

# ***2013 AGRIC PROGRAMME REPORT***

## ***EXECUTIVE SUMMARY***

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The 2013 Agric programme was successful. The sector set a target of 1,211 acres and achieved 1,136 acres. Thus recording a shortfall of 75 acres. This was attributed to the unfavourable rainfall pattern which made it difficult for the cultivation of crops, particularly, minor season cropping. The yields of crops were also encouraging despite the unfavourable nature of the rains. For example, the yield of maize was 4,147 bags while that of oil palm was 111,810 kg. These yields were higher than those of last year. However, yields of vegetables, cassava and cocoa were below expectation. All the Agric stations performed creditably except Salaga and Wa which made losses.

In all, the Agric Sector invested an amount of GH¢255,545.20 in Agric production in 2013, and generated a revenue of GH¢481,930.24 and made a profit of GH¢226,385.04. the returns on investment (ROI) was 88.6% which was vey good.



# 2013 AGRIC PERFORMANCE REPORT

The 2013 Agric programme began much earlier than expected with the early rains. Some stations which started the farming season had to re-start due to the sudden stoppage of the rains. Fortunately, the rains also re-started and sustained the season. In the midst of the fluctuating rains, all but two/2 of the Agric stations performed creditably. Salaga and Wa performed poorly, thus making losses.

Table 1 below shows the summary of targets set and targets achieved for 2011, 2012 and 2013 production period for the various crops as well as the proposed targets for 2014. For years 2011, 2012 and 2013, the Agric Sector set out to cultivate 1,444 1,217.3 and 1,211 acres respectively with various crops.

**TABLE 1 : TARGET SET AND TARGET ACHIEVED FOR CROPS 2011 - 2012 - 2013 – 2014**

S/NO.	CROP TYPE	2011		2012		2013		2014	
		TARGET SET (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET SET (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET SET (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET SET (ACREAGE)	TARGET ACHIEVED (ACREAGE)
1	Crereals (Maize, Rice and Sorghum)	431	452	446.5	399.5	461	447	524.5	
2	Legumes (Groundnut and Cowpea)	46	49	46	36	30	34	56	
3	Plantation (Oil Palm, Cocoa, Cashew, Mango and Moringa)	530	536.3	559.3	504.3	565	551	604.3	
4	Root and Tuber (Yam and Cassava)	65	34.4	44	54.3	52	30	47	
5	Vegetables (Pepper, Okro, Tomatoes and Garden Egg)	55	65.5	92.5	60	74	45	62	
6	Woodlot (Teak and Acacia)	29	29	29	29	29	29	29	
<b>TOTAL</b>		<b>1,159</b>	<b>1,166.20</b>	<b>1,217.30</b>	<b>1,083.10</b>	<b>1,211</b>	<b>1,191</b>	<b>1,323</b>	

The targets achieved for the various crops were 1,139.3, 1,083 and 1,136 acres respectively for 2011, 2012 and 2013. It is observed that the targets set dwindled over

the years (2011-2013). However, the targets achieved dropped from 1,139.3 acres in 2011 to 1,083 acres in 2012, but picked up in 2013 to 1,136 acres largely due to an increase of 50 acres oil palm production.

Specifically, the targets for cereals, plantation crops, roots and tuber and vegetables were not achieved. This was attributed to the unfavorable rainfall pattern during the period. The target for legumes was however exceeded. This was due to the increase in the acreage of some of the stations to make up for the losses in maize. For example, Kenyasi could not cultivate the targeted 70 acres during the major season. They were only able to do 25 acres during the major season. However, the minor season rains were more favourable, hence, they cultivated 40 acres, thus giving them a total of 65 acres in all. Recording a shortfall of 5 acres.

Similarly, Awutu and Yeji experienced a severe weather pattern which made it difficult for production. This affected the yield of some of the crops.

**TABLE 2: TARGET SET AND TARGET ACHIEVED FOR LIVESTOCK 2011 - 2012 - 2013 – 2014**

S/NO.	LIVESTOCK	2011		2012		2013		2014	
		TARGET SET	TARGET ACHIEVED	TARGET SET	TARGET ACHIEVED	TARGET SET	TARGET ACHIEVED	TARGET SET	TARGET ACHIEVED
1	SHEEP	136	138	251	224	265	223	318	
2	CATTLE	31	33	36	30	36	28	31	
3	PIGS	439	449	489	406	510	345	440	
4	RABBITS	111	115	156	206	236	146	209	
5	GOATS	23	23	33	33	40	38	56	
6	GRASSCUTTER	127	117	202	90	130	72	98	
7	POULTRY	500	500	500	301	1,500	2,000	3,000	
	<b>TOTAL</b>	<b>1,367</b>	<b>1,375.00</b>	<b>1,667.00</b>	<b>1,290.00</b>	<b>2,717</b>	<b>2,852</b>	<b>4,152</b>	

For livestock, the targets set have been increasing over the years from 2011 to 2013 as total figures indicated in the table 2 as follows: 1,367, 1,667 and 2,717. This was

attributed mainly to poultry production targets. With the targets achieved, the total figure decreased in 2012 from 1,375 to 1,290 and increased to 2,852 in 2013.

For the individual livestock, it is worth noting that the targets set for sheep increased from 2011 to 2013. However, the targets achieved increased from 138 in 2011 to 224 in 2012 and decreased to 225 in 2013. Hence the target set for 2014 is 318. With cattle, the target set increased from 31 in 2011 to 36 in 2012 and 2013. The targets achieved reduced from 33 in 2011 to 30 in 2012 and reduced further to 28 in 2013. This was mainly due to calf mortality. With pigs, the targets set increased from 439 in 2011 to 489 and 510 respectively in 2012 and 2013. The target achieved reduced from 449 in 2011 to 406 and 345 respectively. This was due to vehicle break down at the producing stations making conveyance of spent malt and other feed items difficult. Hence with the prevailing conditions, the target set is 440.

