

# ***EXECUTIVE SUMMARY***

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The 2014 Agric programme of the Service was successfully carried out amidst weather uncertainties. A total of nineteen/19 stations undertook the programme with two/2 station, Salaga and Wa being left out for poor performance in previous years.

A total of 1,378.8 acres were cultivated with various crops such as cereals, legumes, plantation crops, tubers, vegetables and woodlot. Similarly, livestock such as pigs, poultry, cattle, sheep and goats, rabbits and grasscutters were produced.

The Agric Unit invested a total of ***GH¢280,133.2*** in Agric production and generated a revenue of ***GH¢735,694.49***, thus making a profit of ***GH¢455, 56.2***.

A comparative analysis indicates that the revenue generated increased from ***GH¢339,061.24*** in 2011 to ***GH¢735,694.49*** in 2014. Similarly, the profit also rose from ***GH¢121,721.6*** in 2011 to ***GH¢455,561.21*** in 2014. On the other hand, the expenditure dropped from ***GH¢217,299.80*** in 2011 to ***GH¢171,851.57*** in 2012. This was due to the collaboration between the Service and the Ministry of Food and Agriculture [MOFA] where fertilizers were supplied to the stations at Government subsidized prices. Thus reducing the cost of fertilizers.

From 2012, the expenditure rose to ***GH¢280,133.2*** in 2014 due to fertilizers cost and tractor repairs which were frequent.

The vagaries of the weather and other operational challenges notwithstanding, the performance of the Agric stations and by extension the Agric Unit was highly commendable. Efforts must be made to address the challenges confronting the Agric Sector of the Service. Some of these challenges are:

- Breakdown of Service tractors.
- Breakdown of Service vehicles.
- Lack of vehicle for the Agric Unit.
- Lack of tractor mechanics, tractor operators and power-tiller operators.

# ***2014 AGRIC PERFORMANCE REPORT***

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The 2014 Agric programme started in earnest with the onset of the rains in the first quarter of the year. The year promised to be very wet. However, midway through the major season, there, was a long spell of drought which negatively affected the first batch of crops, especially maize, which were cultivated.

Fortunately, the rains resumed to see the crops through the season successfully. However, the harvesting period for maize coincided with abundance of rain. This also affected the drying of harvested maize and brought about post-harvest losses in maize due to mouldiness and general spoilage of the maize.

On the contrary, the minor season rains were short-lived and could not support the full development of the crops, especially maize and cowpea.

Notwithstanding the fluctuations and early cessation of the minor season rains, all the stations performed satisfactorily. Yendi, even though performed well, the cost of repairs on the tractor which is to be sent to the station increased their cost of production beyond the profitable level.

It must also be pointed out that two/2 stations were left out of the 2014 Agric programme due to huge losses made in previous years' productions. These were Wa and Salaga.

**TARGET ACHIEVED FOR CROPS 2011 - 2012 - 2013 - 2014 & 2015**

**TABLE 1:**

S/NO.	CROP TYPE	2011	2012	2013	2014	2015	2015
		TARGET ACHIEVED (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET ACHIEVED (ACREAGE)	TARGET SET (ACREAGE)	TARGET ACHIEVED (ACREAGE)
1	Cereals (Maize, Rice and Sorghum)	452	399.5	447	519	522	
2	Legumes (Groundnut and Cowpea)	49	36	34	38.5	61	
3	Plantation (Oil Palm, Cocoa, Citrus Cashew, Mango and Moringa)	536.3	504.3	551	622.5	644.3	
4	Root and Tuber (Yam and Cassava)	34.4	54.3	30	40	34	
5	Vegetables (Pepper, Okro, Tomatoes and Garden Egg)	65.5	60	45	43	48.5	
6	Woodlot (Teak and Acacia)	29	29	29	29	29	
<b>TOTAL</b>		<b>1,166.20</b>	<b>1,083.10</b>	<b>1,191.00</b>	<b>1,292.00</b>	<b>1,338.8</b>	

Table 1, above shows a summary of crops and the various acreages achieved from 2011 to 2014, and the targets set for 2015.

Cereal production of 452 acres in 2011 dropped to 399.5 in 2012 and started picking up from 2013 to 519 acres in 2014. The target set for 2015 is 522.

Legumes started from 49 acres in 2011 and dropped to 38.5 acres in 2014 with a target of 61 acres in 2015.

Similarly, plantation crops had 536.3 acres in 2011 and dropped to 504.3 acres in 2012. It however picked up at 557 acres in 2013 and rose to 622.5 acres in 2014. The target for 2015 is 644.3 acres.

Roots and Tubers fluctuated from 34.4 acres to 40 acres in 2015. In the same vein, vegetables declined from 65.5 in 2011 to 43 acres in 2014. Woodlot has remained at the same level of 29 acres.

With the cereals, there was a rise from 2013 as a result of increase in the acreage by some stations. With the legumes, there was a decline as a result of the exclusion of Yendi and Wa from production.

