		
32	MBOA	BRENDA		1		
33	NGOMA	MARGARET		1		
34	NGOMA	PAUL			1	
35	NKHOMA	ROGERS	1			
36	ZULU	ALICK			1	

37	BANDA	DORIS	1			
38	BANDA	GRACE 2			1	
39	CHIKWALE	HELEN	1			
40	CHINDAMBO	SILICK			1	
41	MASUMBA	ANNIE	1			
42	MISI	MILIKA			1	
43	MUSOPELA	LILIAN			1	
44	PALANGA	SARAH	1			
45	ZULU	FRIDAY	1			
46	ZULU	MILDRED	1			
47	CHULU	AGNESS		1		
48	JOWA	NERIA			1	
49	MWALE	ROSEMARY		1		
50	MWALE	TILAPENJI			1	
51	NGOMA	FALES		1		
52	NJOBVU	VAINES			1	
53	SAKALA	GERTRUDE		1		
54	SAKALA	WELLINGTON		1		
55	SAUTI	MARGARET			1	
56	ZULU	JAFET		1		
57	BANDA	JOSTINA			1	
58	CHUNGU	EDWARD			1	
59	MBEWE	RACHEL		1		
60	MWANZA	ELIDA		1		
61	MWANZA	MARY		1		
62	NGASALA	STEVEN		1		
63	NG'ONA	VICTORIA			1	
64	PHIRI	EVELESI		1		
65	SAKALA	MARIA			1	
66	ZULU	VIOLET		1		
67	BANDA	DORCASE		1		
68	BANDA	LOYCE		1		
69	MWANZA	VIOLET		1		
70	NJOBVU	ANNIE		1		
71	PHIRI	RUTH		1		
72	ZIMBA	DAISE		1		
73	CHONGWE	JOYCE	1			
74	KAKUMBI	GRITON	1			
75	MAJOBABA	ENILESS	1			
76	NKOMA	JESSELIN	1			
77	PHIRI	FEBBI	1			
78	BANDA	WINNET				
79	KANGWA	ALBINA C				
80	NYIRENDA	TIWINE				
81	PHIRI	ESTER				
82	SAKALA	EDINA				
83	TEMBO	CHRISTINE				

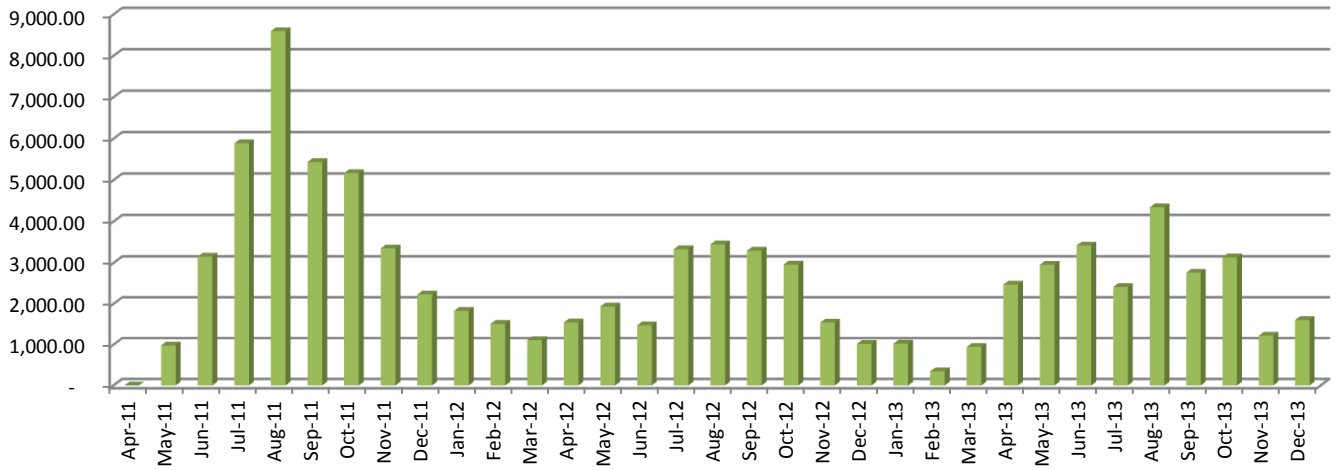
84	BANDA	RUTH	1			
85	BANDA	VIOLET	1			
86	MKHANYA	CHIEF	1			
87	MWALE	EVELIN	1			
88	MWALE	JOSEPH	1			
89	SAKALA	MISOZI	1			
90	KANDANGA	EVELINE		1		
91	MBEWE	BANDAWE		1		
92	NGOMA	ELIZABETH		1		
93	PHIRI	BESINAT		1		
94	ZULU	GERTRUDE		1		
95	ZULU	JANE		1		
96	BANDA	MARY		1		
97	BANDA	THRESSA		1		
98	NDOGOMA	KAMWE		1		
99	NKHOMA	SAMSON		1		
100	NTUTUMA	JOSTINA		1		
101	PHIRI	ESTER S		1		
102	BANDA	MARTHA		1		
103	CHOLA	SAULOS		1		
104	JERE	MARY		1		
105	MBEWE	VICTORIA		1		
106	MWANZA	INESS		1		
107	NYENDWA	SINE		1		
108	BANDA	EVELINE		1		
109	BANDA	GRACE		1		
110	BANDA	MIRIAM		1		
111	CHAKWANA	JACKSON		1		
112	NKOMA	CATHERINE		1		
113	ZULU	TYRON	1	1		
114	MPHASI	JOYCE		1		
115	NJOBVU	MARGARET		1		
116	NJOBVU	MARTHA		1		
117	NYENDO	MIRIAM		1		
118	PHIRI	ESNAT		1		
119	ZULU	FELISITUS		1		
120	CATHRINE	BANDA	1			
121	JERE	LEAH		1		
122	JOSEPHINE	CHELAMAUMBA		1		
123	MBEWE	LENI		1		
124	NGOMA	ELIZA		1		
125	SAKALA	BETINA	1			
126	ZULU	BEAUTY		1		
127	ZULU	DINAH		1		
128	CHAPUMA	CHIRWA			1	
129	SUWILANJI	MUTAMBO			1	
130	TEMBO	LUKA			1	