With rabbit production, the target increased from 111 in 2011 to 156 and 236 respectively in 2012 and 2013. While the targets achieved increased from 115 in 2011 to 206 in 2012 but reduced to 146 in 2013. This is attributed to bunny mortality due to wind and cold. The target for 2014 is set at 209.

With goats, the targets increased from 23 in 2011 to 33 in 2012 and 40 in 2013. The targets achieved were 23 and 33 respectively for 2011 and 2012. It increased to 38 in 2013 but fell short of the target set by 2. This was due to lower births recorded over the period. However, the stations hope to perform better in 2014, hence, the target of 56.

With grasscutter, the production has been going down over the years. From the target achieved of 117 in 2011, it dropped to 90 in 2012 and further dropped to 72 in 2013. Grasscutters have the difficulty of being crossed. Added to that is their high propensity to give birth to males. Suffice it to say that the grasscutter production is maintained only for the fact that inmates could be trained, and also other stations could be roped-in to train more inmates.

With poultry, 500 broilers were produced in 2011 and repeated in 2012. In 2013, 2,000 broilers were produced. The target for 2014 is 3,000. The figure could be higher depending on the funding levels in the course of the year.

**REVENUE, EXPENDITURE AND PROFIT FOR 2011 AND 2012 PRODUCTION PERIOD AND  
PROPOSED EXPECTED REVENUE, EXPENDITURE AND PROFIT FOR 2013**

**Table 3**

2011			2012			2013			2014		
REVENUE GH¢	EXPENDITURE GH¢	PROFIT GH¢	REVENUE GH¢	EXPENDITURE GH¢	PROFIT GH¢	REVENUE GH¢	EXPENDITURE GH¢	PROFIT GH¢	EXPECTED REVENUE GH¢	EXPECTED EXPENDITURE GH¢	EXPECTED PROFIT GH¢
339,061.24	217,299.80	121,721.61	462,558.69	171,851.57	290,706.94	481,930.24	255,545.20	226,385.04			

**FINANCIAL ANALYSIS**

The expenditure of the Agric Sector over the period decreased from **GH¢217,299.80** in 2011 to **GH¢171,851.57** in 2012 and increased to **GH¢255,545.20** in 2013 as in Table 3. The decrease in expenditure in 2012 was mainly due to a reduction in expenditure on fertilizers as a result of the Services ability to access government subsidized fertilizer through the Ministry of Food and Agriculture (MOFA). Again there were no tractor repairs in 2012. In 2013, the expenditure went up due mainly to repairs of Service tractors which were broken down.

With regards to the revenue generated over the period, an amount of **GH¢339,061.24** was generated in 2011. The figure increased to **GH¢462,558.69** in 2012 and went further up to **GH¢481,930.24** in 2013. The increase over that of 2012 was marginal and below expectation. The Agric Sector expected a figure of **GH¢656,136.33**. The lower revenue generated in 2013 was due to lower yield particularly of maize and yam due to the unfavourable rainfall experienced in 2013. In 2012, the increase in revenue was 36.4% over that of 2011. In 2013, the percentage increase was 0.049% over that of 2012. This was largely due to low yields arising from poor rains experienced during the year.

Similarly, the profit of **GH¢121,721.61** made in 2011 was increased to **GH¢290,706.94** in 2012. The profit reduced to **GH¢226,385.04** in 2013. This situation is attributed to the same lower yields of crops particular maize produced in Awutu and Kpando.

The returns on investment (ROI) were 56 %, 169% and 88.6% for 2011, 2012 and 2013 respectively.

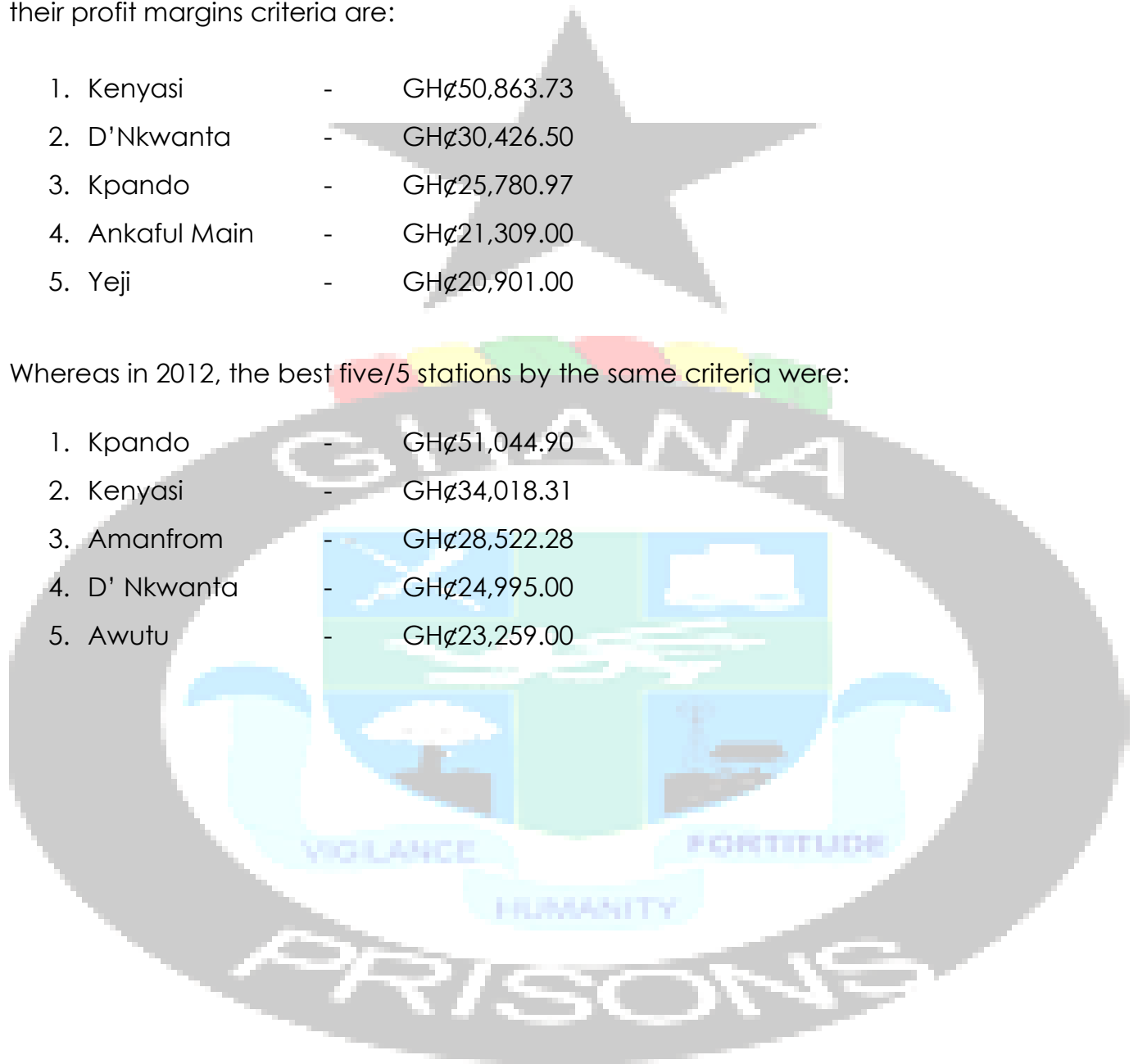
$$\text{ROI} = \frac{\text{Profit} \times 100}{\text{Investment}}$$

