REPUBLIC OF KENYA

MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES

ECONOMIC REVIEW OF AGRICULTURE [ERA] 2015

Prepared by:
Central Planning and Project Monitoring Unit
Ministry of Agriculture, Livestock and Fisheries

ECONOMIC REVIEW OF AGRICULTURE [ERA]

2015

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ABBREVIATIONS

AFC	Agriculture Finance Corporation
AfDB	African Development Bank
AFFA	Agriculture Fisheries and Food Authority
APCU	Agricultural Project Coordination Unit
ARUD	Agriculture Rural and Urban Development
ASAL	Arid and Semi-Arid Lands
ASDSP	Agriculture Sector Development Support Programme
ATC	Agricultural Training Centre
CEC	County Executive Committee
CPPMU	Central Planning and Project Monitoring Unit
CPF	Common Programme Framework
CRF	Coffee Research Foundation
DFZ	Disease Free Zone
DP	Development Partners
DPI	Dairy Price Index
DRSLP	Drought Resilience and Sustainable Livelihoods Project
EAAPP	Eastern Africa Agricultural Productivity Project
ERA	Economic Review of Agriculture
ESP	Economic Stimulus Project
EU	European Union
FAO	Food and Agriculture Organization
FY	Financial Year
GDP	Gross Domestic Product
GEF	Global Environment Facility
GIEWS	Global Information and Early Warning System
GoK	Government of Kenya
IFAD	International Fund for Agricultural Development
ICF	Intergovernmental Consultative Forum
ICO	International Coffee Organization
IGC	International Grain Council
IGS	Inter Governmental Secretariat
JICA	Japanese International Cooperation Agency
KACCAL	Kenya Adaptation to Climate Change in Arid and Semi-Arid Lands
KARI	Kenya Agricultural Research Institute
KALRO	Kenya Agriculture and Livestock Research Organization
KAPAP	Kenya Agricultural Productivity and Agribusiness Project
KAPSLM	Kenya Agricultural Productivity and Sustainable Land Management
KCA	Kenya Census of Agriculture
KCEP–CRAL	Kenya Cereal Enhancement Project and Kenya Climate Resilient Agricultural Livelihoods Project
KESREF	Kenya Sugar Research Foundation
KMFRI	Kenya Marine and Fisheries Research Institute

KNBS	Kenya National Bureau of Statistics
KSG	Kenya School of Government
Kshs	Kenya Shillings
MCS	Monitoring Control and Surveillance
Mn	Million
MoALF	Ministry of Agriculture Livestock and Fisheries
MT	Metric Tons
NAAIAP	National Accelerated Agricultural Input Access Project
NARSP	National Agricultural Research Systems Policy
NAS	National Agribusiness Strategy
NASEP	National Agriculture Sector Extension Policy
NFNSP	National Food and Nutrition Security Policy
NMK	Njaa Marufuku Kenya
PEGRES	Project for Enhancing Gender Responsive Extension Services
RICEMAPP	Rice-based Marketing Agriculture Promotion Project
SAGAs	Semi-Autonomous Government Agencies
SDA	State Department of Agriculture
SDF	State Department of Fisheries
SDL	State Department of Livestock
SHDP	Small-scale Horticulture Development Project
SHEP PLUS	Smallholder Horticulture Empowerment Promotion Project for Local and Up-scaling
SHEP-UP	Smallholder Horticulture Empowerment and Promotion Unit Project
SHoMAP	Smallholder Horticulture Marketing Programme
SIDA	Swedish International Development Agency
STI	Science Technology and Innovation
THVC	Traditional High Value Crops
TRF	Tea Research Foundation
TS	Transformation Secretariat
UPAL	Urban and Peri-urban Agriculture and Livestock
UPAP	Urban and Peri-urban Project
USD	United States Dollar
USDA	United States Department of Agriculture
WASDE	World Agricultural Supply and Demand Estimates
YMAP	Youth in Modern Agriculture Project

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FOREWORD

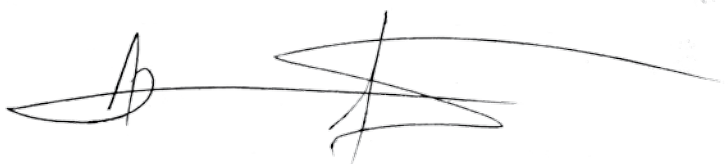
The Agriculture Sector is the backbone of Kenya's economy and the source of livelihood for majority of the rural population. The sector contributes about 26 percent of the country's GDP and employs about 75 percent of the population. The sector is a major source of revenue with agricultural produce exports accounting for nearly two thirds of total domestic export. Supporting this sector therefore leads to securing most livelihoods of the Kenyans people.

Owing to the importance of agriculture in the economy, it is paramount to have accurate, reliable and timely data for informed decision making and proper planning. This "Economic Review of Agriculture" publication is the 9th edition since 2006 when it was re-introduced. The publication has become a crucial reference document for indicators on agriculture. Continuous effort has been made to collect, validate and analyze more data over time. The Ministry publication of agricultural statistics has therefore improved further by the inclusion of livestock and fisheries information which has lacked in the previous publications.

Agriculture function has largely been devolved and the sector requires much more coordination and proper monitoring. The Economic Review of Agriculture (ERA) will play a major role in this, since its focus is to consolidate and disseminate necessary information for the growth and development of the agriculture sector. It gives the global perspective in agriculture as well as the national and county performance. This publication will therefore facilitate informed decision making by stakeholders in the sector and thus improve the livelihood of Kenyans.

The Ministry supports preparation, printing, and circulation of the ERA publication in recognition of the importance of agriculture sector performance assessment. This is critical since the overall performance of the country's economy is positively related to agriculture sector performance. It is expected that the publication will reach various stakeholders and will guide policy, planning and investment decisions.

I am certain that the Economic Review of Agriculture will be useful to various stakeholders.



Adan A. Mohammed, EBS
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PREFACE

The Ministry strives to have a food secure and wealthy nation anchored on an innovative, commercially oriented and competitive agricultural sector. The aim is to improve the livelihood of Kenyans and ensures food security through creation of an enabling environment and ensuring sustainable natural resource management. It therefore closely monitors the performance of the agriculture sector which has a major impact on the Kenya's economic performance.

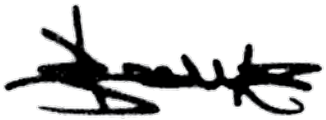
This ninth edition of the ***Economic Review of Agriculture (ERA)*** is a continuation of the Ministry's efforts in data consolidation, analysis and dissemination to the various stakeholders. It provides domestic macro indicators with an international perspective that help in comparative analysis. This edition has given much more focus in analysis of 2013 and 2014 data since the publication was not produced in year 2014 owing to transition challenges in the process of devolution.

Economic Review of Agriculture (ERA) 2015 edition comprises of nine chapters which mainly present agricultural data analysis and annexes which tabulates useful production data from all the counties. Chapter one (1) provides basic analysis on aggregate national economic indicators for five years as well as key indicators on performance of agriculture. Extracts on the world food commodity situation and forecasts by Food and Agriculture Organization (FAO) are analyzed in chapter two (2), to help in comparative analysis.

Chapter three (3), four (4) and five (5) are the main ones and they give detailed analysis of crops, fisheries and livestock performance respectively. Chapter six (6) presents analysis of inputs for crops, fisheries and livestock. The chapter contains analysis and information regarding inputs such as seed, fertilizers, feed, credits and equipments. A summary of key recent reforms; trends in budget allocation to the Ministry; and the ministry's programmes and projects are presented in chapters seven (7), eight (8) and nine (9) respectively.

The ministry is confident that, ***Economic Review of Agriculture*** will continue to offer stakeholders and others, access to new information and insights on the sector which the entire Kenyan economy so much depend on.

Sicily K. Kariuki (Mrs.), MBS
Principal Secretary
State Department of Agriculture



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All the technical directors in the Ministry are acknowledged and applauded for giving valuable technical contributions. The editorial team acknowledges inputs from all data producers including the Semi Autonomous Government Agencies (SAGA's), institutions and stakeholders who continue to provide valuable information to this publication.

Central Planning and Project Monitoring Unit expresses gratitude to the Kenya Census of Agriculture (KCA) Programme for financing the activities which culminated in the ERA 2015 edition. These include the annual national data validation exercise conducted countrywide, compilation and printing of the publication.

As the team leader of the editorial team, I wish to specifically acknowledge the following officers who worked extra hard with commitments to produce this publication.

Alex Mwaniki	Senior Economist/ Biometrician	SDA
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State Department of Agriculture

SYMBOLS AND CONVENTIONS

Category not applicable	=	”.“
Data not available	=	”..“
Data not yet available	=	”... “
Not for publication	=	” : “
Nil	=	”- “
Estimated value	=	“e”
Provisional or preliminary figure	=	“*”
Less than 0.5 of unit employed	=	” 0 “
Less than 0.05 of unit employed	=	”0,0 “
Break in the homogeneity of vertical series	=	”--“
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1.0 OVERVIEW ON ECONOMIC PERFORMANCE

1.1 Overall Economic Performance

The global economy registered a growth of 3.3 percent in the year 2013 and the same rate in 2014. On the other hand, Kenya's economy is estimated to have declined to 5.3 percent in 2014, compared to a growth of 5.7 percent registered in 2013. In 2014, agriculture sector recorded a lower growth rate of 3.5 percent in 2014 compared to the 5.2 percent growth in 2013. The sector amongst others therefore influenced the reduced national economic growth in 2014.

The decline in performance of the agriculture sector was mainly attributable to erratic rains in 2014, with some regions receiving depressed rainfall. This resulted to a decrease in production for some crops as well as pasture. Although agriculture did not achieve high growth it was by far the leading sector in contribution to GDP at 27.3 percent followed by manufacturing sector with a share of 10.0 percent. In this regard crops growing, animal production and fishing and aquaculture contributed 19.7 percent, 4.9 percent and 0.8 percent respectively (25.4%); while the balance of 1.9 percent came from forestry and other support activities.

In the 2015 agriculture outlook, the global economy is projected to grow at 3.5 percent while the domestic economy would remain relatively the same. Similarly, the performance of the agriculture sector would not significantly change much in 2015 as a result of depressed level of rainfall (Economic Survey, 2015).

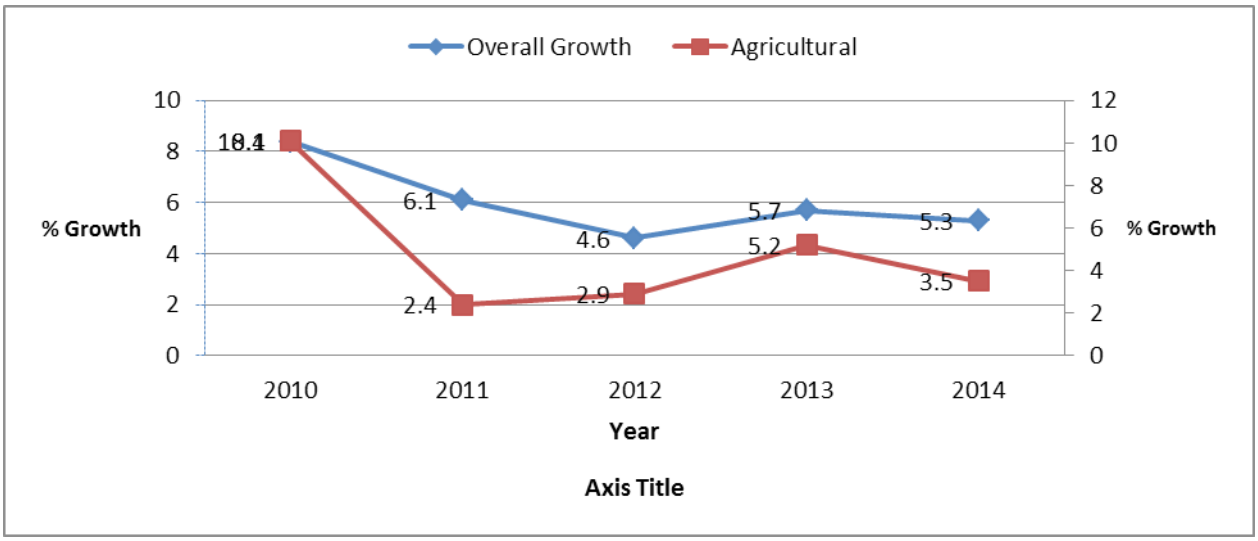


Figure 1.1: Trends in National GDP and Agri.GDP, 2010 - 2014
NB: - ***The new series are based on the re-based GDP.***

1.2 Interest Rates

The 91 days Treasury bill rate declined from 9.5 percent in December 2013 to 8.5 percent in December 2014. The commercial banks weighted average lending rate remained relatively high but declined from 17.0 percent in December 2013 to 16.0 percent in December 2014. Over the same period, the deposit rate rose from 6.7 percent to 6.8 percent. The interest rate spread therefore reduced from 10.3 percent in December 2013 to 9.2 percent in December 2014. The interest rate spread in Kenya still remains high as compared to the newly industrializing economies, which stands on average at 6 percent.

1.3 Exchange Rates

The Kenya shilling exhibited mixed performance against major international and regional currencies during the year 2014. The Kenya shilling held firm against the major trading currencies despite its weakening against the United States Dollar (USD), Sterling pound and the Euro. Performance of the shilling reflected international developments, where the USD continued to strengthen against other major world currencies as a result of rebounding United States (US) economy. The Kenya shilling's stability was mainly due to proceeds from successful international sovereign bonds floated by the Government in June 2014 and increased diaspora remittances. A significant decline in the international tourism earnings and a widening trade deficit worked against the Kenya shilling.

1.4 Inflation Rates

Despite the drop in prices of fuel and electricity, inflation rate rose slightly as a result of high food price. Inflation rate maintained its single digit level, rising from 5.7 percent in 2013 to 6.9 percent in 2014. It is projected to ease in 2015 supported by lower prices of oil, electricity and expected favorable weather situation.

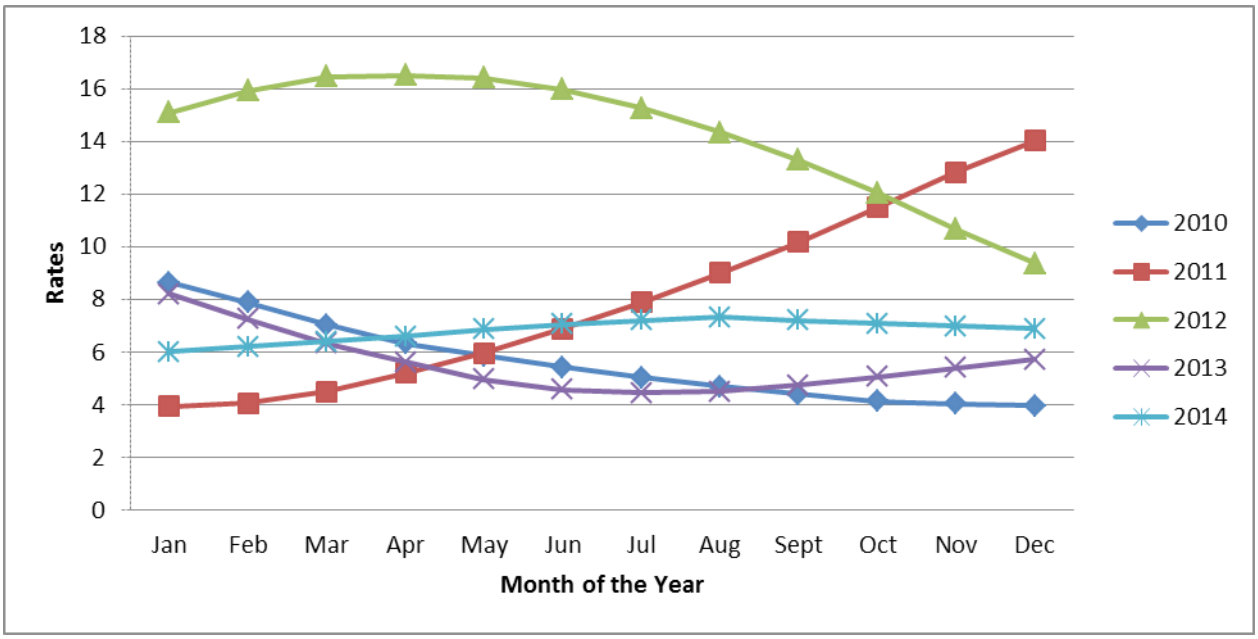


Figure 1.2: Average Inflation Rates
Source: CBK

1.5 Performance of the Agricultural Sector

Growing of crops and animal production was negatively affected by the impact of poor long rains (March-May) in some parts of the country, especially in the North Rift with the short rains (October- December) being near normal in most parts of the country. This resulted to reduced maize production in 2014 to 39.0 million bags from 40.7 million bags (90 kg) harvested in 2013. However, there was notable production increases in coffee, tea, cut flowers and fruits, while sugarcane production declined.

The total marketed production increased slightly to Kshs 336.5 billion in 2014 from Kshs 334.8 billion in 2013. Marketing of key cash crops was negatively affected by suppressed external demand and a glut in global supply of tea. Quantity of exported tea increased by 1.0 percent but its price generally remained suppressed due to the increased supply in the international market. On the other hand, the value of coffee exports rose by 22.0 percent, despite a decline of 3.0 percent in export quantities due to improved international prices. The improvement in prices was attributed to high quality beans and increased demand for Kenyan coffee for blending other varieties. Earnings from the export of fresh horticultural crops increased from Kshs 89.3 billion in 2013 to Kshs 97.1 billion in 2014.

Milk production decreased by 8.1 percent from 3.7 billion litres in 2013 to 3.4 billion litres in 2014. The formal marketed milk increased from 523.0 mn litres in 2013 to 541.6 mn litres in 2014. Beef production increased by 17.2 percent to record 113.5 MT in 2014 from 96.8 MT in 2013.

During the review period, fishing recorded improved performance with fish from fresh water sources being the major contributors to total fish landed in the country accounting for 94.6 percent. Lake Victoria and fish farming remained the two major sources of fresh water fish accounting for 76.7 and 14.4 percent of the total fish output, respectively in 2014. The quantity of fish landed marginally increased from 163,293 MT in 2013 to 167,924 MT in 2014. Total earnings from fish landed rose from Kshs. 21.3 billion in 2013 to Kshs. 22.2 billion in 2014.

Table 1.1: Value of Main Agricultural Exports (Kshs million)

Commodity	2012	2013	2014
Tea	101,441	104,648	93,996
Coffee	22,271	16,328	19,913
Horticulture	81,129	89,339	97,105
Fish and fish products	3,968	2,569	2,479

Source: MoALF and KNBS

Table 1.2: Summary of selected Key Performance Indicators

Indicator	2012	2013	2014
Agri.GDP Growth Rate (%)	2.9	5.7	3.5
Maize (90 Kgs) Mn Bags	41.9	40.7	39.0
Tea production ('000 Tones)	369.4	432.4	445.1
Coffee ('000 Tones)	50.0	39.8	49.5
Sugar Cane (000 Tones)	5,823	6,673	6,447
Horticulture exports (000 Tones)	205.7	213.8	220.2
Milk Intake (Mn Litres)	495.2	523.0	541.6
Fish Landed (MT)	154,213	163,293	167,924

Source: MoALF and KNBS

2.0 WORLD COMMODITY SITUATION

2.1 Cereals

According to FAO, world cereal production in 2014 was 2,523 million tons, 4.8 million tones lower than what was recorded in 2013. Wheat production achieved a new record, at 718.5 million tons, and coarse grains recorded a slight decline to 1,308 million tons. Unfavorable weather conditions lowered prospects for rice production, which recorded at 496.4 million tons, a decline of 0.4 percent compared to 2013 production.

Word cereal utilization in 2014 was recorded at 2,461.3 million tones. This was a growth of 2.2 percent (53.5 million tons) compared to 2013. Based on the latest forecasts for production and utilization, world cereal stocks at the close of the year increased to 627.5 million tons, up from 579.5 recorded at the close of 2013. Maize accounted for the biggest increase, followed by wheat, while rice stocks declined. The overall positive result in the cereal stocks-to-use ratio increased to 25.2 percent in 2014 from 23.5 percent in 2013, which was the highest since 2001.

Abundant supplies recorded in 2014 resulted in sharp decline in international prices of all cereals, with the exception of rice. However, the lower prices did not stimulate trade, as the major cereal importing countries held large supplies, resulting in depressed import demand. As a result, total cereal trade contracted by 5.0 percent to 337 million tons in 2014.

Table 2.1: World Cereals Situation (million tons)

Year	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15*
Wheat	682.0	655.3	699.4	660.6	717.1	718.5
Coarse grains	1,123.0	1135	1165.9	1153.9	1 310.7	1308
Rice	455.0	468.5	480.2	490.9	498.4	496.4
Total Production	**2,260.0**	**2258.8**	**2345.5**	**2305.4**	**2 526.1**	**2522.9**
Wheat	659.0	663.0	697.6	687.3	689.1	700.8
Coarse grains	1,113.0	1 155.8	1 161.5	1 165.2	1 236.5	1260.2
Rice	449.0	460.1	468.5	477.9	492.1	500.3
Total Consumption	**2,221.0**	**2278.8**	**2327.6**	**2330.4**	**2417.8**	**2461.3**
Wheat	202.0	192.7	189.2	158.2	176.5	192.4
Coarse grains	225.0	169.5	174.0	171	221.8	257.4
Rice	130.0	143.7	159.3	175.7	181.3	177.7
Total End Year Stocks	**557.0**	**505.9**	**522.5**	**504.9**	**579.5**	**627.5**

Source: FAO, GIEWS, * Projections as at November, 2014

2.2 Wheat

World production reached 718.5 tons in 2014, a marginal increase from the 2013 recorded output. Large production gains from the Russian Federation, as well as China and India, compensated for lower supplies from Australia, Canada and the United States.

World wheat trade in 2014 contracted to 150 million tons, 7.3 million tons (4.6 percent) below the recorded level of 2013. The reduction was attributed to lower import demand in Asia and Africa, more than offsetting a rise recorded in Europe. Total wheat utilization in 2014 was at 701 million tons, 1.7 percent higher than in 2013.

World wheat inventories reached 192.4 million tons by the end of 2014; this was the highest level since 2003. The world wheat stock-to-use ratio increased from 25.2 percent in 2013 to 26.9 percent in 2014. International wheat prices came under strong downward pressure, falling to its lowest levels in four years.

Table 2.2: International Prices for Wheat in US$/ton

Variety	2010/011	2011/012	2012/013	2013/014	2014/015
Us No. 2 Hard red winter	316	300	348	318	303
Us soft red	289	256	310	265	245
Argentina Trigo pan	311	264	336	335	304

Sources: International Grain Council and USDA

2.3 Coarse Grains

World coarse grains production reached 1,308 million tons in 2014 a slight decline from 2013 records. Maize output reached 1,018 million tons, 0.7 percent above the recorded output in 2013. The expansion in world maize production was mainly in China and the United States, as well as significantly higher outputs for the EU and the Russian Federation. World barley production was recorded at 140.2 million tons, 4 percent below 2013 level. The global sorghum production stood at 60.1 million tons, virtually unchanged from 2013.

World trade in coarse grains in 2014 declined to 147 million tons, down by 6.9 percent from the 2013 levels. Maize was responsible for the bulk of this decline, with total maize imports contracting by 4.5 percent to 114 million tons. World trade in barley slightly declining to 21 million tons, while global imports for sorghum declined to 7.5 million tons, down by 600 tons from the previous season's level. The global utilization of coarse grains in 2014 increased by 1.9 percent to 1,260 million tons. This was as a result of a slower rise in feed intake in the United States.

Based on global production and utilization, world stocks of coarse grains in 2014 increased to 257.4 million tons, 16 percent above their opening levels and the highest level since 1986. Good crop production and rising inventories continued to put downward pressure on international prices with maize prices in September falling as much as 25 percent below their corresponding level in 2013.

Table 2.3: International Prices for Coarse Grains (US$/ton)

Variety	2010/011	2011/012	2012/013	2013/014	2014/015
US Yellow Maize	185	281	311	217	193
Argentina Maize	196	269	278	219	200
US Sorghum	184	264	281	218	208

Sources: International Grain Council and USDA

2.4 Rice

After two seasons of below trend growth, global rice production fell marginally in 2014. However, global rice stocks were sufficient to cover more than a third of the 2015/16 projected world consumption. The decline in rice production was as a result of erratic weather conditions across all rice producing regions. A decline of 0.4 percent, to 496.4 million tons of milled rice equivalent was recorded in 2014. There were major output shortfalls, in absolute terms, recorded in India, Indonesia, Nepal, Sri Lanka and Thailand.

Taking advantage of the lower international prices and in anticipation of possible production setbacks, many countries imported rice from world markets in 2014. This strong import demand, combined with large supplies in major exporting countries, sustained a 7 percent increase in the volume of rice transactions in 2014 to record 39.7 million tons. World rice trade is expected to grow further in 2015, to about 40 million tons.

Table 2.4: International Prices for Rice (US$/ton)

Variety	2010	2011	2012	2013	2014
Thai 100 percent B second grade	518	565	588	534	436
Thai Broken	386	464	540	483	317
US Long grain 2.4 percent	510	577	567	628	586
Pakistan Basmati	881	1060	1137	1372	1376
Indica	227	242	231	223	206
Japonica	252	258	235	230	262
Aromatic	229	220	222	268	266

Source: FAO Rice price indices, 2014

2.5 Cotton

Global cotton stocks for 2014 increased as a result of lower consumption. A reduction in production was recorded in United States and Greece, with smaller revisions in several other countries. Global consumption was reduced by nearly 1.3 million bales, compared to 2013 which reflected lower utilization in China, India, Brazil, Pakistan, and Turkey. The projected world consumption growth rate of 3.3 percent was not realized since the cotton mills did not respond as expected to the lower cotton price. World ending stocks were recorded at over 108 million bales. As indicated in Table 2.5, global cotton output in 2014/15 reversed the consistent decline recorded since 2012/013 to record an increase of 2.5 percent.

Table 2.5: World Cotton Situation (Million Bales)

	2009/010	2010/011	2011/012	2012/013	2013/014	2014/015*
Production	101.63	115.28	124.13	123.023	116.52	119.4
Consumption	119.01	114.35	103.19	106.45	108.45	107.15
End of Year Stock	44.34	45.22	69	89.65	99.92	108

Source: USDA – WASDE,*Projection as at November, 2014

2.6 Sugar

The FAO forecasted world sugar production increase in 2014/15 and to surpass consumption for the fifth consecutive season. Falling sugar outputs in Brazil, China and Pakistan were anticipated to be offset by expansions in India, the EU and the Russian Federation.

World sugar consumption was set to grow in line with its long-term trend observed since 2010/011. This reflected an increased consumption in several developing countries as a result of falling domestic sugar prices as well as improved economic performance. The positive economic performance supported sugar demand, as manufacturing and food preparation sectors, which account for the bulk of aggregate sugar consumption, are normally influenced by the economic environment.

Falling international sugar prices were expected to stimulate global import demand and boost world sugar trade in 2014/15. Exports were anticipated to remain unchanged in Brazil, the world's largest sugar producer and exporter, but to rise in Thailand.

Table 2.6: World Sugar Situation

	2009/010	2010/011	2011/012	2012/013	2013/014	2014/015*
Production in million tons	160.5	166.3	173.5	179.6	180.2	179.5
Consumption in million tons	164.3	164.1	168.6	172.1	175.4	178.2
Price in Kshs per ton	29,139	47,678	49,000	41,000	39,900	36,900
Ending Stocks (million tons)	57.3	56.5	59.3	72.0	74.59	75.02

Source: International Sugar Association and USDA. *Projections.

2.7 Coffee

Global coffee production in 2013/014 was estimated at 8.52 million tons compared to 8.80 million tons recorded in 2012/013. This represented a 3.2 percent reduction which was as a result of outbreak of coffee leaf rust disease in some major coffee growing countries in Central America. Prospects for 2014/015 are not so good as a result of drought in Brazil and lower output in Indonesia.

Production in Africa fell slightly to 0.962 million tons, or 11.3 percent of the world total production. Ethiopia recorded the largest production in the region, at 0.39 million tons, followed by Uganda at 0.222 million tons and Côte d'Ivoire 0.114 million tons. Kenya production was relatively unchanged at 0.051 million tons.

Total demand in calendar year 2013 was estimated at 8.766 million tons, and a growth of 2.1percent per annum was recorded over the preceding four years. This growth was mostly driven by increased demand in exporting countries and new consuming countries, which have registered an average annual growth rate of 3.1percent and 2.7percent respectively since 2010.

After declining almost continuously in 2011/12 and 2012/13, coffee prices recovered strongly in 2013/14. Early in the year, Brazil suffered one of its worst droughts on record, leading the International Coffee Organization (ICO) composite price to soar from under US$ 2/kg in mid-November 2013 to a high of US$ 3.6 in April 2014. The ICO composite price for the year 2013/14 averaged US$ 2.82/kg.

Coffee stocks and inventories were mostly higher in 2013/14 compared to previous seasons. Stocks in coffee producing countries increased from 1.281 to 1.36 million tons at the end of the crop year, due to good stocks held by Brazil and Vietnam. Importing countries also replenished their coffee inventories, up to 1.398 million tons by September 2014, from 1.26 million tons in September 2013.

Table 2.7: Coffee Production by Exporting Countries

Production	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14*
Total Production by exporting countries (Million tons)	7.4	8.03	7.93	8.06	8.80	8.52
Production in Kenya(Million tons)	0.0378	0.03846	0.04542	0.0525	0.05178	0.051
Average composite prices (Kshs./ton)	201,265.8	256,197.6	366,078.6	272,031.6	250,947.4	279,468

Source: International Coffee Organization * Projections

2.8 World Fertilizer Situation

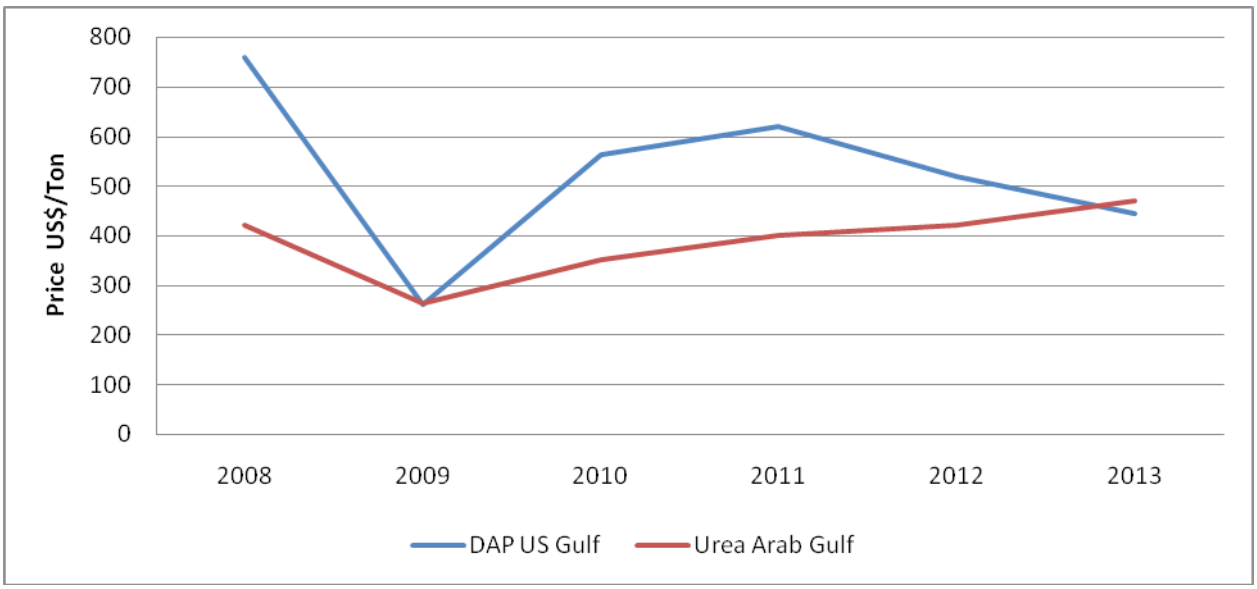


Figure 2.1:Trend of some World Fertilizer Prices
Source: International Fertilizer Association

Global potash exports from producing countries totaled approximately 53 million tons in 2014 as significant market uncertainty during the second half of the year impacted negatively on demand. It is estimated that global consumption exceeded shipments for the second consecutive year as usage of the fertilizer for agriculture was not affected by uncertainty in market conditions that prevailed.

With low global opening inventories and higher projected consumption, global exports increased in 2014. Demand in the first half of the year was particularly robust, increasing by more than 10 percent compared to first-half of 2013 to approximately 32.5 million tons. With an expectation of strong demand through the balance of the year, it was expected that exports in 2014 would surpass the previous record and reach more than 58 million tons.
Global demand for nitrogen grew at a historically consistent rate, this was caused by strong demand from the US, Latin America and India. However, export supply had been more unpredictable, which has contributed to volatile nitrogen markets in recent years.

Ammonia production from the Former Soviet Union (FSU) countries was relatively stable over the previous three years. This was supported by strong global markets. Russia and Ukraine were the largest producers of ammonia, accounting for 66 percent and 20 percent, respectively, of the regional total.

During the period under review, Ukrainian production was affected by political tension, uncertain natural gas supply and pricing terms. The country's production was estimated to have dropped to approximately 50 percent of typical levels. However, ammonia production in Russia was not significantly impacted by regional tensions or trade sanctions.

2.9 World Fish Production Situation

Global fish production grew steadily in the previous five decades from a low of 20 million tonnes in 1950 to 165.9 million tonnes in 2014 (Table 2.8). World per capita apparent fish consumption increased from an average of 9.9 kg in the 1960s to 20.0 kg in 2014. This impressive development has been driven by a combination of population growth, rising incomes and urbanization, and facilitated by the strong expansion of fish production and more efficient distribution channels.

Total global capture production from both inland and marine of 93.7 million tonnes in 2011 was the second-highest ever, slightly below the 93.8 million tonnes of 1996. The year 2013 had a new maximum production of 92.4 million tonnes while in 2014 the production declined slightly by 0.4 percent to 92.0 million tonnes.

World aquaculture production continued to grow, albeit at a slowing rate. According to the latest available statistics collected globally by FAO, world aquaculture production attained another all-time high of 73.9 million tonnes of food fish in 2014 a growth of 4.9 percent from 70.5 million tonnes in 2013. The term "food fish" includes finfishes, crustaceans, molluscs, amphibians, freshwater turtles and other aquatic animals (such as sea cucumbers, sea urchins, sea squirts and edible jellyfish) produced for the intended use as food for human consumption. The global trend of aquaculture development gaining importance in total fish supply remained uninterrupted. Farmed food fish contributed 44.5 percent of the total 165.9 million tonnes of fish produced by capture fisheries and aquaculture in 2014.

Table 2.8: World Fish Production and Utilization

Production	2007	2008	2009	2010	2011	2012	2013	2014	Change 2014
	(Millions of tonnes)								Over 2013
Total Capture	90.8	90.2	90.1	89.1	93.7	91.3	92.4	92.0	-0.4
Total Aquaculture	49.9	52.9	55.7	59.1	62.0	66.6	70.5	73.9	4.9
Total	140.7	143.1	145.8	148.2	155.7	157.9	162.9	165.9	1.9
UTILIZATION									
Per capita food fish supply (kg)	17.6	17.9	18.1	18.5	18.7	19.2	19.7	20.0	1.4

Source: FAO The State of World Fisheries and Aquaculture 2014

2.10 World Livestock Production

Livestock products consumption and trade in the world continued to play a significant role in providing food and livelihood. Consequently, there was a continued and steady significant increase in their consumption and associated trade. This was mainly due to increased population and urbanization creating increased demand of livestock products.

2.10.1 Meat

Table 2.9: World Meat Market (Million tons)

Year	2009	2010	2011	2012	2013	2014*
Production						
Bovine	65	65	67.3	67.4	67.5	68.3
Poultry	93.6	98.1	102.6	104.9	106.8	107.6
Pig	106.3	109.2	114.8	112.7	114.6	116.1
Ovine	12.9	13	13.4	13.4	13.7	14
Total	**283.6**	**290.8**	**298.1**	**304.1**	**308.3**	**311.6**
Trade						
Bovine	7.2	7.6	7.9	8.1	8.4	9.3
Poultry	11.1	11.6	12.8	13.1	13.0	13.5
Pig	5.8	6.1	7.3	7.5	7.4	7.5
Ovine	0.9	0.9	0.8	0.8	1.0	1.0
Total	**25.2**	**26.5**	**29**	**29.7**	30.1	**31.6**

Source: "*"=projections FAO, Global Market Analysis

World meat production grew modestly in 2014 to 311.6 million tonnes compared to 308.3 million tons in 2013. Prices at the international level remained high for the past three years, with the FAO Meat Price Index generally oscillating around 185 points. Since April 2014, the index registered further upward movement, reaching 208 points in September. Global meat expanded modestly in 2014, to 31.6 million tons compared to 30.1 million tons in 2013. This was due to a various factors including; production constraints in some of the principal exporting countries, animal health concerns and trade barriers.