With the plantation crops, the rise in acreage was due to the expansion in oil palm plantation.

Roots and tuber production both declined and fluctuated as a result of the exclusion of Salaga which was producing yam.

With vegetables, there was gradual decline over the years. This was due to the lack of incentives for production by the producing stations. The rebate of 60% has become a disincentive for production. Its time a second look is taken at the rebate.

With the woodlot, the acreage did not changes over the years because new ones were not established.

Generally, the total acreage of 1,165.20 in 2011 reduced to 1,083.1 in 2012 but increase to 1,191 and 1,292 in 2013 and 2014 respectively. This is expected to increase to 1,338.8 acres in 2015.

**TARGET ACHIEVED FOR LIVESTOCK 2011 - 2012 - 2013 – 2014  
AND TARGET SET FOR 2015**

**TABLE 2:**

S/NO.	LIVESTOCK	2011	2012	2013	2014	2015	2015
		TARGET ACHIEVED	TARGET ACHIEVED	TARGET ACHIEVED	TARGET ACHIEVED	TARGET SET	TARGET ACHIEVED
1	SHEEP	138	224	223	220	258	
2	CATTLE	33	30	28	33	36	
3	PIGS	449	406	345	367	629	
4	RABBITS	115	206	146	255	213	
5	GOATS	23	33	38	36	66	
6	GRASSCUTTER	117	90	72	148	155	
7	POULTRY	500	301	2,000	3,400	2,900	
	<b>TOTAL</b>	<b>1,375</b>	<b>1,290</b>	<b>2,852</b>	<b>4,459</b>	<b>4,257</b>	

For livestock, the targets achieved reduced from 1,375 in 2011 to 1,290 in 2012 as indicated in Table 2. It however increased to 2,852 in 2013. In 2014 the target achieved nearly doubled to 4,459. This was due to increase in poultry production.

The target set for 2015 reduced to 4,257 as a result of the suspension of broiler production for the Easter Season due to a disease outbreak in poultry.

For the individual livestock, the targets achieved for sheep increased from 138 to 224 in 2012. It dropped marginally to 223 and 220 in 2013 and 2014 respectively. For 2015, the target set was 258.

For cattle, the target achieved reduced from 33 in 2011 to 30 and 28 respectively in 2012 and 2013. For 2014, the figure came at par with that of 2011, 33. This figure is expected to rise to 36 in 2015.

With pig production, the figure was on a decline from 449 in 2011 to 367 in 2014. However, in 2015 the figure is expected to rise to 629. This is due to the expected rise in production by Amanfrom and the new piggery project at Akuse.

With rabbits, the targets achieved rose from 115 in 2011 to 206 in 2012. This figure reduced to 146 in 2013 but rose to 255 in 2014. In 2015, the figure is expected to reduce to 213 as a result of the Ebola scare. Patrons are reluctant to patronize the rabbit and grasscutter meat. For the same reason, grasscutter production is also expected to increase just marginally in 2015 from 148 in 2014 to 155 in 2015.

For goat production, the targets achieved increased from 23 in 2011 to 33 and 38 in 2012 and 2013 respectively. However, the figure reduced marginally to 36 in 2014 but likely to rise to 66 in 2015 as a result of increased production expected at Awutu and Osamkrom.

With poultry production, even though the target achieved for 2012, 301 was lower than that of 2011, 500, the targets achieved for 2013 and 2014 were 2,000 and 3,400 respectively. These increases were due to increased in the production of broilers for both Easter and Christmas.

On the contrary, the target for 2015 was lower than the target achieved in 2014. This came about as a result of deferment of broiler production in Easter due to poultry disease outbreak in Europe.

**REVENUE, EXPENDITURE AND PROFIT FROM 2011 - 2014  
AND EXPECTATIONS FOR 2015**

**TABLE 3:**

<i>YEAR</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>	<i>PROFIT GH¢</i>
2011	339,061.24	217,299.80	121,721.61
2012	462,558.69	171,851.57	290,706.94
2013	481,930.24	255,545.20	226,385.04
2014	735,694.49	280,133.2	455,561.21
2015	962,796	405,919.56	556,876.44

From 2011 through to 2014, the revenue generated by the Agric stations increased from **GH¢339,061.24** to **GH¢735,694.49** as indicated in Table 3. The increase in revenue from 2011 to 2012 was 36.4%.

From 2012 to 2013, the increase was 4.2%. The increase was low because the yield of crops was lower than expected as a result of poor rains hence, the low revenue. However, in 2014, the revenue was nearly twice that of 2013. This was due to higher yield of crops as a result of good rains. For 2015, the revenue expected is **GH¢962,796.00**.

