

DATE: 19TH-20TH SEPTEMBER 2020.

A TWO DAY FIELD TRIP AT BIRIM SOUTH DISTRICT IN THE EASTERN REGION, GHANA.

Introduction:

The concept of Innovative Volunteerism stems from the passion to harness the collective human capital of an individual, a country or a continent triggered by purpose-driven actions as the premium to build mutually beneficial and complementary partnerships with the end goal of closing gaps along the agro-value chain by sustainably industrializing it using clean energy (Munang, R., 2018).

Inherent in this model is the need for communal spirit and teamwork. In Ghana, the EBapreneur Solutions Ghana leads the Innovative Volunteerism under broader Ecosystem Based Adaptation for Food Security Assembly (EBAFOSA) initiative.

A volunteer of EBapreneur Solutions Ghana undertook a two-day community reconnaissance at Birim South District in the Eastern region between 19th and 20th September, 2020. The meeting sought to undertake a needs assessment to identify proposed communities suitability as beneficiaries of the EBAFOSA Innovative volunteerism initiative.

Community members organized durbar sessions in each of the communities visited.

In attendance, included: Mr. Isaac Y. Barnes, the volunteer, Mr. Nana Turkson and Mr. Rafiu Kipo the Planning and HR officers at Birim South District Assembly respectively. In addition, some dignitaries present included the Assembly members of each community, [the elected local government representative], chief farmers and the chief of Akotekrom [highest traditional leader].

Study area

The team visited four communities namely: Abadjan, Adiembra, Adinkrom and Akotekrom against the six communities initially identified.

The result of a heavy rainfall on Saturday, 19th September 2020 informed the decision to settle on these four communities. The rainfall situation made roads to the other communities inaccessible.

Community Entry engagement/ Community demographics

In all the communities visited, we adopted a gender inclusive approach to ensure that the views of men and women are well captured. The table I shows some community members present.

Table I: Participants in the three communities visited

| No. Community | Sex | | | | | | |
|---------------|------------------------|--------|------------|-----|----|--|--|
| | Male Percentage (%) | Female | Percentage | | | | |
| | | (%) | | (%) | | | |
| I. Abadjan | 19 | 68 | 9 | 32 | 28 | | |
| 2. Adiembra | 13 | 65 | 7 | 35 | 20 | | |

| 3. Akotekrom | 14 | 66 | 7 | 33 | 21 |
|----------------|-----|----|---|----|----|
| 4 Adinkrom | 16 | 73 | 6 | 27 | 22 |
| C Et L L L /0/ | 20) | | | | |

Source: Field data (2020)

The team adopted an interactive dialogue to understand the concerns facing farmers. As such, the team identified farmers by unique codes to capture their farm data. The information captured included: the types of crops cultivated and the acreage farmed. In addition, estimates in both monetary value and volumes cultivated (kg) were determined to assess the post-harvest losses. Farmers subsequently identified some challenges they face in their daily operations and proposed solutions. The Table 2, 3, 4 and 5 in Appendix I provides detailed information on communities data gathered and the estimated post-harvest losses.

Community Challenges

All the communities visited had unique challenges. This paper rather focused on the crosscutting themes identified from each community. This included but not limited to poor storage facilities, lack of ready market and unpredictability of rainfall pattern.

• Poor storage facilities.

Among the top challenges identified in all the communities are the lack of efficient drying and poor storage facilities. During bumper harvest, the lack of an efficient drying and storage facilities forces farmers to sell their produce at very cheap prices. The reason being, most farm goods perish within short lifespan without proper preservation: drying and storage facility.

However, after a month or two, prices of these same goods rises during the lean season. Farmers are unable to take advantage of the higher prices because, farmers either are out of stock of their farm produce or are recording high post-harvest losses on stored farm goods.