2.10.2 Milk

Table 2.10: World Dairy Market (Million tons)

Year	2009	2010	2011	2012	2013	2014*
Total Milk Production	**701.4**	**713.6**	**742.2**	**765.6**	**780.3**	**792.0**
Total Trade	**44.3**	**47**	**49.7**	**53.4**	53	**71.9**

Source: "*" = projections FAO, Global Market Analysis,

World milk production grew by 2.4 percent in 2014, a rate similar to previous years, reaching 792 million tonnes. World trade in milk continued to rise from 53 million tons in 2013 to 71.9 million tons in 2014. This is associated with a favourable milk production outlook in most of the major exporting countries and continued strong demand. Asia was expected to remain the main centre for rising international demand in 2014. There were increased purchases for China, Indonesia, Malaysia and Thailand. Asia, Saudi Arabia, the United Arab Emirates, Japan, the Philippines and Singapore remained important markets. As for exports, two principle suppliers, New Zealand and the European Union, recorded an increase in sales.

3.0 CROPS PERFOMANCE

This chapter contains national time-series data and corresponding analysis on food, horticultural and industrial crops. There has been mixed performance by crops recording both increases and reduction in production over time. The analysis mainly focus on production, consumption and prices.

3.1 Food Crops

3.1.1 Maize

Maize is the most important staple food crop in the country and contributes significantly to food security. In 2014, the national maize production slightly decreased by 2.2 percent from 39.9 million bags achieved in 2013 to 39.0 million bags (90 Kgs). The marginal decline is attributed to poor rainfall distribution that affected Central, Eastern and Coastal regions which normally produce a significant proportion of the crop. However, production of the crop was stabilized by fairly good weather patterns in North Rift, Western and Nyanza regions during the long rains season. The decline was also as a result of Maize Lethal Necrosis (MLN) disease that affected the crop in Rift Valley region. Western and Nyanza regions recorded a consistent improved maize production in the last three years. Similarly, the area under production decreased marginally from 2.12 million ha in 2013 to 2.1 million ha in 2014. Overall, maize yields per ha remained fairly constant since 2010.

Table 3.1: Maize

Year	2010	2011	2012	2013	2014
Area (ha)	2,008,346	2,131,887	2,159,321	2,123,138	2,116,141
Production					
90 kg bag (dry maize)	38,494,899	37,520,694	41,665,332	39,918,751	39,035,228
Tons (dry maize)	3,464,541	3,376,862	3,749,880	3,592,688	3,513,171
Esti 90 kg bags (green maize)	…	4,662,960	2,999,290	2,830,776	2,636,343
Tons (green maize)	…	419,666	269,936	254,770	237,271
Yield (90 kg dry/ha)	19.2	17.6	19.3	18.8	18.4
Price					
Farm Gate (90 kg bag)	1,721	2,500	3,396	3,133	3,318
Wholesale (90 kg bag)	1,619	2,341	3,133	2,861	2,928
Total Value (billion)	75	88	131	114	114
Import ('000 tons)	229.6	359.2	324.6	93.4	458.9
Export ('000 tons)	2.6	1.2	0.5	1.2	1.7

Source: "…" = Data not yet available Directorate of Crops

3.1.2 Wheat

Wheat production decreased by 23 percent from 4,996,012 bags (90kg) in 2013 to 3,651,528 bags in 2014. The yield also decreased by 19 percent from 30.7 bags/ha to 24.8 bags /ha. The reduced production and yields was attributed to poor rainfall experienced during the year in wheat growing zones especially the Narok County, which on average accounts for 45 percent of national wheat production. The demand for wheat products has consistently increased over the last five years leading to an increase in wheat imports.

Table 3.2: Wheat

Year	2010	2011	2012	2013	2014
Area (ha)	160,043	131,509	148,703	162,900	147,210
Production					
90 kg bag	5,688,817	2,983,130	4,910,492	4,996,012	3,651,528
Tons	511,994	268,482	441,944	449,641	328,637
Yield (90 kg/ha)	35.5	22.7	33.0	30.7	24.8
Farm Gate (90 kg bag)	2,914	3,017	3 ,622	3,745	3,495
Wholesale (90 kg bag)	2,700	2,706	3,829	4,012	4,080
Total Value (billion)	15.4	8.1	18.8	20.0	14.9
Import (Tons)	848,100	1,002,710	1,044,848	1,033,054	1,225,690

Source: Directorate of Crops

3.1.3 Barley

Barley is generally grown for malting in beer companies under contractual arrangements. Barley production increased by 13 percent from 640,783 bags in 2013 to 726,687 bags in 2014 while the area increased by 25 percent from 17,225 ha in 2013 to 21,532 ha in 2014. Increased production could be attributed to the growing demand and the increased area under crop.

Table 3.3: Barley

Year	2010	2011	2012	2013	2014
Area (ha)	25,123	18,832	16,548	17,225	21,532
Production					
90 kg bag	713,540	724,835	804,731	640,783	726,687
tons	64,219	65,235	72,426	57,671	65,402
Yield (90 kg/ha)	28.4	38.5	48.6	37.2	33.7

Source: SDA

3.1.4 Rice

Rice production declined from 125,256 MT in 2013 to 112,263 MT in 2014. This decrease was due to insufficient rainfall and water for irrigation in the national irrigation schemes. Area planted increased from 29,630 ha in 2012 to 31,349 ha in 2013, but declined further to 28,390 ha in 2014, mainly due to a dry spell that affected upland rice.

Table 3.4: Rice

Year	2010	2011	2012	2013	2014
Area (ha)	29,099	28,034	29,630	31,349	28,390
Production					
tons	110,494	111,229	138,204	125,256	112,263
Yield (tons/ha)	3.8	4.0	4.7	4.0	4.0
Consumption (tons)	410,000	520,000	540,000	509000	564000
Wholesale price (50 kg/bag)	3,750	3,153			
Import (tons)	398,000	408,771	415,535	...	…

Source: SDA, "..."= data not yet available,

3.1.5 Sorghum

Sorghum production progressively increased during the last three years period (2012- 2014) especially in the ASAL. This was attributed to the Ministry's efforts to revitalize the crop as one of the Traditional High Value Crops (THVC), and ready market from beer industry.

Sorghum production increased by 5 percent from 1,876,192 bags (90 kg) in 2013 to 1,972,810 bags 2014. Production was highest in Eastern and Nyanza regions with 761,414 and 757,862 (90 kg bags) respectively. The two regions produced about 72 percent of the total production. Although the area under production reduced, yields per hectare continued to rise for the last three years from 7 bags/ha in 2011 to a high of 9.2 bags (90 kg) in 2014.

Table 3.5: Sorghum

Year	2010	2011	2012	2013	2014
Area (ha)	225,782	254,125	223,799	223,659	213,520
Production					
90 kg bag	1,822,950	1,776,412	1,851,411	1,876,192	1,972,810
tons	110,494	111,229	166,627	168,857	177,553
Yield (90 kg/ha)	8.1	7.0	8.3	8.4	9.2
Wholesale (90 kg bag)	2,576	2,298	3,686	3,582	3,820
Total Value (billion)	4.70	4.08	6.82	6.72	7.54

Source: SDA

3.1.6 Millet

Millet production increased over the five year period (Table 3.6). This could be attributed to increased awareness leading to adoption of drought tolerant/high yielding varieties. The crop registered a 37.8 percent increase in production from 1,431,311 bags in 2013 to 1,972,810 bags in 2014. Although the area under the crop declined by 17.5 percent in 2014 to a low of 138,829 ha from 168,291 ha in 2013, millet continued to thrive well in the marginal areas of the Eastern and Nyanza regions.

Table 3.6: Millet

Year	2010	2011	2012	2013	2014
Area (ha)	99,124	111,271	118,289	168,291	138,829
Production					
90 kg bag	598,678	815,509	832,398	1,431,311	1,972,810
tons	110,494	111,229	138,204	125,256	1,442,761
Yield (90 kg/ha)	6.0	7.3	7.0	8.5	14.2
Wholesale price (Kshs/90 kg bag)	4,689	5,204	5,720	5,933	6,624

Source: "…"=data not available SDA

3.1.7 Beans

Area under beans production was 1,052,408 ha in 2014 representing a marginal decline of 2.9 percent compared to 1,083,604 ha in 2013 (Table 3.7). Consequently, production also declined, though by a higher margin of 13.8 percent to register 6.8 million bags (90 kg) down from 7.9 million bags produced in 2013. This decline could be attributed to unfavorable weather conditions which resulted to lower yield of 7.3 bags/ha in 2013 compared to 6.5 bags/ha in 2014.

Table 3.7: Bean

Year	2010	2011	2012	2013	2014
Area (ha)	689,377	1,036,738	1,056,046	1,083,604	1,052,408
Production					
90 kg Bag	4,339,980	6,418,596	6,919,544	7,938,805	6,844,357
tons	390,598	577,674	622,759	714,492	615,992
Yield (90 kg/ha)	6.3	6.2	6.6	7.3	6.5
Consumptions (90 kg bag)	...	7,200,000	8,320,000	6,500,000	6,555,556
Price					
Retail (kg)	59.89	75.83	78.03	71.81	76.82
Wholesale (90 kg bag)	4,343	4,693	5,543	5626	6030
Total Value (billion)	**18.8**	**30.1**	**38.4**	**44.7**	**42.3**
Estimated import (tons)	…	1,000	1,000	1,000	1,000

Source: ***SDA***

... = data not yet available

3.1.8 Cow Peas

Cowpeas production registered an increase from 1,486,180 in 2013 to 1,540,813 bags (90kg) in 2014. This could be attributed to the corresponding consistent increase in area under production and the promotion of drought tolerance crops by the Ministry and its partners. However, there was a minor decrease in yields from 5.9 bags/ha in 2013 to 5.5 bag/ha in 2014.

Table 3.8: Cowpeas

Year	2010	2011	2012	2013	2014
Area (ha)	168,273	197,980	212,730	250,798	281,877
Production					
90 kg bag	532,810	668,361	1,254,976	1,486,180	1,540,813
tons	47,953	60,152	112,948	133,756	138,673
Yield (90 kg/ha)	3.2	3.4	5.9	5.9	5.5

Source: SDA

3.1.9 Green Grams

The area under green grams increased over the years from 147,352 ha in 2010 to 259,167 ha in 2014 leading to increased production from 680,528 bags in 2010 to 1,345,294 bags in 2014. Both production and consumption has consistently increased over time.

Table 3.9: Green Grams

Year	2010	2011	2012	2013	2014
Area (ha)	147,352	159,910	188,416	258,407	259,167
Production					
90 kg bag	680,528	780,283	1,020,270	1,075,554	1,345,294
Yield (90 kg/ha)	4.6	4.9	5.4	4.2	5.2
Estimated Consumption (90 kg bag)	…	650,000	1,066,667	1,053,374	1,412,558

Source: SDA

... = data not yet available

3.1.10 Pigeon Peas

The area under pigeon peas increased modestly by 7 percent from 256,396 ha in 2013 to 276,124 ha in 2014. There was however a disproportionate increase in production in 2014 at 2.2 million bags, a 18 percent increase from the 2013. This was attributed to increase in yield, which was as a result of favourable weather conditions. There was an observed trend of yield increase from 2011, with the peak being registered in 2014.

Table 3.10: Pigeon Peas

Year	2010	2011	2012	2013	2014
Area (ha)	158,746	138,708	271,136	256,396	276,124
Production					
90 kg bag	1,147,040	936,812	1,862,478	1,840,397	2,181,380
Yield (90 kg bag /ha)	7.2	6.8	6.9	7.2	7.9

Source: SDA

3.1.11 Sweet Potato

There was a marginal increase of 4.4 percent in area under the crop from 58,509 ha in 2013 to 61,067 ha in 2014. Production followed a similar trend, increasing by 4.7 percent from 729,645 MT in 2013 to 763,643 MT in 2014. Yields remained constant at 12.5 MT/ha in 2013 and 2014.

Table 3.11: Sweet Potato

Year	2010	2011	2012	2013	2014
Area (ha)	42,312	61,902	66,971	58,509	61,067
Production					
tons	383,590	759,471	859,549	729,645	763,643
Yield (tons/ha)	9.1	12.3	12.8	12.5	12.5
Consumption (tons)		345,000	345,000	1,035,000	1,035,000
Wholesale (98 kg bag)	1904	2668	3049	2816	2882
Total Value (billion)	**7.4**	**20.7**	**26.7**	**20.9**	**22.5**

Source: SDA

3.1.12 Cassava

The area under production increased by 10 percent from 2012 to 2013 but decreased marginally from 65,634 ha in 2013 to 63, 725 ha in 2014, a decrease of 2.9 percent. Despite the decrease in production area there was a marginal increase in production volume by 0.4 percent from 930,922 tons in 2012 to 935,089 tons in 2013 owing to 11.9 percent increase in average yields from 12.7 MT /ha to 14.2 MT /ha. The yields however declined marginally by 5.4 percent from 14.2 in 2013 to 13.5 MT/ha in 2014. The general increase in productivity from 2011 - 2014 was attributed to availability of clean planting materials of high yielding varieties through the efforts of the various programmes in the Ministry, including THVC programme and the East African Agricultural Productivity Programme.

Table 3.12: Cassava

Year	2010	2011	2012	2013	2014
Area (ha)	61,573	60,473	73,144	65,634	63,725
Production					
tons	323,389	679,167	930,922	935,089	858,461
Yield (tons/ha)	5.3	11.2	12.7	14.2	13.5
Consumption (tons)		659,000	879,000	1,079,000	1,079,000
Wholesale (99 kg bag)	1,471	1,609	2,046	2006	1947
Total Value (billion)	**4.8**	**11.0**	**19.2**	**18.9**	**16.8**

Source: SDA

3.1.13 Irish Potatoes

The area under Irish potatoes in 2014 was 115,604 ha yielding 1.6 million tons valued at Kshs 22.84 billion. Compared to 2013, the area in 2014 increased by 11 percent while the quantity decreased by 2 percent due to unfavorable weather with the value reducing by 752 million. The price of Irish potatoes per kg declined from an average of Kshs 31.1 in 2013 to Kshs 30.9 in 2014 resulting to a reduction in value from Kshs 23.6 billion to Kshs 22.84 billion. The main challenge in Irish potato production has been limited use of certified seeds, resulting to poor performance.

Table 3.13: Irish Potatoes

Year	2010	2011	2012	2013	2014
Area (ha)	121,542	135,924	99,475	104,560	115,604
Production					
tons	2,725,936	1,846,576	1,436718	1,667,690	1,626,027
Yield (tons /ha)	22.4	13.6	12.3	12.4	11.7
Price					
Retail (kg)	18.9	29.2	36.4	31.1	30.9
Wholesale (110 kg bag)	1,383	2,542	3,765	2,989	3100
Total Value (billion)	**...**	**...**	18.9	23. 6	22.8

Source: AFFA

... = data not yet available

3.1.14 Cocoyam

The area under production increased by 27.4 percent from 2,869 ha in 2012 to 3,654 ha in 2013 but dropped in 2014 by 41 percent to 2,155 ha. Total production increased by 69.7 percent from 26,716 tons in 2012 to 45,346 tons in 2013. However, the production reduced by 39 percent from 45,346 tons in 2013 to 27,619 in 2014. This could be attributable to decrease in area under production.

Table 3.14: Cocoyam

Year	2010	2011	2012	2013	2014
Area (ha)	2,774	4,549	2,869	3,654	2,155
Production (tons)	19,054	30,635	26,716	45,346	27,619
Yield (ton)	6.8	6.7	9.3	12.4	12.8
Value (Kshs)	…	…	603,701,700	994,931,300	614,164,350

Source: SDA

... = data not yet available

3.1.15 Yams

The area under production increased by 21.2 percent from 998 ha in 2013 to 1,210 ha in 2014. Total production increased by 47.6 percent from 13,569 tons in 2013 to 20,028 tons in 2014. This is could be attributable to adoption of THVC through the programme promoted by the Ministry.

Table 3.15: Yams

Year	2010	2011	2012	2013	2014
Area (ha)	1,224	1,057	874	998	1,210
Production (tons)	8,035	9,635	10,143	13,569	20,028
Estimated Farm Gate (Kshs/ton)	...	…	43,327	56,681	37,709
Yield (ton)	6.6	9.1	11.6	13.6	16.5
Value (Kshs)	…	…	439,470,000	769,118,500	755,246,000

Source: SDA

... = data not yet available

3. 2 Oil Crops

3.2.1 Macadamia

In 2014, the area under macadamia nuts was 6,059 ha with a production of 42,160 tons valued at Kshs.3.3 billion. In 2014, the area, production and value increased by 13 percent, 21 percent and 43 percent respectively, as compared to 2013. This is attributable to improved prices. Further the organization of farmers into producer business groups and establishment of produce bulking and collection centres improved both the marketing channels and farm gate prices. A total of 5,368 tons of macadamia was exported in 2014 valued at Kshs. 1.74 billion.

Table 3.16: Macadamia

Year	2010	2011	2012	2013	2014
Area (ha)	3950	4680	4947	5366	6059
Production (tons)	19,229	27,917	31,688	34,760	42161
Yield (tons /ha)	4.9	6.4	6.4	6.47	6.95
Farm Gate Price(Kshs)	65	51	70.9	70.8	77.9
Total Value (million)	1250.4	1427.1	1920.3	2459.8	3284.1

Source: AFFA

Table 3.17: Oil Crops Production

Crop	Year	2013	2014
Coconut	Area (Ha)	176,699	176,699
	Production		
	Number of Pieces	246,416,330	258,737,147
	Esti. Tons*	123,208	129,369
	Yield	0.69	0.73
	Value (Million KES)	3,089,117,564	3,089,117,564
Cashew Nuts	Area (Ha)	21,611	21,611
	Production (MT)	21,086	22,140
	Yield (MT)	0.97	1.024
	Value (Million KES)	861	904

Source: AFFA

Table 3.18: Oil Crops Export and Imports

Year	2014				2013			
Product	**Imports (ton)**	**Export (ton)**	**Imports in million (KES)**	**Exports in million (KES)**	**Imports (ton)**	**Export (ton)**	**Imports in million (KES)**	**Exports in million (KES)**
Sunflower	3,803	830	395	147	...	...	...	...
Pistachio nuts	5	145	3.3	0.13	...	...	...	...
Cashewnuts	1,196	349	46	139	...	...	...	...
Groundnuts	917	37.52	13.5	2.3	...	...	...	...
Macadamia	478.7	5,367.9	25.7	1,742.9	...	...	...	...
Desiccated coconut	86.3	15	15.6	2.13	64.3	1.8	9.9	0.5
Coconut milk/cream	4.72	-	0.61	-	113.46	0.24	23.04	0.06
Crude coconut oil	309.5	-	40	-	120.76	38	14.37	21.28
Coconut cosmetic oil	34.14	-	1.25	-	44.12	-	4.4	-
Coconut cooking oil	129.96	27.23	5.41	98.83	0.4	-	0.39	-
Crude palm oil	9,652.40	-	1,006.40	-				
Coco peat	4,349.59	-	130.86	-	2,431.40	-	98.09	-
Coir rubberized mats	4,261	-	2.64	-				
Mature coconuts (pcs)	-	2,175,117	-	13.96	-	177.33	-	0.02
Shell powder	-	-	-	-	69.17	-	2.14	-

Source: AFFA "..."=data not yet available

- = Category not applicable

3.3 Horticulture Production and Exports

This section on horticulture production analysis covers the performance in vegetables, fruits and cut flowers.

3.3.1 Tomato

During the year under review, the area under tomatoes was 24,074 ha. The area increase from 20,985 ha in 2013 to 24,074 representing a 15 percent increase. The national production increased from 383,868 MT to 400,204 Mt while value increased from KES11.65 Billion to KES11.8 Billion. Tomato was mainly produced in Kajiado (14 percent), Bungoma (14 percent), Kirinyaga (10 percent) and Makueni (7 percent).

In Kirinyaga and Kajiado, tomato is produced under irrigation schemes namely Mwea and Namelock schemes respectively. Green house tomatoes production has picked up with farmers. However, the main challenge has been bacterial wilt which caused some green houses to be abandoned, occasioning heavy loses to farmers.

Table 3.19: Tomato

County	Area 2012 (ha)	Production 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Production 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Production 2014 (Ton)	Value 2014 (Kshs)
Kajiado	1,603.00	35,937.00	921,000,007.90	1,668.00	50,884.00	961,525,000.00	1,680.00	47,368.00	1,624,120,000.00
Bungoma	1,344.00	39,232.00	1,221,390,000.00	1,474.00	41,568.00	1,227,503,000.00	1,700.00	50,399.00	1,610,977,500.00
Kirinyaga	1,903.20	59,464.00	1,159,215,000.00	1,795.50	30,774.00	750,080,000.00	1,647.50	48,560.00	1,155,700,000.00
Makueni	430.74	17,581.58	650,740,200.00	485.80	22,560.10	990,610,200.00	558.00	21,096.00	856,890,020.00
Kiambu	963.50	18,029.00	811,355,000.00	691.00	9,169.00	418,652,236.22	963.50	18,029.00	811,355,000.00
Tranzoia	480.00	9,270.00	129,060,000.00	623.20	17,395.20	302,240,000.00	628.00	14,848.00	416,000,207.00
Machakos	547.00	10,335.40	221,686,220.00	723.80	11,548.00	323,210,146.00	446.70	6,188.50	355,877,220.00
Kisii	876.00	15,590.00	331,150,000.00	951.00	16,985.00	363,850,000.00	937.20	16,664.00	350,630,000.00
Nakuru	509.25	6,745.00	601,523,826.00	495.20	8,668.00	515,594,478.00	633.30	17,510.90	346,710,000.00
Kisumu	822.00	12,218.93	346,598,000.00	1,537.00	14,307.00	444,347,600.00	1,477.00	16,720.00	328,133,058.00
Bomet	748.00	12,909.00	239,305,000.00	798.00	14,945.50	333,480,000.00	644.00	10,750.00	319,432,000.00
Elgeyo Marakwet	297.00	6,525.00	152,573,163.50	290.00	6,309.20	153,399,114.06	315.00	9,113.00	305,260,000.00
Homabay	1,000.00	6,004.00	165,602,000.00	1,052.00	9,543.00	300,350,000.00	897.00	9,051.00	292,128,250.00
Embu	194.00	5,218.00	136,540,000.00	255.00	7,375.00	185,415,000.00	237.00	7,746.00	274,825,000.00
Kericho	501.50	7,566.00	210,910,000.00	445.20	5,855.00	945,130,000.00	381.00	4,782.00	239,100,000.00
Tana River	128.00	5,805.00	145,125,000.00	140.00	6,325.00	158,125,000.00	248.00	9,190.00	233,800,000.00
Narok	175.00	2,213.00	156,400,846.10	233.00	3,532.00	211,226,377.00	245.60	3,307.00	214,501,394.00
Meru	375.00	8,820.00	290,900,000.00	344.00	11,830.00	405,150,000.00	254.00	4,775.15	208,705,015.00
Taita Taveta	138.00	5,024.80	159,458,578.00	222.30	9,889.70	396,966,543.40	218.50	5,187.30	164,615,404.00
Muranga	1,032.50	6,807.00	157,497,000.00	1,039.70	6,814.50	150,991,000.00	1,019.90	7,179.40	153,315,000.00
Laikipia	202.00	5,157.00	170,745,000.00	467.00	7,187.00	206,650,000.00	307.50	5,025.75	148,540,000.00
Siaya	873.00	6,430.00	122,800,000.00	835.00	6,295.00	138,405,000.00	819.00	7,118.00	147,328,000.00
Migori	1,204.00	7,800.00	34,800,000.00	1,160.00	6,950.00	80,285,750.00	1,179.00	8,590.00	142,800,000.00

County	Area 2012 (ha)	Production 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Production 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Production 2014 (Ton)	Value 2014 (Kshs)
Nyamira	291.00	5,150.00	135,770,000.00	321.50	5,828.00	178,407,865.00	308.00	6,048.00	141,502,000.00
Uasin Gishu	117.75	4,370.00	181,579,687.00	127.00	3,660.00	65,250,000.00	147.00	4,250.00	130,300,000.00
Busia	451.00	3,859.00	110,900,000.00	471.00	4,067.00	107,606,250.00	507.00	4,702.00	124,875,000.00
Baringo	127.50	1,138.00	23,664,000.00	122.40	2,631.10	59,643,300.00	181.50	2,638.50	100,505,000.00
Tharaka Nithi	45.50	1,621.00	31,280,000.00	111.00	4,814.00	88,860,000.00	120.50	3,230.00	87,050,000.00
Kitui	103.00	2,054.00	68,827,632.00	128.00	2,404.00	68,203,340.00	102.00	1,575.00	63,000,000.00
Nandi	96.40	1,881.00	81,160,500.00	117.00	2,028.00	69,000,000.00	114.00	2,114.00	62,105,000.00
Isiolo	143.70	2,266.00	56,268,000.00	331.00	4,546.00	116,082,000.00	148.00	4,400.00	61,028,000.00
Kwale	23.00	604.00	15,075,000.00	20.00	555.00	13,900,000.00	56.00	2,031.00	60,930,000.00
Mandera	121.40	1,064.00	49,610,000.00	131.80	1,111.50	50,310,000.00	167.41	1,022.60	56,200,000.00
Kakamega	148.50	1,670.20	64,725,000.00	115.60	1,039.42	39,543,500.00	118.50	1,386.40	53,750,400.00
Pokot	110.00	1,458.00	98,060,000.00	91.50	1,290.25	49,712,500.00	90.00	1,026.00	46,800,000.00
Garissa	387.00	6,620.00	264,800,000.00	341.00	2,609.00	88,200,000.00	283.00	1,659.00	34,010,000.00
Kilifi	84.20	4,088.00	102,200,000.00	215.50	5,130.00	99,350,013.20	315.50	7,235.00	21,000,143.28
Nyeri	170.00	2,303.00	31,810,000.00	160.70	2,570.20	30,411,000.00	166.80	2,665.30	16,769,835.40
Lamu	274.50	11,216.66	448,666,200.00	246.00	10,155.54	454,221,600.00	27.50	300.00	15,000,000.00
Turkana	36.00	76.00	5,040,000.00	29.00	296.00	18,120,000.00	27.00	144.00	9,000,008.00
Nyandarua	12.22	468.00	13,756,000.00	25.26	600.20	11,240,000.00	5.52	269.60	7,066,816.00
Vihiga	5.00	65.00	3,900,000.00	7.00	82.00	5,760,000.00	6.00	86.00	4,886,000.00
Wajir	18.13	34.86	2,520,000.00	18.51	48.67	3,795,000.00	19.71	57.49	4,036,000.00
Samburu	9.20	18.40	1,292,000.00	10.00	21.60	1,341,000.00	8.70	15.50	1,120,000.00
Mombasa	5.00	23.00	510,000.00	8.50	36.00	1,140,000.00	7.00	29.00	890,000.00
Nairobi	-	-	-	44.10	606.00	15,120,000.00	35.10	479.60	132,380.00
Total	**19,185.94**	**364,105.33**	**10,385,512,610.50**	**20,985.87**	**383,868.68**	**11,651,669,812.88**	**24,074.14**	**400,204.03**	**11,802,700,044.68**

Source: AFFA, Horticulture

3.3.2 Cabbage

Cabbage is grown in the wet areas of the country and is one of the highly consumed vegetables. In 2014, the country produced 442,569 MT of cabbages with a total value of Kshs 4.9 billion. The leading producer of cabbage in the country is Meru County accounting for 45 percent of total cabbage production in the country. Other counties are Nyandarua, Kiambu and Bungoma accounting for 22 percent, 13 percent 10 percent and 8 percent respectively. As compared to 2013, the area declined by 5 percent but the production went down by 2 percent due to the favourable weather conditions in the production areas. The value declined by 4 percent (Kshs 212 Million) due to drop in prices from Kshs 11 to Kshs 10 per kg.

Table 3.20: Cabbage

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Meru	2,036.20	95,831.00	988,815,000.00	2,240.32	106,762.80	1,087,128,000.00	1,958.00	97,560.00	1,095,600,000.00
Nyandarua	2,334.00	63,575.00	704,950,000.00	2,205.00	56,830.00	700,970,000.00	2,326.00	63,420.00	657,785,792.00
Kiambu	1,830.00	47,735.00	515,330,000.00	1,619.70	41,768.00	512,358,780.00	1,830.00	47,735.00	515,330,000.00
Bungoma	994.50	28,613.00	271,880,000.00	1,168.00	30,944.00	354,710,000.00	1,298.00	36,379.00	394,680,000.00
Kisii	891.50	23,987.00	274,817,000.00	1,008.00	27,397.00	310,164,000.00	988.00	26,971.00	306,650,000.00
Bomet	1,006.00	27,619.00	282,900,000.00	1,121.00	31,810.00	343,790,000.00	809.00	23,865.00	273,870,000.00
Nakuru	848.75	18,323.00	125,291,164.00	971.00	22,333.00	149,701,818.00	1,213.00	39,159.00	241,572,000.00
Narok	217.00	5,026.00	41,701,523.50	280.00	19,085.00	236,657,650.00	365.60	14,073.40	183,387,670.00
Elgeyo Marakwet	1,130.50	15,338.00	132,532,058.00	1,634.00	28,016.00	299,102,773.00	972.00	16,262.00	174,960,000.00
Uasin Gishu	366.00	17,012.00	161,579,545.50	388.00	14,040.00	148,500,000.00	336.00	14,788.00	145,782,500.00
Nyamira	393.00	7,292.00	113,200,000.00	541.00	8,914.00	128,144,000.00	510.80	9,774.00	143,648,000.00
Kericho	678.50	16,630.00	180,602,000.00	641.10	18,660.00	217,730,000.00	383.00	7,280.00	112,125,000.00
Tranzoia	364.00	6,985.00	60,500,054.00	427.00	9,155.00	105,650,039.20	375.00	8,048.00	109,700,010.00
Kirinyaga	93.00	4,520.00	111,150,000.00	101.50	4,265.00	101,750,000.00	103.00	3,909.00	102,800,000.00
Nandi	381.00	6,754.00	76,980,000.00	262.00	5,629.00	66,160,000.00	256.00	5,415.00	87,000,000.00
Makueni	265.22	5,375.90	77,440,600.00	262.00	5,480.00	79,220,880.00	292.00	5,065.00	77,250,000.00
Pokot	300.75	3,360.38	50,403,750.00	210.60	2,100.30	21,003,000.00	240.50	4,800.28	66,803,360.00
Muranga	232.00	4,242.60	66,491,042.45	256.00	3,590.88	62,336,657.11	231.20	3,535.70	61,190,000.00
Vihiga	9.00	270.00	21,170,000.00	9.00	271.00	24,110,000.00	12.00	374.00	32,575,000.00
Laikipia	181.50	5,227.80	131,855,000.00	194.20	3,762.20	78,849,000.00	117.20	1,911.20	32,525,000.00
Kajiado	186.00	876.00	17,955,842.00	176.00	1,911.00	18,457,500.00	190.00	2,154.00	22,666,000.00
Tharaka Nithi	23.25	963.50	9,822,500.00	37.00	1,415.00	14,400,000.00	48.00	1,977.50	19,980,000.00
Machakos	59.00	1,101.00	15,012,232.00	62.20	841.40	13,365,850.00	133.20	1,049.26	18,588,060.00
Kakamega	61.00	630.82	12,260,000.00	87.00	690.00	15,394,200.00	85.20	710.00	16,909,700.00
Busia	16.00	756.00	8,200,000.50	23.00	968.00	11,040,000.00	32.00	1,280.00	14,955,000.00
Baringo	62.50	640.60	7,635,000.00	58.20	673.00	7,638,204.80	64.00	740.00	10,675,682.00
Embu	55.00	2,400.00	44,000,000.00	56.00	2,680.00	22,400,000.00	60.00	2,945.00	5,635,775.00
Siaya	4.00	95.00	1,220,000.00	7.00	174.00	2,540,000.00	9.00	215.00	3,300,000.00
Homabay	30.20	360.00	10,785,000.00	28.30	465.00	9,945,000.00	65.00	994.00	2,134,000.00
Migori	2.00	30.00	150,000.00	10.00	120.00	600,000.00	15.00	180.00	1,200,000.00
Total	**15,051.37**	**411,569.60**	**4,516,629,311.95**	**16,084.12**	**450,750.58**	**5,143,817,352.11**	**15,317.70**	**442,569.34**	**4,931,278,549.00**

3.3.3 Kales

Kale is the most popular leafy vegetables consumed in the country, because of its short production cycle and high productivity. In 2014, the area under production of Kales was 24,422 ha which produced 348,637MT with a value of Kshs 4.8 billion. Though the area under production increased by 1 percent production decreased by 1 percent respectively as compared to 2013, but value increased by 13 percent due to a rise in the prices from Kshs 12 to Kshs 14 per kg.
The leading counties in kale production were Kiambu accounting for 23 percent followed by Kisii, Nyeri and Nyamira which accounted for 9.8 and 4 percent respectively. Kiambu County recorded the highest farm gate price with an average price of Kshs 28 per Kilo and this was attributed to its proximity to Nairobi.