Coming to the expenditure pattern from 2011 to 2014, the expenditure dropped from **GH¢217,299.80** in 2011 to **GH¢171,851.57** in 2012. This was mainly due to arrangements put in place to purchase fertilizers at a reduced price from OLAM GHANA LIMITED. Similarly, there were no repairs of tractors. It must be pointed out that tractor repairs contribute significantly to the high cost of production by the Agric sector of the Service. Thus in 2012, there was 21% reduction in the Agric expenditure. In 2013, the expenditure rose from **GH¢171,851.57** to **GH¢255,545.20** (Table 3). That was 33% increase in expenditure. There were tractor repairs and payment of annual rents and royalties which contributed to the higher cost of production. However, in 2014, the expenditure was **GH¢280,133.20**. This was about 10% increase in expenditure. Following the pattern of expenditure from 2011 to 2014, the 2015 expenditure is expected to be **GH¢405,919.56**.

With the profitability of the Agric sector, Table 3 indicates that the profit level increased from ***GH¢121,721.61*** in 2011 to ***GH¢556,876.44*** in 2014. In 2012, there was an increase from ***GH¢121,721.61*** to ***GH¢290,706.94***. That was 139% increase. It was mainly due to the low expenditure in 2012. In 2013, the profit level dropped from ***GH¢290,706.94*** to ***GH¢226,385.04***. A drop of 22.1%. This was due to increased expenditure. In 2014, the profit was more than double, from ***GH¢226,385.04*** to ***GH¢455,561.21***. This was due to higher yields leading to higher revenue. The expected profit for 2015 is ***GH¢556,876.44***.

### **Returns on Investment**

The Returns on Investment (ROI) expressed as:

$$\text{ROI} = \frac{\text{profit}}{\text{Investments}} \times 100 \quad \text{are:}$$

56%, 169%, 88.6% and 163% for 2011, 2012, 2013 and 2014 respectively.

Generally, the 2014 Agric production was highly profitable. The best five/5 stations in terms of their annual profits for 2014 were:

<b><i>S/NO.</i></b>	<b><i>STATION</i></b>	<b><i>PROFIT GH¢</i></b>
1	Kenyasi	58,376.40
2	D' Nkwanta	48,059.87
3	Nsawam Male	44,842.22
4	Ankaful Main	41,617.40
5	Amanfrom	37,600.40

\* See appendix 1 for the performance of stations base on their profit.

\* Yendi had a negative profit (loss) due to the cost involved in tractor repairs for the station.

In 2013, the best five/5 stations were:

<i>S/NO.</i>	<i>STATION</i>	<i>PROFIT GH¢</i>
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



## **AHINSAN**

The station produced the crops indicated in the table below during the 2014 farming.

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>REMARKS</i>
1	Maize	30	24	10,000 kg/ 200 bags	15,300.00	
2	Cassava	5	2	350kg	819.00	
3	Oil palm	68 (old)	68	21,082.7 kg	14,799.10	
4	Oil Palm (young plantation)	40 (new)	40	-	-	40 acres new plantation not yet matured.
5	Teak	5	5	-	-	Not matured for harvest
	<b>TOTAL</b>				<b>30,918.10</b>	

The station spent **GH¢12,117.00** and generated **GH¢30,918.10**, thus making a profit of **GH¢18,801.10**.

The station can do more in the 2015 production season.

## **AMANFROM**

The station engaged in the production of maize, Oil Palm and vegetables as well as livestock during the 2014 agricultural seasons. The year's agricultural returns are analyzed below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>REMARKS</i>
1	Maize	16	16	10,700 kg	16,371.00	5,000 kg yet to be harvested
2	Old Maize	-	-	4,500 kg	5,670.00	-
3	Oil Palm	40	40	49,120 kg	24,494.95	
4	Garden egg			744 kg	567.00	
5	Assorted Vegetables				880.00	
	<b>TOTAL</b>				<b>47,982.95</b>	

## **LIVESTOCK**

<i>S/NO.</i>	<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>CLOSING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE</i>	<i>REMARKS</i>
1	Pig	125	234	89	11,250.00	9,026.54	Expenditure on livestock only.
2	Sheep	24	34	9	1,256.70		
	<b>TOTAL</b>				<b>12,536.70</b>	<b>9,026.54</b>	

The total expenditure including tractor maintenance amounted to **GH¢ 22,919.04**, while total revenue was **GH¢60,519.6**, thus, making a profit of **GH¢37,600.61**. The station's production is highly commendable. It was the 5<sup>th</sup> highest station in terms of profit. Steps are being taken to further increase production at the station.

## **ANKAFUL ANNEX**

During 2014 production year, the station produced the crops indicated below:

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Maize	12	150 bags	12,150.00
2	Garden Eggs	02	5000 kg	4000.00
3	Pepper	01	400 kg	960.00
	<b><i>TOTAL</i></b>			<b><i>17,110.00</i></b>

The total expenditure is ***GH¢3,337.00*** while total revenue is ***GH¢17,110.00***. The station made a profit of ***GH¢13,903.00***. This is a good performance considering their low expenditure.