131	PHIRI	MISOZI			1	
132	MPHANDE	MARY			1	

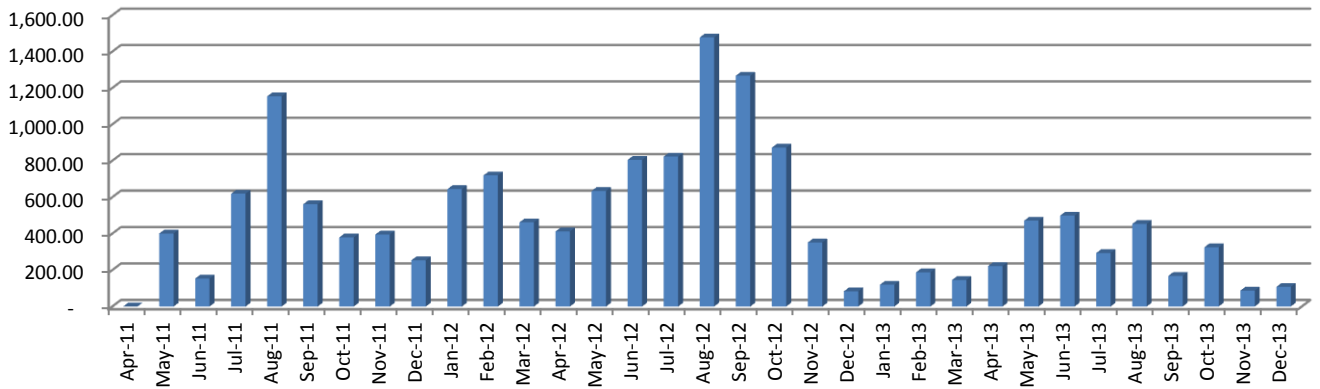
Appendix III – 2013 Zambian vegetable sales



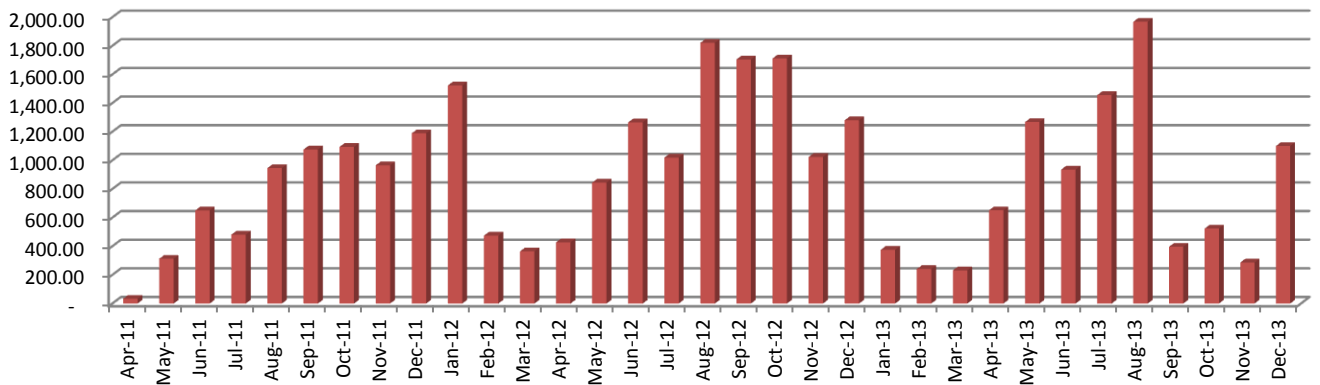
Eco Africa Training Program Participants: Monthly Vegetable Sales: 2011 - 2013



Chiwawatala Conservation Training Centre: Monthly Vegetable Sales: 2011 - 2013



Mwaiseni Conservation Training Centre: Monthly Vegetable Sales: 2011 - 2013



Chief Mkhanya Conservation Training Centre: Monthly Vegetable Sales: 2011 - 2013