Generally, the 2013 Agric production was profitable. The best five/5 stations in terms of their profit margins criteria are:

1. Kenyasi - GH¢50,863.73
2. D'Nkwanta - GH¢30,426.50
3. Kpando - GH¢25,780.97
4. Ankaful Main - GH¢21,309.00
5. Yeji - GH¢20,901.00

Whereas in 2012, the best five/5 stations by the same criteria were:

1. Kpando - GH¢51,044.90
2. Kenyasi - GH¢34,018.31
3. Amanfrom - GH¢28,522.28
4. D' Nkwanta - GH¢24,995.00
5. Awutu - GH¢23,259.00



**AGRIC STATIONS PERFORMANCE IN TERMS OF  
THEIR PROFIT MARGIN**

<b>S/NO.</b>	<b>STATIONS</b>	<b>PROFIT (GH¢)</b>
1	KENYASI	50,863.73
2	D'NKWANTA	30,426.50
3	KPANDO	25,780.97
4	ANKAFUL MAIN	21,309.00
5	YEJI	20,901.00
6	NSAWAM MALE	20,731.18
7	AKUSE MALE	16,911.32
8	AHINSAN	13,302.80
9	OSAMKROM	13,111.80
10	ANKAFUL ANNEX	12,863.40
11	OBUASI	12,702.00
12	AMANFROM	12,411.80
13	HIAWA	12,123.90
14	JAMES CAMP	11,101.90
15	FORIFORI	9,550.10
16	AWUTU	9,020.00
17	TARKWA	3,058.00
18	NSAWAM FEMALE	539.44
19	SALAGA	648.2 (Loss)
20	WA	5439.2 (Loss)

## INDIVIDUAL STATION'S PERFORMANCE

### AHINSAN

The crops as shown below were cultivated by the station during 2013 production year:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE SOLD GH¢
1	Maize	20	200 bags	12,600.00
2	Oil Palm	25	17,643.6 kg	6,851.00
3	Pepper	-	185 kg	83.80
4	Cowpea	4	Not matured yet	-
<b>TOTAL</b>				<b>19,534.80</b>

The yield of maize was not bad, but could have been higher. It had ten/10 bags per acre. The yield of oil palm and pepper were equally good. The yield of cowpea would be determined after harvest.

Overall, the station made a profit of GH¢19,534.80. The station is going to increase its acreage of maize and oil palm.

### AMANFROM

The station produced the crops indicated below:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE
1	Maize	15	220 bags	10,710.00
2	Garden eggs	1.0	999 kg	399.60
3	Pepper	½	278 kg	518.80
4	Assorted Veg.	½	varied	600.00
5	Oil Palm	40	10,850 kg (Loose) 4,530 kg (Bunch)	9,765.00 815.40
<b>TOTAL</b>				<b>22,808.80</b>



### **REVENUE GENERATED FROM LIVESTOCK**

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>REVENUE (GH¢)</b>
1	Pigs	1,200.00
2	Sheep	240.00
<b>TOTAL</b>		<b>1,440.00</b>

The station performed excellently in terms of crops during the 2013 production year. It had 220 bags from 15 acres. This gave per acre yield of 14.7 bags per acre. The yield of vegetables was also quite good since the acreage was small. In the same vein, the yield of oil palm was also quite good.

The station generated a revenue of GH¢22,808.80. However, the revenue generated from the livestock was nothing to write home about. It generated a revenue of GH¢1,440.00. The station attributed the low production to the breakdown of the stations vehicles which were used to convey spent malt and other forms of feed for the pigs. The station generated a total revenue of GH¢27,398.80 including stock yet to be sold.

### **ANKAFUL ANNEX**

*The station during 2013 production year cultivated the following crops:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE SOLD GH¢</b>
1	Maize	10	170 bags	11,475.00
2	Garden Eggs	2	5,000 kg	4,000.00
3	Pepper	¼	119kg	190.00
<b>TOTAL</b>				<b>15,665.00</b>

The station performed excellently well against the background of the fluctuating rains experienced in 2013. The station got 170 bags from 10 acres. This gave 17 bags

as the yield per acre which is commendable. The yields of the vegetables were also not bad.

In all, the station generated GH¢15,605.40 and made a profit of GH¢12,863.40. It must be pointed out here that the station's expenditure was low, and this boosted their profit. The low expenditure arose from the absence of tractor repairs and its attendant fuel and lubricant costs.