## **ANKAFUL MAIN**

The station is into livestock production and crop farming. Crops cultivated in 2014 included maize, garden eggs, pepper and oil palm. Returns on the productions are presented below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>
1	Oil Palm	41	41	43,388.6	34,710.00	483.00
2	Maize	12	12	4,550 (91 bags)	7,351.00	2,707.00
3	Garden egg	1	1	1,600	1,280.00	125.00
4	Pepper	1	1	30	48.00	-
	<b><i>TOTAL</i></b>				<b><i>43,318.00</i></b>	<b><i>3,315.00</i></b>

### **LIVESTOCK**

<i>S/NO.</i>	<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>CLOSING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>
1	Cattle	28	31	2	2,528.00	100.00
2	Sheep	31	24	1	300.00	-
	<b>TOTAL</b>	<b>59</b>	<b>55</b>	<b>3</b>	<b>2,828.00</b>	<b>100.00</b>

The total expenditure was **GH¢3,415.00**, while total revenue was **GH¢45,032.40** this making a profit of **GH¢41,617.40**. The station was the 4<sup>th</sup> best station in terms of profit.

### **AKUSE MALE**

During the 2014 production period the station cultivated the crops indicated in the table below:

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>	<i>REMARKS</i>
1	Rice	28	170 bags	22,185.00	10 acres yet to be harvested. 130 bags expected to give a revenue of 16,965.00
2	Garden Eggs	½	590 kgs	212.40	-
	<b>TOTAL</b>			<b>22,397.40</b>	

### **LIVESTOCK**

The only livestock project undertaken during the period under review - 2014 was grasscutter rearing:

<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GH¢</i>	<i>CLOSING STOCK</i>	<i>MORTALITY</i>
Grasscutter	50	14	700.00	37	6

The total expenditure was ***GH¢29,957.88*** while total revenue was ***GH¢40,062.40***. The station made a profit of ***GH¢10,104.52***. The station's production for 2015 would be higher since an additional livestock project in piggery has first began at the station

## **AWUTU**

During the 2014 growing season, the station put the crops indicated below under cultivation.

<i>S/NO.</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Maize	40	320 bags	28,800.00
2	Cowpea	20	601 kg	2,404.00
3	Pepper	20	160 kg (Dried) 15 kg (Fresh)	1,600.00 90.00
4	Mango	08	2,500kg	500.00
5	Garden Eggs	¼	62 kg	124.00
6	Okro	¼	50 kg	100.00
	<b><i>TOTAL</i></b>			<b><i>33,618.00</i></b>

## **LIVESTOCK**

During the same period under review, the station made some revenue from sale of one grasscutter as shown below:

<i>S/NO</i>	<i>LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE</i>	<i>CLOSING STOCK</i>	<i>REMARKS</i>
1	Grasscutter	47	1	40	53	Stock increased by birth.
2	Goat	38	Nil	Nil	36	No sales
3	Sheep	42	-	-	52	No sales

It must be pointed out that the stations maize production met some weather challenges which affected the yield of maize. Also, some revenue was generated from other livestock such as goat and sheep.

The station would do better in 2015. The total expenditure was ***GH¢14,222.50*** while the total revenue was ***GH¢33,658.00***, thus making a profit of ***GH¢19,435.50***.

## **DUAYAW NKWANTA**

The station produced a number of crops during the 2014 farming seasons as indicated in the table below:

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>	<i>REMARKS</i>
1	Maize	50	22,000 kg (440 bags)	33,660.00	5 acres not harvested yet.
2	Oil palm	121.5	-	11,409.57	Revenue from oil processed and palm fruits sold
3	Cassava	6	400kg (gari)	1,008.00	Gari processing
4	Cowpea	5	-	-	Not harvested yet
5	Pepper	0.5	10 kg	33.00	-
	Tomatoes	0.5	119 kg	142.80	
6	Old Palm trees sold	-	-	2,950.00	
	<b><i>TOTAL</i></b>			<b><i>49,203.37</i></b>	

Total expenditure was ***GH¢16,979.00*** while total revenue was ***GH¢65,038.87***. The station made a profit of ***GH¢48,059.37***. It was the second best station of 2014 Agric programme.

## **FORIFORI**

During the 2014 farming seasons the station cultivated maize, vegetables and maintained oil palm of 6½ acres as well as the woodlots. The station also undertook livestock production (sheep rearing).

Returns on these agricultural activities are recorded in the tables below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>
1	Maize (major)	20	20	12,500 (250 bags)	22,500.00	8,640.00
	Maize (minor)	20	20	Yet to be harvested	-	1,300 (tarpaulin)
2	Garden Eggs	1	1	1,295	712.25	-
3	Pepper	2	1	55 (dried)	549.00	-
4	Oil Palm	6½	6½	-	Not harvestable yet	-
5	Mango	10	10	-	-	-
6	Acacia	4	4	-	-	-
7	Teak	2	2	-	-	-
	<b>TOTAL</b>				<b>23,761.25</b>	<b>9,940.00</b>

## **LIVESTOCK**

<i>S/NO.</i>	<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>CLOSING STOCK</i>	<i>QTY SOLD</i>	<i>QTY UNSOLD</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>
1	Sheep	83	68	43	-	2,650.00	1,447.00
	<b>TOTAL</b>					<b>2,650.00</b>	<b>1,447.00</b>

The station invested **GH¢11,887.00** and generated a revenue of **GH¢36,311.25**, thus making a profit of **GH¢24,424.25**. The station can do more.