Table 3.21: Kales

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Kiambu	5,772.00	38,963.00	1,128,087,000.00	5,384.50	31,074.50	781,424,590.00	5,772.00	38,963.00	1,128,087,000.00
Kisii	1,886.00	36,938.00	393,240,000.00	2,033.00	40,660.00	444,800,000.00	1,990.00	41,700.00	438,500,000.00
Nyeri	826.00	19,557.00	187,670,000.00	845.00	18,835.00	193,690,000.00	867.00	22,901.00	384,225,974.00
Nyamira	455.00	6,930.00	70,400,000.00	462.00	7,775.00	91,510,000.00	848.00	13,679.00	195,004,223.00
Nandi	592.00	8,537.00	161,845,000.00	664.00	10,595.00	167,995,800.00	581.00	9,348.00	191,699,491.00
Bungoma	1,242.00	19,978.00	106,880,000.00	1,641.00	28,080.00	146,356,000.00	1,603.00	30,363.00	181,785,000.00
Narok	431.00	8,334.00	66,500,785.30	433.00	29,805.00	295,415,900.00	588.00	10,355.50	181,415,930.00
Uasin Gishu	461.50	18,295.00	222,345,000.00	443.00	15,140.00	182,100,000.00	314.00	12,800.00	177,810,000.00
Kakamega	872.00	5,738.00	155,211,000.00	900.00	6,230.00	154,630,000.00	1,040.00	7,404.00	176,464,300.00
Elgeyo Marakwet	725.00	11,236.00	118,148,239.00	746.00	11,790.00	122,350,043.06	844.00	10,563.00	148,560,000.00
Nyandarua	1,246.00	24,185.00	121,765,000.00	1,147.00	21,764.00	152,400,000.00	1,270.00	24,775.00	130,786,350.00
Bomet	1,204.00	15,658.00	154,510,000.00	1,243.00	19,166.00	170,902,000.00	846.00	12,171.00	121,710,000.00
Laikipia	168.00	2,426.00	44,480,000.00	148.00	2,266.00	24,390,000.00	120.50	6,815.50	119,935,000.00
Kericho	744.00	10,930.00	157,975,000.00	765.00	13,320.00	198,350,000.00	385.00	9,905.00	109,050,000.00
Nakuru	792.25	15,665.50	153,122,500.00	807.00	15,063.00	83,404,880.00	1,033.00	27,788.00	108,045,000.00
Muranga	627.75	5,939.50	106,080,000.00	607.00	4,979.00	74,776,250.00	607.04	6,072.68	104,963,600.00
Vihiga	321.00	2,822.00	99,330,000.00	381.00	3,393.00	127,150,000.00	376.00	3,288.00	103,110,000.00
Meru	452.00	5,140.00	57,420,000.00	446.56	4,575.48	50,277,800.00	395.00	5,522.00	102,566,000.00
Taita Taveta	198.00	5,061.00	14,557,964.05	220.50	15,400.00	78,213,600.86	206.70	5,525.90	95,001,586.00
Machakos	382.00	4,401.00	68,800,000.00	392.00	3,077.00	56,850,000.00	420.00	3,515.00	78,822,000.00
Makueni	388.22	1,554.00	46,833,398.00	424.05	1,949.00	58,324,242.00	603.00	2,601.00	70,900,000.00
Tranzoia	555.00	7,415.00	43,300,046.80	531.00	7,065.00	55,500,037.80	449.00	5,532.00	67,800,019.00
Siaya	258.00	935.00	13,475,000.00	271.00	1,310.00	50,500,000.00	430.00	1,965.00	59,145,000.00
Busia	272.00	2,370.00	43,055,000.00	286.00	2,515.00	45,325,000.00	302.00	2,660.00	48,797,000.00
Embu	119.00	2,865.00	38,250,000.00	122.00	2,924.00	29,740,000.00	118.00	3,452.50	39,930,000.00
Homabay	603.00	3,987.00	38,347,000.00	569.60	3,026.00	42,600,000.00	595.00	4,925.00	38,400,000.00
Migori	51.00	418.00	4,524,000.00	91.00	1,650.00	11,200,000.00	112.00	2,220.00	37,200,000.00

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Pokot	245.00	2,389.00	14,120,000.00	251.00	2,563.50	17,675,000.00	197.00	5,620.00	24,700,000.00
Tana River	43.00	860.00	15,400,000.00	58.00	1,005.00	17,400,000.00	138.00	1,365.00	23,100,000.00
Kilifi	91.90	1,658.00	19,870,000.00	148.50	2,311.00	25,680,002.64	233.00	5,425.52	22,222,849.96
Baringo	153.00	898.50	12,952,000.00	164.90	1,033.50	12,233,500.00	237.00	1,559.60	17,070,200.00
Kisumu	475.00	7,505.00	110,240,000.00	510.00	13,805.00	129,366,333.00	112.00	1,274.00	16,042,000.00
Isiolo	56.00	730.00	16,877,600.00	115.00	1,437.00	24,429,000.00	60.00	770.00	15,570,000.00
Mandera	68.00	331.00	14,230,000.00	69.00	346.50	14,550,000.00	69.95	378.75	15,272,000.00
Tharaka Nithi	121.00	725.00	10,158,000.00	141.00	876.00	13,710,000.00	145.00	869.00	14,840,000.00
Kwale	62.00	643.00	6,420,000.00	39.00	484.50	4,800,000.00	87.00	1,399.50	13,995,000.00
Kitui	77.00	528.00	12,320,000.00	100.40	795.00	26,350,000.00	58.00	724.00	13,169,200.00
Kirinyaga	77.00	578.00	12,020,000.00	72.00	893.00	13,324,000.00	74.50	889.00	10,084,000.00
Kajiado	450.00	4,288.00	71,962,414.00	351.00	3,532.00	75,959,600.00	162.00	1,293.00	9,896,000.00
Turkana	90.60	220.00	8,400,000.00	32.00	120.00	6,000,000.00	35.00	78.00	3,720,004.00
Samburu	19.00	33.00	830,000.00	22.00	41.00	1,420,000.00	19.50	33.00	1,220,000.00
Garissa	50.00	104.00	9,600,000.00	42.00	111.00	1,500,000.00	40.00	86.00	1,095,000.00
Wajir	16.22	215.56	852,000.00	18.50	32.10	981,000.00	19.55	35.75	1,026,000.00
Marsabit	20.00	28.16	814,400.00	20.10	25.92	1,494,000.00	19.60	27.00	855,000.00
Total	**23,758.44**	**308,012.22**	**4,153,218,347.15**	**24,157.61**	**352,839.00**	**4,277,048,579.36**	**24,422.34**	**348,637.20**	**4,843,590,726.96**

Source: AFFA, Horticulture

3.3.4 Carrots

Carrot is produced for the domestic market however; small quantities of baby carrots are exported. In 2014, the area under carrots was 5,503 ha, producing 179,844MT with a value of Kshs 2.55 Billion. The leading producer of the crop was Kiambu County accounting 61 percent of the total production and recorded the highest value of 43 percent. The area increased by 3 percent but by contrast production and value decreased by 10 and 4 percent respectively in 2014 compared to 2013 performance. This was attributed to low productivity as the average price rose from 13 to 14.

Table 3.22: Carrots

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Kiambu	675.50	108,983.20	1,095,806,300.00	661.00	133,488.65	1,386,441,951.50	675.50	108,983.20	1,095,806,300.00
Migori	890.00	16,830.00	171,000,000.00	881.00	10,490.00	208,200,000.00	954.00	11,175.00	452,700,000.00
Meru	1,036.50	10,484.00	169,260,000.00	1,137.50	11,262.00	179,170,000.00	1,054.00	8,681.00	162,330,000.00
Nyandarua	523.00	10,357.00	71,498,250.00	478.00	11,380.00	140,600,000.00	519.00	13,026.80	152,045,438.00
Siaya	223.00	3,144.00	105,721,000.00	303.00	4,335.00	155,201,000.00	321.00	4,720.00	149,835,000.00
Kisii	138.30	3,396.00	78,050,000.00	157.30	3,793.40	87,779,000.00	159.30	3,893.40	88,649,040.00
Nyeri	160.00	3,227.62	109,960,000.00	183.20	3,636.00	102,283,500.00	161.00	3,282.50	77,069,841.00
Nakuru	117.00	1,530.00	32,450,000.00	150.50	1,724.00	29,450,032.00	519.50	8,964.00	66,140,000.00
Bungoma	20.00	401.00	32,210,000.00	22.00	473.00	49,350,000.00	22.00	513.00	57,820,000.00
Homabay	251.00	2,006.00	100,300,000.00	264.00	1,829.00	91,456,000.00	125.00	801.50	47,729,000.00
Kisumu	1,019.00	557.30	23,850,000.00	397.00	6,300.00	25,700,000.00	402.00	7,180.00	36,000,000.00
Embu	67.00	2,030.00	21,100,000.00	63.00	1,920.00	20,400,000.00	63.00	2,120.00	24,400,000.00
Elgeyo Marakwet	87.50	1,079.00	8,964,424.40	88.70	1,305.00	16,577,528.80	43.00	1,403.00	22,590,000.00
Tranzoia	38.00	286.00	9,130,000.00	27.50	212.00	4,304,000.00	47.00	716.00	17,800,002.00
Narok	78.00	457.00	3,000,003.10	74.00	925.00	18,500,000.00	65.00	675.00	13,500,000.00
Kirinyaga	8.45	239.50	7,100,000.00	18.96	365.80	9,450,000.00	21.85	463.50	11,740,000.00
Nandi	27.75	242.00	7,240,000.00	25.50	365.00	9,625,000.00	26.50	399.00	11,484,000.00
Laikipia	24.00	336.00	9,856,000.00	26.00	108.00	4,040,000.00	46.50	288.50	10,540,000.00
Busia	40.00	400.00	8,000,000.00	40.00	450.00	9,000,000.00	45.00	450.00	9,000,000.00
Baringo	30.00	238.00	5,529,200.00	42.50	388.00	8,553,000.00	42.50	396.00	8,705,000.00
Uasin Gishu	52.50	458.50	6,532,500.00	55.50	555.00	8,779,000.00	47.20	437.80	6,644,000.00
Bomet	32.00	350.00	4,630,000.00	36.50	369.00	4,910,000.00	50.50	355.00	5,300,000.00
Tharaka Nithi	10.00	200.00	2,000,000.00	12.00	240.00	2,400,000.00	12.00	240.00	4,800,000.00
Taita Taveta	11.00	242.00	3,630,000.00	10.00	220.00	4,700,000.00	11.00	242.00	3,630,000.00
Nyamira	77.70	1,322.10	43,159,500.00	77.00	1,295.00	41,500,000.00	13.00	178.00	3,620,000.00

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Kericho	25.00	212.00	4,860,000.00	20.10	205.00	6,150,000.00	7.00	60.00	3,000,000.00
Muranga	17.00	97.50	1,920,000.00	17.70	135.20	3,886,900.00	15.20	92.20	2,055,000.00
Machakos	14.20	720.00	4,250,000.00	14.30	120.00	3,150,000.00	7.00	64.00	1,600,000.00
Kakamega	13.50	33.00	751,000.00	7.00	15.50	370,000.00	11.50	20.00	499,000.00
Pokot	10.00	72.00	1,440,000.00	28.00	280.00	2,800,000.00	4.00	16.00	320,000.00
Vihiga	2.00	3.00	160,000.00	1.00	2.00	110,000.00	1.00	2.00	120,000.00
Samburu	0.50	3.00	18,000.00	1.00	5.00	30,000.00	1.00	6.00	36,000.00
Total	**5,739.90**	**170,102.22**	**2,150,164,977.50**	**5,341.16**	**198,507.05**	**2,645,012,912.30**	**5,503.65**	**179,844.40**	**2,547,507,621.00**

Source: AFFA, Horticulture

3.3.5 Banana

Banana is an important source of income and food security among smallholders and large scale farmers. In 2014, the area under banana was 52,102 ha with a total production of 1.4 million tons valued at Kshs. 18.2 billion. The Area under production increased from 50,718 ha to 52,102 ka representing and value increase by Kshs 413 Million representing 3 percent and 2 percent respectively growth but production went down by 1 percent. The drop in production was attributed to low productivity in areas that do not have access to irrigation especially Murang'a and Bungoma. Counties of Meru, Kirinyaga, Embu and Taita Taveta recorded production of 47.28, 57.7, 48.8, and 50.66 per ha which could be attributed to access to water for irrigation, adoption of superior varieties, availability of clean planting materials from Tissue Culture technology, and exposure of farmers to modern agronomic practices.

The main varieties grown include: dessert banana cultivars- Grandnain, Gross Mitchel, Williams's hybrid, Lactan, Valery, Chinese Cavendish, Giant Cavendish, Dwarf Cavendish and Apple banana; cooking cultivars which include: Gradi Shisikame, MutaHato, Uganda Green and Ng'ombe and multipurpose cultivars such as Muraru and Goldfinger. The leading counties in banana production were; Meru (14 percent), Kirinyaga (12 percent), Embu (10 percent), Bungoma (8 percent) Taita Taveta (7 percent) Kisii (7 percent) and Muranga (6 percent) among others.

Table 3.23: Bananas

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Meru	6,194.20	288,803.00	2,675,480,000.00	6,493.00	307,013.00	3,422,330,000.00	6,146.00	215,580.00	2,475,820,000.00
Kirinyaga	3,434.00	185,402.00	1,818,220,000.00	3,627.00	209,601.00	2,288,660,000.00	3,768.00	192,230.80	2,206,497,600.00
Embu	3,026.00	147,791.00	1,479,685,000.00	3,363.00	164,374.00	1,646,528,000.00	3,634.00	177,924.00	1,782,248,000.00
Bungoma	3,029.00	57,143.00	1,084,520,000.00	3,413.00	65,166.00	1,231,072,000.00	3,980.00	75,234.00	1,428,277,500.00
Taita Taveta	2,450.20	126,727.00	1,296,067,503.10	2,569.00	130,154.80	364,001,891.80	2,513.60	129,739.60	1,236,000,089.00
Kisii	3,856.00	85,700.00	1,238,400,000.00	3,795.00	85,022.00	1,151,060,000.00	3,962.00	85,780.00	1,231,400,000.00
Muranga	5,696.40	94,981.00	941,920,000.00	5,819.75	99,737.00	1,122,677,000.00	5,874.00	101,753.00	1,141,552,000.00
Tharaka Nithi	2,049.00	80,900.00	1,039,330,000.00	2,137.50	75,920.00	963,720,000.00	2,148.50	79,823.00	1,139,761,500.00
Kakamega	2,485.00	31,557.00	797,060,000.00	2,578.60	34,254.00	945,575,650.00	2,745.60	35,378.00	1,015,805,772.00
Nyamira	1,356.00	26,162.00	561,140,000.00	1,431.00	28,066.00	629,830,000.00	2,363.00	47,160.00	931,900,000.00
Kiambu	1,828.20	21,843.70	357,172,400.00	1,830.50	23,654.40	408,350,380.00	1,959.68	23,322.66	404,838,000.00
Kericho	540.50	9,462.50	168,375,000.00	563.00	8,873.00	177,640,000.00	423.40	8,740.00	349,600,000.00
Vihiga	928.00	20,723.00	273,643,750.00	953.00	21,300.00	285,050,000.00	1,009.00	22,240.00	303,050,000.00
Tana River	1,448.00	15,226.00	263,640,000.00	1,550.00	15,986.00	276,240,000.00	1,605.00	16,462.00	279,730,000.00
Tranzoia	257.00	5,849.00	112,200,000.00	290.00	6,714.00	107,375,000.00	348.00	7,813.00	234,000,050.00
Makueni	411.00	4,081.80	71,791,000.00	524.00	4,874.00	112,596,000.00	696.00	5,871.00	197,356,000.00
Busia	360.00	7,007.00	173,735,000.00	362.00	7,171.00	189,783,000.00	467.00	7,315.00	192,355,000.00
Siaya	919.00	12,446.00	184,366,000.00	928.00	10,946.00	168,573,000.00	909.00	12,542.60	188,658,000.00
Machakos	1,114.20	19,379.40	273,948,086.00	1,219.00	20,682.00	301,298,627.00	1,188.45	9,873.00	177,987,000.00
Bomet	234.50	2,405.00	30,435,000.00	254.00	3,082.00	56,320,000.00	430.00	10,238.00	165,560,000.00

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Elgeyo Marakwet	569.00	16,998.50	149,976,791.40	575.70	15,765.00	136,151,406.36	584.70	14,181.00	146,380,000.00
Migori	250.00	3,950.00	45,575,000.00	305.00	4,360.00	47,100,000.00	451.00	7,710.00	135,060,000.00
Garissa	453.00	10,107.00	121,260,000.00	664.50	10,925.00	160,012,000.00	875.00	11,344.00	129,273,000.00
Nandi	256.00	4,420.50	83,857,145.00	301.00	5,948.00	101,207,500.00	316.50	6,178.50	112,201,000.00
Pokot	87.50	885.50	34,135,000.00	117.70	1,435.70	60,389,000.00	135.80	2,850.70	101,913,300.00
Kwale	176.00	2,110.00	43,800,000.00	130.20	1,671.00	33,540,000.00	142.74	2,186.00	73,334,000.00
Baringo	237.00	3,477.50	45,015,000.00	247.70	3,683.00	53,055,000.00	287.90	4,418.50	69,100,000.00
Kisumu	106.50	1,205.50	54,772,100.00	139.00	2,056.00	62,785,000.00	143.40	2,340.00	66,694,000.00
Homabay	374.00	2,926.00	80,370,000.00	154.60	1,816.00	61,490,000.00	154.60	1,816.00	61,490,000.00
Nakuru	672.85	858.90	27,988,000.00	664.20	764.00	22,554,045.00	82.00	1,973.95	38,536,000.00
Kilifi	1,353.00	13,790.00	314,250,000.00	1,500.00	22,372.70	127,275,156.00	1,958.00	102,224.82	34,398,652.41
Uasin Gishu	74.00	2,300.50	10,076,000.00	43.20	859.20	23,480,000.00	56.60	1,671.60	33,661,250.00
Narok	152.00	1,137.64	33,730,015.90	178.00	2,357.35	44,656,053.80	217.00	3,037.00	28,368,060.30
Lamu	1,229.60	21,066.00	526,010,000.00	1,491.80	37,211.20	892,804,800.00	55.00	525.00	13,125,000.00
Mandera	133.00	1,522.50	36,900,000.00	118.00	1,094.00	29,898,000.00	73.08	283.20	11,520,000.00
Kajiado	107.50	644.50	8,485,227.00	107.00	655.00	8,419,088.00	115.00	686.00	8,381,656.00
Kitui	29.00	232.00	5,947,000.00	35.00	289.00	6,895,000.00	36.00	309.00	6,948,000.00
Isiolo	10.20	219.00	5,735,000.00	10.50	225.00	5,825,000.00	10.50	198.00	5,524,000.00
Laikipia	56.00	112.00	2,240,000.00	52.00	46.00	900,000.00	56.00	118.00	2,360,000.00
Nyandarua	5.00	88.90	1,778,000.00	23.70	189.60	3,792,000.00	23.70	94.80	1,422,000.00
Turkana	64.50	300.00	4,700,000.00	20.50	121.00	1,956,000.00	20.50	74.00	1,201,000.00
Samburu	3.80	7.00	230,000.00	4.50	9.50	290,000.00	9.00	15.00	570,000.00
Marsabit	5.70	9.00	509,300.00	8.60	10.90	654,000.00	5.70	9.00	525,500.00
Wajir	0.85	1.01	32,000.00	1.03	1.24	48,000.00	1.03	1.35	51,200.00
Mombasa	-	-	-	125.10	1,110.00	17,150,000.00	121.50	952.00	14,800.00
Total	**48,022.20**	**1,331,958.85**	**16,478,500,318.40**	**50,718.88**	**1,437,565.59**	**17,751,007,597.96**	**52,102.49**	**1,430,217.09**	**18,164,448,929.71**

Source: AFFA, Horticulture

3.3.6 Mangoes

Mangoes production has been on the increase due to increased demand for fresh market fruits, processing, and health concerns. In 2014, the area under mangoes was 47,619 ha with a production of 744 million MT, valued at Kshs. 8.9 billion as compared to 7.7 billion achieved in 2013. This steady increase can be attributed to expansion of area especially in North Rift and Eastern region; introduction of marketing systems with various government and private sector initiatives across the value chain and increased consumption of mango juice and salads. The leading counties in mangoes production by value were; Makueni (20 percent); Kwale (15 percent) and Kilifi (13 percent).

Table 3.24: Mangoes

County	Area 2012 (ha)	Prod 2012 (Ton)	Value 2012 (Kshs)	Area 2013 (ha)	Prod 2013 (Ton)	Value 2013 (Kshs)	Area 2014 (ha)	Prod 2014 (Ton)	Value 2014 (Kshs)
Makueni	10,237.10	44,482.10	397,840,726.00	10,237.10	44,482.10	397,840,726.00	10,736.50	146,425.00	1,817,438,326.00
Kwale	2,136.00	43,196.00	431,250,000.00	2,636.00	52,574.00	525,350,000.00	4,135.00	91,390.00	1,365,400,000.00
Kilifi	5,729.00	101,655.00	1,016,550,000.00	6,634.00	116,080.13	1,152,007,087.84	9,850.00	134,334.98	1,159,582,100.00
Machakos	4,825.00	54,328.64	629,701,867.00	5,132.50	51,546.35	624,313,661.00	5,593.00	67,320.00	835,580,274.00
Nyeri	1,832.70	44,836.00	762,856,000.00	1,925.00	50,238.50	882,803,424.00	1,806.00	44,727.00	751,252,780.00
Embu	3,127.00	109,105.00	630,700,000.00	2,944.00	111,480.00	780,196,000.00	3,044.00	108,088.00	730,470,000.00
Meru	4,176.00	46,010.00	460,100,000.00	4,135.00	48,432.00	484,320,000.00	4,027.00	41,605.00	516,404,000.00
Bungoma	934.50	18,560.00	208,620,000.00	1,166.00	23,151.00	297,324,000.00	1,268.00	25,211.00	315,924,000.00
Tharaka Nithi	1,058.00	22,280.00	253,330,000.00	1,111.00	15,984.00	242,330,000.00	1,067.00	20,137.00	238,840,000.00
Elgeyo Marakwet	689.50	20,072.00	152,783,050.47	518.10	11,805.50	134,917,302.40	617.70	11,566.50	209,200,000.00
Kirinyaga	151.20	2,069.00	55,194,000.00	178.00	2,431.00	62,103,000.00	183.70	2,418.00	145,830,000.00
Muranga	888.50	5,993.00	88,298,000.00	902.45	6,813.50	119,817,500.00	909.15	10,942.00	131,714,660.00
Kitui	915.00	9,140.00	146,070,000.00	1,211.00	13,605.00	165,270,000.00	1,258.00	11,648.00	113,270,000.00
Kisumu	167.50	2,357.50	95,995,625.00	210.10	2,049.98	89,729,300.00	231.60	2,566.00	108,845,800.00
Siaya	283.80	3,663.10	82,393,000.00	368.00	3,146.00	59,320,000.00	488.50	4,555.00	86,315,000.00
Garissa	429.00	5,338.00	148,520,000.00	532.25	10,752.00	114,200,000.00	564.00	7,515.00	74,710,000.00
Migori	255.50	3,755.00	100,100,000.00	264.00	3,900.00	99,500,000.00	275.50	4,767.00	65,012,670.00
Baringo	148.00	2,166.50	29,420,000.00	164.80	2,481.35	35,194,969.00	169.30	2,486.00	50,400,000.00
Kiambu	168.52	1,696.40	47,000,000.00	173.20	1,619.50	42,185,000.80	173.20	1,619.50	42,185,000.80
Homabay	192.90	1,339.20	53,985,000.00	200.90	1,532.00	78,960,000.00	184.20	1,160.00	35,580,000.00
Busia	150.00	1,355.00	22,715,000.00	149.00	1,355.00	24,224,000.00	149.00	1,365.00	25,374,000.00
Mandera	120.50	1,017.50	30,562,500.00	110.10	963.50	30,555,000.00	94.10	559.90	20,850,000.00
Pokot	138.20	765.00	16,000,000.00	138.20	766.50	19,200,000.00	138.20	763.40	19,045,000.00
Tranzoia	29.30	511.00	15,590,000.00	36.45	639.00	20,800,000.00	30.00	501.00	16,700,001.06
Kakamega	76.70	372.00	13,289,000.00	88.30	417.00	15,490,000.00	99.00	429.00	15,371,778.00
Lamu	2,186.70	24,417.20	244,898,000.00	2,228.94	59,269.50	1,007,246,500.00	20.00	540.00	10,800,000.00
Total	**41,410.64**	**573,719.74**	**6,215,895,768.47**	**44,017.52**	**644,829.41**	**7,669,286,121.04**	**47,619.71**	**744,639.28**	**8,902,095,389.86**

Source: AFFA, Horticulture

3.3.7 Flowers

The value of flowers rose from 55.9 Billion in 2013 to 59.8 in 2014 representing 7% increase after a 14 percent drop from 64.9 Billion to 55.9 from 2012 to 2013. Roses contributed Kshs 42 billion of the Kshs 59 billion, earned from floriculture in 201, constituting 70 percent of the total value of floriculture. Counties around Mount Kenya region have been identified as potential in production of high quality flowers. The leading counties in rose production in terms of value are Nakuru, Kiambu, Meru, Machakos, Kericho and Kajiado Other Counties producing flowers include Murang'a, Nyandarua, Nyeri, Trans Nzoia, Uasin Gishu and Baringo.

The major challenges in rose flower production are Agrobacterium tumefaciens (crown gall disease). Infected fields are reported to have uneconomically short life-spans of 0 – 8 months. Other challenges include erratic weather patterns and prevalence of pests and diseases attributed to climate change. The cost of investment is also considered prohibitive to many local investors.

Table 3.25: Flowers production (Kg)

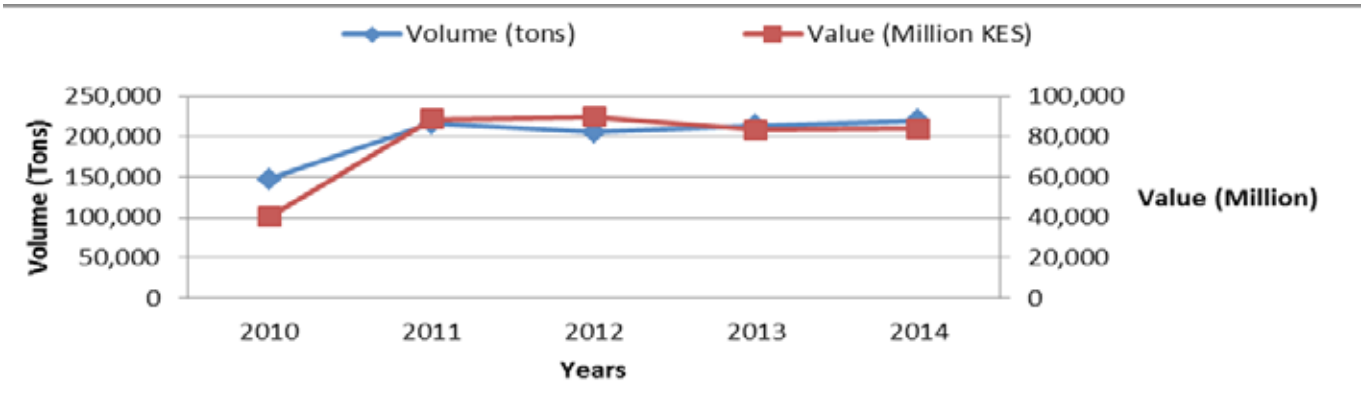
Year	2012	2013	2014
Roses	39,404,606,859.00	37,092,723,795.00	42,121,561,505.00
Bouquet	7,570,254,021.00	371,816,186.00	180,682,323.00
Carnation	1,739,915,717.00	1,553,136,953.00	2,209,674,948.00
Lilies	332,273,598.00	311,186,607.00	1,451,669,431.00
Hypericum	934,679,138.00	1,293,170,597.00	669,036,453.00
Chrysanthemums	495,783,438.00	1,178,256,537.00	455,708,436.00
Gypsophilla	416,392,126.00	535,810,960.00	628,955,663.00
Totals	**64,963,995,182.00**	**55,975,654,871.00**	**59,893,073,613.00**

Source: AFFA, Horticulture

Table 3.26: Fresh Horticultural Exports

Year	2010		2011		2012		2013		2014	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Type	(Tons)	(Million KES)	(Tons)	(Million KES)	(Tons)	(Million KES)	(Tons)	(Million KES)	(Tons)	(Million KES)
Flowers	**67,731**	**24,379**	**109,950**	**58,835**	**108,306**	**64,964**	**105,554**	**55,976**	**114,764**	**59,893**
Fruits	**19,313**	**2,047**	**27,051**	**3,535**	**31,070**	**4,680**	**31,107**	**4,483**	**35,149**	**5,411**
Vegetable	**60,090**	**13,744**	**79,246**	**26,251**	**66,352**	**20,226**	**77,172**	**22,923**	**70,335**	**18,781**
Total	**147,135**	**40,170.39**	**216,246.92**	**88,621.68**	**205,728.47**	**89,869.57**	**213,833.73**	**83,381.48**	**220,247.52**	**84,084.33**

Figure 3.1: Trends in Horticultural Exports



3.4 Industrial Crops

3.4.1 Coffee

After a sharp decline recorded 2012 relative to 2011, area under coffee production increased, though marginally, with a slight improvement in 2014 in comparison to 2013. There was a significant increase in production from 39,800 tons in 2013 to 51,500 tons in 2014 an equivalent of 30 percent. This trend could be attributed to better management practices employed at estate and cooperative levels. The value of coffee exports rose by 22.0 per cent, despite a decline of 3.0 per cent in export quantities, due to improved international prices. The improvement in prices was attributed to high quality beans and increased demand for Kenyan coffee for blending other varieties.

Table 3.27: Coffee

YEAR		2010	2011	2012	2013	2014
Production -Estates	Area (Ha)	40,000	40,000	24,606	24,600	24,700
	Tons	19,720	16,660	22,000	17,900	16,800
Production -Small Holders	Area (Ha)	120,000	120,000	85,189	85,200	85,300
	Tons	22,280	19,600	27,000	21,900	32,700
Yield (tons/Ha) Total crop area (Ha)	Estate	0.5	0.5	0.9	0.7	0.7
	Small Scale	0.2	0.2	0.3	0.3	0.4
Total Crop area (Ha)		160,000	160,000	109,795	109,800	110,000
Total Production (Tons)		42,000	36,260	49,000	39,800	51,500
Price of Processed Coffee(US$/ 50kg)		237.50	329	228.60	333	419
Exports (Tons)		35,108	35,000	44,500	48,890	47,438
Total Value (billion Kshs.)		**16.1**	**22**	**19**	**16.3**	**19.9**

Source: AFFA, Coffee Directorate

3.4.1.1 Coffee Export Destinations

The key markets for Kenyan coffee are in Germany, USA, Belgium and Sweden. Germany absorbing the largest share of total coffee exports in 2014 amounting to 23 percent.

Table 3.28 Coffee Export

Destination	2013	2014
Jordan	456,300	995,500
South Korea	1,042,089	1,651,225
Portugal	-	9,600
UAE	670,273	517,420
Russian Federation	559,200	151,578
Romania	135,000	116,400
Saudi Arabia	1,203,080	460,000
South Africa	77,060	75,720
Syria	144,000	144,000
Turkey	-	25,200
Egypt	-	18,000
India	655,647	360,000
Djibouti	57,661	36
Seychelles	1,200	3,000

Destination	2013	2014
Dubai	98,660	74,280
Nigeria	-	7,913
Tanzania	13,421	3,387
Uganda	309	1,766
USA	6,889,090	7,982,047
Zambia	-	102
Germany	9,618,392	11,001,024
Estonia	460,500	288,000
Latvia	19,200	38,500
China	138,020	237,495
Eritrea	19,800	38,640
Belgium	9,531,440	7,981,660
Republic of Congo	-	145
Australia	827,630	805,280
Canada	531,600	816,960
Denmark	232,217	124,740
France	1,183,800	1,286,700
Italy	322,800	328,159
Japan	574,275	648,812
Czech Republic	-	500
Netherlands	486,876	658,760
Norway	1,317,629	1,125,280
Spain	228,220	395,548
Sweden	4,555,400	4,833,909
Switzerland	214,440	52,800
UK	920,930	1,323,534
Singapore	-	12,000
New Zealand	180,720	193,860
Finland	2,325,528	2,474,320
Taiwan	77,700	109,620
Greece	19,200	19,200
Ireland	38,640	38,400
Israel	960,000	768,000
Bulgaria	19,200	-
Indonesia	72,000	-
Kuwait	18,000	-
Oman	19,200	-
Poland	19,600	-
Rwanda	104	-
Sudan	1,260,000	-
Georgia	18,000	-
Mauritius	2,270	-
Vietnam	300	-
Tunisia	670,273	-
South Sudan	3,439	636
Total (Kgs)	**48,890,333**	**48,199,655**

Source: AFFA, Coffee Directorate

3.4.2 Tea

In 2014, both area and production for tea increased by 2.2 and 2.9 percent respectively. In absolute terms, hectarage increased from 198,657 to 203,006 Ha over the two years, whereas production increased from 432,453 to 445,105 tons. Over the same period, Estate sub-sector registered a marginal increase in production of 0.04 per cent from 182,618 tons to 182,686 tons whereas the smallholder sub-sector recorded an increase from 249,835 to 262,419tons, an equivalent of 5 percent increase. Yield decreased by 3.8 percent for the Estate sub-sector whereas they were maintained at 2 tons/ha for the smallholders sub-sector. Improved production was largely attributed to increase in area under tea coupled by good rains received in tea growing regions in 2014.

Table 3.29: Tea

Year		2010	2011	2012	2013	2014
Production-Estates	Area (Ha)	56,893	64,470	65,700	71,305	74,385
	Production (tons)	174,025	159,358	150,900	182,618	182,686
	Yield (tons/Ha)	3.4	3.1	2.9	2.6	2.5
Production-Small Holders	Area (Ha)	115,023	123,385	124,900	127,352	128,621
	Production(tons)	224,981	218,553	218,500	249,835	262,419
	Yield (tons/Ha)	2.2	2	2	2.0	2.0
Total Area (Ha)		171,916	187,855	190,600	198,657	203,006
Total Production (tons)		399,006	377,912	369,400	432,453	445,105
Price of Black Tea (USD per 100 kg)		275	299	309	268	216
Consumption (tons)		18,704	20,017	22,744	26,550	32,180
Exports (tons)		441,024	421,272	430,200	494,346	499,347
Exports (million Kshs.)		97,740	109,408	112,200	114,408	101,117

Source: AFFA, Tea Directorate

The average Auction price for Kenya Tea continued on a downward trend since 2012. The price reduced from 268 USD per 100kg recorded in 2013 to 216 for 2014. This was as result of increased global supply and reduced demand of black tea in some key export markets.

3.4.2.1 Tea Exports Destinations

Tea exports and re-exports volumes were higher by 1percent from 494.35 thousand tons recorded in 2013 to 499.38 thousand tons in 2014. Pakistan continued to be the key markets and recorded an increase in import of 11.2 percent. This was however lower than exports to Sudan which grew by 37.1 percent, as shown in table 5.27. New markets recorded during the year included Georgia, Central African Republic and Belarus.

Table 3.30: Tea Production by County (Kgs)

County	2013	2014
Kericho	80,404,839	75,676,067
Bomet	63,897,069	67,422,272
Trans-Nzoia	1,533,794	1,766,677
Kakamega	3,115,769	3,319,732
Nandi	60,510,051	66,084,006
Nyamira	27,888,344	28,167,646
Kisii	25,213,393	26,046,252
Nakuru	7,067,938	6,582,416
Kiambu	38,154,307	38,706,460
Muranga	42,739,198	46,061,994
Meru	25,657,049	27,080,793
Tharaka-Nithi	3,910,097	3,906,808
Nyeri	21,546,484	22,554,919
Kirinyaga	18,440,235	19,315,738
Embu	12,374,133	12,412,954

Source: AFFA, Tea directorate

Kericho, Bomet and Nandi were the leading Counties in term of tea production in 2014 accounting to 47 percent of the total production.

3.4.3 Sugar

Sugar production decreased by 1.25 percent from 600,179 tons in 2013 to 592,668 tons in 2014 mainly due to significant decrease in area under cane in 2014 to 211,342 Ha from 213,920 Ha in 2013, leading to lower cane deliveries. Over the same period, area harvested decreased by 15.9 percent, from 85,857 Ha to 72,181 Ha. On the other hand, yields increased from 77.7 tons/ha to 89.7 tons per hectare due to better management practices and adoption of improved varieties. Efficiency in sugar production continued to hampered by various factors, which included; Low yields, low mill capacity utilization, obsolete milling technology, and poor transport infrastructure. In 2014, imports decreased to 192,121 tons from 238, 045 tons recorded in 2013.

Table 3.31: Sugar

Year		2010	2011	2012	2013	2014
Area(Ha)	Under Cane	157,583	179,269	213,710	213,920	211,342
	Harvested	68,738	64,091	84,916	85,857	72,181
Crop Production (tons)		5,475,180	5,307,341	5,822,633	6,673,725	6,477,651
Average Yield(Ton/Ha)		79.7	82.8	68.6	77.7	89.7
Sugar production (tons)		523,652	487,022	493,937	600,179	592,668
National Consumption (tons)		772,731	783,700	794,844	800,000	820,000
Exports (tons)		47	16,716	434	103.65	355.72
Imports (tons)		258,578	139,076	238,589	238,045	192,121

Source: AFFA, Sugar Directorate

3.4.4 Cotton

Cotton production continued on its upward trend after 53 per cent decline experienced in 2012. This was attributed to stabilization of price at 42 per kg recorded in 2013 and 2014. There was a slight improvement in yield as a result of improved management practices employed by the farmers.

Table 3.32: Cotton

Year	2010	2011	2012	2013	2014
Area (Ha)	24,553	32,200	40,208	24,456	24,322
Production of seed cotton (tons)	11,822	22,104	11,772	12,873	13,472
Price of seed Cotton (Kshs/kg)	48	65	40	42	42
Yield (tons/Ha)	0.58	0.60	0.53	0.50	0.56
Total value of seed cotton (Million Kshs)	**567.5**	**1,436.8**	**470.9**	**540.7**	**565.8**

Source: AFFA, Fiber Crops Directorate

3.4.5 Pyrethrum

Area under flower marginally increased from 3,300 Ha in 2013 to 3,700 Ha in 2014. Despite expansion in acreage under production, delivery of dry flowers to Pyrethrum Board decreased from 399 to 358 tons. Illegal trade and hoarding of pyrethrum flowers were the main causes for the low flower deliveries. Earnings from pyrethrum improved from 113 million shilling in 2013 to 226 million shilling in 2014, an equivalent of 100 percent increase. Yields decreased marginally from 0.12 tons/ha to 0.1 tons/ha over the same period.

Table 3.33: Pyrethrum

Year	2010	2011	2012	2013	2014
Area (Ha)	6,100	8,168	8,200	3,300	3,700
Delivery of dry flowers to PBK (tons)	462	518	420	399.22	358.33
Price of dry flowers (Kshs/kg)	95	200	100	175	175
Yield (tons/Ha)	0.1	0.06	0.05	0.12	0.1
Exports(Tons of pyrethrum extract)	7	10	7.5	5.2	4.9
Total value (Million Ksh)	130	160	220	113	226

Source: Pyrethrum and other Industrial Crops Directorate

3.4.6 Sisal

Total sisal production decreased by 2.5 percent to 25,341 tons in 2014 from 25,983 tons recorded in 2013. Domestic consumption of sisal fiber more than doubled form 750 tons in 2013 to 1737 tons in 2014, this was due to an increasing demand for sisal bags for packaging. In addition, 91 percent of total production was exported in 2014.