A farmer lamented and shared his ordeal when asked why farmers sell their goods at cheap prices during the bumper harvest. He stated, "during the bumper harvest period, there are excess goods such as maize, cassava, or plantain in the market. The situation forces us [farmers] to reduce our prices if we [farmers] want customers to buy our produce quickly. Just within two or three month after, these farm produce [maize, cassava, plantain etc] are in short supply [describing the state of the lean season]. The prices begin to rise. A bag of maize sold at GH¢70 during the bumper harvest can be sold at GH¢120 [\$1=gh¢5.8]. The challenge is, the risk to wait patiently until this time are very high. All your maize gains can spoil. I can show you mine. I lost everything. Waiting to take advantage during the lean season is like gambling. You either sell quickly and get money to plant again or wait and get nothing at all." The current situation results from the drying and storage methods being adopted.

Communities members shared series of personal accounts at all visited sites. It is risker and catastrophic to desire to wait beyond the bumper harvest sales. The Figure 5 shows the drying methods adopted in some communities visited.





Figure 2: Different local drying schemes



In addition, the means of drying these tuber crops and cereals exposes these foodstuffs to unwholesome conditions. Foodstuffs dried are done in the open and lacks the proper protection. The condition causes a potential threat to human health to end users.

It was also evident that foodstuffs takes relative longer to dry. The unpredictability in the weather patterns further increases the post-harvest losses. The interaction with the communities therefore highlighted the urgent need to support these communities with an efficient and effective means to dry their farm produce. Such an intervention will prolong the shelve life of farm produce, reduce post-harvest losses and improve rural farmers financial conditions.

• Lack of ready market and unpredictability of climate change

Farmers within the communities visited also face the challenge of ready market for some of their farm produce such as cassava. The lack of ready market and subsequent high post-harvest losses disincentivized farmers to cultivate such root crops on large scale. To this end, an appeal to support farmers with ready market will boost their capacity to cultivate such crops on large scale.

Firewood remain as the predominant source of fuel in all communities visited. This implied communities' excessive demand for tree logging. Communities were therefore educated on the current climatic changes and the role of trees. Communities were admonished to reduce their dependence on tree.

The alternative approach introduced to the community was the briquette. Understanding the direct impact of climate change on their everyday lives, community members agreed to support in any means to make the project a success.

Discussing the Agro-value chain actors

All the communities visited had a cooperative body with well-structured leadership regulating members operation along the cocoa value chain. No cooperative body existed along other crop value chain such as maize and cassava. Communities proposed to form a new cooperative body for other farm produced value chain such in the groups between 12 and 15 or broaden the scope of existing formal cocoa cooperatives to focus on other farm produce. After deliberation, community members agreed to form new cooperatives with identified leaders to sphere head the implementation of this project. This was done to ensure regular financial contributions of community members are done in an organized, transparent and accountable manner. In all communities visited, the new cooperative are yet to be formed and their respective leaders yet to be elected.

Volunteering landscape for the installation of solar dryers

Community members present were adequately informed on the need to volunteer a land space for the installation of the solar dryers. All the communities pledged their commitment to volunteer adequate and suitable land space for the installation of the facility. At Adiembra and Abadjan, the communities needed to solicit the consent of the chief on the proposed land space identified. This is in line with community members observing customary practices. At Akotekrom, the chief was present at the meeting. He pledge his buy-in to dedicate any land for the intervention. In all the communities, community members were eager to know about the installation capacity of the solar dryers. The volunteer assured the community that the solar dryer capacity was based on standard that was large enough to meet their needs.

The communities agreed to contribute in either cash or kind (farm produce) to ensure the operational sustainability of the installed solar dryers.

Conclusion and recommendation

All communities visited recorded high post-harvest losses other than rice and cocoa. These high losses is attributed to the lack of efficient drying and storage facilities. The unpredictability in rainfall patterns further worsens the challenge. The situation poses a high vulnerability risk for rural farmers.