## **HIAWA**

The station cultivated the crops in the table below. It also undertook poultry production.

<b>S/NO.</b>	<b>TYPE OF CROPS</b>	<b>TARGET SET (ACREAGE)</b>	<b>TARGET ACHIEVED</b>	<b>YIELD (KG)</b>	<b>REVENUE GH¢</b>	<b>REMARKS</b>
1	Maize	30	-	210 bags	18,900	-
2	Cowpea (minor)	5	-	5 “	900.00	-
3	Garden egg	2	-	1,564	231.90	-
4	Oil Palm	2	-	5,700	4,104.00	-
5	Okro	1	-	120	-	-
	<b>TOTAL</b>				<b>24,135.9</b>	

## **LIVESTOCK**

<b>S/NO.</b>	<b>TYPE OF LIVESTOCK</b>	<b>OPENING STOCK</b>	<b>QTY SOLD</b>	<b>REVENUE GH¢</b>	<b>QTY UNSOLD</b>	<b>REVENUE GH¢</b>	<b>TOTAL REVENUE</b>
1	Poultry	200	80	2,000	120	3,000	5,000
	<b>TOTAL</b>			<b>2,000</b>		<b>3,000</b>	<b>5,000</b>

The total expenditure was **GH¢7,202.00** while total revenue was **GH¢29,135.90**. Thus, making a profit of **GH¢21,933.90**. Thus, making a profit of **GH¢21,933.90**.



## **JAMES CAMP**

The station cultivated a number of vegetables during the 2014 farming season. It also undertook livestock production which involved poultry - phase 1 and 2, pigs, rabbits and grasscutter. Below are tables of returns on the mentioned agricultural programmes.

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>EXPENDI-TURE</i>	<i>PROFIT</i>
1	Pepper	3.5 acres	3.5 acres	1,654	6,616.00		
2	Okro	1 “	1 “	-	700.00		
3	Exotic Vegetable	1 “	1 “	-	500		
4	Black Beauty	1.0 “	0.5 “	-	100		
	<b>TOTAL</b>	<b>6.5</b>	<b>6.0</b>		<b>7,916.00</b>	<b>3,073.3</b>	<b>4,842.7</b>

## **LIVESTOCK**

<i>S/NO.</i>	<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>CLOSING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GH¢</i>	<i>EXPENDI-TURE</i>	<i>PROFIT</i>
1	Poultry Ph.1	700	-	603	13,000.00	9,825.00	3,175.00
2	Poultry ph.2	700	-	602	17,340.00	12,168.00	5,172.00
3	Pigs	50	33	42	8,000.00	2,856.30	5,143.7
4	Rabbit	56	90	36	960.00	1,778.60	-
5	Grasscutter	14	21	-	-	1,088.60	-
	<b>TOTAL</b>				<b>39,300.00</b>	<b>25,937.9</b>	<b>13,362.10</b>

The total expenditure was **GH¢29,434.7** while total revenue was **GH¢47,216.00**. Thus, making a profit of **GH¢17,781.03**. The Ebola scare affected the patronage of rabbits and grasscutter, thus impacting negatively on their sales and revenue.

## **KPANDO**

The station during 2014 farming year produced the crops shown below:

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Maize	50	400bags	36,000.00
2	Rice	8	38 bags	5,700.00
3	Cassava	18	50 bags (gari)	5,130.00
4	Pepper	1	3.3 bags	1,782.00
5	Garden Eggs	1	11.6 bags	551.00
	<b>TOTAL</b>			<b>49,163.00</b>

The total expenditure was **GH¢16,351.00**, while total revenue was **GH¢49,163.00**. The station made a profit of **GH¢32,812.00**. The station is one of the higher Agric producing stations.

## **KENYASI**

Kenyasi Settlement Camp Prison, one of the major farming stations of the Service, produced annuals and plantation crops during the major and the minor seasons of 2014.

Returns on the programmes undertaken are recorded in the table below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>EXPENDI-TURE</i>	<i>PROFIT</i>	<i>REMARKS</i>
1	Maize	85	70	800 bags	63,931.50	12,930.00		
2	Cassava	3	3	-	-			Not matured
3	Cocoa	28	28	1,434.5	6,197.00			
4	Oil Palm	42	42	10,301	7,547.40			
5	Cowpea	3	2	10 bags	1,080.00			
6	Pepper	3	1	2 bags	86.00			
	<b>TOTAL</b>				<b>78,841.90</b>	<b>12,930.00</b>	<b>65,911.90</b>	

The station invested a total of **GH¢25,589.50** and generated a revenue of **GH¢83,965.90**, thus making a profit of **GH¢58,576.40**. It was the best station for 2014 and had the highest profit.