Table 3.34: Sisal

YEAR		2010	2011	2012	2013	2014
Area (Ha)	TOTAL	29,353	29,255	40,031	34,955	37,805
	Estate	25,068	24,970	35,746	29,955	32,805
	Small-Holder	4,285	4,285	4,285	5,000	5,000
Production (Tons)	TOTAL	23,924	27,560	27,866	25,983	25,341
	Estate	23,492	26,326	26,654	25,233	24,099
	Small-Holder	432	1,234	1,212	750	1,242
Average Yield (tons/Ha)		1	1	0.7	0.74	0.67
Local Consumption (tons)		2,840	3,530	4,199	750	1,737
Exports		19,986	23,908	24,052	23,951	23,032
Value of Exports (Million Kshs)		1,379	2,273	2,550	2,656	2,838

Source: AFFA, Fiber Crops Directorate

4.0 FISHERIES PERFORMANCE

4.1 National Fish Production

There was an increase of 2.8 percent from 163,293 MT in 2013 to 167,924 MT in 2014. The value increased from Kshs. 21.3 billion in 2013 to Kshs. 22.2 billion in 2014. The increase in quantity was mainly attributed to increase in production of fish from Lake Victoria and aquaculture. The increase in production from Lake Victoria was attributed to the increase in Rastrineobola argentea (Omena) production which increased by 4.2 percent from 66,717 MT in 2013 to 69,561 MT in 2014.

Table 4.1: Quantity and Value of Fish Production

	2010		2011		2012		2013		2014	
	MT	Kshs (bn)	MT	Kshs (bn)	MT	Kshs (bn)	MT	Kshs (bn)	MT	Kshs(bn)
FRESH WATER	132,345	14.55	158,816	18.47	145,348	16.88	154,159	19.99	158,936	20.85
MARINE	8,406	0.84	8,947	1.00	8,865	1.21	9,134	1.30	8,987	1.31
TOTAL	140,751	15.38	167,763	19.47	154,213	18.09	163,293	21.29	167,923	22.16

Source: SDF-Annual Statistical Bulletins

In 2014, Homa bay County contributed the highest capture catches by contributing 81,399 MT, followed by Siaya 28,519, Migori 7,899, Kisumu 5,556, Busia 5,468, Turkana 4,050, Kwale 2,643, Lamu 2,507, Kilifi 2,356, Mombasa 1,219, Embu 1,024, Tana River 446, Nakuru 341, Baringo 201, Marsabit 116 and Taita Taveta 115.

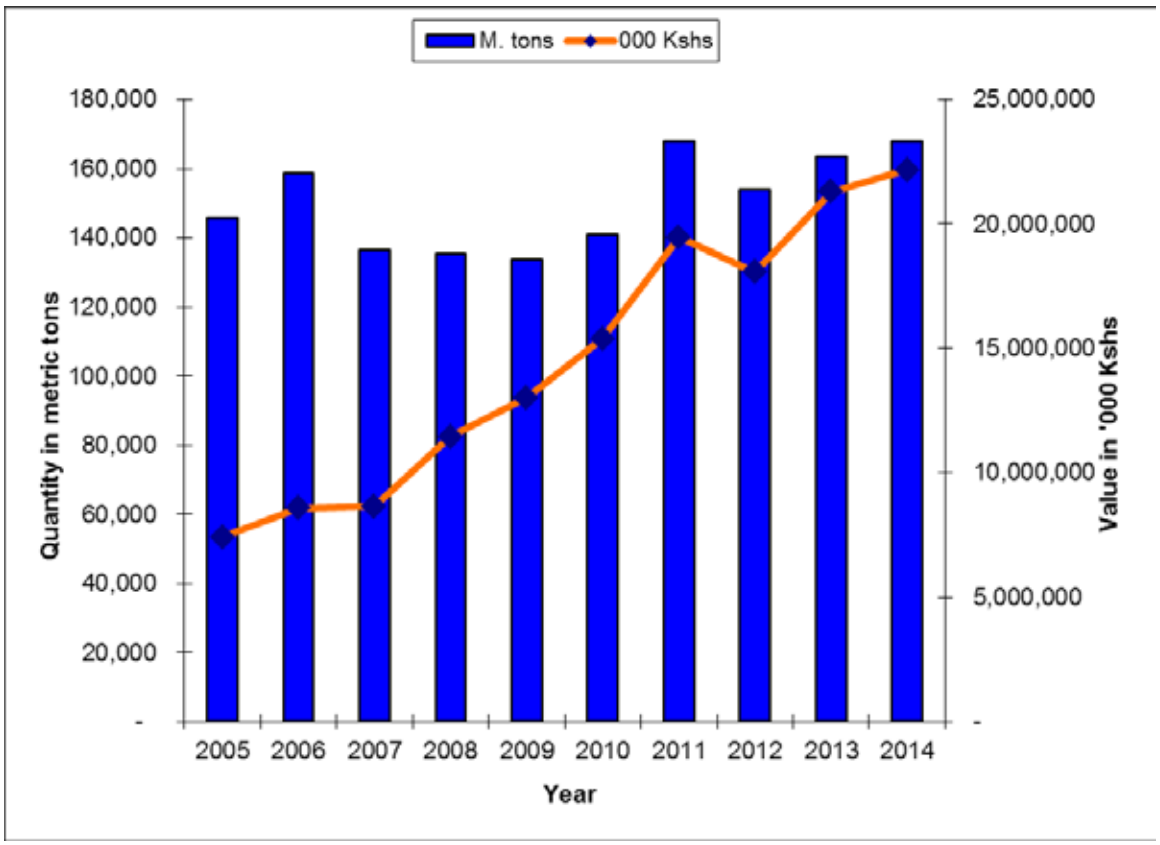


Figure 4.1: Quantity and Value of Fish Production

Inland capture fisheries contributed 81percent (134.840 MT) of Kenya's total fish production in 2014; Marine artisanal fish production was 8,988 metric tonnes equivalent of 5 percent of the national production while aquaculture production amounted to 24,096 metric tonnes contributing 14 percent of the total production Figure 4.2.

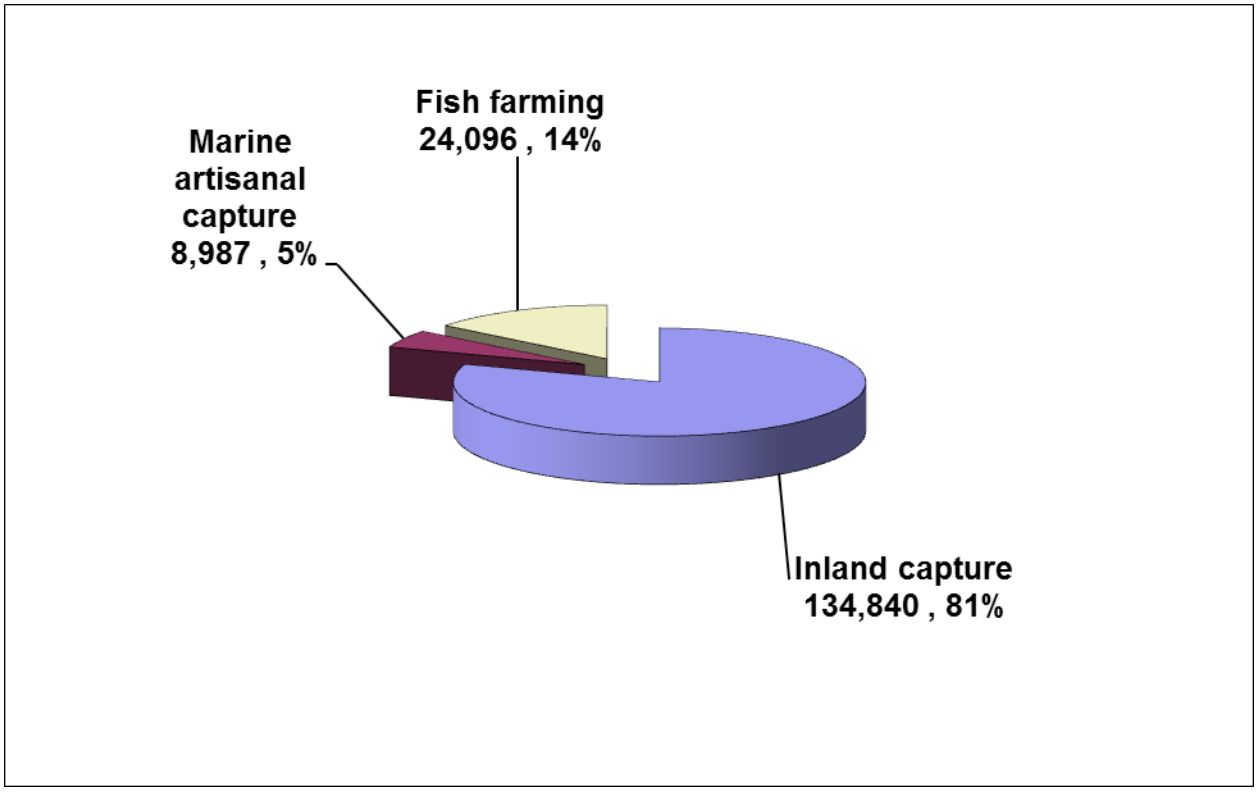


Figure 4.2: National Fish Production by Fishery Category

4.2 Fisheries Capture

Capture fisheries in Kenya is mainly from lakes Victoria, Turkana, Naivasha, Baringo, Jipe, Tana River dams, Tana river delta and Indian Ocean and had a production of 143,828 MT with an ex-vessel value of Kshs 16,559,534,000. This accounted for 86 percent of the national fish production in 2014. Lake Victoria accounted for 89.49 percent of all the fish from capture fisheries in Kenya during the year 2014.

In 2014, Homa bay County contributed the highest capture catches by contributing 81,399 MT, followed by Siaya 28,519, Migori 7,899, Kisumu 5,556, Busia 5,468, Turkana 4,050, Kwale 2,643, Lamu 2,507, Kilifi 2,356, Mombasa 1,219, Embu 1,024, Tana River 446, Nakuru 341, Baringo 201, Marsabit 116 and Taita Taveta 115.

4.3 Aquaculture

The State Department of Fisheries has aggressively been promoting aquaculture development in the country to counter the declining production from capture fisheries. Some of the achievements realized over the review period include; developed a fish breeding structure with a holding capacity of over 200,000 brood-stock; procured 54 Fish Feed Pelletizing machines and distributed them to clusters of fish farmers; procured 148 Motorcycles and recruited 286 Fisheries Extension Officers; constructed (4) Fish Processing Plants in Tetu, Imenti South, Rongo and Lurambi constituencies; constructed over 69,194 fish ponds country-wide (46,824 fish ponds in 160 Constituencies country-wide by GoK, and some other 22,370 ponds by farmers and investors and stocked them with over 100 million fingerlings; increased national aquaculture production from 1,047metric tonnes in 2005 to 24,096 metric tonnes in 2014, figure 3. The 24,096 metric tonnes had a farm gate value of Kshs. 5.6 billion Compared to 23,501 metric tonnes valued at Kshs. 5.5 billion in 2013.

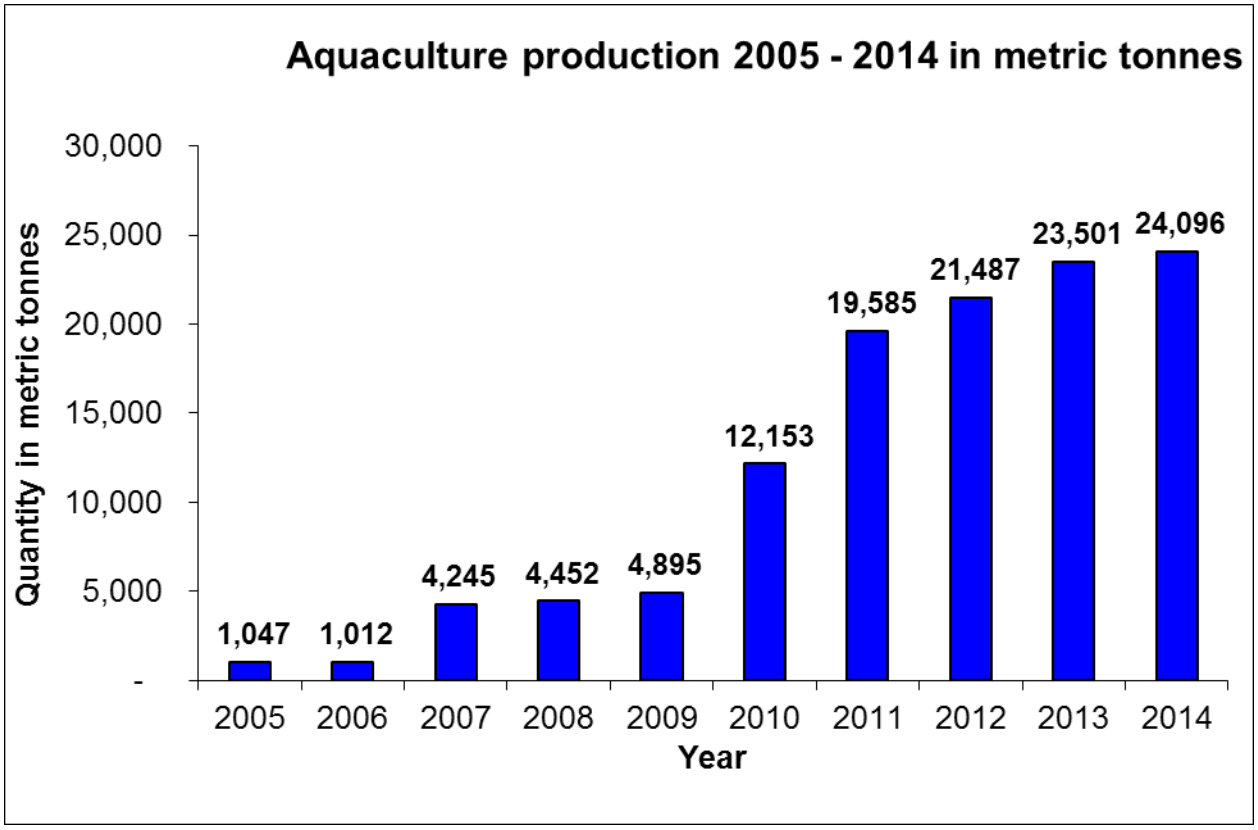


Figure 4.3: Aquaculture Production over the last 10 years

5.0 LIVESTOCK PERFORMANCE

5.1 Introduction

This chapter presents time series data and corresponding analysis on population of various livestock types and production data for various livestock products. The analysis focuses on the period 2010-2014. Generally, most livestock products recorded improved performance but there were notable variations attributed to changes in weather and market conditions from one year to another. The detailed population and production statistics by Counties is presented in the Annexes.

5.1.0 National Livestock Population

5.1.1 Cattle Population

The population for dairy and beef cattle has generally been increasing growing by 17.5 percent and 30.9 percent from 2010 to 2014 respectively. This is attributed to increasing demand for beef and milk. However, the population for both dairy and beef cattle declined from 2013 to 2014 due to drought.

Table 5.1: Cattle Population

Year	Dairy Cattle	Beef Cattle
2010	3,673,212	10,307,309
2011	3,739,161	10,388,135
2012	4,340,278	12,874,571
2013	4,505,582	13,632,918
2014	4,316,153	13,495,692

Source: SDL

5.1.2 Sheep and Goat Population

Sheep and goat population has been on an increasing trend except for wool sheep whose population reduced by 21.2 percent from 1,094,048 in 2013 to 862,455 in 2014. The decline in wool sheep population may be attributed to competition with synthetic fibre.

Table 5.2: Sheep and Goat Population

Year	Sheep		Goats	
	Wool	Hair	Dairy	Meat
2010	788,775	10,046,589	257,643	17,920,736
2011	798,289	10,140,621	294,279	17,694,066
2012	1,590,387	14,525,314	310,266	21,871,669
2013	1,094,018	15,506,893	360,495	24,276,898
2014	862,455	16,557,752	389,326	25,040,732

Source: SDL

5.1.3 Poultry Population

The indigenous chicken has remained the most popular among Kenyan farmers largely due to low cost of production compared to exotic breeds and preference by consumers. Generally production of broilers and layers registered gradual increase (Table 5.3). This could be attributed to rising population of the middle income group and more people shifting to urban areas.

Ostrich farming targeted particular markets, mainly tourists. The population reduced by a significant 20.2 percent from 3,668 in 2013 to 2,928 in 2014 due to poor performance of the tourism industry during the year.

Table 5.3: Poultry Population

Year	Broilers	Layers	Indigenous Chicken	Ostrich	Others*
2010	2,213,750	2,675,571	24,538,906	1,041	779,568
2011	2,600,924	2,847,225	26,219,935	978	684,243
2012	2,842,440	3,076,808	27,967,976	6,477	689,283
2013	2,745,188	3,675,425	32,569,198	3,668	878,991
2014	3,117,554	3,716,911	34,666,188	2,928	909,841

= Turkeys, Ducks, Quails, Guinea fowl, Geese, Pigeons and Doves
Source: SDL

5.1.4 Other Livestock Types

Donkeys and camel population recorded a consistent increase rising by 9.9 percent and 1.7 percent from 2013 to 2014 respectively (Table 5.4). Camels are the main source of livelihood among pastoralists due to their resilience to adverse weather conditions. Pig population has fluctuated marginally from 2010 to 2014. Pig production targets hotel industry and the market dynamics have remained stable for the last five years.

Table 5.4: Population of other types of Livestock

Year	Pigs	Rabbits	Donkeys	Camels	Crocodiles	Guinea Pigs
2010	342,585	633,728	989,389	1,535,473	-	-
2011	344,155	674,897	946,319	1,787,379	-	-
2012	408,703	781,544	1,395,205	2,864,732	-	-
2013	432,979	871,558	1,713,382	2,899,244	27,177	2,170
2014	430,844	874,565	1,882,785	2,937,262	71,500	3,420

-= data not available
Source: SDL

5.1.5 Hives

Log hives remain the most popular compared to other types of hives (Table 5.5). This could be attributed to their low cost of production and ease of construction using local materials at the farm level compared to Kenya Top Bar Hives (KTBH), Langstroth and Box hives which are comparatively expensive. The decrease in population of log hives could be due to farmers adopting modern hives like KTBH.

Table 5.5: Hives Population

Year	Hives			
	Log	KTBH	Langstroth	Box
2010	-	-	-	-
2011	-	-	-	-
2012	1,498,192	177,553	126,126	-
2013	1,478,737	190,719	123,268	**3,559**
2014	1,106,950	201,257	116,585	2,780

-= Data not available
Source: SDL

5.2 Livestock Products

5.2.1 Milk

Dairy production is the second largest livestock enterprise after meat production and it registered 3.4 billion litres of milk worth Kshs 154 billion in 2014. However, there was a marginal decrease of 7.9 percent compared with 2013 production (Table 5.6). This was due to drought experienced in the year leading to scarcity of livestock feeds. Despite the drop in production, the volume of processed milk increased from 523.0 million litres in 2013 to 541 million litres in 2014 (Economic Survey, 2015).

Table 5.6: Milk Production

Year	Total quantity produced ('000 kgs)	Total Value ('000 Kshs)	Quantity marketed formally ('000 kg)	Total Value ('000 Kshs)
2012	3,190.7	143,581.8	495.2	22,284.0
2013	3,717.8	167,303.1	523.0	23,535.0
2014	3,425.0	154,123.0	541.3	24,358.5

Source: SDL and KNBS

5.2.2 Meat

During the period under review, the country produced 408 MT of meat worth Kshs. 162.3 billion (Table 5.7) Beef production was the main meat produced whose value also registered an increase in 2014 compared with 2013. Other types of meat such as chevon, mutton, pork, rabbit meat, poultry meat and camel meat indicated an upward trend. Poultry production increased in 2014 due to increased demand in major towns.

Table 5.7: Meat Production

Products (MT)	2012		2013		2014	
	Quantity	Total value (Kshs Million)	Quantity	Total value (Kshs Million)	Quantity	Total value (Kshs Million)
Beef	94,823.6	37,929.4	96,764.5	38,705.8	113,450.3	45,380.1
Chevon	20,561.3	8,224.5	45,311.7	18,124.7	68,190.6	27,276.2
Mutton	14,149.2	5,659.7	21,852.1	8,740.8	91,589.6	36,635.8
Pork	17,590.7	7,036.3	8,159.9	3,263.9	42,804.3	17,121.7
Rabbit	233.6	93.4	321.6	128.7	348.4	139.4
Poultry	48,393.0	19,357.2	28,692.5	11,477.0	81,042.7	32,417.1
Camel	9,085.5	2,725.6	8,855.8	2,656.7	11,220.6	3,366.2
Total	204,836.8	81,026.2	209,958.1	83,097.6	408,646.5	162,336.5

Source: SDL

5.2.3 Other Products

Other livestock products such as eggs, honey, wax, wool, hides and skins experienced a slight increase in their production and values in 2014 when compared with 2013 (Table 5.8).

Table 5.8: Other livestock products

Products	2012		2013		2014	
	Quantity	Total value (Kshs)	Quantity	Total value (Kshs)	Quantity	Total value (Kshs)
Eggs (No. of trays)	197,062,582	59,118,774,730	170,213,441	51,064,032,250	171,183,941	51,355,182,240
Honey(Kg)	8,740,524	4,370,262,026	8,249,905	4,124,952,676	29,742,670	14,871,335,063
Wax (Kg)	947,365	757,892,160	749,963	599,970,533	736,210	588,967,613
Hides (No.)	41,266	4,126,600	112,885	11,288,500	923,536	92,353,600
Skins (No.)	307,484	15,374,200	646,666	32,333,300	1,388,149	69,407,450

Source: SDL

6.0 AGRICULTURAL INPUTS

6.1 Access to Agriculture Inputs and Credits

6.1.1 Seed

Table 6.1: Seed Production and Trade

CROPS	Import (Kg)	Local (Kg)	Grand Total(Kg)	Exports (Kgs-EAC)
Barley	0	1,462,350	1,462,350	420,000
Flowers	77	0	77	
Maize	3,251,536.766	5,101,873.5	8,353,410.266	2,390,293
Oats	0	323728	323728	
Oil Crops	3,222	93,780	97,002	40,338
Pasture Legumes	12,250	20	12,270	75
Pasture/Lawn	7,252	85,676	92,928	11,902
Pulses	745,689.617	1,040,030.5	1,785,720.117	15,685.375
Rice	0	385,704	385,704	
Sorghum/Millet	2,500	588,794	591,294	31,600
Vegetables	703,910.522	145,160.083	849,070.605	89,376.545
Wheat	0	1,577,350	1,577,350	408,750
Grand Total	**4,726,437.905**	**10,804,466.08**	**15,530,903.99**	**3,408,019.92**

Source: KEPHIS

6.1.2 Fertilizer Off-Take

6.1.2.1 Fertilizer Cost Reduction Strategy

A total of 444,805 MT of fertilizer was procured between 2009 and 2014 as a price stabilization mechanism. This intervention was aimed at contributing cheap fertilizer into the market to prompt private dealers to reduce their profit margins hence making fertilizer cheaper. Table 6.2 shows the funds spent by the government since the intervention started.

Table 6.2: Quantities of Fertilizer Procured under Government Bulk Procurement initiative

Financial Year	Total fertilizer requirement	Quantity of conventional fertilizers required	percentage of conventional fertilizers procured	Quantity Procured (MT)	percent of conventional fertilizers procured	Treasury allocation for Fertilizer Procurement (Kshs. M)
2009/2010	503,784	384,406	0.76	16,624	4.32	758
2010/2011	505,489	365,561	0.72	96,000	26.26	2,995
2011/2012	539,910	387,401	0.72	94,155	24.30	3,320
2012/2013	542,780	379,946	0.70	66,276	17.44	3,150
2013/2014	568,000	431,680	0.76	171,750	39.79	3,900
Total	**2,659,963**	**1,948,994**	0.73	**444,805**	**22.82**	**14,123**

Source: SDA

From table 6.2, it can be noted that the initiative contributed 22.82 percent of the conventional fertilizer requirement in the country for the last five years. Funding has been the major constraint since allocation from treasury on fertilizer procurement has been low. Under the bulk procurement initiative, the Ministry worked closely with National Cereals and Produce Board, Agricultural Development Corporation (ADC) and Kenya Seed Company (KSC) Ltd. The ADC and KSC usually purchase their quantities for certified seed production while the Ministry and NCPB procure quantities which are sold to farmers through NCPB network at subsidized prices.

Table 6.3: Fertilizer Subsidies

Fertilizer Type	Market price for 50kg bag Price (Kshs.)	Subsidized price for 50kg bag Price (Kshs.)
DAP	3,400	1,800
CAN	2,700	1,500
UREA	2,800	1,500
NPKs	3,150	1,800
SA	1,800	1,300

Source: ***SDA***

Table 6.4: AFC Lending to the Agricultural Sector

Financial Year	Amount Disbursed in Kshs. Millions	Number of Beneficiaries
2009/2010	1,533	6,256
2010/2011	2,146	7,742
2011/2012	1,671	8,499
2012/2013	3,318	17,414
2013/2014	3,229	16,887

Source: SDA

The Government, through the Agriculture, Food and Fisheries Authority (AFFA) Established Commodities Development Fund, which was made operational in August 2014 by merging the coffee Development Fund and the Sugar Development Levy. A total of Kshs 2.321 billion has so far been disbursed to coffee farmers in the coffee (Kshs 421 M) and Sugar (Kshs 1.9 billion) sub-sectors.

Agricultural Credit Guarantee Scheme (ACGS) has been implemented through the National Accelerated Agricultural Inputs Access Programme since 2008. Through the agreement signed by the Government and Participating Financial Institutions (PFIs) in implementation of ACGS, as at December 2014, four (4) PFIs namely Kenya Women Finance Trust, Cooperative Bank of Kenya, Family Bank and Equity Bank had cumulatively disbursed KSh 3.4 billion to 25,071 beneficiaries who included small scale farmers, agro dealers and other value chain players.

The government and its partners namely Equity Bank, Alliance for Green Revolution in Africa (AGRA), and International Fund for Agricultural Development (IFAD) implemented the Kilimo biashara partnership which supported access to farm inputs by farmers, input stocks by agro dealers and farm machinery by large scale farmers. As at December 2014, KSh5 billion had cumulatively been lent to 69,000 beneficiaries.

The Ministry implemented a number of programmes aimed at enhancing access to inputs by famers. The Kilimo Plus programme supported resource poor farmers with targeted subsidy in the form of an inputs package for growing one (1) acre of maize. In 2013/2014 FY the programme supported 9,050 farmers with inputs worth Kshs. 990 Million.

The Kenya Agricultural Genetic Resources Centre (KAGRC), through its network of agents distributed 566,506 and 626,009 vaccine doses in 2013 and 2014 respectively. The agent prices were on average lower than the non-agent prices by 14 percent for most breeds.

Table 6.5: Fertilizer off-takes

Year	Imports (metric tons)	Consumption (metric tons)
1990/91	228,215	227,715
1991/92	254,087	253,087
1992/93	232,895	232,895
1993/94	286,519	286,620
1994/95	281,211	281,771
1995/96	299,934	295,625
1996/97	262,701	254,022
1997/98	255,044	255,032
1998/99	210,869	264,251
1999/00	345,903	335,644
2000/01	350,989	317,409
2001/02	325,812	329,449
2002/03	312,281	380,236
2003/04	333,866	323,112
2004/05	473,810	351,776
2005/06	470,081	383,284
2006/07	481,784	410,217
2007/08	381,439	390,740
2008/09	440,689	470,508
2009/10	465,674	503,784
2010/11	493,567	505,489
2011/12	395,774	539,910
2012/13	522,595	542,780
2013/14	684448	568,000

Source: SDA

Table 6.6: Fertilizer Apparent Consumption by type

Fertilizer Type	Years			
	2,010	**2,011**	**2,012**	**2,013**
Phosphate rock	3,976	6,550	2,241	4,578
Ammonia, anhydrous	-	26	21	56
Ammonium Hydroxide	-	179	64	136
Magnesium Nitrate	374	53	50	692
Magnesium Sulphate	84	1	352	108
Potassium nitrate	729	1,646	1,685	995
Organic material, total	351	-	104	346
Urea	62,966	27,295	63,480	111,123
Ammonium sulphate	9,384	9,294	13,181	15,930
Ammonium nitrate	4,442	395	96	23
Calcium ammonium nitrate	40,937	131,363	53,000	99,898
Sodium nitrate	-	24	16	9
Calcium nitrate	5,800	10,371	7,843	16,056
Calcium Cyanamid	-	-	21	-
Urea and ammonium nitrate solutions	3	-	-	-
Other straight nitrogen	47	491	215	85
Superphosphate	-	754	749	596
Superphosphate above 35%	1,565	486	3,825	552
Potassium chloride (Muriate of potash)	3,353	1,887	4,410	6,014
Potassium sulphate	1,917	718	1,134	1,202
Other Straight Potash	1	-	-	-
NPK complex >10kg	-	-	-	-
NPK 26 5 5	57,354	70,372	64,215	63,966
NPK 25 5 5 + 5S	22,791	6,499	21,605	25,185
NPK 17 17 17	8,758	4,406	10,217	13,228
NPK 25 5 10	4,170	5,000	-	5,000
NPK 27 6 6 + 2S	-	2,055	-	4,980
NPK 14 14 20 + 1.5MgO + TE	3,499	3,737	4,072	2,975
NPK 20 10 10	19	-	18	2,140
Other NPK	9,603	6,432	23,334	1,809
Other NPK Unknown grades	2,814	3,607	4,411	-
Ammonium phosphate (DAP)	156,202	176,531	125,344	267,988
Monoammonium phosphate (MAP)	457	-	677	878
Other nitrogen & phosphates compounds(NPK 23:23:0 &NPK 20:20:0)	17,813	19,458	11,954	20,813
Other nitrogen & phosphorus compounds	-	-	-	16
PK compounds	274	159	121	22
NK compounds other than Potassium nitrate	29	3	21	466
Total	**419,711**	**493,572**	**424,794**	**665,373**

Table 6.7: Apparent Nutrient Usage by Crop

Year	2011			2012			2013		
	('000 metric tonnes nutrients)			('000 metric tonnes nutrients)			('000 metric tonnes nutrients)		
Fertilizer	**N**	**P_2O_5**	**K_2O**	**N**	**P_2O_5**	**K_2O**	**N**	**P_2O_5**	**K_2O**
Maize	3,242.60	1,964.75	0	3,454.92	1,990.03	0	2,703.69	2,256.41	0
Wheat	47.94	37.91	0	143.94	107.11	0	127.11	94.58	0
Barley	16.61	15.87	0	19.25	18.39	0	19.99	19.83	0
Beans	43.06	558.63	0	45.71	571.32	0	45.29	566.15	0
Rice	23.67	2.89	0	69.55	8.8	0	56.31	4.67	0
Sorghum	57.65	166.05	0	53.51	159.88	0	48.56	96.71	0
Millet	31.15	55.34	0	47.98	99.48	0	17.86	32.09	0
Cowpeas	35.94	50.41	0	41.04	57.92	0	33.24	46.16	0
Irish potato	16.88	220.2	0	16.94	227.47	0	20.26	40.52	0
Tomato	54.61	162.51	0	14.5	42.64	0	10.34	38.72	0
French beans	2.58	8.11	0	2.92	9.13	0	1.57	5.75	0
Snowpeas	1.48	4.61	0	1.63	5.11	0	0.86	3.14	0
Sugar Snaps	1.26	3.8	0.23	1.61	4.9	0.3	0.71	2.28	0
Garden peas	4.2	10.15	0	4.64	11.33	0	5.97	14.59	0
Spinach	1.31	3.12	0	1.29	3.06	0	1.33	3.15	0
Cabbage	3.6	7.25	0	3.99	8.01	0	5.25	10.54	0
Kales	11.06	11.2	0	11.65	11.4	0	11.59	11.34	0
Carrots	0.3	3.47	0	0.24	2.71	0	0.33	3.71	0
Bulb Onions	0.15	0.94	0	0.14	0.9	0	0.15	0.87	0
Banana	15.27	16.58	0	16.66	19.72	0	16.66	19.72	0
Mango	32.92	24.11	0.08	29.59	23.6	0.12	31.75	25.32	0.79
purple passion	7.39	20.1	2.01	7.39	20.3	2.06	9.44	25.9	2.59
Oranges	0.18	0.88	0	0.17	0.88	0	0.27	1.2	0
Lemons	0.05	0.26	0	0.05	0.25	0	0.06	0.29	0
Grape fruit	0	0	0	0	0	0	0.13	0.44	0
Lime	0	0	0	0	0	0	0.15	0.17	0.15
Tree tomato	1.28	2.98	0.19	0.32	0.75	0.06	0.01	0.5	0
Pineapples	6.52	1.93	126.73	0.32	2.26	23.27	1.13	0.64	0.08
Melons	1.81	2.62	0.01	1.78	2.67	0.01	0.75	1.13	0
Flowers	86.8	15.48	17.36	86.19	124.37	331.86	126.52	202.45	288.47
Coffee	53.13	3.88	3.88	52.6	3.84	3.84	52.36	3.82	3.82
Sugarcane	1,644.80	146.96	0.05	1,645.57	147.02	0.05	1,646.11	147.07	0.05
Tobacco	5.88	1.92	2.78	6.39	2.65	3.77	6.39	2.65	3.77
Tea	1,669.07	6.24	6.24	2,198.89	8.33	8.33	2,228.46	8.44	8.44
Total	7,121	3,531	160	7,981	3,696	374	7,231	3,691	308

Source: SDA

6.1.3 Access to Credit

Agriculture Finance Corporation (AFC) remained a key player in advancement of Agricultural credit to farmers while many commercial banks significantly increased lending to the sector. In the financial years 2012/2013 and 2013/14, AFC disbursed Kshs. 3.32 billion and Kshs. 3.23 billion to farmers respectively. The corporation had disbursed KSh 1.91 billion to farmers during the 2014-2015 FY asat March, 2015.

Table 6.8: Fertilizer Prices

Month	Type of Fertilizer (50 kg)	2013	2014
January	CAN	2,650	2,614
	DAP	3,785	3,459
	Mavuno	...	2,700
	MOP	4,000	...
	NPK 17:17:17	3,525	3,290
	NPK 20:10:10	...	...
	NPK 23:23:0	3,560	3,188
	NPK 25:55:5s	3,300	3,500
	Urea	3,300	2,900
	TSP	3,925	4,200
	NPK 20:20:0	3,600	3,000
	SSP	3,800	3,500
February	CAN	2,620	2,613
	DAP	3,877	3,533
	Mavuno	3,500	2,700
	MOP	...	...
	NPK 17:17:17	3,850	3,290
	NPK 20:10:10	...	...
	NPK 23:23:0	3,800	3,200
	NPK 25:55:5s	...	3,500
	Urea	3,463	3,000
	TSP	...	4,100
	NPK 20:20:0	3,450	3,000
	SSP	...	3,500
March	CAN	2,665	2,490
	DAP	3,715	3,400
	Mavuno	3,200	...
	MOP	...	3,800
	NPK 17:17:17	3,700	3,140
	NPK 20:10:10	...	...
	NPK 23:23:0	3,640	3,138
	NPK 25:55:5s	3,500	...
	Urea	3,450	2,775
	TSP	...	4,000
	NPK 20:20:0	3,425	3,100
	SSP	4,000	3,500

Month	Type of Fertilizer (50 kg)	2013	2014
April	CAN	2,589	2,455
	DAP	3,735	3,611
	Mavuno	3,050	...
	MOP	...	...
	NPK 17:17:17	3,317	3,250
	NPK 20:10:10	...	...
	NPK 23:23:0	3,440	3,213
	NPK 25:55:5s	...	3,350
	Urea	3,000	2,721
	TSP	...	4,000
	NPK 20:20:0	3,250	3,067
	SSP	...	3,233
May	CAN	2,671	2,433
	DAP	3,837	3,220
	Mavuno	3,500	...
	MOP	4,000	3,800
	NPK 17:17:17	3,633	3,325
	NPK 20:10:10	...	...
	NPK 23:23:0	3,636	3,083
	NPK 25:55:5s	3,500	3,350
	Urea	3,183	2,669
	TSP	4,200	4,000
	NPK 20:20:0	3,300	3,033
	SSP	3,500	3,550
June	CAN	2,872	2,519
	DAP	3,689	3,418
	Mavuno	3,300	...
	MOP	...	3,800
	NPK 17:17:17	3,458	3,307
	NPK 20:10:10	3,500	...
	NPK 23:23:0	3,508	3,114
	NPK 25:55:5s	3,500	3,500
	Urea	3,236	2,631
	TSP	4,000	4,000
	NPK 20:20:0	3,200	3,000
	SSP	3,500	...