The intervention of solar dryers, therefore, will reduce post-harvest losses and create wealth for rural farmers. Subsequently, the end value of turning waste into briquette will also reduce rural communities' dependence on wood for domestic fuel.

The following recommendation are suggested for consideration:

- Secure buy-in of community members on value addition solutions with focus on communal spirit and team work.
- It was evident that farmers lacked adequate data collection tools to assist track their value chain investments. I therefore recommend farmers form a communal structured cooperative as the unit of accountability and traceability. The capacities of these cooperatives will subsequently be developed to keep basic records.
- Moving forward, the role of the chiefs must be limited to promoting the idea of communal spirit and team work to secure communities buy-in.
- This solar dryers can be used as a platform to help create a data portal to support farmers develop a structured data. To this end, I propose we build the capacity of people to support with data records of the quantities of farm produce brought to the facility.

Reference

Ghana Statisitcal Service (2014). 2010 Population and Housing Census. District Analytical report. Birim South District.

Munang, R., (2018). Making Africa Work Through the Power of Innovative Volunteerism. AuthorHouse

Appendix I

Table 2: Community data at Adiembra community.

| Con | nmunities | | | Acrea o Farmed | of Crops I | | | |
|-----|--------------------|-----------|-----------|--------------------------------|--------------------------|------------------------|---------------------------------------|---|
| No | Name | Contact | | Acrea of Crops Farmed | <u>BAGS</u> HARVESTED | <u>MARKET</u> VALUE | AMOUNT THAT GET LOST (KG) | <u>LOSE IN</u> <u>MONETARY</u> <u>VALUE</u> |
| I | Asare Kwakye | 242615010 | Maize | 2.5 | 10 | 500 | 2 | 100 |
| 2 | Peter Nuamah | 558780657 | Maize | 3 | 15 | 900 | 3 | 180 |
| | | | Cassava | I | 6 | 480 | 0 | |
| 3 | Gbese Emmanuel | 591411242 | Maize | 2 | 8 | 360 | 2 | 90 |
| | | | Cassava | 2 | 5 | 400 | I | 80 |
| 4 | Ayim Magret | 246859645 | Maize | I | 6 | 390 | I | 65 |
| | - | | Cassava | I | 4 | 320 | | 80 |
| 5 | Janet Asumaning | 556659168 | Maize | I | 5 | 275 | I | 55 |
| | | | Cassava | | 4 | 300 | | 75 |
| 6 | J.K Frimpong | 541463663 | Maize | 4 | 32 | 1760 | 4 | 220 |
| | | | Cassava | | 24 | 1920 | 3 | 240 |
| 7 | John Appianing | 540417262 | Maize | I | 3 | 165 | I | 55 |
| 8 | Yaw Konto | 551708138 | Maize | 3 | 16 | 960 | 4 | 240 |
| | | | Pepper | 0.5 | 3 | 120 | I | 40 |
| | | | Cassava | I | 5 | 400 | 1.5 | 120 |
| 9 | Joseph Mensah | 204319357 | Maize | 2 | 10 | 550 | 2 | 110 |
| | | | Cassava | 2 | 5 | 400 | 2 | 160 |
| 10 | John Pinkra | 276177298 | Maize | 3 | 18 | 900 | 2 | 100 |
| | | | Pepper | | 3 | 120 | 0.5 | 20 |
| | | | Cumcumber | 2 | 7 | 595 | I | 85 |
| 11 | Abena Amoakoa | | Maize | 2 | 7 | 385 | I | 55 |
| | | | Cassava | 2 | 6 | 480 | I | 80 |
| | | | | | | | | |