## **ANKAFUL MAIN**

*The station cultivated the crops indicated below during 2013 production year:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>EXPECTED REVENUE UNSOLD (GH¢)</b>	<b>REVENUE SOLD GH¢</b>
1	Oil Palm	41	27,595 kg	-	8,541.00
2	Maize	12.0	152 bags	4,185.00	6,075.00
3	Garden eggs	2	3,420 kg	-	2,736.00
4	Pepper	1	60 kg	-	108.00
<b>TOTAL</b>				<b>4,185.00</b>	<b>17,460.00</b>

*The station also made some revenue from the sale of livestock shown below:*

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>QTY SOLD</b>	<b>REVENUE GH¢</b>
1	Sheep	6 rams	600.00
2	Cattle	4 bulls	2,444.00
<b>TOTAL</b>			<b>3,044.00</b>

The station cultivated 12 acres of maize and had a yield of 152 bags, thus making 12.7 bags per acre. The yield of oil palm was also encouraging. The yields of garden eggs and pepper were below expectation. The station made GH¢17,460.00 in addition to

GH¢4,185.00 worth of unsold stock of maize. The station also made a total of GH¢3,044.00 from the sale of six/6 rams and four/4 bulls.

In all, the station generated GH¢24,689.00 and made a profit of GH¢21,309.00. It was the four/4 best station for the year 2013.

## ***AKUSE MALE***

*The station during the 2013 production year cultivated rice:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE GH¢</b>
1	Rice	15	162 bags	17,820.00
2	Rice	10	Not harvested (100 bags estimated)	10,000.00
<b>TOTAL</b>				<b>27,820.00</b>

Akuse Male cultivated 25 acres of rice and got a yield 162 bags with 10 acres yet to be harvested. The yield of the unharvested field was estimated to be 100 bags. The station is expected to generate GH¢27,820.00 and a profit of GH¢16,911.32.

## ***AWUTU***

*The station cultivated the crops below:*

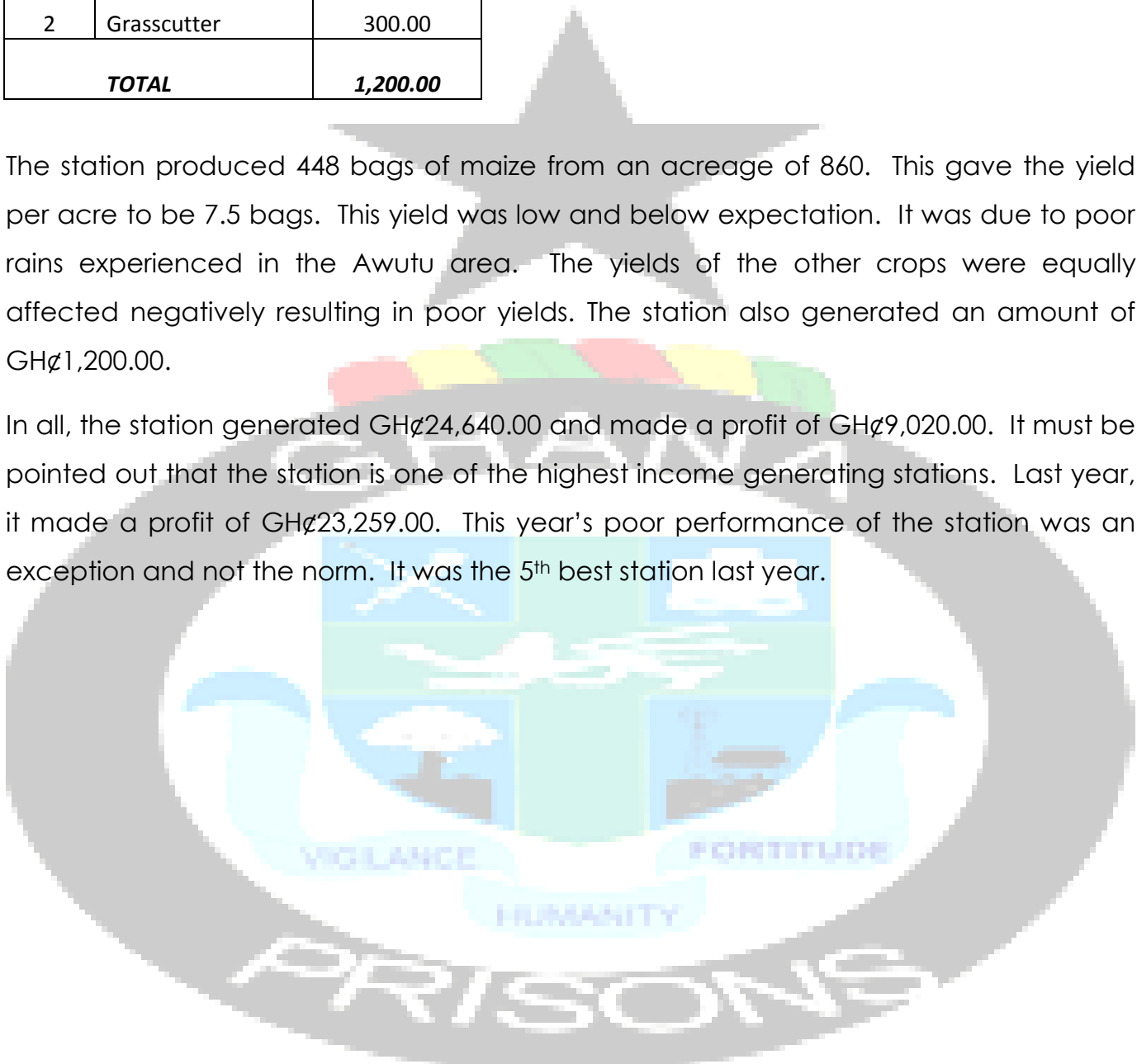
<b>S/NO.</b>	<b>CROPS</b>	<b>YIELD UNSOLD</b>	<b>EXPECTED REVENUE UNSOLD (GH¢)</b>	<b>ACREAGE</b>	<b>YIELD SOLD</b>	<b>REVENUE GH¢</b>
1	Maize	188 bags	14,100.00	60	260 bags	5,460.00
2	Cowpea	250 "	675.00	5	5 "	-
3	Tomatoes	-	-	1	380 kg	1,140.00
4	Pepper	158 kg (dried)	1,422.00	10	84 kg (Fresh) 23 kg (Dried)	336.00 207.00
5	Mango	-	-	8	-	100.00
<b>TOTAL</b>			<b>16,197.00</b>			<b>7,243.00</b>