Month	Type of Fertilizer (50 kg)	2013	2014
July	CAN	2,639	2,467
	DAP	3,573	3,167
	Mavuno	...	...
	MOP	3,800	3,800
	NPK 17:17:17	3,313	3,150
	NPK 20:10:10	3,500	...
	NPK 23:23:0	3,375	2,979
	NPK 25:55:5s	3,600	3,500
	Urea	2,957	2,481
	TSP	4,200	3,500
	NPK 20:20:0	3,333	3,000
	SSP	3,500	3,600
August	CAN	2,719	2,525
	DAP	3,556	3,314
	Mavuno	...	...
	MOP	3,800	...
	NPK 17:17:17	3,350	3,020
	NPK 20:10:10	3,500	...
	NPK 23:23:0	3,375	3,088
	NPK 25:55:5s	3,500	3,500
	Urea	2,850	2,650
	TSP	4,200	4,000
	NPK 20:20:0	3,150	3,000
	SSP	3,500	...
September	CAN	2,675	2,511
	DAP	3,608	3,200
	Mavuno	...	...
	MOP	3,800	4,133
	NPK 17:17:17	3,520	3,138
	NPK 20:10:10	3,500	...
	NPK 23:23:0	3,400	3,081
	NPK 25:55:5s	3,500	3,000
	Urea	3,310	2,679
	TSP	4,200	4,000
	NPK 20:20:0	3,233	3,200
	SSP	3,500	...

Month	Type of Fertilizer (50 kg)	2013	2014
October	CAN	2,719	2,427
	DAP	3,671	3,195
	Mavuno	...	...
	MOP	4,000	4,300
	NPK 17:17:17	3,400	3,150
	NPK 20:10:10	3,500	...
	NPK 23:23:0	3,420	3,114
	NPK 25:55:5s	3,500	3,000
	Urea	2,867	2,675
	TSP	4,200	3,800
	NPK 20:20:0	3,433	3,200
	SSP	3,450	3,500
November	CAN	2,586	2,425
	DAP	3,475	3,180
	Mavuno	3,050	...
	MOP	4,000	...
	NPK 17:17:17	3,392	3,128
	NPK 20:10:10	...	...
	NPK 23:23:0	3,330	3,025
	NPK 25:55:5s	3,500	2,833
	Urea	3,163	2,619
	TSP	4,200	...
	NPK 20:20:0	3,800	3,200
	SSP	3,500	...
December	CAN	2,520	2,440
	DAP	3,575	3,167
	Mavuno	3,050	...
	MOP	3,800	...
	NPK 17:17:17	3,233	3,105
	NPK 20:10:10	...	...
	NPK 23:23:0	3,233	3,019
	NPK 25:55:5s	3,500	2,833
	Urea	2,950	2,575
	TSP	4,000	...
	NPK 20:20:0	3,300	3,200
	SSP	3,500	...

Source: SDA

6.1.4 Wholesale and Retail Prices

Wholesale and retail prices for food crops have remained relatively stable for the last three years (2012-2014). For example, the dry maize wholesale price per 90 Kgs bag slightly increased from Kshs. 2,861in 2013 to Kshs. 2,928 in 2014. This was stable price compared to the year 2012 price of Kshs. 3,133 per 90 Kgs bag. The price of kales, cabbages and crops slightly reduced. Kales wholesale price went down from Kshs. 1,107 in 2013 to Kshs. 925 in 2014. However prices of some food crops slightly went up in the year 2014 compared to the year 2013. For example the retail price of beans rose from Kshs. 71.81 in 2013 to Kshs. 76.82 per kilogram in 2014. Similarly the price of tomatoes increased from Kshs. 58.22 in 2013 to Kshs. 63.22 in 2014 per kilogram.

Table 6.9: Wholesale Prices

				2012	2013	2014
Class/Group	**Commodity**	**Package**	**Kg**			
Cereal	Dry Maize	Bag	90	3,133	2,861	2,928
	Green Maize	Ext Bag	115	2,838	2,840	2,680
	Finger Millet	Bag	90	5,945	5,933	6,624
	Sorghum	Bag	90	3,806	3,582	3,820
	Wheat	Bag	90	3,829	4,012	4,080
Legumes	Beans Canadian	Bag	90	5,858	5,735	6,233
	Beans Rosecoco	Bag	90	5,809	5,790	6,121
	Beans Mwitemania	Bag	90	5,648	5,290	5,677
	Mwezi Moja		90	5,633	5,687	6,119
	Beans Dolichos (Njahi)	Bag	90	7,638	7,558	7,482
	Green Gram	Bag	90	7,600	7,382	8,694
	Cowpeas	Bag	90	6,192	5,497	5,744
	Fresh Peas	Bag	51	3,360	2,829	2,767
	Groundnuts	Bag	110	11,382	11,385	12,224
Roots & Tubers	Red Irish Potatoes	Bag	110	3,785	3,023	3,108
	White Irish Potatoes	Bag	110	3,745	2,954	3,092
	Cassava Fresh	Bag	99	2,135	2,006	1,947
	Sweet Potatoes	Bag	98	3,227	2,816	2,882
Horticulture	Cabbages	Ext Bag	126	2,090	1,977	1,751
	Cooking Bananas	Med Bunch	22	558	540	498
	Ripe Bananas	Med Bunch	14	583	606	1,015
	Carrots	Ext Bag	138	3,137	3,497	3,221
	Tomatoes	Large Box	64	3,099	3,448	4,223
	Onions Dry	net	13	1,059	892	903
	Spring Onions	Bag	142	1,974	2,033	2,240
	Chillies	Bag	38	2,811	2,583	2,643
	Cucumber	Bag	50	1,881	2,154	2,119
	Capsicums	Bag	50	2,561	2,634	2,499
	Brinjals	Bag	44	1,490	1,663	1,669
	Cauliflower	crate	39	2,065	2,535	2,265
	Lettuce	Bag	51	4,029	3,560	3,651
	Passion Fruits	Bag	57	3,676	3,729	4,063
	Oranges	Bag	93	2,904	2,839	2,936
	Lemons	Bag	95	1,600	2,102	2,073
	Mangoes Local	Bag	126	1,888	2,150	2,049
	Mangoes Ngowe	Small Basket	25	1,051	1,051	1,090

				2012	2013	2014
Class/Group	**Commodity**	**Package**	**Kg**			
Horticulture	Limes	net	13	694	696	740
	Pineapples	Dozen	13	728	760	731
	Pawpaw	Large Box	54	1,468	1,531	1,490
	Avocado	Bag	90	1,876	2,283	2,105
	Kales	Bag	50	1,079	1,107	925
Others	Eggs	Tray		288	300	312

Source: SDA

Table 6.10: Retail Prices for Selected Crops (KShs/Kg)

Year	Maize	Finger Millet	Sorghum	Beans	Potatoes	Cabbages	Tomatoes	Bananas	Sukuma wiki
2010	21.07	57.87	35.55	59.89	18.97	16.47	44.64	26.87	26.17
2011	39.27	69.11	48.09	75.83	29.42	21.68	48.95	37.18	30.12
2012	42.96	73.05	57.13	78.03	36.36	29.71	51.46	39.26	33.15
2013	36.83	76.42	50.97	71.81	31.15	27.57	58.22	37.77	35.89
2014	38.60	79.60	56.04	76.82	30.90	23.99	63.22	39.51	35.52

Source: KNBS

6.2 Fisheries Inputs

6.2.1 Fishing Crafts and Gears

In 2014 there were a total of 18,520 fishing crafts country wide distributed as follows: lake Victoria 13,402; Marine artisanal 2,913; lake Turkana 1,650; Tana river dams 180, lake Kanyaboli 99; Tana river delta 93; lake Naivasha 50; lake Baringo 47; lake Jipe 46 and lake Kenyatta 40. The prices of net gears such as gill nets, small seines depend on the plier that is the strength of the thread. For hooks the prices depend on the hook size and the material the hook is made of. Prices of gill nets or small seine nets when mounted range from Kshs 4,500 – 7,500 for 100 metres net while hooks prices range from Kshs 200 – 250 per packet with 100 hooks.

6.2.2 Fish Feeds

Currently the price of fish feeds ranges from Kshs 80 – 120 per kg depending on the crude protein level. The higher the crude protein levels the higher the price. The combined effect of poor quality and high costs results in low productivity. Some fish farmers cluster groups have resulted to bulk manufacturing of fish feeds hence enjoying the economies of scale. Technical officers have been training the farmers on formulations of homemade fish feed rations. The national government in an attempt to ensure access to affordable and quality fish feeds, provided cottage fish feed pelletizing machines to cluster groups in the Country.

6.2.3 Fish Seeds

In Kenya aquaculture's contribution has in the recent years began to increase and is expected to continue to rise. The rapid growth of aquaculture has seen a great deal of increased requirement for large volumes of fish seed. Current national seed requirements stand at 100,000,000 fish seed per year. The Ministry has facilitated upgrading of Sagana Culture Farm into a National Research & Training Centre with a holding capacity of over 200,000 brood-stocks. It has trained and authenticated over 100 hatchery operators to produce high quality fish seeds to meet the demand. A national seed certification programme has been developed.

The price of fingerlings varies depending on size and sex. For example tilapia mixed sex of 5 cm costs Kshs. 8, while 10 cm was Kshs. 10, monosex (all males) 5 cm Kshs. 10 and 10 cm was Kshs. 15. On the other hand catfish of 5 cm costed Kshs. 10 while the 10 cm was at Kshs. 20.

The Ministry constructed over 27,000 fish pond at a cost of Kshs. 25,000 per pond. Additionally the government stocked the ponds with 27 million fingerlings costing a total of KShs. 270 million and farmers provided with a feed package amounting to Ksh1.20 billion. The initiative benefitted 25,000 farmers.

6.3 Livestock Inputs

6.3.1 Commercial feeds and supplements

The commonly available commercial feeds used as supplements in the livestock industry and their average prices are shown in Table 6.11. Due to high in the cost of ingredients needed to manufacture the concentrates, prices were generally on the upward trends.

Table 6.11: Commercial Feeds and Supplements

Feed Type	Quantity	Price in 2012	Price in 2013	Price in 2014
Hay bale	20kg	-	-	250
Dairy meal	70kg	1,900	1,800	2200
Dairy cubes	70kg	-	2,300	2500
Calf pellets	70kg	-	2,400	3000
Chick and duck mash	70kg	2,750	2,500	2,500
Layer mash	70kg	-	-	2900
Growers mash	70kg	2,250	2,500	2,200
Pig finisher	45kg	2,200	1,500	1,750
Wheat bran	30kg	700	1,000	700
Fish meal	1kg	70	80	100
Cotton seed cake	1kg	60	60	60
Maize germ	1kg	35	40	50

6.4 Agricultural Mechanization

Currently the use of motorized power stands at 30 percent, hand and animal draught (ADP) is 50 percent and 20 percent respectively. Provision of agricultural mechanization services is offered by individual farmers, private contractors and the public sector including Agricultural Mechanization Stations (AMS) and Agricultural Technology Development Centers (ATDCs).

6.4.1 Investments in Agricultural Mechanization

Kenya has about 10,000 tractors with similar number of implements for other farm operations. An additional 3,500 tractors are required to replace the old ones. In the recent past (2012 - 2014) approximately 1000 tractors are imported annually leaving a deficiency of 2500 tractors. The major investors in mechanization are the private sector with the Government complementing and intervening in areas of deficiencies.

Table 6.12: Tractor Imports 2004 - 2013

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
MF	39	66	119	367	678	211	67	128	182	220	268
Ford New Holland	115	112	146	434	439	213	460	392	383	589	516
Same	0	0	0	35	8	2	54	114	87	101	84
John Deere	3	2	4	53	1	28	0	0	39	41	79
Fiat	0	0	0	10	0	4	0	0	0	0	1
Case	0	0	0	0	12	48	41	37	65	75	67
Others	2	3	3	22	55	0	38	57	120	223	197
TOTAL	**159**	**117**	**272**	**921**	**1,193**	**508**	**660**	**728**	**876**	**1029**	**1212**

Source AES and KRA import documents 2004-2014

6.4.2 Agricultural Technology Development Centres (ATDC)

These centers were established in 1986 as Rural Technology Development Centers and rebranded into ATDC. The establishment of the centres was supposed to address the challenges of on farm mechanization, value addition, and post-harvest management for small to medium scale farmers. Following devolution, the changed mandate of ATDCs is to assist the National Government in influencing policy applications, monitoring and evaluations in agricultural subsector. The centers are distributed across the country based on ecological zones.

6.4.3 Validated technologies promoted

Land preparation equipments includes:-

i. **Ploughing:-** Animal draft plough with ridger, cultivators; walking 18HP tractor with metal wheels, moldboard plough, trailer, other small tractors and attachments plough, ridger, and trailer and power tillers; animal drawn equipment with attachments zim-plough, rippers, cultivator and sub-soiler;
ii. **Rotavation:-** Walking 18HP tractor with rotavator;
iii. **Planting: -** Hand jab planters, animal drawn no-till seeder and animal drawn precision planters,
iv. **Crop protection equipments:-** Manual zim-wipers for herbicides, manual drawn sprayers and animal drawn boom sprayers.
v. **Conservation Agriculture equipments:-** Small tractor 16hp with CA direct seeder, sub soiler, trailer, and boom sprayer.

7.0 KEY RECENT REFORMS

The Ministry has undertaken various reforms geared towards improvement of service delivery in line with the national functions articulated in the Constitution. Among these include policy, institutional and regulatory reforms.

7.1 Ministry Semi-Autonomous Government Agencies (SAGAs)

The Ministry has a number of SAGAs that contribute to national development through carrying out regulatory, commercial, service and training functions. A major reform indicator include; the operationalization of Agriculture Food and Fisheries Authority (AFFA) Act 2013, and Kenya Agriculture and Livestock Research Organization (KALRO) Act 2013. The Science, Technology and Innovation (STI) Act 2012 was also operationalized resulting to reforms in Kenya Marine and Fisheries Research Institute (KMFRI). The KALRO Act resulted in consolidation of four research institutions namely; Kenya Agricultural Research Institute (KARI), Kenya Sugar Research Foundation (KESREF), Tea Research Foundation (TRF) and Coffee Research Foundation (CRF). The AFFA is composed of Oil and Nuts, Horticultural Crops, Fibre Crops, Coffee, Tea, Sugar, Food Crops and the Pyrethrum directorates. The AFFA Act also establishes the Fisheries Directorate which is yet to be operationalized.

7.2 Inter-Governmental Secretariat (IGS)

The Intergovernmental Relations Act of 2012, provided for the establishment of various institutions to provide platform for engagement and dialogue between the two levels of governments. In September, 2013, Ministry of Devolution and Planning organized a meeting where a decision was made that Intergovernmental Consultative Forum (ICF) be established in Ministries that had their functions significantly devolved. The Ministry of Agriculture, Livestock and Fisheries is one of those Ministries whose functions had been substantially devolved and this necessitated establishment of the IGS with a purpose of facilitating engagement between the National Government and County Governments and relevant stakeholders. The Secretariat provides a platform for dialogue between critical stakeholders in the sector by acting as the liaison agent between the National and County governments. Further the IGS coordinates the attainment of policy goals and standards in the sector.

7.3 Transformation Secretariat (TS)

Transformation Secretariat is a Secretarial of Joint Technical Working Group (JTWG) between the ministry's top management and development partners. TS develops and supports the common programmes framework (CPF) that defines broad programmes and projects areas for elaboration of projects for support by development partners. It is responsible for supporting and coordinating transformation initiatives in the ministry and the sector.

7.4 Policy Development and Review

Various policies and strategies have been reviewed and/or developed from 2010 to date. These include: National Agricultural Research Systems Policy (NARSP) 2012, National Livestock Policy(2008); National Oceans and Fisheries Policy,2008; National Aquaculture Communication Strategy, 2011; National Food and Nutrition Security Policy (NFNSP) 2012; National Seed Policy 2011; National Agriculture Sector Extension Policy (NASEP) 2012, National Agribusiness Strategy (NAS) 2012, National Horticulture Policy, 2012, National Rice Development Strategy, National Tuna Fisheries Management and Development Strategy, 2013; and National Aquaculture Policy, 2011.

Drafts for several other policies and strategies such as the Livestock Breeding Policy, Animal Feeds Policy, Veterinary Policy, National Sugar Strategy, National Dairy Development Policy, National Poultry Policy, Bee Keeping Policy, Camel Policy, National Marine Fisheries Strategy, Fishiries Monitoring, Control and Surveillance Strategy, National Urban and Peri-Urban Agriculture Policy, National Emerging Crops Policy, National Agriculture Policy, Livestock and crops Insurance Policy, National Emerging Livestock Strategy, Agro-Chemical Policy, National Organic Agricultural Policy. National Cotton Policy, National Cereals Policy, National Oil and Nut Crops Policy, Agriculture Mechanization Policy, National Irrigation Policy and Gender Policy are in various stages of development.

The Agriculture, Fisheries and Food Authority (AFFA) Act, 2013; Crops Act, 2013; Pyrethrum Act 2013, the KALRO Act 2013; and were passed by Parliament and their requisite regulations developed. Warehouse Receipting Bill was finalized and various others were forwarded to parliament which include; Livestock Bill; Fisheries Management Development Bill; Seed and Plant Varieties Amendment Act; Sugar Amendment Bill; and Coffee Amendment Bill. The Kenya School of Agriculture Bill was finalized awaiting forwarding to Parliament.

8.0 TRENDS IN BUDGET ALLOCATION TO MINISTRY

8.1 Contribution of Agriculture to the Economy

The Agriculture Sector contributes directly to the national economy through income generation, employment and wealth creation, foreign exchange earnings as well as ensuring food security. On average, the sector contributes about 26 percent to the GDP and accounts for 60 percent of total export earnings. It accounts for 65 percent of Kenya's total exports and 18 percent and 60 percent of the formal and total employment respectively. It further contributes about 75 percent of industrial raw materials.

8.2 Allocation and Expenditure Analysis for 2012/13 – 2014/15

The total allocation to agriculture increased from Kshs.32.5 billion in 2012/13 to Kshs 45.8 billion in 2013/14 and decreased to Kshs 36.9 billion in 2014/15 (Table 8.1). The increase in 2013/14 was attributed to a new programme on irrigation and drainage infrastructure that was allocated Kshs 12 billion while the decrease in 2014/15 was as a result of devolved functions and a total of 12,590 staff to County Governments. Total absorption rate declined from 84.7 percent in 2012/13 to 82.5 percent in 2013/14. This was occasioned by challenges in procurement and donor conditionalities, among others.

Table 8.1: Allocation and Expenditure Analysis

Vote	Approved Estimates (Million KShs)				Actual Expenditure(Million KShs)		
	2011/12	**2012/13**	**2013/14**	**2014/15***	**2011/12**	**2012/13**	**2013/14**
Recurrent	13,490	14,404	12,590	10,714	13,042	13,690	11,714
Development	18,692	18,129	33,280	26,267	14,448	13,879	26,081
Total	**32,182**	**32,533**	**45,870**	**36,981**	**27,490**	**27,569**	**37,795**

Printed Estimates
Source: 2013 and 2014 ARUD Sector Reports

An analysis of the expenditure trends for the period 2011/12-2013/14, indicate that, in general, Development expenditure was lower at 77.6 percent compared to Recurrent expenditure at 95 percent. This was attributed to low absorption by development projects and programmes owing to a number of challenges which include donor conditionalities and slow procurement processes, among others. In 2013/14, the development expenditure was 78.4 percent compared to 93.3 percent recurrent expenditure.

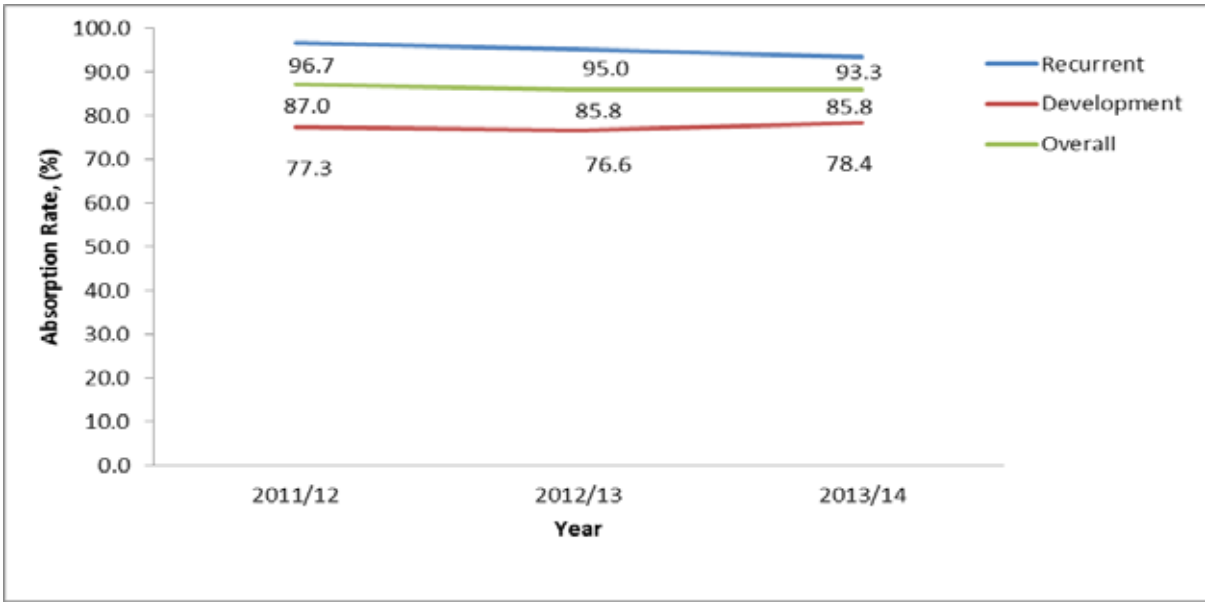


Figure 8.1:Ministry Funds Absorption Rate
Source: MOALF

8.3 Analysis of Resource Allocation by State Departments

In 2014/15, the State Department of Agriculture received 79 percent of the resources while Livestock and Fisheries received 15 percent and 6 percent of resources respectively (Table 8.3).

Table 8.2: Resource Allocation by State Departments

State Department	Approved Estimates (Kshs Million)			
	2011/12	**2012/13**	**2013/14**	**2014/15***
Agriculture	20,848	21,454	38,251	29,313
Livestock	7,002	7,492	4,678	5,533
Fisheries	4,332	3,587	2,941	2,134
Total	**32,182**	**32,533**	**45,870**	**36,980**

**** Printed Estimates***
Source: 2014 ARUD Sector Report

The huge budget for State Department of Agriculture in 2013/14 was attributed to a new programme on irrigation and drainage infrastructure that was allocated Kshs 12 billion.

8.4 Analysis of Recurrent Budget

The recurrent allocation to the Ministry declined by 20.6 percent from KSh.13,490 million in 2011/12 to Kshs 10,714 million in 2013/14 (Table 8.3). This was occasioned by devolution of some Ministry functions and staff to the counties during the period under review. The absorption of the recurrent budget dropped from 96.7 percent in 2011/12 to 94 percent in 2013/14.

Table 8.3: Trends in total Recurrent expenditure by State Departments

State Departments	Approved Budget Estimates (Kshs. Millions)				Actual Expenditure (Kshs. Millions)		
	2011/12	**2012/13**	**2013/14**	**2014/15***	**2011/12**	**2012/13**	**2013/14**
Agriculture	8,680	9,081	9,009	7,905	8,378	8,523	8,347
Livestock	3,679	4,020	2018	1,838	3,552	3,972	1,962
Fisheries	1,131	1,303	1,424	971	1,112	1,195	1,405
TOTAL	**13,490**	**14,404**	**12,451**	**10,714**	**13,042**	**13,690**	**11,714**

****- Printed Estimates***
Source: 2014 ARUD Sector Report

8.5 Analysis of Development Expenditure

The development budget of the Ministry increased substantially from Kshs.18.7 billion in 2011/12 to Kshs. 33.3 billion in 2013/2014 (Table 8.4). This was mainly due to enhanced funding for irrigation development in the Galana/Kulalu Food Security Project. Actual expenditure increased from 76.6 percent in 2012/13 to 78.4 percent in 2013/2014.

Table 8.4: Analysis of Development Expenditure by State Departments

State Departments	Approved Budget Estimates				Actual Expenditure		
	2011/12	**2012/13**	**2013/14**	**2014/15***	**2011/12**	**2012/13**	**2013/14**
Agriculture	12,168	12,373	29,092	21,408	9,172	8,730	22,806
Livestock	3,323	3,472	2660	3,696	2,876	3,349	2,009
Fisheries	3,201	2,284	1,517	1,163	2,400	1,800	1,266
TOTAL	**18,692**	**18,129**	**33,269**	**26,267**	**14,448**	**13,879**	**26,081**

"*"= Printed Estimates
Source: 2014 ARUD Sector Report

Table 8.5: Ministry Expenditure Review by Programme (Kshs Million)

Programme	Approved Estimates (Kshs. Millions)				Actual Expenditures (Kshs. Millions		
	2011/12	**2012/13**	**2013/14**	**2014/15***	**2011/12**	**2012/13**	**2013/14**
1. Policy, Strategy and Management of Agriculture ***(Renamed in General Administration, Planning and Support Services 2014/15)***	3,445	2,999	1,219	2,284	2,886	2,588	1,106
2. Crop Development Management ***(Renamed Crop Development and Market Access Services in 2014/15)***	12,765	14,465	12,978	15,179	11,075	10,779	10,748
3. Agribusiness and Information Management	4,638	3,990	11,962	-	3,589	3,886	9342
4. Irrigation and Drainage Infrastructure	0	0	12,092	11,850	0	0	9,370
5. Fisheries Development	4,332	3,587	2,941	2,134	3,512	2,995	2671
6. Livestock Resource Management and Development	7,002	7,492	4,678	5,533	6,428	7,321	3,971
Total	**32,182**	**32,533**	**45,870**	**36,980**	**27,490**	**27,569**	**37,208**

"*"=Printed Estimates, "-" = programme dropped.

Source: 2014 ARUD Sector Report

9.0 PROGRAMMES AND PROJECTS

9.1 Overview

The Ministry of Agriculture, Livestock and Fisheries supports agricultural and economic development through implementation of various initiatives. The initiatives are designed in form of projects and programmes that are financed and implemented by GoK or in collaboration with Development Partners. Some fall under the mandate of one State Department while others cut across the State Departments and the agriculture sector. The projects and programmes objectives spin around achievement of food security, increasing agricultural productivity, employment creation, income generation and, poverty reduction.

There are many Projects and Programmes in the Ministry and this section capture major ones. Administration of these initiatives is at a national level and Development Partners channel financial support via the National Treasury.

9.2 State Department of Agriculture Programmes and Projects

State Department of Agriculture, projects and programmes are coordinated through Agricultural Projects Coordination Unit (APCU). The major Programmes and Projects are summarized below indicating their scope, status and cost:

Table 9.1: State Department of Agriculture Projects and Programmes

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
1	Agricultural Sector Development Support Programme (ASDSP)	National-47Counties	To increase equitable income, employment and improve food security of male and female target groups through improved production and productivity in the rural smallholder farm and off farm sectors	2012 to 2017 ongoing and on schedule	GoK/ SIDA, KES 5.087 Billion from SIDA and KES 1 Billion from GoK, total KES 6.087Billion
2	Kenya Agricultural Productivity Project and Agribusiness Project (KAPAP)	20 Counties	To increase agricultural productivity and incomes of participating smallholder farmers	2008 to 2015 ongoing and on schedule	GoK/ World Bank Total cost USD 67 Million (KES 6 Billion) out of IDA Credit
3	Kenya Agricultural Productivity and Sustainable Land Management Project (KAPSLM)	9 Counties	To facilitate agricultural producers and other natural resource users to adopt environmentally-sound land management practices without reducing their incomes.	2010 to 2015 ongoing and on schedule	USD 10M GEF Grant through the World Bank
4	Kenya Adaptation to Climate Change in Arid and Semi-Arid Lands (KACCAL)	4 Counties in ASALs	To enhance the resilience of communities and the sustainability of rural livelihoods threatened by climate change in the ASALs	2012 to 2016 Project is new launched in 2014.	USD 5.5M GEF Grant through the World Bank

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
5	National Accelerated Agricultural Inputs Access Project (NAAIAP)	41 Counties	To improve inputs (seed and fertilizers) access and affordability for targeted 1.8 million resource poor farmers.	Started in 2007 implemented every FY ongoing and on schedule	GoK funded based on current FY 2014/2015 FY KES 47Million was allocated
6	Njaa Marufuku Kenya (NMK)	National (47 Counties)	To contribute to reduction of poverty, hunger and food insecurity among poor and vulnerable communities in Kenya	2006 to 2015. ongoing and on schedule	GoK funded started in 2006/2007 with an annual allocation of about KES 200M giving a total of KES 1.7 Billion to date
7	Eastern Africa Agricultural Productivity Project (EAAPP)	24 Counties	To increase agricultural productivity and competitiveness of agriculture sector, increase farm incomes, reduce poverty and improve food security in Eastern Africa	2009 to 2015. ongoing and on schedule	GoK / World Bank Total cost USD 30M (KES 2.4 Billion)
8	Small-scale Horticulture Development Project (SHDP)	8 Counties- 9 Irrigation Schemes	To contribute to poverty reduction and enhance food security.	2008 to 2015. ongoing and on schedule	GoK/ AfDB Total cost KES 2.075 Billion
9	Drought Resilience and Sustainable Livelihoods Project (DRSLP)	6 Counties:	To enhance drought resilience and improve sustainable livelihoods of communities in ASALs of Kenya.	2013 to 2018. ongoing and on schedule	GoK/ AfDB Total cost: KES 4.9 Billion loan from AfDB, KES 575.5 Million from GoK
10	Smallholder Horticulture Empowerment & Promotion Unit Project (SHEP UP)	33 Counties:	To improve the livelihood of smallholder horticulture farmers	2010 to 2015	GoK/ JICA Total cost KShs 373 Million
11	Smallholder Horticulture Empowerment Promotion Project for Local and Up scaling (SHEP PLUS)	18 Counties	To increase number of horticulture smallholders applying the SHEP Approach and improve their livelihood	2015 to 2020 design and planning for next phase complete	GoK/JICA Estimated cost KES 300Million
12	Smallholder Horticulture Marketing Programme (SHoMAP)	7 Counties	To increase domestic horticulture productivity and improve the produce and input marketing system.	2007 to 2015 completed in December 2014 and ending in June 2015	GoK/ IFAD Total cost of KES 2.3 Billion

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
13	Kenya Census of Agriculture- KCA	Pilot census-6 Counties Main census -47 Counties	To conduct the first agricultural census in Kenya	2014 to 2017. on schedule Preparatory phase complete Pilot census in August 2015 Main census in 2016 after Cabinet approval	GoK/ World Bank, Finland Embassy and FAO Estimated cost. KES 11Billion
14	Rice-based Marketing Agriculture Promotion Project (RICEMAPP)	1 County Kirinyaga	To establish, disseminate and promote adoption of the Market-oriented Approach in Mwea Irrigation Scheme and other Schemes	2012 to 2017. ongoing and on schedule	GoK/JICA KES 77.355 Million from JICA and KES 101.6 Million from GoK, total KES 179 Million
15	Traditional High Value Crops Programme (THVC)	31 Counties in ASAL areas	To Increase productivity by facilitating access to affordable quality inputs and services for food and nutrition security, diversification, To reduce the gap between consumption and production	Started in 2006 and is implemented every financial year. ongoing and on schedule	GoK funded Total amount received since 2006 to date is KES 1.35 Billion
16	Project for Enhancing Gender Responsive Extension Services (PEGRES)	3 Counties:	To improve the livelihoods of smallholder female and male farmers, pastoralists and fisher folks.	2014 to 2017 ongoing and on schedule	GoK and JICA. GoK KES.21, 608,000 JICA KES. 273,832,000 Total cost KES. 295,440,000
17	Youth in Modern Agriculture Project (YMAP)	5 Counties:	To increase youth participation in horticultural production, agribusiness and agro-processing	Started in the FY 2012/ 2013 and is implemented every FY ongoing and on schedule	GoK funded KES 60 Million in 2012/2013FY, KES 58 Million in 2013/2014FY, KES 30 Million in 2014/2015 FY Total cost to date KES 118 Million

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
18	Urban and Peri-urban Agriculture Project (UPAP)	3 Counties	To increased employment and income generating opportunities for youth and women through urban agriculture, livestock and fisheries businesses	Started in 2013 Implemented every FY Currently being implemented only in Nairobi County. Ongoing and on schedule	GoK funded Total cost KES 36 Million
19	Kenya Cereal Enhancement Project and Kenya Climate Resilient Agricultural Livelihoods Project- KCEP -CRAL	15 Counties	To contribute to the reduction of rural poverty and food insecurity of smallholder farmers in the ASALs by support to tap into the economic potential of targeted value chains	2015 to 2021. on schedule negotiations ongoing	GoK/EU/ IFAD/ FAO Total cost KES 13.3 Billion
20	Strengthening Fertilizer Quality and Regulatory Standards in Kenya	National-47 Counties	To contribute to food security through enhanced fertilizer quality and regulatory standards	2015 to 2017. on schedule	KES 41 Million

9.3 State Department of Fisheries Programmes & Projects

The State Departments of Fisheries continues to implement a number of programmes and projects geared towards achieving sustainable fisheries management and development, research, value addition and meeting international obligations. Some of the projects started over the review period (Table 9.2).

Table 9.2:State Department of Fisheries Projects and Programmes

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
1	Aquaculture Mini Processing Plants	Kakamega, Meru, Migori and Nyeri	To reduce post-harvest losses and promote marketing along the value chain	2011/12 to 2015 Complete in 3 Counties ongoing in 1 Migori county	235 M/ GoK
2	Offshore Patrol Vessel	Kenya EEZ	To conduct surveillance and inspection of fishing vessels in the exclusive economic	2011-17 FY	3.5 B/ GoK
3	National Fish Quality Laboratories	Nairobi City County	To build capacity for national fish testing for improved market	2012 - 16	700M / 56M GoK and Spain Government 644M

S/No	Name	Scope	Objective	Period and Status	Cost/ source of Funds
4	MCS Center	Mombasa County	To facilitate fisheries surveillance in Kenya EEZ	2014 - 17	43 M / GoK
5	Marine and Ocean Service Centre	KMFRI	To facilitate marine fisheries research	2009 - 15	226M/ GoK
6	Kenya Coastal Development Project (KCDP)	Mombasa, Kwale, Kilifi, Tana River and Lamu	To promote environmentally sustainable management of Kenya's coastal and marine resources.	2010 - 16	3.5 B/ GoK 350M and IDA & GEF 3.15B

9.5 State Department of Livestock Programmes & Projects

The State Departments of Livestock targets development of the livestock sub sector through support to the various livestock enterprises which include: cattle, poultry, sheep and goats, rabbits, apiculture, pigs, camels and emerging livestock. Livestock programmes and projects are aimed at supporting pastoralists in the ASALs and dairy farmers in high rainfall areas.