| 12 | Augustina Kwafo | | Maize | 4.5 | 35 | 1925 | 3 | 165 |
|----|---------------------|-----------|-----------|-----|----|------|----|-----|
| | | | Pepper | 2 | 6 | 270 | 2 | 90 |
| | | | Cassava | 2 | 20 | 1600 | 2 | 160 |
| 13 | Comfort Amoako | 549895715 | Maize | 2 | 15 | 825 | 2 | 110 |
| | | | Cassava | I | 10 | 800 | 3 | 240 |
| 14 | Yaa Nuamah | 547477478 | Maize | 1.5 | 10 | 550 | 2 | 110 |
| | | | Cassava | l.5 | 9 | 720 | 2 | 160 |
| 15 | Faustina Asiedua | 242983611 | Maize | 2 | 16 | 880 | 2 | 110 |
| | | | Cassava | 2 | 12 | 960 | 4 | 320 |
| 16 | Thomas Boakye | 247848903 | Maize | 2 | 12 | 660 | 2 | 110 |
| | - | | Cassava | 1 | 7 | 560 | I | 80 |
| 17 | Akwetey Joseph | 546306052 | Maize | 3 | 15 | 825 | 4 | 220 |
| 18 | Sampson Ofeh | 545104893 | Maize | 1.5 | 8 | 440 | 2 | 110 |
| | | | Cassava | 1.5 | 6 | 480 | 2 | 160 |
| 19 | Ebenezer Gysei | 554358961 | Maize | 3.5 | 27 | 1620 | 4 | 240 |
| | | | Cassava | 2 | 12 | 960 | 5 | 400 |
| | | | Cumcumber | 2 | 19 | 1615 | 3 | 255 |
| 20 | George Ofosu | 246257293 | Maize | 5 | 37 | 2035 | 13 | 715 |
| | | | Cumcumber | 3 | 21 | 1785 | 4 | 340 |

Table 3: Community Data at Abadjan

| Communities | | | Acrea of Crops Farmed | | | | | | | | |
|-------------|-----------|---------------------|-----------------------|-----|--------------------------|------------------------|---|---|--|--|--|
| No | Contact | Name | | | <u>BAGS</u> HARVESTED | <u>MARKET</u> VALUE | <u>AMOUNT</u> <u>THAT GET</u> LOST (KG) | <u>LOSE IN</u> MONETARY VALUE(GHc | | | |
| I | | Yaa Amoawa | Rice | 3 | 37 | 14800 | 10 | 4000 | | | |
| | | | Cassave | I | 9 | 720 | 4 | 320 | | | |
| 2 | 55883596 | Akua Ackomaa | Maize | I | 8 | 560 | 3 | 210 | | | |
| | | | Cassava | 0.5 | 6 | 480 | 3 | 240 | | | |
| 3 | | Comfort Donkoh | Maize | I | 7 | 490 | 2 | 140 | | | |
| | | | Cassava | 0.5 | 8 | 640 | 2 | 160 | | | |
| 4 | | Kpotoh Elizabeth | Maize | 2 | 10 | 700 | 3 | 210 | | | |
| | | | Rice | 2 | 10 | 4000 | 4 | 1600 | | | |
| | | | Cassava | I | 10 | 800 | 3 | 240 | | | |
| 5 | 592815191 | Martha Quaisoa | Maize | I | 8 | 560 | 2 | 140 | | | |
| | | | Rice | I | 17 | 6800 | 7 | 2800 | | | |
| | | | Cassava | I | 7 | 560 | 3 | 240 | | | |
| 6 | 245621823 | Edward Nikoi | Maize | 4 | 25 | 1750 | 2 | 140 | | | |
| | | | Cassava | 4 | 30 | 2400 | 15 | 1200 | | | |
| 7 | 244902231 | Joseph Akyemfo | Maize | 2 | 8 | 560 | 2 | 140 | | | |
| 8 | 248082605 | Victoria Ayegyi | Maize | I | 8 | 560 | 3 | 210 | | | |
| | | , 0, | Beans | 2 | 16 | 1040 | 3 | 195 | | | |
| | | | Cassava | | 12 | 960 | 5 | 400 | | | |
| | | | Rice | 2 | 20 | 8000 | 4 | 1600 | | | |
| 9 | | Kwame Donkoh | Maize | 2 | 20 | 1400 | I | 70 | | | |
| | | | Cassava | 1 | 30 | 2400 | 15 | 1200 | | | |
| 10 | 549653683 | Odoom Daniel | Maize | 4 | 17 | 1190 | 10 | 700 | | | |
| 11 | 541132941 | Aluka Nteh | Maize | 2 | 20 | 1400 | 3 | 210 | | | |
| | | | Cassava | 4 | 15 | 1200 | 4 | 320 | | | |
| 12 | | Samuel Agya | Maize | I | 8 | 560 | 2 | 160 | | | |