**REVENUE FROM LIVESTOCK  
PRODUCTION**

<i>S/NO.</i>	<i>LIVESTOCK</i>	<i>REVENUE GH¢</i>
1	Sheep	900.00
2	Grasscutter	300.00
<b><i>TOTAL</i></b>		<b><i>1,200.00</i></b>

The station produced 448 bags of maize from an acreage of 860. This gave the yield per acre to be 7.5 bags. This yield was low and below expectation. It was due to poor rains experienced in the Awutu area. The yields of the other crops were equally affected negatively resulting in poor yields. The station also generated an amount of GH¢1,200.00.

In all, the station generated GH¢24,640.00 and made a profit of GH¢9,020.00. It must be pointed out that the station is one of the highest income generating stations. Last year, it made a profit of GH¢23,259.00. This year's poor performance of the station was an exception and not the norm. It was the 5<sup>th</sup> best station last year.



## D'NKWANTA

During the 2013 production year, the station produced the crops indicated below:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE SOLD GH¢
1	Maize	30	430 bags	26,230.00
2	Garden Egg	¼	281 kg	56.20
3	Beans	5	450 kg	1,215.00
4	Yam (White)	⅓	100 kg	81.00
5	Palm fruits	-	13,245 kg	3,973.50
6	Palm Oil	-	726 lit.	1,306.80
7	Over-aged Palm trees	-	340 Trees	4,080.00
<b>TOTAL</b>				<b>36,942.50</b>

The station cultivated 30 acres of maize and got 430 bags, thus making 14.3 bags per acre. The yield of oil palm and garden eggs were encouraging. However, the yield of cowpea was poor and attributed to failure of the rains especially during the minor season.

The station generated a revenue of GH¢36,942.50 and made a profit of GH¢30,426.50. It was the 2<sup>nd</sup> best station for the year 2013.

## **FORIFORI**

The station produced the crops indicated below:

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>EXPECTED REVENUE UNSOLD (GH¢)</b>	<b>REVENUE SOLD (GH¢)</b>
1	Maize	20	11,101.32	1,102.68
2	Pepper	1.0	295.20	-
3	Garden eggs	1	237.60	78.54
4	Cassava	2	207.60	66.80
5	Gari	-	-	931.50
6	Groundnut	-	687.96	-
<b>TOTAL</b>			<b>12,529.68</b>	<b>2,179.52</b>

### **REVENUE FROM LIVESTOCK PRODUCTION**

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>REVENUE (GH¢)</b>
1	Mutton (Sheep)	207.50
2	Sheep	2,150.00
<b>TOTAL</b>		<b>2,357.50</b>

The station cultivated 20 acres of maize and had 226 bags. This gave 11.3 bags as the yield per acre. This was much lower than expected. All the other crops performed poorly. However, the sheep production project performed well and generated GH¢2,375.00. In all, the station generated an amount of GH¢17,274.10 and made a profit of GH¢9,550.01.

Forifori needs an Officer-in-Charge who is committed to increasing the Agric production at the station.

## HIAWA

During the 2013 production year, the station cultivated the crops shown below:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE (UNSOLD) GH¢	REVENUE SOLD GH¢
1	Maize	15	231 bags	3,780.00	10,773.00
2	Palm fruit	18.3	3,152 kg	-	1,891.20
	<b>TOTAL</b>			<b>3,780.00</b>	<b>12,664.20</b>

The station cultivated 29 acres of maize and got a yield of 165 bags. This gave the per acre yield as 5.7 bags. The yield of oil palm was average, but cowpea also did poorly. This performance was poor. However, the station generated a revenue of GH¢15,428.90 and made a profit of GH¢12,123.90. The Agric officer and the Officer-in-Charge must wake up and live up to expectation.

## JAMES CAMP

The crops indicated below were cultivated by the station during the 2013 production year:

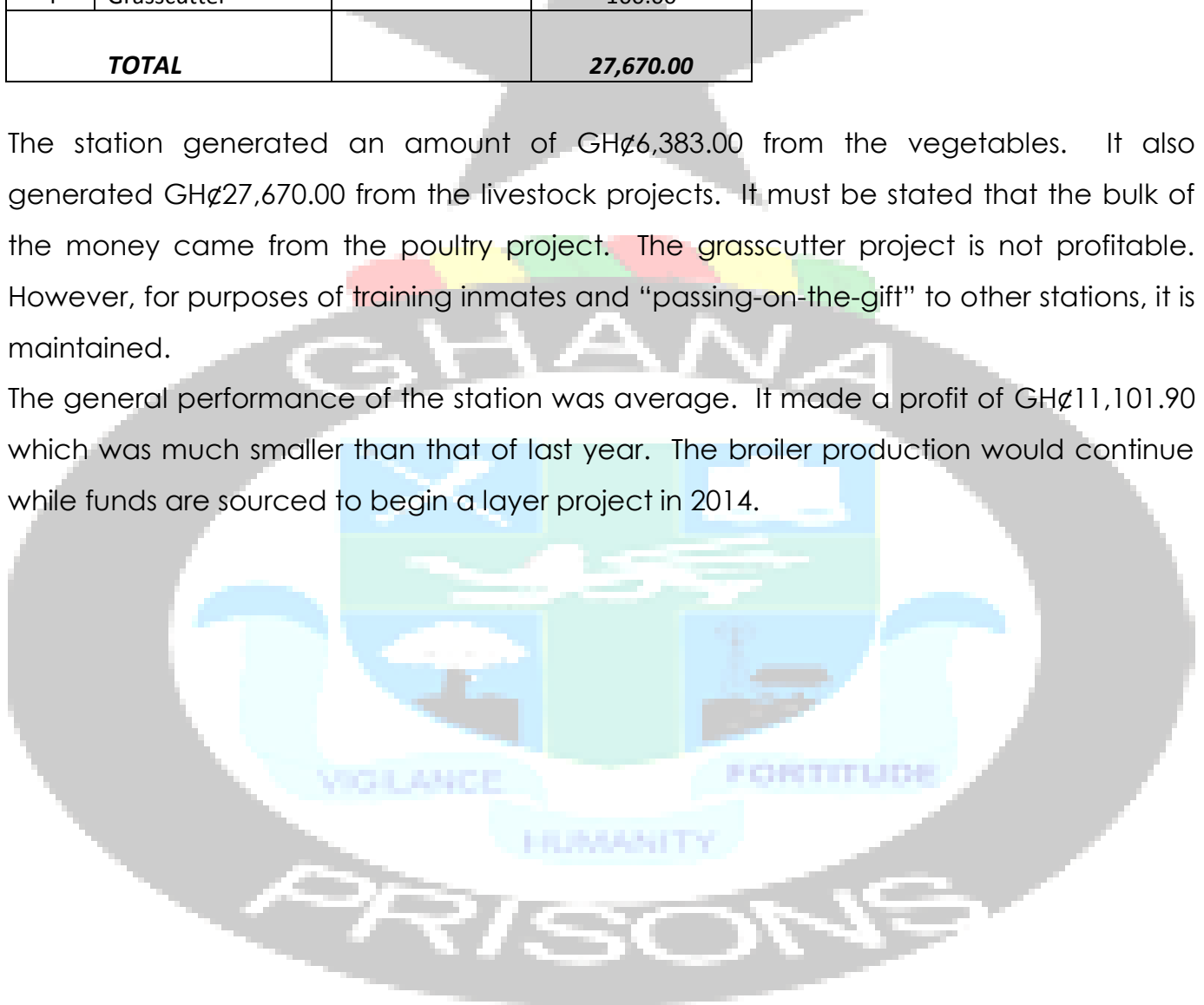
S/NO.	CROPS	ACREAGE	YIELD	REVENUE SOLD GH¢
1	Black Beauty	-	1,165 kg	2,481.00
2	Pepper	-	679 kg	2,696.20
3	Okro	-	-	551.00
4	Lettuce	-	-	228.00
5	Spring Onion	-	-	65.00
6	Carrot	-	-	223.00
7	Squash	-	-	44.00
8	Cucumber	-	-	95.00
	<b>TOTAL</b>			<b>6,383.20</b>

The station also made some revenue from the sale of livestock shown below:

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>QTY SOLD</b>	<b>REVENUE GH¢</b>
1	Rabbit	-	1,740.00
2	Pig	-	5,130.00
3	Poultry	-	20,700.00
4	Grasscutter	-	100.00
<b>TOTAL</b>			<b>27,670.00</b>

The station generated an amount of GH¢6,383.00 from the vegetables. It also generated GH¢27,670.00 from the livestock projects. It must be stated that the bulk of the money came from the poultry project. The grasscutter project is not profitable. However, for purposes of training inmates and "passing-on-the-gift" to other stations, it is maintained.

The general performance of the station was average. It made a profit of GH¢11,101.90 which was much smaller than that of last year. The broiler production would continue while funds are sourced to begin a layer project in 2014.





## KENYASI

The station cultivated the crops indicated below for 2013 farming year:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE (UNSOLD) GH¢	REVENUE SOLD GH¢
1	Maize	25 40	433 bags 500 bags	30,375.00	26,304.75 30,375.00
2	Cocoa	28	843 kg	-	2,859.47
3	Cassava	3	Not Matured	-	-
4	Pepper	3	118 kg (Fresh) 151 kg (Dried)	-	118.50 302.00
5	Garden Egg	1.5	70 kg	-	17.50
6	Tomatoes	0.5	140 kg	-	70.00
7	Oil Palm	46	12,520 Lit. (Palm oil) 7,260 kg (Palm fruit)		16,834.00 3,225.60
	<b>TOTAL</b>			<b>30,375.00</b>	<b>49,731.22</b>
<b>GRAND TOTAL</b>				<b>=</b>	<b>GH¢80,106.22</b>

The station cultivated 25 acres of maize in the major season and got a yield of 443 bags. It also cultivated minor season maize and estimated a yield of 500 bags. The yield of cocoa is not encouraging, but this was due to the age of the trees. However, the yield of oil palm is very good. The vegetables did not live up to expectation. In general, the station generated a revenue of GH¢80,106.22 including stock yet to be sold. It made a profit of GH¢50,863.73. This was much higher than that of last year which was GH¢34,018.31. The station increased its profit by 49.5% over that of last year.

The station was the best performing station for year 2013. This is a commendable performance especially so considering the vagaries of the weather.