Table 9.3: State Department of Livestock Projects and Programmes

S/No.	Name	Scope	Objective	Period and Status	Cost /Source of Funds
1	Smallholder Dairy Commercialization Project	9 Counties (Nakuru, Bomet, Nandi, Uasin-Gishu, Transzoia, Bungoma, Nyamira, Kisii)	To increase the incomes of poor rural households that depend substantially on production and trade in dairy products for their livelihoods.	2006 - 15 On-going	GoK (5%) IFAD (95%) -Grants/Loans
2	Regional Pastoral Livelihoods Resilience Project	All ASAL Counties	To enhance drought resilience of pastoralists and agro-pastoralists in drought prone areas.	2014-2009 (On-going)	World Bank - US$75 million
3	Mainstreaming Sustainable Land Management in Agro-pastoral Production Systems of Kenya (SLM)	4 Counties; Embu Garissa Kitui Narok	To provide a basis for economic development, food security and sustainable livelihoods while restoring ecological integrity	2010-2015 (On-going)	GEF (US$ 3,030,734) UNDP (US$ 1,000,000) GOK (US$ 3,660,000) Others (US$4,000,000): parallel initiatives Total: US$ 11,690,734)

S/No.	Name	Scope	Objective	Period and Status	Cost /Source of Funds
4	Establishment of Coast Disease Free Zone	Counties of Kwale, Mombasa, Kilifi, Taita-Taveta, Tana River and Lamu.	To increase market access for animal and animal products	On-going	GoK Ksh 3 billion

ANNEXES

Annex 1: Maize Production by County

Year	2012			2013			2014		
County	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)
Nairobi City	1,018	9,462	15.0	1,017	8,913	14.6	913	8,220	15.0
Kiambu	44,821	309,236	14.0	43,210	240,105	11.3	24,450	82,044	6.8
Kirinyaga	31,935	517,355	19.0	40,103	535,968	15.7	32,992	413,143	14.7
Murang'a	56,654	560,692	14.0	61,416	631,697	14.3	61,543	580,734	13.1
Nyandarua	19,588	304,909	24.0	10,490	174,255	25.6	10,366	145,591	21.6
Nyeri	33,593	289,628	14.0	61,416	535,188	14.3	61,543	492,011	13.1
Kilifi	70,672	206,942	3.7	647	3,446	6.7	653	3,334	6.4
Kwale	39,490	146,941	5.0	39,910	147,169	4.9	34,644	349,695	13.5
Lamu	20,127	215,668	12.0	21,324	373,170	19.4	35,261	395,000	12.4
Mombasa	1,003	5,010	6.0	1,001	4,509	5.0	653	3,751	5.7
Taita/Taveta	13,986	56,808	5.0	15,592	185,545	14.0	653	9,142	13.0
Tana River	6,269	59,527	11.0	8,290	105,696	14.2	9,582	126,561	14.7
Embu	45,215	519,442	11.7	26,820	390,054	14.8	26,720	295,677	11.3
Isiolo	987	10,880	11.3	1,015	11,920	0.3	1,385	7,298	5.4
Kitui	77,210	613,756	8.2	93,600	416,661	4.6	84,763	339,832	4.1
Machakos	149,338	1,010,294	7.3	133,408	1,023,323	8.3	139,090	694,189	5.4
Makueni	102,825	797,583	7.9	183,338	919,818	5.1	181,089	860,442	4.9
Marsabit	274	2,382	8.9	990	10,972	11.3	1,571	17,575	11.4
Meru	96,244	1,583,319	16.8	95,594	1,029,405	11.0	110,489	1,243,949	11.5
Tharaka-Nthi	26,779	424,353	16.2	30,026	272,391	9.2	29,916	283,014	9.6
Garissa	433	4,562	10.7	205	2,208	10.9	245	2,208	9.1
Mandera	215	-	-	1,987	14,719	7.4	2,682	17,874	6.7
Wajir	268	2,125	8.4	550	4,165	8.0	660	1,241	2.0
Homabay	67,420	1,083,475	17.3	74,359	1,226,441	17.7	79,667	1,382,943	18.7
Kisii	59,635	1,083,476	28.2	63,710	1,455,814	24.6	62,210	1,330,034	23.0

Year	2012			2013			2014		
County	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)	Area (HA)	Production (90 Kg Bag) Cereals	Yield Cereals (90 Bags/Ha)
Kisumu	33,395	1,083,477	16.5	32,069	682,806	22.9	27,150	607,234	24.0
Migori	78,580	1,083,478	22.8	54,974	468,389	9.2	67,485	930,028	14.8
Nyamira	54,820	1,083,479	22.4	53,270	693,575	14.0	35,549	456,836	13.8
Siaya	76,385	1,083,480	17.6	72,110	1,286,755	19.2	78,132	1,372,914	18.9
Baringo	39,753	798,518	20.7	29,117	620,056	21.9	34,960	388,444	11.1
Bomet	32,697	814,198	24.9	30,620	802,620	26.2	30,940	590,692	19.1
Elgeyo/Marakwet	31,533	1,021,827	33.5	32,015	1,125,953	36.3	27,620	1,149,427	43.0
Kajiado	30,145	24,639	0.8	34,721	705,108	20.6	31,020	815,506	26.7
Kericho	41,971	1,094,991	33.9	41,170	889,128	28.0	41,041	765,697	24.2
Laikipia	36,163	1,331,689	37.4	5,665	55,319	9.9	6,175	71,902	11.8
Nakuru	89,649	3,321,931	37.5	90,690	2,571,240	28.7	86,504	1,765,714	20.6
Nandi	73,552	2,415,108	35.9	70,519	1,889,264	29.3	74,045	1,857,991	27.4
Narok	109,940	2,047,726	18.9	113,550	3,493,463	31.2	112,079	2,975,208	26.9
Samburu	1,227	11,380	9.3	1,265	18,317	14.5	1,973	22,931	11.6
Trans Nzoia	104,421	4,803,803	46.9	105,310	4,725,571	45.8	106,778	5,014,980	47.9
Turkana	2,252	39,214	17.7	1,626	33,784	21.1	1,310	23,928	18.6
Uasin Gishu	91,310	2,862,762	31.4	88,790	4,039,580	45.5	96,654	4,224,741	43.7
West Pokot	33,035	1,229,709	38.0	19,380	608,286	32.0	19,748	514,903	26.6
Bungoma	96,209	2,915,345	32.6	92,705	2,462,067	28.6	98,074	2,970,027	32.6
Busia	41,990	556,693	14.6	45,898	702,550	16.8	50,400	807,352	17.6
Kakamega	76,285	1,914,535	26.4	73,463	1,918,695	27.5	70,993	2,026,635	30.0
Vihiga	18,010	309,523	18.3	24,195	402,675	17.7	23,772	406,723	18.2
Total	**2,159,321**	**41,665,332**	**20.7**	**2,123,138**	**39,918,751**	**20.1**	**2,116,141**	**39,035,228**	**19.7**

Annex 2: Wheat Production by County

Year	2012			2013			2014		
County	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (90 Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (90 Bags/ Ha)**	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (90 Bags/Ha)**
Nyandarua	2,326	112,070	48.2	1,408	38,996	27.7	1,455	32,300	22.2
Nyeri	5,252	54,722	10.4	5,420	184,880	34.1	4,280	77,600	18.1
Meru	15,265	459,850	30.1	13,295	651,800	29.1	11,600.0	326,875.0	28.2
Marsabit	-	-	-	42	1,200	28.6	37	1,030	27.8
Elgeyo Marakwet	944	32,096	34.0	81	2,430	30.0	105	3,150	30.0
Kericho	58	1,710	29.5	40	1,310	32.8	-	-	0.0
Laikipia	5,991	190,645	31.8	5,060	225,004	44.5	5,145	185,600	36.1
Nakuru	31,657	1,124,219	35.5	31,292	356,189	11.4	32,057	961,083	30.0
Nandi	54	882	16.5	41	1,020	24.9	43	1,030	24.0
Narok	55,896	2,153,159	38.5	68,727	2,172,102	31.6	70,884	1,508,620	21.3
Samburu	800	36,000	45.0	450	9,000	20.0	600	12,000	20.0
Trans Nzoia	2,320	57,525	24.8	1,957	48,156	24.6	1,870	46,078	24.6
Uasin Gishu	28,045	711,305	25.4	21,385	641,550	30.0	18,829	488,395	25.9
Bungoma	321	8,000	24.9	350	8,700	24.9	305	7,767	25.5
Kakamega	12	405	33.8	15	675	45.0	-	-	0.0
Total	**147,997**	**4,910,492**	**33.2**	**162,900**	**4,996,012**	**30.7**	**147,210**	**3,651,528**	**24.8**

Annex 3: Barley Production by County

Year	2012		2013		2014	
County	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**
NYANDARUA	10	27	20	49	25	45
NAKURU	0	0	4,522	14,552	3,456	11,974
NAROK	13,898	49,715	9,811	13,478	14,126	13,871
SAMBURU	200	360	200	432	450	792
UASIN GISHU	240	14,800	472	21,240	875	32,375
MERU	2,200	7,524	2,200	7,920	2,600	6,345
Country	**16,548**	**72,426**	**17,225**	**57,671**	**21,532**	**65,402**

Annex 4: Rice Production by County

Year	2012			2013			2014		
County	**HA**	**Production (Tons)**	**Yield (Ton/Ha)**	**HA**	**Production (Tons)**	**Yield (Ton/Ha)**	**HA**	**Production (Tons)**	**Yield (Ton/Ha)**
Murang'a	295.7	874	**3.0**	110	95	**0.9**	102.6	261.4	2.5
Kirinyaga	13,572	80,075	**5.9**	10,710	68,492	**6.4**	10,465.0	68988.2	6.6
Nyeri	91	242	**2.7**	110	95	**0.9**	102.6	261.4	2.5
Kilifi	494	967	**2.0**	1,903	1,016	**0.5**	179	95.12	0.5
Kwale	1,486	5349	**3.6**	1,490	6,349	**4.3**	1273	1355.67	1.1
Lamu	653	1823	**2.8**	68	75	**1.1**	91	170.6	1.9
Mombasa	20	60	**3.0**	25	103	**4.1**	0	0	-
Taita/Taveta	1200	3920	**3.3**	248	1,306	**5.3**	265	1396	5.3
Tana River	1,647	8,070	**4.9**	1,576	10,570	**6.7**	1355	2244.15	1.7
Embu	62	223.2	**3.6**	13	10	**0.8**	5	5	1.0
Meru	5	24.75	**5.0**	3	4	**1.4**	111	144.5	1.3
Tharaka Nthi	15	49.5	**3.3**	28	24	**0.9**	27.7	24.4	0.9
Garissa	70	252	**3.6**	25	23	**0.9**	30	34	1.1
Mandera							0.1	0	-
Homabay	310	1302	**4.2**	4,789	5,056	**1.1**	5223	7713.33	1.5
Kisumu	3,395	14,598	**4.3**	4,930	18,633	**3.8**	4540	18390	4.1
Migori	230	828	**3.6**	562	170	**0.3**	680.9	421.06	0.6
Siaya	2,300	9890	**4.3**	2,655	7,163	**2.7**	2648	8137.76	3.1
Elgeyo/ Marakwet	13.7	21	**1.5**	12	16	**1.4**	14.3	20.34	1.4
Baringo	820	2,952	**3.6**	900	3,820	**4.2**	40	89.9	2.2
Bungoma	24	64.8	**2.7**	135	146	**1.1**	115	92.5	0.8
Busia	2,547	5,858	**2.3**	964	1,947	**2.0**	964	1947	2.0
Kakamega	218	542.12	**2.5**	48	82	**1.7**	103.5	395.5	3.8
Vihiga	162	218.7	**1.4**	46	62	**1.4**	54	75.5	1.4
Total	**29,630**	**138,204**	**4.7**	**31,349**	**125,256**	**4.0**	**28,390**	**112,263**	**4.0**

Annex 5: Sorghum Production by County

Year		2,012		2013			2014		
County	Area (Ha)	Production (90 Kg Bags)	Yield (Bags/Ha)	Area (Ha)	Production (90 Kg Bags)	Yield (Bags/Ha)	Area (Ha)	Production (90 Kg Bags)	Yield (Bags/ Ha)
Nairobi City	18	44	2.4	5	16	2.9	913	1,233	1.4
Kirinyaga	1,300	10,494	8.1	387	2,540	6.6	276	1,544	5.6
Murang'a	437	2,409	5.5	174	1,095	6.3	204	1,720	8.4
Nyandarua	24	234	9.7	103	1,030	10.0	35	280	8.0
Nyeri	21	102	4.8	174	1,095	6.3	204	1,720	8.4
Kilifi	542	1,455	2.7	513	2,076	4.0	363	1,089	3.0
Kwale	958	2,181	2.3	1,003	9,005	9.0	153	663	4.3
Lamu	466	2,815	6.0	1,326	12,070	9.1	273	3,067	11.3
Mombasa	8	40	5.0	7	40	5.7	-	-	0.0
Taita/Taveta	290	1,160	4.0	770	1,002	1.3	474	833	1.8
Tana River	289	408	1.4	131	862	6.6	131	862	6.6
Embu	5,824	46,155	7.9	5,910	66,021	11.2	5,386	58,303	10.8
Isiolo	46	236	5.1	144	989	6.9	45	270	6.0
Kitui	58,532	227,005	3.9	76,135	282,867	3.7	59,530	429,623	7.2
Machakos	11,539	54,758	4.7	11,664	145,163	12.4	9,693	81,726	8.4
Makueni	22,739	128,468	5.6	15,821	84,793	5.4	16,306	53,416	3.3
Marsabit	49	148	3.0	12	26	2.2	13	41	3.0
Meru	14,745	171,347	11.6	11,555	85,141	7.4	12,451	95,439	7.7
Tharaka-Nthi	27,331	197,540	7.2	24,008	93,969	3.9	21,227	116,964	5.5
Garissa	120	100	0.8	48	122	2.5	35	378	10.8
Mandera	285	120	0.4	1,194	4,316	3.6	961	1,393	1.4
Wajir	125	699	5.6	366	1,456	4.0	440	889	2.0
Homabay	17,155	266,170	15.5	17,665	260,774	14.8	20,401	358,380	17.6
Kisii	125	1,520	12.2	101	4,145	41.0	113	5,724	50.7
Kisumu	11,645	131,370	11.3	11,082	225,150	20.3	11,160	210,654	18.9
Migori	7,215	105,430	14.6	5,770	43,533	7.5	5,373	58,613	10.9
Nyamira	279	3,780	13.6	270	3,080	11.4	93	973	10.5
Siaya	19,185	218,965	11.4	11,630	159,533	13.7	15,986	128,726	8.1
Baringo	1,110	10,072	9.1	948	9,133	9.6	849	8,483	10.0
Bomet	426	6,487	15.2	660	6,487	9.8	442	5,432	12.3
Elgeyo/ Marakwet	1,187	27,204	22.9	917	19,690	21.5	769	9,206	12.0
Kajiando	69	182	2.6	115	910	7.9	55	346	6.3
Kericho	490	7,627	15.6	726	15,589	21.5	957	19,100	20.0
Laikipia	1,050	15,741	15.0	55	275	5.0	57	285	5.0
Nakuru	730	10,271	14.1	1,665	24,832	14.9	1,330	18,038	13.6
Nandi	160	2,317	14.5	211	3,858	18.3	181	3,408	18.8
Narok	1,115	9,170	8.2	810	9,008	11.1	1,437	12,068	8.4
Samburu	225	10,278	45.7	9	106	11.7	10	133	13.3
Trans Nzoia	327	4,198	12.8	202	2,238	11.1	189	2,397	12.7
Turkana	3,974	35,651	9.0	1,903	27,568	14.5	1,438	15,486	10.8
Uasin Gishu	109	1,101	10.1	110	21,767	198.8	1,438	15,486	10.8
West Pokot	1,732	16,897	9.8	1,030	9,980	9.7	560	5,360	9.6

Year		2,012		2013			2014		
County	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**
Bungoma	1,034	12,823	12.4	1,472	17,712	12.0	1,565	17,722	11.3
Busia	7,683	95,850	12.5	12,809	197,244	15.4	13,109	193,756	14.8
Kakamega	347	3,673	10.6	1,309	10,440	8.0	830	8,602	10.4
Vihiga	344	3,332	9.7	410	5,236	12.8	358	4,509	12.6
Total	**223,799**	**1,851,411**	**8.3**	**223,659**	**1,876,192**	**8.4**	**213,520**	**1,972,810**	**9.2**

Annex 6: Millet Production by County

Year		2,012		2013			2014		
County	**HA**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**	**HA**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**	**HA**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**
Kiambu	24	335	14.0	20	190	9.5	-	-	-
Kirinyaga	30	546	18.2	48	494	10.3	12	108	9.0
Murang'a	28	387	13.8	0	4	38.9	-	-	-
Nyandarua	3	7	2.3	4	27	6.8	-	-	-
Nyeri	0	9	2.3	0	4	38.9	-	-	
Kilifi	32	93	2.9	7	8	1.1	4	5	1.4
Kwale	9	16	1.8	22	170	7.7	4		
Lamu	183	548	3.0	38	833	21.9	273	893	3.3
Taita/Taveta	11	30	2.7	17	56	3.3	32	52	1.6
Tana River	12	18	1.5	26	180	6.9			
Embu	6,496	49,975	7.7	3,042	35,508	11.7	2,799	26,924	9.6
Kitui	3,430	23,144	6.7	42,678	225,122	5.3	53,735	582,466	10.8
Machakos	20,191	149,010	7.4	936	7,865	8.4	1,853	35,151	19.0
Makueni	4,698	29,480	6.3	10,459	21,737	2.1	11,322	35,485	3.1
Meru	38,362	174,252	4.5	6,452	36,580	5.7	6,853	40,708	5.9
Tharaka-Nthi	4,683	28,872	6.2	17,095	120,544	7.1	20,778	139,259	6.7
Garissa	36	6	0.2	62	230	3.7	-	-	-
Wajir	53	6	0.1	50	170	3.4	-	-	-
Homabay	156	905	5.8	2,588	49,736	19.2	1,785	33,456	18.7
Kisii	6,970	72,990	10.5	7,313	206,427	28.2	7,357	215,656	29.3
Kisumu	125	600	4.8	51	55	1.1	23	65	2.8
Migori	1,040	9,365	9.0	275	559	2.0	390	1,269	3.3
Nyamira	14,345	106,350	7.4	53,117	470,435	8.9	8,688	100,844	11.6
Siaya	155	847	5.5	128	522	4.1	179	896	5.0
Baringo	1,110	10,072	9.1	3,390	48,132	14.2	2,301	33,727	14.7
Bomet	426	6,487	15.2	530	5,540	10.5	992	13,096	13.2
Elgeyo/ Marakwet	1,187	27,204	22.9	2,118	19,650	9.3	2,407	20,352	8.5
Kajiando	69	182	2.6	65	316	4.9	26	68	2.6
Kericho	490	7,627	15.6	618	5,711	9.2	618	6,871	11.1
Laikipia	1,050	15,741	15.0	668	7,119	10.7	-	-	-
Nakuru	730	10,271	14.1	318	4,077	12.8	3,456	11,974	3.5
Nandi	160	2,317	14.5	205	1,943	9.5	172	1,896	11.1
Narok	1,115	9,170	8.2	908	11,746	12.9	1,443	14,247	9.9
Samburu	225	10,278	45.7	6	94	15.7	9	156	17.3
Trans Nzoia	327	4,198	12.8	604	7,549	12.5	860	10,011	11.6
Turkana	3,974	35,651	9.0	3,650	35,651	9.8	-	-	-
Uasin Gishu	109	1,101	10.1	329	5,505	16.7	284	2,812	9.9
West Pokot	1,732	16,897	9.8	565	4,745	8.4	337	2,685	8.0
Bungoma	557	2,510	4.5	4,879	39,120	8.0	4,760	34,933	7.3
Busia	3,748	23,430	6.3	4,519	50,844	11.3	4,500	71,444	15.9
Kakamega	167	1,155	6.9	460	5,873	12.8	534	4,889	9.2
Vihiga	41	325	7.9	31	243	7.8	45	363	8.1
Total	**118,289**	**832,398**	**7.0**	**168,291**	**1,431,311**	8.5	138,829	1,442,761	10.4

Annex 7: Beans Production by County

Year	2012			2013			2013		
County	Area (Ha)	Production (90 Kg Bag)	Yield (Bags/ Ha)	Area (Ha)	Production (90 Kg Bag)	Yield (Bags/Ha)	Area (Ha)	Production (90 Kg Bag)	Yield (Bags/ Ha)
Nairobi City	750	5,945	7.9	700	14,856	21.2	676	13,700	20.3
Kiambu	28,004	237,809	8.5	24,055	110,006	4.6	13,834	69,696	5.0
Kirinyaga	21,103	211,402	10.0	29,986	176,007	5.9	24,199	99,032	4.1
Murang'a	37,908	354,449	9.4	43,027	344,135	8.0	43,244	313,894	7.3
Nyandarua	6,883	45,463	6.6	3,744	44,807	12.0	4,561	24,544	5.4
Nyeri	24,583	195,415	7.9	43,027	344,135	8.0	43,244	313,894	7.3
Kilifi	170	316	1.9	133	338	2.5	34	54	1.6
Kwale	628	4,087	6.5	682	4,090	6.0	284	3,237	11.4
Lamu	1,000	3,861	3.9	825	3,320	4.0	-	-	-
Mombasa	2	7	3.6	22	128	5.8	-	-	-
Taita/Taveta	2,355	23,081	9.8	2,060	5,387	2.6	2,361	6,067	2.6
Tana River	11	43	3.9	25	105	4.2	-	-	-
Embu	23,758	169,670	7.1	19,295	236,385	12.3	20,330	181,078	8.9
Isiolo	193	820	4.2	263	4,033	15.3	2,267	433	0.2
Kitui	27,498	156,996	5.7	32,294	151,322	4.7	32,155	199,389	6.2
Machakos	75,025	397,572	5.3	73,865	621,446	8.4	64,369	215,300	3.3
Makueni	38,545	213,740	5.5	90,370	108,384	1.2	37,367	82,095	2.2
Marsabit	50	188	3.8	550	3,584	6.5	627	9,121	14.5
Meru	79,093	595,179	7.5	83,357	676,659	8.1	142,009	467,262	3.3
Tharaka-Nthi	15,815	113,519	7.2	9,484	109,230	11.5	9,436	93,590	9.9
Homabay	30,675	236,030	7.7	26,333	232,577	8.8	40,583	327,253	8.1
Kisii	45,515	397,415	8.7	46,125	398,405	8.6	47,842	421,010	8.8
Kisumu	13,575	103,185	7.6	7,880	79,017	10.0	8,095	73,911	9.1
Migori	24,460	187,250	7.7	16,980	74,602	4.4	19,698	104,510	5.3
Nyamira	52,455	467,935	8.9	53,117	470,435	8.9	24,615	202,044	8.2
Siaya	49,360	325,165	6.6	44,286	363,906	8.2	47,915	348,283	7.3
Baringo	17,196	78,938	4.6	17,756	168,033	9.5	17,788	168,394	9.5
Bomet	19,138	124,580	6.5	20,204	114,500	5.7	31,857	238,668	7.5
Elgeyo/ Marakwet	20,241	198,241	9.8	15,206	155,050	10.2	14,894	155,150	10.4
Kajiado	30,125	42,875	1.4	42,944	223,489	5.2	42,550	210,483	4.9
Kericho	18,116	120,778	6.7	19,337	61,089	3.2	19,804	169,667	8.6
Laikipia	18,285	138,090	7.6	1,615	173,611	107.5	1,659	16,227	9.8
Nakuru	47,266	311,766	6.6	51,467	329,992	6.4	43,946	232,686	5.3
Nandi	31,596	198,666	6.3	36,185	318,944	8.8	37,964	343,242	9.0
Narok	27,625	40,528	9.3	32,477	71,692	2.2	30,346	48,273	1.6
Samburu	618	3,584	5.8	546	4,143	7.6	840	6,270	7.5
Trans Nzoia	39,485	165,780	4.2	12,630	50,522	4.0	13,740	54,867	4.0
Uasin Gishu	22,935	45,017	2.0	23,478	58,620	2.5	15,992	46,023	2.9
West Pokot	8,850	30,294	3.4	7,400	30,500	4.1	7,630	40,307	5.3
Bungoma	61,715	423,670	6.9	62,567	705,878	11.3	57,578	789,089	13.7

Year	2012			2013			2013		
County	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (Bags/ Ha)**	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bag)**	**Yield (Bags/ Ha)**
Busia	19,245	106,050	5.5	20,510	361,878	17.6	19,100	204,644	10.7
Kakamega	56,141	348,365	6.2	46,329	306,133	6.6	48,126	490,039	10.2
Vihiga	18,055	95,780	5.3	20,469	227,433	11.1	18,851	60,933	3.2
Total	**1,056,046**	**6,919,544**	**6.6**	**1,083,604**	**7,938,805**	**7.3**	**1,052,408**	**6,844,357**	**6.5**

Annex 8: Cowpeas Production by County

Year		2,012		2013			2014		
County	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**
Nairobi City	**18**	**106**	**7.9**	**19**	**111**	**5.8**	**33**	**83**	**2.5**
Kiambu	318	2,759	8.7	302	2,630	8.7	-	-	-
Kirinyaga	588	12,911	22.0	784	6,500	8.3	361	1,486	4.1
Murang'a	167	2,053	12.3	292	2,191	7.5	819	3,716	4.5
Nyandarua	30	212	7.1	30	202	6.7	-	-	-
Nyeri	4	14	4.0	292	294	1.0	509	3,499	6.9
Kilifi	8,110	23,287	2.9	8,792	14,918	1.7	8,929	12,780	1.4
Kwale	2,840	3,639	1.3	3,212	17,637	5.5	4,619	18,207	3.9
Lamu	2,554	10,460	4.1	2,832	37,191	13.1	3,620	28,608	7.9
Mombasa	271	743	2.7	354	384	1.1	297	844	2.8
Taita/Taveta	1,178	2,844	2.4	1,581	4,654	2.9	1,351	4,882	3.6
Tana River	1,185	8,520	7.2	1,955	16,663	8.5	1,334	11,186	8.4
Embu	9,575	81,689	8.5	8,459	68,043	8.0	7,231	104,490	14.5
Isiolo	46	260	5.7	116	1,544	13.3	70	533	7.6
Kitui	71,462	339,744	4.8	87,060	478,178	5.5	89,161	412,540	4.6
Machakos	34,710	168,812	4.9	21,246	169,358	8.0	35,247	160,572	4.6
Makueni	48,645	336,925	6.9	100,144	533,219	5.3	97,103	567,704	5.8
Marsabit	172	682	4.0	6	44	7.2	8	56	7.2
Meru	6,822	64,588	9.5	6,603	51,446	7.8	8,990	87,617	9.7
Tharaka-Nthi	16,478	143,065	8.7	9,922	56,153	5.7	16,509	81,549	4.9
Garissa	246	2,545	10.3	107	733	6.9	85	589	6.9
Mandera	132	710	5.4	1,204	943	0.8	1,276	627	0.5
Wajir	229	84	0.4	183	367	2.0	219	219	1.0
Homabay	575	3,810	6.6	455	2,085	4.6	476	2,275	4.8
Kisii	340	1,825	5.4	451	9,072	20.1	511	10,059	19.7
Kisumu	3,880	19,400	5.0	1,304	13,184	10.1	1,462	13,184	9.0
Migori	430	2,200	5.1	50	390	7.8	334	1,633	4.9
Nyamira	120	600	5.0	106	1,200	11.3			
Siaya	1,780	9,605	5.4	494	1,200	2.4	597	4,763	8.0
Baringo	518	2,036	3.9	486	4,814	9.9	285	2,877	10.1
E/Marakwet	443	5,002	11.3	142	1,547	10.9	129	1,459	11.3
Kajiado	9	3	3.0	106	2,246	21.2	58	1,003	17.3
Laikipia	20	94	4.7	6	42	7.0	8	72	9.0
Nakuru	278	2,079	7.5	60	439	7.4	59	569	9.6
Narok	27	78	2.9	44	440	10.0	58	571	9.8
Samburu	286	11,105	38.8	14	59	4.2	11	71	6.5
Trans Nzoia	26	92	3.5	378	973	2.6	120	491	4.1
Total	**212,730**	**1,254,976**	**5.9**	**250,798**	**1,486,180**	**5.9**	**281,877**	**1,540,813**	**5.5**

Annex 9: Green Grams Production by County

Year		2012			2013			2014	
County	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**	**Area (Ha)**	**Production (90 Kg Bags)**	**Yield (Bags/ Ha)**
Nairobi City	2.5	11.5	4.6	3	11	4.4	3	14.4444	4.81
Kiambu	229.6	2735	11.9	230	2,639	11.5	0	0	0
Kirinyaga	364.5	1930	5.3	750	3,683	4.9	404.8	2094.56	5.17
Murang'a	11	135.5	12.3	223	826	3.7	313	1109.44	3.54455
Kilifi	3,622	10,077	2.8	3,682	4,280	1.2	3389	6714.15	1.98116
Kwale	2,253	1,562	0.7	2,350	15,530	6.6	4080	36544.4	8.95697
Lamu	2,169	8,871	4.1	2,959	30,668	10.4	3154	23751.1	7.53047
Mombasa	29	46	1.6	23	69	3.0	297	844	2.84175
Taita/Taveta	1,590	7,093	4.5	2,397	6,697	2.8	2163.7	6753.25	3.12116
Tana River	1,196	6,804	5.7	2,153	13,954	6.5	2175	11186	5.14299
Embu	7,899	49,783	6.3	7,851	76,264	9.7	7436	118161	15.8904
Isiolo	78	450	5.8	76	456	6.0	59.8	358.8	6.0
Kitui	64,420	296,267	4.6	91,770	258,767	2.8	89487	387114	4.32592
Machakos	13,873	62,895	4.5	13,045	42,446	3.3	12096.8	102156	8.4449
Makueni	52,310	239,569	4.6	93,411	402,542	4.3	89444	400431	4.47689
Marsabit	50	300	6	5	34	7.3	7.2	52.2	7.25
Meru	6086	52,507	8.6	6,654	42,236	6.3	7692	44634.3	5.8027
Tharaka-Nthi	25,582	238,393	9.3	23,282	121,003	5.2	30584	151023	4.93796
Garissa	210	2158	10.3	112	733	6.5	105	588.889	5.60847
Mandera	58	192	3.3	171	943	5.5	132	270.444	2.04882
Wajir	176	35	0.2	100	200	2.0	120	120	1.0
Homabay	550	3285	6	1,147	6,100	5.3	762	14228.1	18.672
Kisii	35	240	6.9	30	202	6.7	0	0	0
Kisumu	1875	14390	7.7	1,516	13,316	8.8	1423	13100	9.2059
Migori	256	1862	7.3	207	746	3.6	131.85	1034.11	7.84309
Nyamira	11	77	7	12	60	5.0			
Siaya	955	5585	5.9	970	6,151	6.3	833	4104.89	4.92784
Baringo	610	2016	3.3	836	5,967	7.1	551	5316.67	9.64912
Kajiado	-	-	-	30	133	4.4	35	177.778	5.07937
Elgeyo/ Marakwet	814	6553	8.1	611	5,452	8.9	579	3540	6.11399
Laikipia	5	27	5.4	8	37	4.6	0	0	0
Narok	0.5	8	16	2	7	3.5	0	0	0
Samburu	37	414	11.2	14	76	5.5	15	111.1	7.40
Turkana	29	19	0.7	21	110	5.2	145	526	3.6
West Pokot	422.5	2655	6.3	180	1,260	7.0	50	350	7
Bungoma	60	141	2.4	414	3,380	8.2	471	3706.67	7.8
Busia	344	755	2.2	1,156	8,433	7.3	1018	4988.89	4.9
Kakamega	166	335	2	6	129	21.5	8	166.667	20.8
Vihiga	37	94	2.5	1	13	11.1	2	22.2222	11.1
Total	**188,416**	**1,020,270**	**5.4**	**258,407**	**1,075,554**	**4.2**	**259167**	**1345294**	**5.19**

Annex 10: Sweet Potatoes Production by County

Year		2012		2013			2014		
County	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**
Nairobi City	37	249	6.8	21	147	7.0	25	175	7.0
Kiambu	2,809	15,201	5.4	1,610	28,230	17.5	50	4619.2	92.4
Kirinyaga	568	10,877	19.1	1005	16,397	16.3	833.5	9413	11.3
Murang'a	666	8,873	13.3	382.5	3,954	10.3	467	4035.85	8.6
Nyandarua	80	918	11.5	83	1,414	17.0	21	245	11.7
Nyeri	359	3,805	10.6	382.5	3,954	10.3	467	4035.85	8.6
Kilifi	82	624	7.6	367	5,505	15.0	275	4125	15.0
Kwale	595	902	1.5	586	9,220	15.7	802	650	0.8
Lamu	99	1,800	17.9	56.5	1,039	18.4	25.2	481.6	19.1
Mombasa	12	93	7.8	7	73.5	10.5	7	21	3.0
Taita/Taveta	149	1,052	7.1	83.3	1,059	12.7	77.1	802.9	10.4
Tana River	31	270	8.7	84	884	10.5	87.5	1384.5	15.8
Embu	357	4,735	13.3	237.5	4,130	17.4	213	3138	14.7
Isiolo	6	70	11.7	21.6	51	2.4	42.3	99.875	2.4
Kitui	581	5,099	8.8	482	2,354	4.9	484	2336	4.8
Machakos	3,185	47,190	14.8	3,477	43,134	12.4	3562.24	42029.3	11.8
Makueni	1198	12,285	10.3	5,314	39,675	7.5	4802	38267.6	8.0
Marsabit	0	0	-	0	0	-	0	0	-
Meru	3,020	36,055	11.9	1,326	9,714	7.3	1230	8518	6.9
Tharaka-Nthi	614	7,995	13.0	457	2,135	4.7	244	1769	7.3
Homabay	7,440	131,300	17.7	4,612	68,805	14.9	7839	127725	16.3
Kisii	710	12,150	17.1	484	7,455	15.4	1161	20317	17.5
Kisumu	2,785	41,625	15.0	2,094	22,379	10.7	1573	17390	11.1
Migori	11,835	183,525	15.5	10,496	52,168	5.0	10995	69641.5	6.3
Nyamira	470	5,510	11.7	405	6,510	16.1	440	4,752	10.8
Siaya	4,495	59,250	13.2	4,062	47,280	11.6	3476	46306	13.3
Baringo	283	556	2.0	172	1,137	6.6	360.5	1146	3.2
Bomet	429	4650	10.8	437	6,220	14.2	2,333	30,971	13.3
Elgeyo/ Marakwet	61	612	10.0	46	483	10.5	58	652	11.2
Kajiando	24	90	3.8	5	70	15.6	3	42	14.0
Kericho	544	4972	9.1	507	1,096	2.2	735	1568	2.1
Laikipia	88.1	517.3	5.9	57	830	14.6	70	1052	15.0
Nakuru	599	5669	9.5	279	1,947	7.0	217.4	1786.41	8.2
Nandi	123	1443	11.7	117	1,709	14.6	101.5	1678	16.5
Narok	2360	25140	10.7	1,990	28,730	14.4	2062.2	23214	11.3
Samburu	10	53	5.3	1	3	5.0	0.5	2.5	5.0

Year		2012		2013			2014		
County	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**	**Area (Ha)**	**Production (tons)**	**Yield (tons/ Ha)**
Trans Nzoia	453	7328	16.2	199	1,144	5.7	225.5	3115	13.8
Uasin Gishu	3	2	0.7	122	1,315	10.8	87.3	986	11.3
West Pokot	112	2625	23.4	7	70	10.0	6	62	10.3
Turkana	3	9	3.0	3	12	4.0	1.5	7.5	5.0
Bungoma	3,857	53,274	13.8	5,836	135,250	23.2	5499	133037	24.2
Busia	9,593	88,010	9.2	6,712	138,230	20.6	6395	119970	18.8
Kakamega	4,667	52,250	11.2	3,061	25,331	8.3	2998	24770	8.3
Vihiga	1,559	20,802	13.3	831	8,312	10.0	715	7305	10.2
Total	**66,971**	**859,549**	**12.8**	**58,509**	**729,645**	**12.5**	**61,067**	**763,643**	**12.5**

Annex 11: Cassava Production by County

Year		2,012		2013			2014		
County	HA	Production (tons)	Yield (tons/Ha)	HA	Production (tons)	Yield (tons/Ha)	HA	Production (tons)	Yield (tons/Ha)
Nairobi City	16	124	8.0	13	104	8.0	18	144	8.0
Kiambu	343	1,610	4.7	302	3,930	13.0	111	1,107	10.0
Kirinyaga	175	175	1.0	118	1,390	11.8	123	2,233	18.2
Murang'a	517	1,785	3.5	311	3,823	12.3	361	4,036	11.2
Nyeri	36	24	0.7	311	3,823	12.3	361	4,044	11.2
Nyandarua	41	405	0.7	17	155	9.1	11	110	10.0
Kilifi	8,436	137,938	16.4	5,595	195,055	34.9	5,779	207,060	35.8
Kwale	2,429	8,721	3.6	2,337	38,320	16.4	6,475	3,300	0.5
Lamu	869	30,582	35.2	798	18,350	23.0	1,279	31,500	24.6
Mombasa	212	2,483	11.7	279	2,434	8.7	226	1,360	6.0
Taita/Taveta	170	943	5.5	59	3,611	61.6	58	795	13.6
Tana River	80	343	4.3	199	2,500	12.6	189	2,694	14.3
Embu	450	6,234	13.9	205	4,707	23.0	210	5,245	25.0
Isiolo	4	70	20.0	11	154	14.0			
Kitui	1,914	19,890	10.4	1,978	10,392	5.3	915	11,950	13.1
Machakos	6,552	116,024	17.7	2,794	31,505	11.3	3,216	35,313	11.0
Makueni	2,103	25,028	11.9	5,492	41,253	7.5	4,988	40,110	8.0
Marsabit	5	100	20.0	2	5	2.5	2	5	2.5
Meru	1,811	24,810	13.7	694	5,883	8.5	731	6,358	8.7
Tharaka-Nthi	642	8,260	12.9	364	2,263	6.2	462	1,951	4.2
Homabay	2,300	34,200	14.9	3,020	85,307	28.2	4,884	76,310	15.6
Kisii	110	1,450	13.2	72	1,081	15.0	109	1,474	13.5
Kisumu	2,865	28,650	10.0	1,899	20,270	10.7	1,106	12,205	11.0
Migori	15,540	244,125	15.7	9,510	44,820	4.7	6,639	10,742	1.6
Nyamira	27	270	10.0	27	270	10.0	80	2,222	27.8
Siaya	4,245	42,450	10.0	3,888	34,420	8.9	2,987	28,700	9.6
Baringo	119	571	4.8	138	1,131	8.2	118	2,297	19.4
Bomet	20	324	16.2	28	430	15.4	23	345	15.0
Elgeyo/ Marakwet	151	3,814	25.3	138	3,719	26.9	226	5,570	24.6
Kajiando	11	37	3.4	3	19	6.3	3	26	8.7
Kericho	22	632	29.4	-	-	-	-	-	-
Laikipia	47	275	5.9	15	90	6.0	17	102	6.0
Nakuru	109	1,381	12.7	99	840	8.5	111	827	7.4
Nandi	67	1,445	18.1	67	1,478	22.2	84	2,100	24.9
Narok	24	90	3.8	36	255	7.1	55	279	5.0
Samburu	6	14	2.3	2	4	2.0	3	6	2.4
Trans Nzoia	101	1,886	18.7	59	1,180	20.0	76	1,520	20.0
Turkana	-	-	-	-	-	-	-	-	-
Uasin Gishu	13	345	26.5	34	142	4.2	11	115	10.9
West Pokot	-	-	-	-	-	-	-	-	-