| | | | Cassava | 0.4 | 6 | 480 | 3 | 240 |
|----|------------|--------------------|---------|-----|----|--------|-----|------|
| 13 | 242992235 | Kwame Appiah | Maize | 2 | 15 | 1050 | 2 | 140 |
| | | | Rice | I | 20 | 8000 | 4 | 480 |
| | | | Cassava | 2 | 15 | 1200 | 2 | 160 |
| 14 | 55794753 | Ekua Hawa | Maize | 0.5 | 4 | 280 | I | 70 |
| | | | Rice | 2 | 10 | 4000 | 2 | 240 |
| | | | Cassava | 0.5 | 5 | 400 | 2 | 160 |
| 15 | 553794726 | Kwadwo Dadze | Maize | I | 8 | 560 | I | 70 |
| | | | Rice | 2 | 22 | 8800 | 2 | 800 |
| 16 | 591411435 | Mercy Kumi | Maize | I | 15 | 1050 | 2 | 140 |
| | | | Rice | 2 | 25 | 10,000 | 3 | 1200 |
| | | | Cassava | I | 12 | 960 | 2 | 160 |
| 17 | 542898236 | Adwoa Foriwaa | Rice | 1.5 | 16 | 6400 | 5 | 2000 |
| 18 | 543123700 | Kpoto Kwasi | Maize | I | 15 | 1050 | 2 | 140 |
| | | | Cassava | I | 15 | 1200 | 3 | 240 |
| 19 | 555488184 | Kwasi Mark | Maize | 2 | 18 | 1260 | 2 | 140 |
| | | | Rice | 2 | 30 | 12000 | 3 | 1200 |
| | | | Beans | I | 3 | 195 | 0.5 | 32.5 |
| | | | Cassava | I | 15 | 1200 | l | 80 |
| 20 | 55228577 | Ebenzer Oppong | Maize | 3 | 35 | 2450 | 3 | 210 |
| | | | Cassava | I | 10 | 800 | 2 | 160 |
| 23 | 549522068 | rose Ackon | Rice | I | 12 | 4800 | 7 | 2800 |
| 24 | 592858347 | Samuel Appiah | Maize | 3 | 15 | 1050 | 5 | 350 |
| 25 | 553794726 | Kojo Dadzie | Maize | 4 | 16 | 1120 | 4 | 280 |
| 26 | 558292644 | Francis Ayegyi | Maize | 2 | 9 | 630 | 2 | 140 |
| 27 | 558869867 | Kwabena Akyemfo | Maize | 2 | 8 | 560 | I | 70 |
| 28 | 0545294573 | Belinda Nyarko | Rice | I | 8 | 3200 | 2 | 800 |