## KPANDO

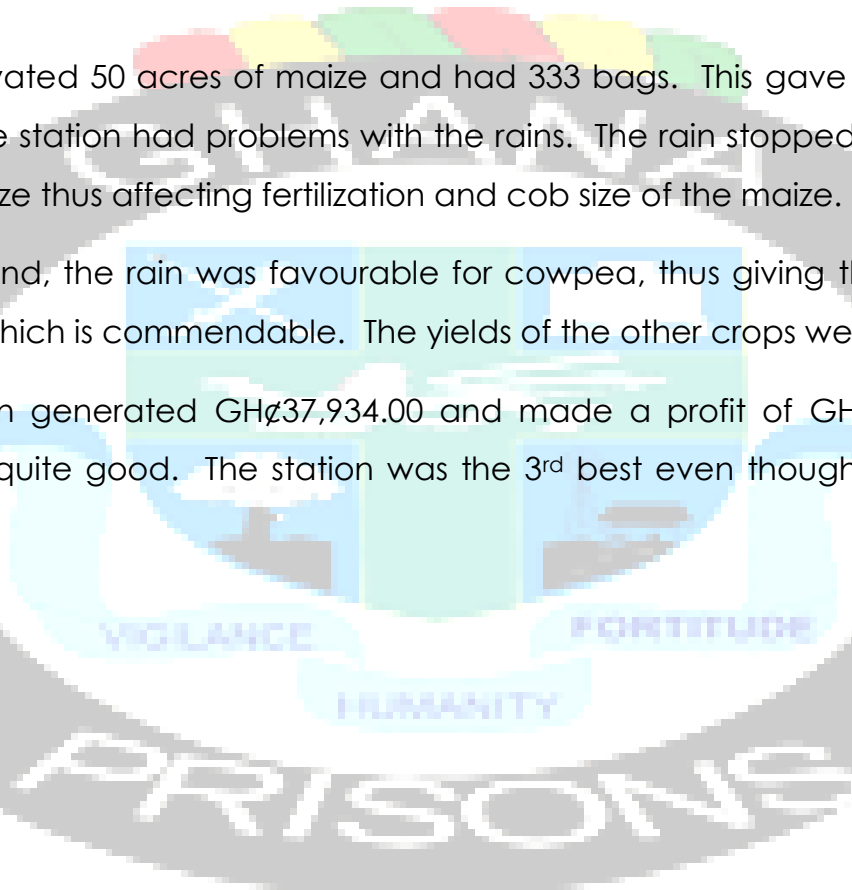
The station during 2013 production year cultivated the crops shown below:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE SOLD GH¢
1	Maize	-	333 bags	23,976.00
2	Cassava (Gari)	-	600 kg	1,188.00
3	Cowpea	-	2,500 kg	9,000.00
4	Pepper	-	150 kg	1,350.00
5	Garden eggs	-	1,225 kg	980.00
6	Rice	-	-	1,440.00
	<b>TOTAL</b>			<b>37,934.00</b>

The station cultivated 50 acres of maize and had 333 bags. This gave a yield per acre of 607 bags. The station had problems with the rains. The rain stopped at the tasselling stage of the maize thus affecting fertilization and cob size of the maize.

On the other hand, the rain was favourable for cowpea, thus giving them a yield of 5 bags per acre which is commendable. The yields of the other crops were not bad.

In all, the station generated GH¢37,934.00 and made a profit of GH¢25,780.97. This performance is quite good. The station was the 3<sup>rd</sup> best even though it was the 1<sup>st</sup> in 2012.



## NSAWAM MALE

The crops indicated below were cultivated by the station during 2013 production year:

S/NO.	CROPS	ACREAGE	YIELD	REVENUE SOLD GH¢
1	Beans	-	400 kg	972.00
2	Palm Fruits	30	14,610 kg	17,557.10
3	Black Beauty	1	1,944 kg	422.58
4	Pepper	1	830 kg	425.00
5	Maize	10	110 bags	5,940.00
	<b>TOTAL</b>			<b>25,316.68</b>

During the same production period, the station also generated revenue from the sale of the livestock shown below:

S/NO.	LIVESTOCK	QTY SOLD	REVENUE GH¢
1	Rabbit	2	60.00
2	Grasscutter	6	180.00
3	Broilers	730	18,760.00
	<b>TOTAL</b>		<b>19,000.00</b>

The station cultivated 10 acres of maize and got a yield of 110 bags, thus giving 11 bags as the yield per acre which is quite good. Similarly, the yield of oil palm which was 14,610 kg from 59 acres was also good, considering the fact that some of the trees are over-aged. In much the same way, the black beauty and pepper performed well.

The station generated a revenue of GH¢25,316.68 from the crop product. The station also undertook livestock production in poultry (broilers), rabbitary and grasscutter. The poultry did extremely well and generated a revenue of GH¢19,000.00. The rabbit and grasscutter project did not perform well.

In all, the station generated a total revenue of GH¢44,316.68 and made a profit of GH¢20,731.18.

## **NSAWAM FEMALE**

*The station cultivated the crops shown below during 2013 production period:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE SOLD GH¢</b>
1	Maize	2	17 bags	930.96
2	Garden Eggs	1	56 kg	18.48
	<b>TOTAL</b>			<b>949.44</b>

*At the same production period, the station generated revenue from sale of rabbits as shown below:*

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>QTY SOLD</b>	<b>REVENUE GH¢</b>
1	Rabbit	7	210.00
	<b>TOTAL</b>		<b>210.00</b>

The station cultivated 2 acres of maize and got a yield of 17 bags, thus making 8.5 bags as the yield per acres. This yield, though below expectation, was quite good. However, the yield of garden eggs was poor.

The stations rabbit production is below expectation. The station needs an Agric officer to provide technical advice to the Officer-in-Charge and officers in their Agric production.

The station notwithstanding their technical handicap, generated a revenue of GH¢1,159.44 and made profit of GH¢539.44.

## **OBUASI**

*During the 2013 production year, the station cultivated the crops shown below:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE (UNSOLD) GH¢</b>	<b>REVENUE SOLD GH¢</b>
1	Maize	15	231 bags	3,780.00	10,773.00
2	Palm fruit	18.3	3,152 kg	-	1,891.20
	<b>TOTAL</b>			<b>3,780.00</b>	<b>12,664.20</b>

The station cropped 15 acres of maize and got a yield of 231 bags thus, making a per acre yield of 15.4 bags. The yield of oil palm is equally good. This is a good performance. However, the station has vast acres of land and could expand the size of the farm.

The Officer-in-Charge should be committed to expanding the sizes of the farms and increasing their Agric production to generate more revenue. The station generated a total revenue of GH¢16,444.00 and made a profit of GH¢12,702.00.

## **OSAMKROM**

*The station cultivated the crops shown below for 2013 production year:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE SOLD GH¢</b>
1	Maize	-	260 bags	17,550.00
2	Beans	-	6 bags	360.00
3	Pepper	-	6 kg	144.00
4	Oil Palm	3	3,420 kg	1,090.40
	<b>TOTAL</b>			<b>19,144.40</b>

During the same period, the station made some revenue from the sale of pigs.