Year		2,012		2013			2014		
County	**HA**	**Production (tons)**	**Yield (tons/Ha)**	**HA**	**Production (tons)**	**Yield (tons/Ha)**	**HA**	**Production (tons)**	**Yield (tons/Ha)**
Bungoma	491	3,883	7.9	1,542	28,355	18.4	1,567	28,267	18.0
Busia	19,641	176,090	9.0	22,621	337,047	14.9	19,580	321,835	16.4
Kakamega	308	2,419	7.9	303	2,129	7.0	341	1,938	5.7
Vihiga	124	1,022	8.2	256	2,446	9.6	191	2,267	11.9
Total	**73,144**	**930,922**	**12.7**	**65,634**	**935,089**	**14.2**	**63,725**	**858,461**	**13.5**

Annex 12: Irish Potatoes Production by County

Year	2012		2013		2014	
County	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**
Baringo	1709	25859	1764	26895	2013	32933.8
Bomet	2847	43600	3924	74504		
Elgeyo Marakwet	20412	208883	15234	212558	11637	196305
Kajiado	450	14107.5	859	15403	1091	16726.25
Laikipia	225.05	2252	470	5300	484	5680
Nakuru	13674.5	252750.5	27761	313716.4	34744.3	361027.4
Nandi	293.1	5452.75	360.7	7024	384.3	5820
Narok	7373.5	134941	7879	80264.25	10173	82402.33
T/Nzoia	138	1720	110	1327.5	87	1532.5
Uasin Gishu	322	41562	1215	136600	1132	156230
Kisii	140	2225	156	2260	160	2675
Homa bay	51	362	77	613	2697	32655
Nyamira	**26**	238	34	286	41	245.5
Nairobi	128	1280	127	1270	94	940
Nyandarua	18915	240838.225	19961	272520	22270	293410
Kirinyaga	1122	21471.28	1051	14176.75	839	12442
Kiambu	13,671	126,055	12,479	143,431	15483.32	99313.616
Murang'a	7740.5	27552.6	7918	24949.1	7294	27765.3
Nyeri	7740.5	27552.6	7918	24949.1	7294	27765.3
Embu	257	4508.6	207	4619	195	4394
Machakos	10	68	10	68	10	6
Makueni			146.5	1132.6	137	1035
Meru	21038	249142.7	15240	159539	14916	157503.5
Tharaka Nithi	59	522.5	34	280	42	365
Bungoma	1233	37515	1289	41305	1396	56950
Kakamega	23	103	18	63	16	105
County	**119,598**	**1,470,562**	**126,242**	**1,565,054**	**134,630**	**1,576,227**

Annex 13: Cocoyam Production by County

Year	2012		2013		2014	
County	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**	**Area (Ha)**	**Quantity (Ton)**
Kirinyaga	3	8	5	12	7	23
Murang'a	213	964	227	985	212.5	879.2
Nyeri	213	964	227	985	212.5	879.2
Homabay	2250	21985	3020	40660	1531	22550
Tharaka nithi	93	962	86	844	92	984
Embu	97	1833	89	1860	81	1766
Total	**2,869**	**26,716**	**3,654**	**45,346**	**2,155**	**27,619**

Annex 14: Capture fish production by water bodies and Counties 2012 – 2014

		2012		2013		2014	
		Quantity	Value	Quantity	Value	Quantity	Value
Water body	County	Metric tons	000 Kshs	Metric tons	000 Kshs	Metric tons	000 Kshs
L. Victoria	Busia	4,544	472,239	5,079	610,211	5,468	642,198
L. Victoria and L. Kanyaboli	Siaya	25,694	2,665,667	24,703	3,046,858	28,519	3,380,209
L. Victoria	Kisumu	4,892	486,418	5,550	626,290	5,556	642,595
L. Victoria	Homa bay	76,710	7,483,436	80,105	8,543,655	81,399	9,099,437
L. Victoria	Migori	7,265	684,332	9,400	1,043,673	7,899	847,817
L. Turkana	Turkana	2,880	295,670	4,193	425,424	4,050	417,839
L. Turkana	Marsabit	121	11,712	145	13,222	116	15,951
L. Baringo	Baringo	251	23,514	263	25,008	201	21,362
L. Naivasha	Nakuru	143	15,460	231	17,542	331	40,664
L. Jipe	Taita/Taveta	112	16,715	116	16,910	115	19,249
Tana river dams	Embu	967	81,609	705	73,024	1,024	98,311
Marine and L. Kenyatta	Lamu	2,312	262,412	2,506	331,398	2,507	317,958
Marine and Tana river delta)	Tana River	782	69,605	849	82,511	446	72,117
Marine	Kilifi	2,403	428,280	2,345	366,919	2,356	398,313
Marine	Mombasa	1,066	189,104	1,178	224,869	1,219	268,969
Marine	Kwale	2,373	262,287	2,358	299,449	2,643	390,782
Sub -Total		**132,515**	**13,448,461**	**139,727**	**15,746,962**	**143,851**	**16,673,770**

Source: SDF Annual Statistical Bulletins

Annex 15: Quantity and value of aquaculture production by Counties 2012 – 2014

Year	2012		2013		2014	
	Quantity	Value	Quantity	Value	Quantity	Value
County	MT	000 kshs	MT	000 kshs	MT	000 kshs
Nyeri	910	196,310	985	222,329	1,003	223,798
Kirinyaga	591	127,345	688	168,001	701	169,111
Muranga	877	189,164	1,105	228,351	966	192,471
Kiambu	1,336	288,060	1,445	377,959	1,472	380,455
Nyandarua	546	117,840	591	120,619	602	121,420
Kisumu	835	179,995	936	200,336	952	201,659
Homa Bay	700	151,007	770	158,507	783	159,554
Migori	671	144,603	726	221,533	739	222,996
Siaya	625	134,828	677	204,458	689	205,808
Nyamira	342	73,684	370	92,553	376	93,164
Kisii	855	184,310	925	252,747	942	254,416
Bungoma	822	177,299	890	219,968	906	221,421
Kakamega	1,239	267,297	1,341	387,188	1,366	389,746
Vihiga	541	116,626	585	179,473	596	180,659
Busia	697	150,333	754	177,773	768	178,947
Machakos	635	136,850	687	144,753	699	145,709
Makueni	508	109,548	550	104,136	560	104,824
Kitui	586	126,401	634	111,917	646	112,656
Embu	533	115,008	577	141,690	588	142,626
Tharaka Nithi	281	60,673	304	75,998	310	76,500
Meru	1,016	219,096	1,099	238,417	1,119	239,992
Nandi	546	117,637	590	131,198	601	132,065
Laikipia	276	59,459	298	64,361	304	64,786
Nakuru	677	145,951	732	161,232	746	162,298
Kericho	676	145,749	731	157,389	745	158,428
Uasin Gishu	419	90,335	453	95,059	462	95,686
Elgeyo Marakwet	244	52,583	264	55,689	269	56,057
Bomet	416	89,661	450	93,321	458	93,938
Narok	131	28,314	142	32,885	145	33,102
Trans Nzoia	422	91,009	457	108,981	465	109,701
Baringo	268	57,706	290	62,619	295	63,032
Kajiado	250	53,931	271	49,964	276	50,294
Taita Taveta	266	57,302	288	59,188	293	59,579
Tana River	327	70,515	354	74,398	360	74,889
Kilifi	578	124,716	626	139,405	637	140,325
Kwale	410	88,312	443	96,624	451	97,263
Lamu	149	32,156	161	39,682	164	39,944
Nairobi	288	62,021	311	72,034	645	152,399
Total	**21,487**	**4,633,634**	**23,501**	**5,522,735**	**24,096**	**5,601,722**

Source: SDF Annual Statistical Bulletins

Annex 16: Quantity and Value of Fish Production by Water Bodies, 2010 – 2014

FRESH WATER	2010		2011		2012		2013		2014	
	M. tons	000 Kshs	M. tons	000 Kshs	M. tons	000 Kshs	M. tons	000 Kshs	M. tons	000 Kshs
L. Victoria	111,868	11,543,125	133,801	13,847,170	118,992	11,775,377	124,643	13,858,682	128,708	14,601,790
L. Turkana	6,430	271,687	3,746	275,919	3,001	307,382	4,338	438,646	4,165	433,789
L. Naivasha	209	12,712	288	23,229	143	15,460	231	17,542	331	40,664
L. Baringo	53	4,529	102	9,469	251	23,514	263	25,008	201	21,362
L. Jipe/Dams	103	6,017	104	9,554	112	16,715	116	16,910	115	19,249
Lake Kanyaboli	215	11,329	173	12,676	125	8,479	194	12,004	134	10,466
Lake Kenyatta	369	11,015	233	8,000	33	2,182	54	3,770	51	3,899
Tana River Dams	583	37,391	732	53,781	967	81,609	705	73,024	1,024	98,311
Takwel dam	-	-	-	-	-	-	59	11,849	56	11,547
Fish Farming	12,153	2,620,794	19,584	4,223,471	21,487	4,633,634	23,501	5,522,735	24,096	5,601,722
Tana delta	362	28,537	53	3,480	39	2,409	46	3,204	47	3,574
Riverine	-	-	-	-	-	-	9	2,046	8	1,894
TOTAL	**132,345**	**14,547,136**	**158,816**	**18,466,750**	**145,150**	**16,866,761**	**154,159**	**19,985,420**	**158,936**	**20,848,267**
MARINE										
Lamu County	2,271	177,026	2,397	250,785	2,280	260,230	2,452	327,628	2,428	277,945
Tana River County	358	39,084	790	61,396	743	67,196	803	79,307	383	61,364
Kilifi County	2,190	244,185	2,331	285,934	2,403	428,280	2,345	366,919	2,341	383,392
Mombasa County	1135	154,187	1117	169,850	1066	189,104	1176	224,869	1214	242,087
Kwale County	2,452	221,773	2,314	235,863	2,373	262,287	2,358	299,449	2,622	348,202
MARINE TOTAL	**8,406**	**836,255**	**8,949**	**1,003,828**	**8,865**	**1,207,097**	**9,134**	**1,298,172**	**8,988**	**1,312,990**
GRAND TOTAL	**140,751**	**15,383,391**	**167,765**	**19,470,578**	**154,015**	**18,073,858**	**163,293**	**21,283,592**	**167,924**	**22,161,257**

Source: State Department of Fisheries Annual Statistical

Annex 17: Livestock Population and Products ('000) by County, 2010

NATIONAL LIVESTOCK POPULATION - STATE DEPARTMENT OF LIVESTOCK															
COUNTY SUMMARIES OF LIVESTOCK POPULATION STATISTICS("000") FOR 2010															
COUNTY	**CATTLE**		**SHEEP**		**GOATS**		**PIGS**	**RABBITS**	**POULTRY**				**Donkey**	**Camel**	**Ostrich**
	DAIRY	**BEEF**	**WOOL**	**HAIR**	**MILK**	**MEAT**			**BROILER**	**LAYERS**	**INDEGIN.**	**OTHER**			
Muranga	226	30	9	31	43	71	29	54	86	199	412	14	1	-	-
Kiambu	241	60	31	86	14	89	40	43	662	1,033	915	12	11	0	0
Kirinyaga	69	30	0	14	11	49	8	39	20	56	680	6	2	-	-
Nyandarua	291	26	230	73	4	74	2	34	5	21	375	13	5	-	-
Nyeri	163	9	13	100	28	56	7	41	28	44	296	9	2	-	-
Lamu	5	198	-	23	4	127	-	3	6	4	165	5	7	-	-
Mombasa	4	5	-	2	0	12	0	0	86	17	28	1	0	0	0
Kilifi	59	205	-	38	1	251	1	7	88	71	984	74	7	0	0
Kwale	4	231	-	75	2	263	2	1	38	41	338	25	1	-	-
Tana River	0	381	-	232	4	453	-	0	1	3	127	7	15	75	-
Taita Taveta	26	122	-	49	2	145	1	2	11	11	475	5	2	1	0
Garissa	0	817	-	718	0	1,229	-	-	2	-	119	-	70	229	-
Mandera	0	415	-	568	3	1,189	-	-	0	0	167	-	161	426	-
Wajir	-	709	-	1,496	0	1,871	-	-	-	0	122	-	137	371	-
Nairobi	26	29	5	30	15	32	30	14	268	132	223	72	3	-	0
Embu	78	73	0	48	7	214	6	3	18	44	428	1	8	-	-
Makueni	14	271	-	100	0	733	2	3	1	1	763	1	32	-	-
Tharaka Nithi	48	85	0	62	4	228	10	35	16	18	357	4	6	-	-
Kitui	1	339	0	66	1	1,057	1	1	0	5	711	4	137	-	-

NATIONAL LIVESTOCK POPULATION - STATE DEPARTMENT OF LIVESTOCK															
COUNTY SUMMARIES OF LIVESTOCK POPULATION STATISTICS("000") FOR 2010															
COUNTY	**CATTLE**		**SHEEP**		**GOATS**		**PIGS**	**RABBITS**	**POULTRY**				**Donkey**	**Camel**	**Ostrich**
	DAIRY	**BEEF**	**WOOL**	**HAIR**	**MILK**	**MEAT**			**BROILER**	**LAYERS**	**INDEGIN.**	**OTHER**			
Machakos	30	340	1	127	2	603	1	5	76	97	863	5	21	-	-
Isiolo	0	198	-	362	-	399	-	-	-	6	35	-	23	39	-
Meru	130	229	39	168	15	303	19	43	38	98	891	6	62	-	-
Marsabit	0	399	-	947	0	1,115	-	-	-	1	38	0	28	202	-
Kisii	151	123	0	34	1	81	1	8	11	85	781	8	3	-	-
Migori	9	281	0	183	2	248	6	5	18	57	2,819	18	4	-	-
Homa Bay	5	636	-	294	2	339	33	14	7	29	1,729	11	19	-	-
Siaya	4	301	-	123	2	219	11	9	17	28	656	15	7	-	-
Kisumu	24	280	-	201	1	204	6	7	92	57	571	12	2	-	-
Nyamira	61	24	-	12	0	31	0	3	2	60	305	3	1	-	-
Baringo	133	250	14	330	2	592	0	4	45	11	447	3	4	0	-
Nakuru	101	103	56	118	7	140	6	29	252	227	631	43	15	5	1
Bomet	150	110	25	71	3	60	-	9	12	18	371	2	25	-	-
Kajiado	118	330	-	489	1	534	5	51	124	9	323	71	25	2	-
Elgeiyo Marakwet	189	150	129	159	1	202	0	4	12	10	372	4	3	0	-
Kericho	249	35	26	39	2	73	0	8	25	9	441	3	11	-	-
Laikipia	91	188	39	275	64	209	3	31	14	23	341	9	7	9	-
Nandi	163	53	19	52	1	30	0	6	11	6	408	2	2	-	-
Narok	138	544	119	245	1	305	0	4	7	0	106	-	42	-	-
Samburu	10	319	-	380	1	1,631	-	-	-	4	127	-	28	36	-
Trans Nzoia	126	19	1	46	1	23	3	4	2	7	428	10	3	-	-
Turkana	-	155	-	846	-	1,618	-	-	3	-	18	-	33	138	-
Uasin Gishu	276	27	23	64	0	65	8	5	55	25	245	-	2	-	-
West Pokot	59	351	7	391	-	504	0	1	17	0	617	2	10	1	-
Bungoma	71	207	1	95	1	62	12	30	13	32	1,087	118	4	-	-
Vihiga	28	142	-	26	3	31	1	17	4	21	254	46	0	-	-
Busia	12	189	0	78	0	101	66	23	3	9	821	63	0	-	-
Kakamega	89	289	-	84	0	57	23	33	20	47	1,128	74	2	-	-

NATIONAL LIVESTOCK POPULATION - STATE DEPARTMENT OF LIVESTOCK															
COUNTY SUMMARIES OF LIVESTOCK POPULATION STATISTICS("000") FOR 2010															
COUNTY	**CATTLE**		**SHEEP**		**GOATS**		**PIGS**	**RABBITS**	**POULTRY**				**Donkey**	**Camel**	**Ostrich**
	DAIRY	**BEEF**	**WOOL**	**HAIR**	**MILK**	**MEAT**			**BROILER**	**LAYERS**	**INDEGIN.**	**OTHER**			
Total	**3,673**	**10,307**	**789**	**10,047**	**258**	**17,921**	**343**	**634**	**2,214**	**2,676**	**24,539**	**780**	**989**	**1,535**	**1**

Annex 18: Livestock Population and Products ('000) by County, 2011

NATIONAL LIVESTOCK POPULATION STATISTICS("000") FOR 2011																			
COUNTY	CATTLE			SHEEP		GOATS		PIGS	RABBITS	POULTRY							DONKEYS	CAMELS	OSTRICH
	DAIRY	ZEBU	EXOTIC BEEF	WOOL	HAIR	MILK	MEAT			BROILER	LAYERS	INDEGIN.	DUCKS	TURKEYS	GEESE	OTHER			
Kirinyaga	72	31	0	0	14	11	50	8	40	24	59	711	2	1	0	0	4	0	0
Kiambu	254	51	15	32	81	24	93	35	54	662	1,069	949	4	5	2	2	12	0	0
Muranga	236	30	0	13	33	48	212	30	63	95	210	492	9	3	2	0	1	0	0
Nyandarua	303	22	10	239	78	5	77	1	37	5	22	396	4	4	4	0	8	0	0
Nyeri	171	9	4	14	105	30	59	8	44	29	46	310	2	2	1	9	2	0	0
Taita Taveta	26	144	0	0	49	2	155	1	3	18	22	587	0	0	0	4	2	13	0
Kilifi	62	261	0	0	33	1	385	2	9	153	80	1,052	0	0	0	51	9	0	0
Tana River	0	376	0	0	237	5	463	0	0	1	2	126	0	0	0	0	27	64	0
Mombasa	3	4	0	0	1	0	10	0	1	69	14	27	0	0	0	1	0	0	0
Lamu	5	205	0	0	24	23	109	0	3	6	4	171	0	0	0	5	7	0	0
Kwale	3	236	0	0	80	2	296	1	2	37	36	379	0	0	0	2	1	0	0
Garissa	0	572	0	0	483	0	622	0	0	2	0	85	0	0	0	0	79	88	0
Mandera	0	877	0	0	1,068	4	1,621	0	0	0	7	203	0	0	0	0	117	739	0
Wajir	0	430	0	0	1,270	0	1,404	0	0	0	0	107	0	0	0	0	94	451	0
Nairobi	40	18	0	0	27	13	34	35	26	343	165	222	0	0	0	20	10	0	0
Embu	78	73	0	0	48	7	214	6	3	18	44	428	0	0	0	1	8	0	0
Makueni	14	271	0	0	100	0	733	2	3	1	1	763	0	0	0	1	32	0	0
Tharaka Nithi	48	85	0	0	62	4	228	10	35	16	18	357	0	0	0	4	6	0	0
Kitui	1	339	0	0	66	1	1,057	1	1	0	5	711	0	0	0	4	137	0	0
Machakos	30	340	0	1	127	2	603	1	5	76	97	863	0	0	0	5	21	0	0
Isiolo	0	198	0	0	362	0	399	0	0	0	6	35	0	0	0	0	23	39	0
Meru	130	229	0	39	168	15	303	19	43	38	98	891	0	0	0	6	62	0	0
Marsabit	0	399	0	0	947	0	1,115	0	0	0	1	38	0	0	0	0	28	202	0
Kisii	158	120	0	0	35	1	89	1	6	9	114	1,132	0	0	0	8	3	0	0

NATIONAL LIVESTOCK POPULATION STATISTICS("000") FOR 2011																			
COUNTY	**CATTLE**			**SHEEP**		**GOATS**		**PIGS**	**RABBITS**	**POULTRY**							**DONKEYS**	**CAMELS**	**OSTRICH**
	DAIRY	**ZEBU**	**EXOTIC BEEF**	**WOOL**	**HAIR**	**MILK**	**MEAT**			**BROILER**	**LAYERS**	**INDEGIN.**	**DUCKS**	**TURKEYS**	**GEESE**	**OTHER**			
Migori	10	326	0	0	191	3	297	4	7	18	61	3,472	0	0	0	18	4	0	0
Homa Bay	6	635	0	0	310	3	357	34	15	12	39	1,775	0	0	0	12	25	0	0
Siaya	4	307	0	0	129	2	233	12	10	28	30	721	0	0	0	16	7	0	0
Kisumu	16	287	0	0	217	2	207	4	5	321	67	650	0	0	0	21	4	0	0
Nyamira	64	20	0	0	12	0	30	0	3	2	75	401	0	0	0	2	2	0	0
Baringo	133	250	0	14	330	2	592	0	4	45	11	447	0	0	0	3	4	0	0
Nakuru	101	103	0	56	118	7	140	6	29	252	227	631	0	0	0	43	15	5	1
Bomet	150	110	0	25	71	3	60	0	9	12	18	371	0	0	0	2	25	0	0
Kajiado	118	330	0	0	489	1	534	5	51	124	9	323	0	0	0	71	25	2	0
Elgeiyo Marakwet	189	150	0	129	159	1	202	0	4	12	10	372	0	0	0	4	3	0	0
Kericho	249	35	0	26	39	2	73	0	8	25	9	441	0	0	0	3	11	0	0
Laikipia	91	188	0	39	275	64	209	3	31	14	23	341	0	0	0	9	7	9	0
Nandi	163	53	0	19	52	1	30	0	6	11	6	408	0	0	0	2	2	0	0
Narok	138	544	0	119	245	1	305	0	4	7	0	106	0	0	0	0	42	0	0
Samburu	10	319	0	0	380	1	1,631	0	0	0	4	127	0	0	0	0	28	36	0
Trans Nzoia	126	19	0	1	46	1	23	3	4	2	7	428	0	0	0	10	3	0	0
Turkana	0	155	0	0	846	0	1,618	0	0	3	0	18	0	0	0	0	33	138	0
Uasin Gishu	276	27	0	23	64	0	65	8	5	55	25	245	0	0	0	0	2	0	0
West Pokot	59	351	0	7	391	0	504	0	1	17	0	617	0	0	0	2	10	1	0
Bungoma	71	207	0	1	95	1	62	12	30	13	32	1,087	0	0	0	118	4	0	0
Vihiga	28	142	0	0	26	3	31	1	17	4	21	254	0	0	0	46	0	0	0
Busia	12	189	0	0	78	0	101	66	23	3	9	821	0	0	0	63	0	0	0
Kakamega	89	289	0	0	84	0	57	23	33	20	47	1,128	0	0	0	74	2	0	0
Total	**3,739**	**10,359**	**29**	**798**	**10,141**	**294**	**17,694**	**344**	**675**	**2,601**	**2,847**	**26,220**	**21**	**14**	**9**	**640**	**946**	**1,787**	**1**

Annex 19: Livestock Population and Products ('000) by County, 2012

County summaries for livestock for year 2012																		
County	**Cattle**		**Sheep**		**Goats**		**Pigs**	**Rabbits**	**Poultry**				**Donkeys**	**Camels**	**Hives**			**Ostrich**
	Dairy	**Beef**	**Wool**	**Hair**	**Dairy**	**Meat**			**Broilers**	**Layers**	**Indigenous**	**Others**			**Log**	**KTBH**	**Lang**	
Nakuru	166,076	149,900	58,675	207,382	14,825	178,499	11,415	46,446	95,740	231,215	738,969	55,582	55,220	-	12,862	11,037	1,981	-
Baringo	158,437	373,710	16,992	398,195	1,179	966,969	543	5,195	7,040	45,090	913,809	2,671	24,921	150	153,666	13,281	2,189	-
Bomet	213,245	128,473	39,014	70,795	3,616	62,666	13	8,866	15,780	21,883	373,186	4,275	23,831	-	10,211	2,132	1,494	-
Kajiado	143,869	507,025	-	989,022	1,498	1,045,025	16,069	60,182	133,220	86,333	203,856	7,478	49,663	25	4,300	7,547	1,892	1,500
Elgeyo Marakwet	189,416	161,638	97,075	140,478	1,181	173,592	82	2,196	600	15,683	421,539	3,903	6,475	50	54,922	1,062	292	-
Kericho	274,459	51,988	8,034	70,300	2,193	85,473	488	12,342	14,739	36,145	528,991	9,609	14,045	-	10,788	3,507	939	-
Laikipia	52,794	643,072	24,103	330,361	18,496	305,994	2,139	20,748	9,050	30,746	332,360	9,889	12,516	11,370	40,062	8,330	3,290	-
Nandi	257,913	45,584	32,471	88,717	2,277	33,235	229	9,310	10,048	22,742	572,527	3,920	3,712	-	11,206	4,361	1,651	-
Narok	234,017	993,862	260,912	873,137	3,905	748,572	299	5,643	1,104	3,766	653,083	12,945	68,789	8	43,918	5,114	5,791	-
Samburu	479	585,464	-	506,291	621	974,818	2	-	1,800	4,878	47,208	5	31,226	49,602	35,429	3,910	1,680	-
Trans-Nzioa	173,462	12,125	4,867	72,225	719	26,211	4,929	11,510	18,380	105,600	594,236	21,373	7,028	-	3,921	5,836	4,496	-
Turkana	-	1,269,566	560,587	2,663,536	55	5,741,454	36	155	3,918	2,794	158,992	4,301	501,022	928,084	21,410	2,934	583	-
Uasin-Gishu	371,279	37,875	34,376	127,213	497	79,800	12,087	6,240	76,913	63,790	465,526	8,360	3,551	-	9,640	7,718	1,724	-
West Pokot	27,030	279,998	101,640	437,795	91	555,577	150	1,400	500	3,700	700,050	5,230	12,006	5,150	29,567	3,230	1,335	-
Kiambu	262,187	52,811	32,295	91,738	27,471	91,281	40,307	52,442	603,712	958,940	934,175	1,554	12,301	119	4,782	5,820	3,707	-
Kirinyaga	75,396	31,568	-	14,823	12,967	51,018	9,503	47,192	22,862	60,051	566,343	-	4,211	-	4,834	4,263	1,080	-
Murang'a	244,514	30,471	12,287	33,919	51,762	98,240	32,711	71,636	101,002	190,751	506,892	314	636	-	4,404	5,721	3,463	-
Nyandarua	313,270	30,588	236,840	83,036	6,048	80,307	1,913	30,795	5,360	15,906	374,365	-	7,733	-	9,785	3,998	1,746	-
Nyeri	176,374	11,845	13,345	99,251	33,200	54,918	9,234	42,116	20,240	43,330	296,466	7,858	1,626	-	6,624	9,360	2,615	10
Garissa	121	449,297	-	631,732	299	1,242,687	-	-	2,600	-	292,421	-	52,548	320,100	844	2,341	477	-
Mandera	200	765,080	-	648,446	180	1,098,384	-	-	-	-	129,500	-	80,300	559,400	2,505	2,630	440	-
Wajir	206	636,794	-	1,466,704	2,399	1,153,337	-	-	-	214	113,884	-	133,888	664,911	394	318	238	120
Nairobi	35,322	19,372	90	30,582	7,876	34,812	31,436	34,186	409,715	180,719	261,773	34,354	3,493	-	416	2,858	1,473	-
Kisii	157,115	113,420	-	33,323	783	89,481	846	6,011	9,543	109,899	1,137,884	7,687	2,858	-	573	2,896	1,214	-
Migori	10,424	256,889	85	121,395	2,938	145,022	6,646	5,708	6,399	54,433	1,674,027	13,459	3,485	-	1,840	1,030	2,627	-
Homa Bay	6,353	652,512	-	361,420	3,385	372,705	34,734	15,485	21,030	49,170	1,963,288	17,280	27,503	2	353	1,928	4,833	-
Siaya	4,864	311,269	-	132,791	3,211	242,153	13,158	11,138	51,350	39,387	736,059	34,774	6,834	-	160	2,373	6,984	-
Kisumu	16,346	295,216	-	219,849	1,702	220,436	5,789	11,172	381,484	72,112	802,035	42,803	7,849	-	162	1,710	2,638	-
Nyamira	70,073	28,762	-	16,455	557	36,464	326	4,324	2,600	71,906	478,863	3,252	1,778	-	1,252	1,722	3,163	-
Embu	68,260	83,806	1,446	68,148	26,432	318,798	9,017	44,371	53,365	55,661	526,260	6,679	5,600	-	56,721	4,118	2,942	1,720
Makueni	28,562	289,491	-	117,607	11,651	617,060	1,185	11,485	13,450	21,738	641,076	1,725	22,191	13	57,875	1,452	6,140	-
Tharaka Nithi	42,649	41,613	-	44,393	3,857	126,427	11,128	33,445	14,780	23,669	462,615	3,601	11,700	-	327,260	715	1,885	-
Marsabit	500	480,000	-	1,100,000	-	1,200,000	125	2,000	-	-	120,000	-	-	225,000	3,000	-	-	-
Kitui	6,339	386,764	-	60,560	2,507	938,710	539	3,549	24,522	20,992	1,433,420	6,892	84,648	13	444,973	1,189	7,948	56
Machakos	41,756	183,290	-	102,160	7,045	280,144	4,762	12,402	280,900	116,760	848,567	5,303	19,362	300	24,268	5,972	6,432	33
Isiolo	400	198,500	-	362,000	1,358	399,000	222	630	2,700	2,530	28,590	1,625	22,200	40,000	194	209	616	4
Meru	175,000	223,500	41,000	185,000	35,300	296,000	28,000	54,600	92,969	-	-	6,100	22,000	-	60,000	9,500	1,400	-

County summaries for livestock for year 2012																		
County	**Cattle**		**Sheep**		**Goats**		**Pigs**	**Rabbits**	**Poultry**				**Donkeys**	**Camels**	**Hives**			**Ostrich**
	Dairy	**Beef**	**Wool**	**Hair**	**Dairy**	**Meat**			**Broilers**	**Layers**	**Indigenous**	**Others**			**Log**	**KTBH**	**Lang**	
Taita Taveta	11,785	152,989	-	54,540	2,603	172,632	1,600	2,923	21,616	22,875	603,663	7,863	2,135	1,696	4,665	1,496	5,201	125
Kilifi	61,778	269,097	-	42,885	1,016	304,974	2,243	9,583	167,700	107,908	1,166,580	57,339	5,409	59	4,111	4,226	7,116	-
Tana River	84	518,562	-	276,500	1,291	531,251	-	130	909	1,650	144,200	8,270	23,320	58,614	9,841	578	1,881	-
Mombasa	2,102	3,915	-	1,131	100	10,985	443	1,115	68,600	13,500	26,550	2,532	29	22	55	65	119	9
Kwale	3,257	232,825	-	82,408	1,675	292,625	256	1,322	26,325	24,600	372,658	22,966	883	44	4,781	723	2,601	-
Lamu	6,500	155,000	-	24,500	1,500	121,000	-	2,913	3,400	2,500	13,500	1,900	7,400	-	2,500	800	1,200	400
Bungoma	86,601	255,349	3,370	869,439	4,113	83,694	28,874	23,814	6,754	29,978	2,032,044	97,900	3,875	-	10,668	7,016	3,996	-
Vihiga	25,725	56,588	10,858	7,652	1,708	22,714	2,102	10,829	3,628	15,951	334,214	18,900	285	-	948	2,478	1,122	-
Busia	6,817	160,543	25	68,210	750	106,858	49,472	11,100	5,013	10,076	593,462	25,350	159	-	875	1,437	2,572	-
Kakamega	136,922	256,565	-	97,270	1,429	59,667	33,651	32,895	29,080	85,237	1,648,270	101,462	2,961	-	4,627	6,612	6,920	2,500
Total	**4,340,278**	**12,874,571**	**1,590,387**	**14,525,314**	**310,266**	**21,871,669**	**408,703**	**781,544**	**2,842,440**	**3,076,808**	**27,967,976**	**689,283**	**1,395,205**	**2,864,732**	**1,498,192**	**177,553**	**126,126**	**6,477**

Annex 20: Livestock Population and Products ('000) by County, 2013

County summaries for livestock population for year 2013 (numbers)																		
County	Cattle		Sheep		Goats		pigs	Rabbits	Poultry									
	Dairy	Beef	Wool	Hair	Dairy	Meat			Broilers	layers	indigenous	others	Quails	ducks	Turkeys	Guinea fowls	Geese	Pigeons
Elgeyo Marakwet	159,276	148,008	114,309	129,548	1,220	194,670	88	2,554	1,600	14,594	433,527	6,694	-	-	-	-	-	-
Embu	74,762	61,226	1,248	47,067	26,169	210,124	27,743	60,190	38,925	68,581	472,284	19,152	-	-	-	-	-	-
Isiolo	400	198,500	-	362,000	1,358	399,000	222	630	2,700	2,530	28,590	1,625	1,500	100	25	-	-	-
Kisii	162,973	110,910	-	35,143	1,414	89,433	882	9,393	6,576	99,991	1,196,642	8,435	-	-	-	-	-	-
Mombasa	1,810	3,680	-	1,020	120	9,810	420	1,230	69,300	12,500	28,950	10,450	6,800	-	-	280	-	-
Samburu	2,542	174,296	-	525,455	637	1,041,934	-	60	3,605	3,601	155,634	-	-	-	-	-	-	-
Kajiado	155,761	542,658	-	726,632	1,631	1,119,370	21,991	22,006	338,738	171,203	211,357	10,377	3,000	25	-	-	-	-
Tana River	68	586,469	-	304,734	1,417	618,962	8	65,278	1,750	1,850	129,076	8,047	-	-	-	-	-	-
Migori	8,968	341,564	17	221,878	4,152	422,797	9,112	7,969	19,199	66,003	4,713,753	15,353	-	-	-	-	-	-
Kilifi	51,511	257,991	180	42,065	2,395	278,529	1,339	3,873	124,488	96,241	859,850	80,500	68	63	300	5,606	-	-
Kisumu	17,407	305,905	-	234,667	1,823	232,565	6,041	13,239	396,554	77,262	866,558	29,067	-	-	-	-		
Homa bay	6,641	664,187	-	369,144	45,728	369,007	10,601	15,718	21,275	49,215	2,024,328	18,987	-	-	-	-	-	-
Nyamira	71,915	28,414	58	17,452	741	38,062	366	7,119	3,400	76,651	486,660	3,540	-	-	-	-	-	-
Siaya	5,285	323,287	-	139,456	3,630	257,221	14,186	12,170	64,498	39,097	797,651	22,309	-	-	-	-	-	-
Kwale	3,389	221,923	-	77,254	1,132	297,972	270	1,604	32,550	24,495	430,986	38,257	-	-	-	-	-	-
Kirinyaga	77,145	31,875	13	15,151	13,535	51,393	9,804	51,126	25,115	61,907	585,108	-	-	-	-	-	-	-
Tharaka-Nithi	45,287	88,604	3,946	66,880	13,537	233,013	11,700	32,859	34,794	29,047	614,672	5,426	-	-	-	-	-	-
Meru	175,000	223,500	41,000	185,000	35,300	296,000	28,000	54,600	-	92,969	612,271	6,100	-	-	-	-	-	-
Busia County	15,895	165,880	-	54,991	1,684	63,000	54,824	4,145	-	18,614	789,315	-	-	35,701	7,403	2,724	-	-
Kiambu	246,140	54,110	41,984	79,947	24,924	81,755	40,940	54,306	596,119	1,007,486	929,757	11,986	-	-	-	-	-	-
Kakamega	147,822	277,980	-	93,495	2,763	76,509	40,920	37,110	38,401	101,823	1,738,290	-	10,936	78,220	15,877	2,042	7,261	11,370
Nyandarua	298,282	22,296	236,840	83,036	5,586	80,309	1,913	39,255	5,360	15,906	374,365	13,392	-	-	-	-	-	-
Garissa	-	1,311,176	-	1,190,365	-	1,498,687	-	-	-	-	804,210	-	-	-	-	-	-	-
Murang'a	234,129	21,384	9,507	32,853	48,581	96,749	31,477	74,146	76,922	201,932	513,652	9,574	-	-	-	-	-	-
Lamu	6,500	155,000	-	24,500	1,500	121,000	-	2,913	3,400	2,500	13,500	1,900	-	-	-	-	-	-
Nairobi	37,619	18,677	435	28,910	10,936	45,002	35,049	40,274	450,984	178,526	269,706	37,080	-	-	-	-	-	-
Nyeri	151,859	8,900	13,446	102,078	34,533	58,529	9,824	46,433	29,076	54,415	300,064	4,280	-	-	-	-	-	-
Makueni	26,664	285,634	870	120,878	11,678	657,557	1,464	7,743	13,300	23,628	785,773	2,364	-	-	-	-	-	-
Trans Nzoia	167,200	19,000	-	100,900	1,200	26,400	5,000	11,500	13,350	105,600	594,500	20,400	-	-	-	-	-	-
Marsabit	-	470,000	-	1,600,000	-	1,800,000	-	-	-	-	60,000	-	-	-	-	-	-	-
Bomet	274,591	52,332	25,191	55,328	3,587	61,111	47	9,975	10,654	25,302	377,399	585	-	-	-	-	-	-
Bungoma	92,300	251,800	-	116,650	2,100	101,300	32,100	31,600	6,900	31,900	1,755,900	-	280	46,600	19,500	-	6,200	13,300
Taita Taveta	27,073	143,405	-	57,054	2,145	480,974	1,491	3,458	19,400	24,805	619,870	3,884	-	-	-	-	-	-
Vihiga	39,420	124,420	-	16,377	6,000	34,695	1,820	9,880	12,280	27,730	615,000	1,950	-	-	-	-	-	-
Laikipia	52,800	201,100	7,053	389,045	12,996	329,030	1,150	18,748	9,050	30,746	332,360	9,889	-	-	-	-	-	-
Turkana	-	1,534,612	-	3,517,026	22	5,994,859	36	176	3,368	2,260	162,862	7,960	-	-	-	-	-	-