## **NSAWAM FEMALE**

The station cultivated the underlisted crop during 2014 production season.

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Maize (main season)	2	18.2 bags	1,392.30
2	Maize (minor)	¼	3 bags	229.50
	<b><i>TOTAL</i></b>			<b><i>1,621.80</i></b>

## **LIVESTOCK**

During the production period, the station was able to raise some rabbits.

<i>S/NO.</i>	<i>LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>CLOSING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE</i>	<i>EXPENDITURE</i>
1	Rabbit	27	32	3	120.00	120.00

Total expenditure was ***GH¢914.00*** while total revenue was ***GH¢1,741.80***. It made a profit of ***GH¢827.30***.

## **NSAWAM MALE**

The station cultivated a number of crops during the 2014 farming year as indicated in the table below.

It also undertook poultry production for both the Easter and Christmas seasons.

<i>S/NO.</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>HARVESTED</i>	<i>TARGET SET (YIELD)</i>	<i>TARGET ACHIEVED</i>	<i>REVENUE</i>
1	Oil Palm	62.5	32	16,000 kg	16,355 kg	23,941.98
2	Maize	25	15	12,000 kg	6,500 kg	9,945.00
3	Black Beauty	1	1	2,200 kg	5,717 kg	1,814.68
4	Citrus	7	2	2,000 kg		600.00
	<b><i>TOTAL</i></b>					<b>36,301.66</b>

### **OLD OIL PALM TREES**

<i>S/NO.</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT PRICE</i>	<i>REVENUE GH¢</i>
1	Sale of Old Palm trees	650	15.00	9,750.00
2	Compensation by ECG	147	-	3,944.00
	<b><i>TOTAL</i></b>			<b>13,694.00</b>

### **LIVESTOCK**

<i>S/NO.</i>	<i>TYPE OF LIVESTOCK</i>	<i>OPENING STOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GH¢</i>	<i>CLOSING STOCK</i>	<i>MORTALITY</i>
1	Poultry (Broiler)	1,800	720	44,154.00	-	80
2	Grasscutter	3	2	100.00	-	1
3	Rabbit	14	-	-	26	11
	<b><i>TOTAL</i></b>			<b>44,254.00</b>		

The station invested a total of ***GH¢40,303.44*** in both crops and livestock. It generated a revenue of ***GH¢85,145.66*** and made a profit of ***GH¢44,842.22***. It was the 3<sup>rd</sup> best station in 2014.

## **OBUASI**

During the 2014 year the station's agricultural activities involved the cultivation of maize and the maintenance of 18.3 acres oil palm plantation.

Returns on the farming activities are captured in the table below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>EXPENDITURE GH¢</i>	<i>PROFIT</i>
1	Maize	30	25	180 bags (9,000 )	13,770.00	3,975.00	9,795.00
2	Oil Palm	18.3	18.3	5,686	5,866.38	500.00	5,366.38
3	Teak	7	7	-	No harvest	-	-
	<b><i>TOTAL</i></b>				<b><i>19,636.38</i></b>	<b><i>4,475.00</i></b>	<b><i>15,161.38</i></b>

The station invested an amount of ***GH¢4,475*** and generated a revenue of ***GH¢19,636.38***. Thus, making a profit of ***GH¢15,161.38***. It must be pointed out that the station performed below expectation, especially in maize production.

It had a yield of 180 bags out of 25 acres, making 7 bags per acre. It is expected that the station will perform better in 2015.

The station is known to be producing over 20 bags per acre. But over the past three/3 years, their production has declined. In 2012, the station had 13.3 bags per acre. They produced 15 acres and got 200 bags. Similarly in 2013, the yield per acre was 15.4 bags. The station cultivated 15 acres in the major season and got 231 bags. Their minor season maize was a failure. In 2014, the station cultivated 25 acres and had a yield of 180 bags. This gave a yield of 7 bags per acre. This was far below expectation. A serious attention has to be given to the Agric production at the station in order to arrest the decline in production.

## **OSAMKROM**

During the 2014 production year, the station cultivated the crops indicated below:

<i>S/NO</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE UNSOLD</i>	<i>REVENUE SOLD (GH¢)</i>
1	Maize	28	248 bags	15,876.00	4,212.00
2	Garden Eggs	½	783kg		939.60
3	Pepper	½	20 kg		72.00
4	Cowpea	3½	15 bags		3,000.00
5	Oil Palm (Old)	3	3,793 kg		7,586.00
	<b><i>TOTAL</i></b>			<b><i>15,876.00</i></b>	<b><i>15,809.60</i></b>

## **LIVESTOCK**

During the same period under review, the station made some revenue from sale of pigs as shown below:

<i>S/NO</i>	<i>LIVESTOCK</i>	<i>QTY SOLD</i>	<i>REVENUE GENERATED FROM SOLD</i>	<i>QTY REMAINED UNSOLD (GH¢)</i>	<i>UNSOLD REVENUE (GH¢)</i>
1	Pigs	11	670.00	60.00	5,100.00
	<b><i>Total</i></b>		<b><i>670.00</i></b>	<b><i>-</i></b>	<b><i>5,100.00</i></b>

The total expenditure is ***GH¢13,159.00*** while total revenue is ***GH¢37,455.60***. Thus, making a profit of ***GH¢24,296.60***. The station has more room for improvement.