<b>S/NO.</b>	<b>LIVESTOCK</b>	<b>QTY SOLD</b>	<b>REVENUE GH¢</b>
1	Pigs	58	3,640.00
	<b>TOTAL</b>		<b>3,640.00</b>

The station cultivated 15 acres of maize and got a yield of 260 bags, thus making 17.3 bags per acre. This yield is highly commendable considering their previous performance. The yield of oil palm is equally good. On the other hand, the yields of cowpea (beans) and pepper were below expectation. The station however, generated a revenue of GH¢18,975.80 from crops and GH¢3,640.00 from livestock. Total revenue of GH¢22615.80 was generated with a profit of GH¢13,111.80.

## **SALAGA**

The station cultivated crops shown below during 2013 production year:

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE SOLD GH¢</b>
1	Yam	-	4,400 kg	3,520.00
2	Pepper	-	81 kg	226.80
	<b>TOTAL</b>			<b>3,746.80</b>

The station cultivated 10,000 mounds of yam and harvested 4,400kg. It also cropped pepper and got a yield of 81kg dried pepper. Whereas the yield of pepper is average, the yield of yam is abysmally poor. The station made a loss of GH¢648.20. The station's continued production needs to be given a second look

## TARKWA

*The station during the 2013 production year cultivated rice:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE GH¢</b>
1	Oil Palm (old)	21	5,350 kg	3,638.00
2	Oil Palm (new)	4	-	-
	<b>TOTAL</b>			<b>3,638.00</b>

Tarkwa maintained a total of 25 acres oil palm and got a yield of 5,350 kg. The yield is not bad considering the type of soil and the age of the trees.

## WA

*The station cultivated the underlisted crops during the 2013 production year:*

<b>S/NO.</b>	<b>CROPS</b>	<b>ACREAGE</b>	<b>YIELD</b>	<b>REVENUE SOLD GH¢</b>
1	Maize	44	230 bags	9,200.00
2	Garden eggs	4	954 kg	572.40
3	Pepper	4	32 kg	102.40
4	Okro	2	324 kg	259.20
	<b>TOTAL</b>			<b>10,134.00</b>

The station cultivated 44 acres of maize and got 230 bags, making 5.2 bags per acre. This performance is poor. The yields of all the other crops were equally poor.

Following their poor performance, the station made a loss of GH¢5,439.20, having invested an amount of GH¢15,573.60 and generated GH¢10,134.00. The stations continued production would have to be assessed thoroughly.

## YEJI

The station cultivated crops indicated below during the 2013 farming year:

S/NO.	CROPS	ACREAGE	YIELD	EXPECTED REVENUE UNSOLD (GH¢)	REVENUE SOLD GH¢
1	Maize	20	150 bags	6,222.00	2,928.00
2	Yam	10,000 mounds	8,000 kg	6,156.00	6,480.00
3	Egg Plant	½ acre	1,100 kg	-	242.00
4	Yam setts	2	3,000 setts	-	-
	<b>TOTAL</b>			<b>12,378.00</b>	<b>9,650.00</b>
<b>GRAND TOTAL</b>				<b>= GH¢22,028.00</b>	

The station cultivated 20 acres of maize and got a yield of 150 bags, thus giving 7.5 bags per acre. This yield is below expectation. The yields of yam and garden eggs are quite good. The station generated GH¢31,250.00 and made a profit of GH¢20,901.00. The station can do better.

## CONCLUSION

The general performance of the stations during the 2013 production year was very good. However, two/2 out of the twenty/20 stations made losses.

The five/5 top Agric stations in terms of profit were:

1. Kenyasi - GH¢50,863.73
2. D'Nkwanta - GH¢30,426.50
3. Kpando - GH¢25,780.97
4. Ankaful Main - GH¢21,309.00
5. Yeji - GH¢20,901.00

\* The stations have been ranked according to their profit margins as attached.



## CHALLENGES

The 2013 Agric production encountered challenges some of which have been outlined below:

- **Land litigation issues:** Due to litigations, the Service had to pay ground rent and other charges which increased the cost of production.
- **Erratic rainfall pattern:** The erratic rainfall pattern affected crop production seriously bringing about very low yield at some stations particularly Awutu and Kpando.
- **Breakdown of tractors:** Due to tractors breakdown, the Agric Unit had to spend a lot of money getting these tractors repaired, thus adding to the cost of production.
- **Shortage of technical experts example:**
  - Tractor operators
  - Tractor Mechanics
  - Power Tiller operators among others

Due to the shortage of technical experts, the Service had to spend money getting the tractors repaired and hiring power tiller operators to till the land at Akuse.

- **Lack of vehicles at some Agric stations:** This situation affected livestock production at some Agric stations including Amanfrom, James Camp and Osamkrom. This made conveyance of feed for the livestock very difficult.
- **Lack of vehicle at the Agric Unit:** This situation made co-ordination, monitoring and evaluation activities of the Unit very difficult.

## RECOMMENDATIONS

1. Officers-in-Charge of the various Agric stations must be made to treat the Prison farms with all the seriousness that the farms deserve.
2. Officers-in-Charge should seek approval from Headquarters before making additional purchases for Agric projects.
3. Some of the broken down tractors which were not repaired in 2013 should be repaired when funds are available. Also five/5 tractor operators, three/3 tractor mechanics and three/3 power tiller operators should be enlisted or engaged as civilian employees.
4. The Agric Unit intends to enter into partnership with private partners to expand and increase Agric production on the prison farm lands to reduce encroachments. However, the acquisition and ownership of prison lands should be regularized and documented.
5. Construction of a Camp Prison each at Nsawam, Kenyasi, D'Nkwanta, Yeji and Kokofu should be done to decongest the Central Prisons and to increase Agric production.
6. The Agric Unit should be allocated with a strong cross-country vehicle to enhance its co-ordinating, monitoring and evaluation responsibilities.