Table 4: Community data at Akortiekrom

| Con | nmunities | | Acrea of Crops Farmed | | | | | | | | |
|-----|---------------------------|------------|-----------------------|-------|--------------------------|-----------------|---------------------------------------|--|--|--|--|
| No | Name | Contact | | Maize | <u>BAGS</u> HARVESTED | MARKET VALUE | AMOUNT THAT GET LOST (KG) | <u>LOSE IN</u> <u>MONETARY</u> <u>VALUE(GHc)</u> | | | |
| I | Samuel Owusu | 0248278648 | Maize | Ι | 29 | 1450 | 4 | 200 | | | |
| | | | Cassava | | 20 | 1600 | 6 | 480 | | | |
| 2 | Samuel Kwadwo Owusu | | Maize | 6 | 40 | 2800 | 15 | 1050 | | | |
| | | | Cassava | | 30 | 2400 | 15 | 1200 | | | |
| 3 | Tetteh Isaac | | Maize | 2 | 10 | 700 | 7 | 490 | | | |
| 4 | Addae James | | Cassava | I | 5 | 400 | 0.5 | 40 | | | |
| 5 | Nana Agyiri Akoto | | Maize | 5 | 30 | 2100 | 10 | 700 | | | |
| | | | Cassava | 2 | 9 | 720 | 2 | 160 | | | |
| 6 | Hon. Andrews Opoku | | Maize | 3 | 78 | 3900 | 40 | 2000 | | | |
| | • | | Cassava | | 12 | 960 | 6 | 480 | | | |
| 7 | Thomas Kofi Larbi | 0552652612 | Maize | 2 | 34 | 1700 | 12 | 600 | | | |
| | | | Cassava | I | 12 | 960 | 6 | 480 | | | |
| 8 | Mary Akuffo Asor | | Maize | I | 6 | 420 | 3 | 210 | | | |
| | | | Cassava | 0.5 | 4 | 320 | 2 | 160 | | | |
| 9 | lsaac Nyarko | | Maize | 2 | 10 | 700 | 4 | 280 | | | |
| | | | Cassava | Ι | 6 | 480 | 2 | 160 | | | |
| 10 | Twum Mark | | Maize | 4 | 22 | 1540 | 4 | 280 | | | |
| | | | Cassava | 2 | 40 | 3200 | 20 | 1600 | | | |
| 11 | Solomon Eduffo | | Maize | 3 | 15 | 1050 | 5 | 350 | | | |
| | | | Cassava | | 5 | 400 | 2 | 160 | | | |

| 12 | Beatrice Agoba | | Maize | I | 7 | 490 | 0.5 | 35 |
|----|------------------------|------------|---------|---|----|------|-----|-----|
| | | | Cassava | | 15 | 1200 | 5 | 400 |
| 13 | Kwaku Gattah | | Cassava | I | 7 | 560 | | |
| 4 | Yeboah Sampson | 0246544504 | Maize | 2 | 47 | 2350 | 6 | 300 |
| | | | Cassava | 3 | 8 | 640 | 4 | 320 |
| 15 | Effah Marfo Ayom | | Maize | 2 | 3 | 210 | I | 70 |
| | | | Cassava | 2 | 5 | 400 | I | 80 |
| 17 | Rose Tetteh | 0248278648 | Maize | I | 25 | 1250 | 15 | 750 |
| 17 | Kwaku Larbi | 0240388913 | Maize | 2 | 35 | 1750 | 4 | 200 |
| 18 | Theresa Appiah | | Cassava | 2 | 10 | 800 | 4 | 320 |
| 19 | Stella Larbi | | Maize | 2 | 10 | 700 | 5 | 350 |
| | | | Cassava | 2 | 4 | 320 | | 80 |
| 20 | Juliana Larbi | 0202827137 | MAIZE | I | 28 | 1400 | 85 | 85 |
| 21 | Patrick Ansah | 0246544504 | MAIZE | 2 | 47 | 2350 | 5.5 | 275 |