## **TARKWA**

The station maintained their oil palm plantation and generated revenue as indicated below:

<i>S/NO.</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Oil Palm	21	6,022 kgs	4,610.58
	<b><i>TOTAL</i></b>			<b><i>4,610.58</i></b>

The total expenditure was ***GH¢2,690.00***, while the total revenue was ***GH¢4,610.58***, thus, making a profit of ***GH¢1,920.58***.

## **YENDI**

During 2014 production year, the station cultivated the crops indicated below:

<i>S/NO.</i>	<i>CROPS</i>	<i>ACREAGE</i>	<i>YIELD</i>	<i>REVENUE</i>
1	Maize	30	160 bags	12,160.00
2	Cowpea	05	16 bags	2,640
	<b><i>TOTAL</i></b>			<b><i>14,800.00</i></b>

Total expenditure is ***GH¢16,656.00*** while total revenue is ***GH¢14,800.00***. However, a tractor was repaired to be conveyed to the station from Kenyasi. This increased their production cost and rendered their production profitless. They made a loss of ***GH¢1,856.00***. However, the station would do better in 2015.

## **YEJI**

Crops cultivated at Yeji Camp Prison during the 2014 season were white yam, Maize and Pepper.

Details of returns are presented in the table below:

<i>S/NO.</i>	<i>TYPE OF CROPS</i>	<i>TARGET SET (ACREAGE)</i>	<i>TARGET ACHIEVED</i>	<i>YIELD (KG)</i>	<i>REVENUE GH¢</i>	<i>REMARKS</i>
1	White Yam	3,00 mounds	300 mounds	4,000 kg	7,200.00	
2	Maize	30 acres	30 acres	17,500 kg (350 bags)	26,775.00	
3	Pepper	-	0.5 “	90 kg (dried)	198.00	
	<b><i>TOTAL</i></b>				<b><i>34,173.00</i></b>	

The total expenditure was ***GH¢13,516.00*** while total revenue was ***GH¢34,173.00***. Thus, making a profit of ***GH¢20,657.00***.

## **CONCLUSION**

The general performance of the stations during the 2014 Agric production year was highly commendable. However, two/2 Agric stations were not considered in the 2014 Agric production due to losses made in previous year's productions.

These stations were Wa and Salaga. On the other hand, Yendi, which was left out of previous Agric productions in 2012 and 2013 was considered in 2014 due to change in the top management of the station.

Yendi would have also performed satisfactorily if the cost of repairs of the tractor had not been added to their cost of production. Hopefully, all the stations would perform to the expectation of the Service in 2015.



## **CHALLENGES**

The 2014 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 tractor breakdown Agric Unit had to spend a lot of money getting these tractors repaired. Also adding to the cost of production. Currently, the power-tiller at Akuse is broken down. The station has to engage the services of private power-tiller owners at exhorbitant charges.
- ***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 sometimes 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.
- ***Lack of vehicle at the Agric Unit:*** This situation made farm visit, monitoring and evaluation activities of the Unit very difficult.

## **RECOMMENDATIONS**

*It is recommended that:*

1. Officers-in-Charge of Agric stations must be made to accept the fact that they are sent to the Agric stations to first of all supervise the Agric projects in order to meet the projects outputs. They need to get committed to the success of the Prison farms.
2. The efforts of the Prison Administration to get tractors is commendable. These efforts must be intensified to get some tractors to increase the acreages and yields of our Agric production.

3. Measures must be put in place to get tractor mechanics, tractor operators and power-tiller operators enlisted into the Service.
4. The Agric stations should be assisted to repair their broken-down vehicles to make conveyance to and from the farm as well as conveying feedstuffs for the livestock possible and easier.
5. The Agric Unit should be allocated with a strong cross-country vehicle. May be one the PPP projects, when operational, could cater for a vehicle for the Agric Unit.
6. Camp prisons should be constructed at Nsawam, Kenyasi, Duayaw Nkwanta, Yeji and if possible Koforidua to decongest the central and local prisons and also to increase Agric productions.