Table 5: Community Adinkrom

| Con | nmunities | | Acrea of | Crops I | Farmed | | | |
|-----|--------------------|-------------|----------|---------|-------------------|-----------------|---------------------------------------|--|
| No | Name | | | Maize | BAGS HARVESTED | MARKET VALUE | AMOUNT THAT GET LOST (KG) | <u>LOSE IN</u> <u>MONETARY</u> <u>VALUE(GHc)</u> |
| I | Felicia Adonu | | Maize | 2 | 15 | 750 | 2 | 100 |
| | | | Cassava | 2 | 15 | 1200 | 6 | 480 |
| 2 | Daniel Akwei | 556839240 | Maize | 3 | 20 | 1400 | 3 | 210 |
| | | | Cassava | 2 | 10 | 800 | 15 | 1200 |
| 3 | Alex Adonu | 0541791648 | Maize | 2 | 10 | 700 | 7 | 490 |
| | | | Cassava | 2 | 10 | 800 | 0.5 | 40 |
| 4 | Yaw Annan | 0593520513 | Maize | 2 | 12 | 840 | 2 | 140 |
| | | | Cassava | 2 | 9 | 720 | 2 | 160 |
| 5 | Kwadwo Ackoh | | Maize | 2 | 15 | 750 | 4 | 200 |
| | | | Cassava | 2 | 12 | 960 | 6 | 480 |
| 6 | Comfort Addo | 02488058052 | Maize | I | 5 | 250 | 0.5 | 25 |
| | | | Cassava | I | 7 | 560 | 6 | 480 |
| 7 | Kwasi Arthur | | Maize | 1.5 | 8 | 560 | 3 | 210 |
| | | | Cassava | 0.5 | 4 | 320 | 2 | 160 |
| 8 | Yaa Ajabeng | | Maize | 4 | 35 | 2450 | 4 | 280 |
| | | | Cassava | 4 | 18 | 1440 | 2 | 160 |
| 9 | Ama Oforiwaa | 054593007 | Maize | 2 | 22 | 1540 | 4 | 280 |
| | | | Cassava | 2 | 12 | 960 | 3 | 240 |
| 10 | Enernest Asiedu | 241105610 | Maize | 3 | 15 | 1050 | 5 | 350 |
| | | | Cassava | 2 | 10 | 800 | 2 | 160 |
| 11 | KOFI DAFATI | - | Maize | I | 18 | 900 | 8 | 100 |
| 12 | Eric Okyere | 0243831708 | Maize | 1.5 | 7 | 490 | 2 | 140 |
| | | | Cassava | 2 | 13 | 1040 | I | 80 |
| 13 | DANIEL AMO | | Maize | 2.5 | 17 | 1190 | 5 | 350 |

| 14 | John Mensah | 5411354641 | Maize | 2 | 3 | 210 | 1 | 70 |
|----|--------------------|------------|---------|-----|----|------|-----|-----|
| | | | Cassava | 2 | 5 | 400 | 1 | 80 |
| 15 | Adzege Godswins | 246312017 | Maize | I | 25 | 1250 | 15 | 750 |
| | | | Cassava | 0.5 | 3 | 150 | 0.5 | 25 |
| 16 | Patrick Miheso | 246850749 | Maize | 3 | 35 | 1750 | 5 | 200 |
| 17 | Kwasi Aboagye | | Maize | 2 | 25 | 1750 | 4 | 280 |
| 18 | Dora Edin | 558542253 | Maize | 3 | 28 | 1960 | 6 | 420 |
| | | | Cassava | 0.5 | 4 | 320 | 1 | 80 |
| 19 | Rebecca Amankwa | 591632283 | MAIZE | I | 28 | 1400 | 5 | 85 |
| 20 | Francis Odoi | | Maize | 2 | 47 | 2350 | 7 | 350 |
| 21 | John Mensah | 559384037 | Maize | 1.5 | 15 | 1200 | 2 | 160 |



A cross section of the community at Akotekrom



A cross section of communities at Adinkrom



A cross section of Abadjan community



A cross section of community participation at Abadjan



Figure: Corss section of Adiembra



Local enterprise (Maize milling machine)



Sample of drying maize method



Cross section of the community members at Adinkrom



Germiniating maize during indiginous drying and storage methods



Spoilt maize grains from local storage facilities