*\* Please see appendix 2 & 3 for the details of expenditure, revenue and profit of the stations.*

**APPENDIX 1**

**AGRIC STATIONS PERFORMANCE IN TERMS  
OF THEIR PROFIT MARGIN - 2014**

<b>S/NO.</b>	<b>STATION</b>	<b>PROFIT GH¢</b>
1	<i>Kenyasi</i>	58,376.40
2	<i>D' Nkwanta</i>	48,059.87
3	<i>Nsawam Male</i>	44,842.22
4	<i>Ankaful Main</i>	41,617.40
5	<i>Amanfrom</i>	37,600.40
6	<i>Kpando</i>	32,812.00
7	<i>Akuse Male</i>	28,654.40
8	<i>Forifori</i>	24,424.25
9	<i>Osankrom</i>	24,296.60
10	<i>Hiawa</i>	22,113.90
11	<i>Yeji</i>	20,657.00
12	<i>Awutu</i>	19,435.50
13	<i>Ahinsan</i>	18,801.10
14	<i>James Camp</i>	17,781.30
15	<i>Obuasi</i>	15,161.38
16	<i>Ankaful Annex</i>	13,903.00
17	<i>Tarkwa</i>	1,920.58
18	<i>Nsawam Female</i>	827.30
19	<i>Yendi</i>	-1,856.00 ( <i>Loss</i> )
<b>TOTAL</b>		<b>469,907.81</b>

**APPENDIX 2**  
**ANALYSIS OF FARMING STATIONS PERFORMANCE IN 2014**

<b>S/NO.</b>	<b>STATION</b>	<b>CROP (SOLD) REVENUE GH¢</b>	<b>WORTH OF UNSOLD STOCK</b>	<b>LIVESTOCK REVENUE GH¢</b>	<b>TOTAL REVENUE GH¢</b>	<b>TOTAL EXPENDITURE INCLUDING TRACTOR REPAIRS GH¢</b>	<b>EXCESS REVENUE/ LOSS GH¢</b>
1	Ahinsan	30,918.10	-	-	30,918.10	12,117.00	18,801.10
2	Amanfrom	37,682.45	10,300.50	12,536.70	60,519.65	22,919.04	37,600.61
3	Ankaful Annex	17,110.00	-	-	17,110.00	3,207.00	13,903.00
4	Ankaful Main	29,593.60	13,156.80	2,282.00	45,032.40	3,415.00	41,617.40
5	Akuse Male	22,397.40	16,965.00	700.00	40,062.40	29,957.88	10,104.52
6	Awutu	14,768.00	18,850.00	40.00	33,658.00	14,222.50	19,435.50
7	D' Nkwanta	49,203.37	15,835.50	-	65,038.87	16,979.00	48,059.87
8	Forifori	23,761.25	9,900.00	2,650.00	36,311.25	11,887.00	24,424.25
9	Hiawa	24,135.90	-	5,000.00	29,135.90	7,202.00	21,933.90
10	James Camp	7,916.00	-	39,300.00	47,216.00	29,434.70	17,781.30
11	Kenyasi	48,238.40	35,727.50	-	83,965.90	25,589.50	58,376.40
12	Kpando	24,851.00	24,312.00	-	49,163.00	16,351.00	32,812.00
13	Nsawam Male	36,301.66	4,590.00	44,254.00	85,145.66	40,303.44	44,842.22
14	Nsawam Female	1,621.80	-	120.00	1,741.80	914.50	827.30
15	Obuasi	19,636.38	-	-	19,636.38	4,475.00	15,161.38
16	Osamkrom	15,809.60	20,976.00	670.00	37,455.60	13,159.00	24,296.60
17	Tarkwa	4,610.58	-	-	4,610.58	2,690.00	1,920.58
18	Yendi	14,800.00	-	-	14,800.00	16,656.00	-1,856.00
19	Yeji	99.00	34,074.00	-	34,173.00	13,516.00	20,657.00
<b>TOTAL</b>		<b>423,454.49</b>	<b>204,687.30</b>	<b>107,552.70</b>	<b>735,694.49</b>	<b>285,031.56</b>	<b>451,357.93</b>

**APPENDIX 3**

**2014 - PRODUCTION RETURNS**  
**REVENUE AND EXPENDITURE**

<i>S/NO.</i>	<i>STATION</i>	<i>EXPENDITURE</i>	<i>REVENUE</i>
1	Ahinsan	12,117.00	30,918.10
2	Amanfrom	22,919.04	60,519.65
3	Ankaful Annex	3,207.00	17,110.00
4	Ankaful Main	3,415.00	45,032.40
5	Akuse Male	11,408.00	40,062.40
6	Awutu	14,222.50	33,658.00
7	D' Nkwanta	16,979.00	65,038.87
8	Forifori	11,887.00	36,311.25
9	Hiawa	7,202.00	29,135.90
10	James Camp	29,434.70	47,216.00
11	Kenyasi	25,589.50	83,965.90
12	Kpando	16,351.00	49,163.00
13	Nsawam Male	40,303.44	85,145.66
14	Nsawam Female	914.50	1,741.80
15	Obuasi	4,475.00	19,636.38
16	Osamkrom	13,159.00	37,455.60
17	Tarkwa	2,690.00	4,610.58
18	Yendi	16,656.00	14,800.00
19	Yeji	13,516.00	34,173.00
<b><i>TOTAL</i></b>		<b><i>266,445.68</i></b>	<b><i>735,694.49</i></b>