County summaries for livestock population for year 2013 (numbers)																		
County	**Cattle**		**Sheep**		**Goats**		**pigs**	**Rabbits**	**Poultry**									
	Dairy	**Beef**	**Wool**	**Hair**	**Dairy**	**Meat**			**Broilers**	**layers**	**indigenous**	**others**	**Quails**	**ducks**	**Turkeys**	**Guinea fowls**	**Geese**	**Pigeons**
Kericho	257,760	64,143	10,373	71,163	2,432	91,710	439	14,689	38,869	72,405	581,453	7,096	-	-	-	-	-	-
Machakos	41,069	228,565	-	116,180	7,622	239,864	4,170	10,606	88,630	129,920	714,527	60,050	-	-	-	-	-	-
Narok	252,664	1,101,483	233,238	1,076,099	4,451	953,720	432	6,039	1,200	12,435	700,388	-	-	5,042	-	683	49,005	-
Wajir	12	718,928	-	1,177,500	254	1,503,730	-	-	76	534	188,732	200	-	-	-	-	-	-
West Pokot	58,000	341,000	91,000	360,000	120	444,600	265	1,500	400	1,700	401,000	50,000	-	-	-	-	-	-
Nandi	251,455	45,584	34,511	85,289	1,512	34,025	153	7,638	10,091	23,242	574,887	-	-	1,461	1,068	-	574	-
Uasin Gishu	394,052	39,763	37,398	128,059	451	82,800	12,692	12,212	-	143,848	707,726	-	-	-	-	-	-	-
Kitui	6,339	386,764	-	60,560	2,507	938,710	539	3,549	24,522	20,992	1,433,420	6,892	-	-	-	-	-	-
Baringo	159,383	372,379	19,556	385,785	3,074	949,331	137	4,904	14,800	50,420	1,018,381	6,088	-	2,757	1,718	-	814	799
Mandera	200	765,080	-	648,446	180	1,098,384	-	-	-	-	129,500	-	-	-	-	-	-	-
Nakuru	246,214	138,526	171,845	233,833	11,718	172,696	13,324	57,141	-	471,988	1,047,035	-	-	-	-	-	-	-
Total	**4,505,582**	**13,632,918**	**1,094,018**	#########	**360,495**	**24,276,898**	**432,979**	**871,558**	**2,652,219**	**3,768,394**	**33,181,469**	**539,889**	**22,584**	**169,969**	**45,891**	**11,335**	**63,854**	**25,469**

County summaries for livestock population for year 2013 (numbers)									
County	**Crocodiles**	**Donkeys**	**Camels**	**Hives**				**Ostrich**	**Guinea pigs**
				Log	KTBH	Lang	Box hives		
Elgeyomarakwet	-	14,745	50	53,046	1,036	962	-	-	-
Embu	-	2,871	-	55,001	5,824	4,063	3,559	-	-
Isiolo	-	22,200	40,000	194	209	616	-	4	-
Kisii	-	3,030	-	638	4,323	413	-	-	-
Mombasa	20,600	270	20	70	70	120	-	-	-
Samburu	-	32,148	51,033	35,503	4,638	2,467	-	400	-
Kajiado	-	61,776	2,612	10,129	6,573	3,641	-	1,800	-
Tana River	-	26,475	64,268	8,854	494	1,334	-	600	-
Migori	-	6,163	-	1,868	1,376	3,099	-	-	-
Kilifi	1,981	2,945	1,828	4,644	7,890	5,000	43,225	30	-
Kisumu	-	8,043	2	194	1,856	2,911	-	2	-
Homa bay	-	30,176	-	890	2,155	5,594	-	-	-
Nyamira	-	1,842	-	1,204	1,995	3,337	-	112	-
Siaya	-	7,577	-	1,642	2,281	7,282	-	-	-
Kwale	-	1,225	14	4,366	421	2,469	-	-	-
Kirinyaga	-	4,403	-	5,048	4,968	1,084	-	1	-
Tharaka-Nithi	-	7,998	-	324,820	1,144	1,134	-	-	-
Meru	-	22,000	-	60,000	9,500	1,400	-	-	-
Busia County	4,596	-	753	-	-	-	-	-	-
Kiambu	-	13,708	119	4,548	5,811	3,435	-	-	-
Kakamega	-	3,185	-	4,784	7,141	7,452	-	4	170
Nyandarua	-	8,293	-	9,785	3,998	1,746	-	-	-
Garissa	-	160,000	360,893	1,830	3,450	1,032	-	-	-
Murang'a	-	718	-	4,299	5,683	3,647	-	-	-
Lamu	-	7,400	-	2,500	800	1,200	-	400	-
Nairobi	-	5,656	-	503	2,840	1,630	-	-	-
Nyeri	-	1,706	-	6,699	9,434	2,676	-	-	-
Makueni	-	21,642	-	58,574	1,425	6,305	-	-	-
Trans Nzoia	-	7,000	4	3,110	3,290	2,560	-	3	-
Marsabit	-	70,000	240,000	-	3,000	-	-	-	-
Bomet	-	26,979	-	11,561	3,024	2,015	-	-	-
Bungoma	-	5,350	-	8,600	6,400	4,300	-	-	2,000
Taita Taveta	-	2,052	1,356	3,200	1,170	5,654	-	125	-
Vihiga	-		-	525	1,177	1,348	-	-	-

County summaries for livestock population for year 2013 (numbers)									
County	**Crocodiles**	**Donkeys**	**Camels**	**Hives**				**Ostrich**	**Guinea pigs**
				Log	KTBH	Lang	Box hives		
Laikipia	-	12,516	9,800	40,062	8,330	3,290	-	-	-
Turkana	-	558,189	832,462	20,747	6,987	670	-	-	-
Kericho	-	13,130	-	22,380	5,525	1,005	-	-	-
Machakos	-	14,797	-	23,239	5,350	5,867	-	-	-
Narok	-	62,936	2,150	40,725	4,053	2,906	-	-	-
Wajir	-	186,044	717,028	247	254	373	-	6	-
West Pokot	-	11,400	5,250	18,300	1,620	480	-	-	-
Nandi	-	3,483	-	11,952	5,176	1,669	-	-	-
Uasin Gishu	-	-	-	10,974	7,475	2,137	-	-	-
Kitui	-	84,648	13	444,973	1,189	7,948	-	56	-
Baringo	**-**	**13,660**	**10,189**	**126,007**	12,517	2,341	-	125	-
Mandera	**-**	**80,300**	**559,400**	**2,505**	2,630	440	-	-	-
Nakuru	-	82,703	-	27,997	14,217	2,216	-	-	-

Annex 21: Livestock Population and Products ('000) by County, 2014

National summaries for livestock population for year 2014																	
County	**Cattle**		**Sheep**		**Goats**		**pigs**	**Rabbits**	**Poultry**								
	Dairy	**Beef**	**Wool**	**Hair**	**Dairy**	**Meat**			**Broilers**	**layers**	**indigenous**	**others**	Turkeys	Ducks	Quails	Guinea fowls	Geese
Trans Nzoia	170,500	16,900	2,000	115,000	1,500	28,300	5,800	11,600	18,300	111,600	664,200	21,400					
West pokot	70,000	365,000	98,000	385,000	250	450,000	320	3,800	500	2,100	475,000	52,900					
Laikipia	56,000	233,650	14,103	390,000	12,996	370,000	500	20,748	16,000	34,220	345,000	9,889					
Kajiado	157,302	525,289	-	981,271	1,636	1,080,297	21,997	22,014	340,408	169,533	211,357	1,735	65	25	1,645		
Kitui	6,666	388,264	-	84,196	4,142	940,645	1,015	3,499	24,410	18,892	1,425,410	10,654	-	-	-		
Machakos	39,950	205,490	-	102,160	8,430	321,870	5,500	16,250	174,800	184,100	1,306,000	23,720					
Makueni	22,353	233,814	-	115,011	11,678	675,045	2,040	13,725	13300	23,628	965,475	3,244					
Garissa	191	1,104,184		1,089,870	147	1,947,163	-	-	-	-	195,021	-					
Lamu	8,549	112,119	-	24,576	5,976	130,620	-	1,764	6,065	4,295	177,401	9,434			480	860	
Tana River	76	607,190	-	325,650	1,330	693,350	11	332	1,000	2,402	131,912	8,270					
Wajir	12	718,928	-	1,177,500	254	1,503,730	-	-	76	534	188,732	200	-	-	-	-	
Mombasa	1,866	3,968	3	931	115	20,710	692	1,408	80,600	12,900	36,205	-	-	-	5,695	-	
Taita Taveta	27,472	149,179	-	57,293	3,145	172,450	1,407	9,965	17,078	21,113	608,609	7,385	-	-	-	-	
Kwale	3,488	299,026	-	96,031	1,382	350,874	468	1,453	74,800	12,250	477,918	6,850					
Kilifi	51,518	261,717	-	38,770	828	286,782	2,648	8,978	129,988	105,941	998,600	-	3,944	89,698	280	7,991	3,850
Embu	90,427	89,200	1,525	53,319	27,085	239,571	15,780	59,636	43,690	73,768	510,188	3,547	1,595	2,328	1,955	430	1,532
Kirinyaga	79,318	31,947	-	15,671	13,535	37,791	11,316	51,126	27,115	46,407	597,366	-	15,142	530	1,033	2,734	1,228
Nyeri	173,075	11,938	13,377	99,789	32,367	55,113	10,019	45,205	62,687	43,727	298,666	-	1,809	2,085	5,000	45	1,395
Murang'a	239,196	21,881	13,959	30,652	51,116	107,938	35,510	85,210	104,573	257,646	554,883	-	2,218	3,851	16,800	183	3,425
Uasin Gishu	327,843	39,763	37,398	128,059	120	82,800	12,692	6,227	76,913	143,848	707,726	-	-	4,394	-	-	-
Tharaka Nithi	46,188	92,936	-	57,628	12,230	233,231	12,354	36,520	24,477	30,687	611,271	6,994					
Meru	175,000	250,500	41,000	185,000	35,300	296,000	28,000	54,600		92,969	612,271	6,100					
Isiolo	240	205,080	-	356,902	720	386,258	-	-	2,000	4,000	32,978	665					
Marsabit	742	218,013	-	2,029,490	488	1,185,964	-	71	-	4,714	41,137	3	-	-	-	-	-
Narok	257,200	1,150,998	35,206	1,080,812	1,838	787,331	385	3,013	1,400	9,236	816,018	6,137	-	-	-	-	-
Bomet	265,431	112,742	68,418	87,388	2,839	62,636	35	10,330	22,415	33,650	378,055	40,645					
Nyamira	70,859	28,734	-	17,170	509	37,290	321	3,415	-	248,997	329,380	2,136	-	-	-	-	-
Kisii	157,471	111,871	-	47,157	1,750	94,655	914	16,323	8,785	111,921	1,310,874	8,421	-	-	-	-	-
Kisumu	17,322	268,356	-	219,849	1,798	220,462	5,348	12,015	124,916	73,712	849,535	42,803	-	-	-	-	-
Migori	11,428	331,535	-	212,484	3,976	307,815	4,604	7,603	17,799	63,883	4,648,187	13,534	-	-	-	-	-
Homabay	10,518	636,356	-	333,334	4,102	383,373	36,719	15,751	13,950	47,268	2,380,393	26,551	-	-	-	-	-
Samburu	312	184,881	-	566,871	162	1,110,117	-	-	3,463	4,938	164,536	52	-	-	-	-	-

National summaries for livestock population for year 2014																	
County	**Cattle**		**Sheep**		**Goats**		**pigs**	**Rabbits**	**Poultry**								
	Dairy	**Beef**	**Wool**	**Hair**	**Dairy**	**Meat**			**Broilers**	**layers**	**indigenous**	**others**	Turkeys	Ducks	Quails	Guinea fowls	Geese
Nyandarua	292,191	24,713	193,254	76,391	8,086	70,420	925	39,142	7,310	16,509	242,563	12,354	-	-	-	-	-
Kiambu	246,005	42,590	30,067	84,024	81,755	24,926	40,788	55,814	927,272	768,713	791,434	-	-	-	11	136	-
Siaya	5,698	492,591	-	143,752	4,656	260,252	13,453	12,324	63,688	40,394	804,161	24,262					-
Bungoma	102,183	259,940	5,366	125,326	3,353	105,437	15,220	39,645	8,572	36,072	1,808,108		21,942	32,259		1,257	10,529
Kakamega	118,806	191,905	150	77,225	2,099	69,664	34,172	41,476	38,840	121,450	2,010,545	94,050	-	-	-	-	-
Vihiga	40,209	126,908	-	18,060	7,046	29,800	2,130	11,856	14,500	89,800	738,999		4,600	3,290	4,320	2,320	4,075
Nandi	220,557	99,388	36,840	88,421	3,235	44,972	761	8,647	9,286	37,152	690,705	-					
Baringo	153,099	344,289	15,055	347,573	5,171	876,936	155	5,089	30,646	41,264	1,006,647		3,004				
Nakuru	286,050	160,514	128,958	312,084	15,529	259,506	18,866	88,682	85,007	295,978	1,183,108	76,075					
Kericho	102,684	182,372	13,342	62,466	3,756	85,601			31,169	62,370	507,138	7,471					
Elgeiyo Marakwet	159,276	148,008	114,309	129,548	1,220	194,670	88	2,554	1,600	14,594	433,527	6,694					
Nairobi	34987	18212	125	29277	7992	45547	33031	42610	468156	179122	243777	41282	0	0	0	0	0
Turkana	0	1534612	0	3517148	0	5994881	36	0	0	0	162862	0	0	0	0	0	0
Mandera	0	692321	0	986632	0	2314939	0	0	0	0	202995	0	0	0	0	0	0
Busia	15895	165880	0	54991	1684	63000	54824	4145		18614	789315		7433	27897	2100	2000	2724
Total	**4,316,153**	**13,495,692**	**862,455**	**16,557,752**	**389,326**	**25,040,732**	**430,844**	**874,565**	**3,117,554**	**3,716,911**	**34,666,188**	**575,457**	**61,752**	**166,357**	**39,319**	**17,956**	**28,758**

National summaries for livestock population for year 2014												
County	**Donkeys**	**Camels**	**Hives**				**ostrich**	**Horses**	**Crocodiles**	**Guinea Pigs**	**Doves**	**Pegion**
			Log	**KTBH**	**Lang**	**Box**						
Trans Nzoia	7,030	4	3,921	5,836	4,496		-					
West pokot	13,900	5,600	19,000	2,110	590		-					
Laikipia												
Kajiado	61,813	840	4,306	6,323	3,467		1,800					
Kitui	126,064	-	109,361	2,160	4,840	-	-					
Machakos	18,720	-	21,770	28,910	8,200	20	-					
Makueni	32,695	459	41,764	-	-	-	-					
Garissa	119,513	375,490										
Lamu	7,423	-	1,800	800	950		270					
Tana River	26,932	61,992	35,628	570	1,651		600					
Wajir	186,044	717,028	247	254	373	-	6					
Mombasa	19	16	53	95	128	10	-					
Taita Taveta	2,177	3,320	2,943	1,029	5,395	-	125					
Kwale	968	104	3,082	674	2,721	-	-					
Kilifi	7,204	185	4,378	2,989	6,350	-	-	88	71,500			
Embu	6,088	1	55,113	15,133	4,597	2,730	-					
Kirinyaga	5,392	-	4,728	4,768	1,954	-	-					
Nyeri	2,368	-	6,665	9,345	2,747	-	-					
Murang'a	764	-	5,630	6,332	4,008	-	2					
Uasin Gishu	2,982	2	13,604	5,577	1,894	-	3					
Tharaka Nithi	8,300	-	326,919	1,174	1,077	-	-	-	-			
Meru	22,000		60,000	9,500	1,400	-	-					
Isiolo	46,484	60,836	1,576	110	396	-	18					
Marsabit	81,942	217,368	2,033	2,902	952	-	-	-	-			
Narok	70,249	102	33,018	3,478	1,455	-	-	-	-	-	-	-
Bomet	27,356		14,248	3,388	2,305		-					

National summaries for livestock population for year 2014												
County	**Donkeys**	**Camels**	**Hives**				**ostrich**	**Horses**	**Crocodiles**	**Guinea Pigs**	**Doves**	**Pegion**
			Log	**KTBH**	**Lang**	**Box**						
Nyamira	277	-	965	638	45	-	-					
Kisii	3,800	-	680	4,980	663	20	-					
Kisumu	7,849	-	252	2,310	2,648	-	2	-	-			
Migori	4,029	-	1,947	1,122	2,953	-	-	-	-			
Homabay	27,846	-	328	1,983	5,218	-	-					
Samburu	34,711	53,921	32,896	6,035	2,852	-	-					
Nyandarua	6,800	-	9,167	4,332	1,748	-	-					
Kiambu	13,442	-	2,558	7,160	5,091	-	-					
Siaya	7,719	-	202	2,148	8,310	-	-					
Bungoma		-	8,879	6,955	5,385			3				14,847
Kakamega	-	-	4,934	7,541	8,071							
Vihiga	1,050	-	650	1,265	1,896	-	-			3,420		
Nandi	9,526	-	15,050	7,267	2,929	-	-					
Baringo	14,911	10,619	125,414	13,935	2,366	-	-			-	799	
Nakuru	73,837	-	24,878	11,767	2,316	-	102					
Kericho	19,630	-	8,585	4,547	697	-	-					
Elgeiyo Marakwet	14,745	50	53,046	1,036	142	-	-					
Nairobi	4859	0	314	2779	1309	0	0					
Turkana	558189	832462	0	0	0	0	0					
Mandera	194285	596863	9418									
Busia	853		35000									4,596
Total	**1,882,785**	**2,937,262**	**#######**	**201,257**	**######**	**2,780**	**2,928**	**91**	**71,500**	**3,420**	**799**	**19,443**

Annex 22: Products by County 2012

County	Milk (kg)	Beef (kg)	Wool (kg)	chevon (kg)	Mutton (kg)	Pork (kg)	Rabbit meat (kg	Poultry meat (kg)	Camel meat (kg)	Honey (kg)	Wax (kg)	Eggs (trays)	Hides (No.)	Skins (No.)
Nakuru	146,387,103	2,390,060	30,832	74,070	395,888	2,800	500	130,565	-	260,941	15,150	6,686,694	-	-
Baringo	66,987,035	695,380	-	476,361	196,755	-	-	155,732	180	226,603	180	6,410,446	-	-
Bomet	91,963,207	2,419,883	-	40,515	59,790	-	2,000	155,334	-	48,905	6,460	17,328,452	-	-
Kajiado	21,695,764	948,366	-	128,729	144,563	31,050	11,300	764,550	4,500	17,361	420	875,530	-	-
Elgeyo - Marakwet	14,310,972	76,543	48,333	59,584	71,372	3,320	-	-	-	122,780	90	178,184	-	-
Kericho	92,913,334	1,269,200	-	73,920	48,040	-	2,320	104,500	-	60,157	255	4,800,000	-	-
Laikipia	24,258,497	4,354,920	36,304	698,664	860,218	76,740	9,158	91,074	162,000	150,424	7,336	7,886,850	-	-
Nandi	120,786,975	106,118	-	20,864	25,446	-	-	39,636	-	174,850	765	6,054,273	-	-
Narok	63,639,971	2,770,670	558,020	481,390	629,390	160	-	106,270	-	833,480	-	1,074,626	-	-
Samburu	13,753,915	242,640	-	95,800	95,880	-	-	8,210	274,650	187,130	56,275	3,141,500	-	-
Trans-Nzioa	88,239,070	903,507	-	28,369	49,006	530	-	97,960	-	87,001	200	744,000	-	-
Turkana	96,386,361	391,487	-	486,357	985,703	-	10	14,000	781,773	123,296	90	52,000	-	-
Uasin-Gishu	159,386,984	701,346	7,389	62,006	14,325	76,580	1,000	219,386	-	45,492	15,779	5,390,201	-	-
West Pokot	6,141,462	940,360	137,700	101,302	55,911	-	-	295,980	11,388	464,806	320	2,299,390	-	-
Kiambu	244,732,635	2,206,854	4,255	178,128	169,115	1,088,289	17,306	5,127,349		74,484	13,689	7,094,083	-	-
Kirinyaga	77,265,818	237,100	-	184,000	52,700	397,000	43,000	287,000	-	117,000	12,100	676,084	-	-
Murang'a	231,002,857	1,832,736	-	225,003	68,127	883,197	23,640	956,860		69,791	12,806	1,603,785	-	-
Nyandarua	284,244,502	2,246,676	246,750	129,533	475,116	51,651	10,162	226,307		66,585	13,707	332,992	-	-
Nyeri	164,147,180	1,200,384	-	132,177	177,939	249,318	13,898	351,300		84,786	15,897	473,101	-	-
Garissa	13,755,755	2,565,244	-	1,083,880	141,232	-	-	127,830	4,903,300	9,130	10	565,145	-	-
Mandera	15,769,200	717,600	-	1,251,770	517,645	-	-	17,440	1,076,840	5,517	81	155,000	-	-
Wajir	86,394,232	5,249,110	-	2,764,510	2,323,201	-	-	189,229	1,679,171	2,381	154	1,301,762	-	-
Nairobi	41,479,967	5,212,200		1,030,250	1,067,124	1,528,150	-	786,808	-	61,036	5,330	17,791,884	3,779	134,059
Kisii	186,700,000	1,585,100	-	266,310	60,360	10,650	-	2,070,900	-	63,480	20,060	1,274,676	-	-
Migori	34,219,330	4,478,555	-	541,865	136,285	28,230	-	1,602,488	-	50,595	10,270	1,229,319	-	-
Homa Bay	41,577,579	4,633,220	-	868,780	2,327,700	129,481	10,511	974,825	-	2,728,100	11,546	15,816,924	-	-
Nyamira County	67,372,686	491,260	-	77,920	22,651	28	18,335	451,710	-	120,693	9,489	17,458,397	-	-
Siaya County	26,275,439	1,531,500	-	225,610	183,740	217,070	-	379,750	-	155,431	9,331	14,557,100	-	-
Kisumu	27,057,000	2,241,430	-	627,000	421,410	11,810,600	-	20,320,000	-	92,983	2,136	691,600	36,787	168,825
Embu	33,171,075	1,944,790	-	212,505	62,500	51,530	11,325	198,866	-	259,117	7,540	1,434,591	-	-
Makueni	16,874,607	1,355,968	-	409,183	132,715	3,100	17,600	1,044,148	1,250	121,229	18,520	369,632	-	-
Tharaka Nithi	25,825,831	960,425	-	507,881	121,041	292,180	19,893	204,743	-	80,819	-	12,406,120	-	-
Marsabit	24,075,000	280,000	-	1,900	1,700	-	-	-	10,000	-	-	-	700	4,600
Kitui	17,370,439	5,662,830	-	2,389,141	129,127	20,780	512	4,279,560	-	846,550	112,044	493,684	-	-
Machakos	28,952,415	3,689,600	-	590,430	145,060	96,420	4,940	262,400	-	185,600	419,550	12,972,730	-	-
Taita Taveta	20,946,169	871,555	-	31,800	11,600	6,000	40	69,100	900	20,799	1,879	306,306	-	-
Kilifi	41,708,727	4,618,730	-	872,390	40,060	200	-	322,250	4,000	37,976	2,714	1,024,211	-	-
Tana River	47,797,747	332,579	-	431,772	87,700	-	690	142,086	173,100	83,900	10,510	481,600	-	-
Mombasa	1,443,986	723,700	-	17,500	6,260	2	280	312,620	-	231	10	115,899	-	-
Kwale	38,906,411	4,338,620	-	283,696	56,472	72	-	362,596	-	11,213	782	2,259,676	-	-

County	Milk (kg)	Beef (kg)	Wool (kg)	chevon (kg)	Mutton (kg)	Pork (kg)	Rabbit meat (kg	Poultry meat (kg)	Camel meat (kg)	Honey (kg)	Wax (kg)	Eggs (trays)	Hides (No.)	Skins (No.)
Bungoma	53,112,085	3,234,466	-	171,668	306,522	164,149	-	2,178,792	-	135,210	124,690	2,494,272	-	-
Vihiga	24,008,722	1,157,300	-	43,810	42,720	25,599	-	1,282,479	-	42,421	381	1,331,600	-	-
Busia	23,800,000	1,246,504	-	289,287	25,720	184,175	-	380,230	-	60,932	4,612	4,388,990	-	-
Kakamega	102,594,761	4,946,252	-	171,340	238,718	77,933	9,000	1,168,783	-	117,330	2,348	10,056,507	-	-
Isiolo	38,651,160	545,300	-	212,100	183,420	240	-	21,960	2,400	16,380	60	1,010,600	-	-
Meru	100,300,000	4,000,000	41,000	1,425,000	681,000	83,500	6,200	103,700	-	191,600	-	986,667	-	-
Lamu	2,322,500	275,500	-	85,200	100,200	-	-	5,700	-	24,000	1,800	985,500	-	-
Total	**3,190,706,464**	**94,823,568**	**1,110,583**	**20,561,270**	**14,149,167**	**17,590,724**	**233,620**	**48,393,006**	**9,085,452**	**8,740,524**	**947,365**	**197,062,582**	**41,266**	**307,484**

Annex 23: Products by County 2013

County	Milk (kg)		Beef (kg)	Wool (kg)	Chevon (kg)	Mutton (kg)	Pork (kg)	Rabbit meat (kg)	Poultry meat (kg)	Camel meat (kg)	Honey (kg)	Wax (kg)	Eggs (trays)	Hides (No.)	Skins (No.)
	Cattle	Camel													
Elgeyo Marakwet	46,512,470	-	532,850	224,715	201,457	214,952	100	-	26,919	250	186,775	3,100	8,600,000	-	-
Embu	33,723,235	-	1,031,920	-	310,178	85,424	96,970	14,977	251,782	-	308,705	5,440	17,685,840	-	-
Isiolo	7,234,360	31,416,800	545,300	-	212,100	183,420	240	-	21,960	2,400	16,380	60	1,010,600	-	-
Kisii	187,810,000	-	2,062,900	-	356,600	71,500	4,654	-	1,673,400	-	924,960	341,340	1,071,971	-	-
Mombasa	1,452,697	-	144,480	-	11,844	1,614	420	-	446,020	-	297,000	28,000	2,612,245	-	-
Samburu	3,627,650	-	270,337	-	141,300	75,990	-	100	27,130	306,800	159,875	32,765	10,520	-	-
Kajiado	21,529,998	-	3,133,195	-	432,870	321,890	33,900	9,300	1,001,262	2,250	36,867	702	65,656	-	-
Tana River	56,781,140	-	549,750	-	375,384	149,518	-	700	122,986	151,500	79,250	10,230	282,680	-	-
Migori	41,924,173	-	5,648,440	-	724,840	1,380,580	76,800	385	1,521,620	-	50,568	5,938	3,261,270	-	-
Kilifi	44,565,242	-	2,307,330	-	580,684	163,336	102,400	620	228,036	200	37,141	689	1,261,524	-	-
Kisumu	29,400,000	-	2,314,730	-	546,260	445,346	58,310	2,979	1,480,700	-	85,950	2,506	795,667	-	-
Homa Bay	38,051,807	-	4,655,420	-	893,580	2,455,510	37,114	10,440	924,146	-	133,168	128	573,387	-	-
Nyamira	68,558,356	-	340,900	-	65,420	15,350	156	2,176	428,476	-	124,391	13,405	565,335	-	-
Siaya	24,246,828	-	1,919,543	-	241,530	294,767	206,454	1,959	602,191	-	110,729	6,885	19,153,338	-	-
Kwale	7,018,899	-	981,204	-	304,200	21,024	72	-	329,800	-	14,927	436	324,263	-	-
Kirinyaga	68,410,076	-	1,648,000	-	73,113	21,591	119,157	75,567	769,749	-	64,557	620	445,557	-	-
Tharaka Nithi	42,272,886	-	438,700	-	220,931	68,584	117,820	18,860	68,256	-	1,251,811	500	868,611	-	-
Meru	100,300,000	-	4,000,000	41,000	1,425,000	681,000	83,500	6,200	103,700	-	191,600	-	986,667	-	-
Busia	23,800,000	-	1,246,504	-	289,287	25,720	184,175	-	380,230	-	60,932	4,612	4,388,990	-	-
Kiambu	328,077,238	-	10,763,792	24,820	163,327	136,591	2,340,084	76,527	2,731,238	-	76,653	3,409	12,527,046	-	-
Kakamega	102,594,761	-	4,946,252	-	171,340	238,718	77,933	9,000	1,168,783	-	117,330	2,348	10,056,507	-	-
Nyandarua	233,479,344	-	1,797,750	555,849	329,700	555,800	108,208	10,000	233,542	-	118,803	-	7,718,349	-	-
Garissa	13,755,755	-	2,565,244	-	1,083,880	141,232	-	-	127,830	4,903,300	9,130	10	565,145	-	-
Murang'a	191,250,673	-	2,119,000	-	129,170	36,660	680,060	16,500	619,000	-	92,827	9,290	1,684,020	-	-
Lamu	2,322,500	-	275,500	-	85,200	100,200	-	-	5,700	-	24,000	1,800	985,500	-	-
Nairobi	39,486,340	-	2,145,410	-	1,073,693	1,172,333	575,730	-	782,600	-	57,488	5,400	1,439,332	7,360	142,901
Nyeri	55,609,499	-	1,619,460	-	239,743	426,579	165,035	38,750	291,573	-	37,485	-	9,345,349	-	-
Makueni	30,700,789	-	1,435,690	-	524,740	172,760	2,190	-	2,178,452	-	141,704	2,489	16,686,227	-	-
Trans Nzoia	90,423,400	-	1,782,000	-	100,000	400,000	1,600	1,900	36,000	-	122,230	-	464,543	-	-
Marsabit	24,075,000	-	280,000	-	1,900	1,700	-	-	-	10,000	-	-	-	700	4,600

County	Milk (kg)		Beef (kg)	Wool (kg)	Chevon (kg)	Mutton (kg)	Pork (kg)	Rabbit meat (kg)	Poultry meat (kg)	Camel meat (kg)	Honey (kg)	Wax (kg)	Eggs (trays)	Hides (No.)	Skins (No.)
	Cattle	Camel													
Bomet	43,185,616		1,292,940	-	43,250	62,075	100	1,000	280,650	-	33,440	6,462	17,328,452	-	-
Bungoma	34,880,000	-	1,600,000	-	172,840	255,000	77,000	3,400	300,000	-	130,000	11,700	566,067	-	-
T/Taveta	16,975,796	-	1,061,000	-	156,700	30,479	6,690	142	248,200	4,300	20,895	1,935	257,308	-	-
Vihiga	26,530,205	-	2,730,000	-	30,800	21,400	34,600	3,000	12,000	-	62,900	-	496,568	-	-
Laikipia	38,616,680	-	2,681,333	1,000	700,281	592,254	76,740	9,158	299,124	162,000	261,298	87,099	448,686	-	-
Turkana	552,748,368	-	313,200	-	1,073,262	456,800	3,000	-	912	240,000	100,744	-	244,080	-	-
Kericho	127,700,000	-	1,711,784	-	128,885	120,995	2,515	1,250	226,048	-	61,057	730	1,205,184	-	-
Machakos	41,052,890	-	3,164,500	-	24,696,300	5,959,240	2,643,870	4,940	3,223,865	-	162,860	13,674	1,010,217	-	-
Narok	81,164,917		6,261,360	558,020	973,810	1,453,703	40	535	885,914	-	516,785	2,900	466,984	-	-
Wajir	83,330,262	-	487,382	-	1,537,620	1,317,942	-	-	38,449	1,988,798	3,437	96	98,236	-	-
West Pokot	5,450,000	-	454,295	85,500	206,700	54,300	353	260	69,600	6,982	150,000	15,000	2,878,000	-	-
Nandi	149,673,570	-	106,118	-	20,864	25,446	-	-	39,636	-	174,850	765	6,054,273	-	-
Uasin Gishu	190,055,239	-	1,933,125	-	69,752	203,383	218,303	-	57,408	-	90,283	-	5,390,201	42,397	97,454
Kitui	17,370,439	-	5,662,830	-	2,389,141	129,127	20,780	512	4,279,560	-	846,550	112,044	493,684	-	-
Baringo	12,891,815	-	695,380	-	476,361	196,755	-	-	-	180	435,113	225	997,670	21,358	278,980
Mandera	15,769,200	-	717,600	-	1,251,770	517,645	-	-	17,440	1,076,840	5,517	81	155,000	-	-
Nakuru	290,040,806	-	2,390,060	965,352	74,070	395,888	2,800	500	130,565	-	260,941	15,150	6,686,694	41,070	122,731
Total	3,686,430,918	31,416,800	96,764,508	2,456,256	45,311,676	21,852,121	8,159,873	321,637	28,692,452	8,855,800	8,249,905	749,963	170,213,441	112,885	646,666

Annex 24: Products by County 2014

National summaries for livestock products for year 2014														
County	**Milk (Kg)**	**Beef (Kg)**	**Wool (Kg)**	**Chevon (Kg)**	**Mutton(Kg)**	**Pork(Kg)**	**Rabbit meat(Kg)**	**Poultry meat(Kg)**	**Camel meat (Kg)**	**Honey(Kg)**	**Wax (Kg)**	**Eggs(Trays)**	**Skins (No.)**	**Hides (No.)**
Trans Nzoia	106,000,000	1,780,000	-	100,000	400,000	3,500	1,900	98,000	-	90,000	-	16,686,227	-	-
West Pokot	8,596,800	5,475,000	88,200	243,000	207,900	576	912	128,232	7,728	162,750	16,275	2,878,000	66,658	17,160
Laikipia	40,920,000	3,115,333	7,000	666,000	702,000	76,740	9,158	299,124	162,000	261,298	87,099	448,686		
Kajiado	16,166,696	2,450,673	-	439,730	327,877	34,548	9,300	1,003,583	2,363	31,543	702	65,656	-	-
Kitui	17,804,699	5,804,401	-	2,448,869	132,356	21,269	768	4,450,742	-	867,714	114,845	513,432	6,870	239,661
Machakos	50,208,830	8,122,677	-	1,078,240	268,700	379,000	28,200	1,774,690	-	170,500	303,990	8,210,300	99,050	10,540
Makueni	32,735,410	2,395,712	-	316,304	28,512	3,480	3,430	315,548	1,250	167,056	16,700	424,288	14,432	44,184
Garissa	13,755,755	2,565,244	-	1,083,880	141,232	-	-	127,830	4,903,300	9,130	10	565,145	-	-
Lamu	1,850,000	31,000	-	83,500	122,100	-	210	7,700	-	26,500	2,000	21,790	-	-
Tana River	57,973,122	569,750	-	382,749	150,788	-	748	35,560	159,800	25,188	2,625	418,664		
Wajir	83,330,262	487,382	-	1,537,620	1,317,942	-	-	38,449	1,988,798	3,437	96	2,947,076		
Mombasa	1,195,059	229,400	-	2,200	2,000	3,400	360	545,255	-	470	15	2,612,245	2,294	3,800
T/Taveta	17,230,432	1,075,000	-	159,000	31,100	6,790	714	251,906	4,305	21,209	1,935	261,167	-	-
Kwale	3,142,700	2,009,100	-	230,628	60,868	2,000	310	207,471	1,500	996	304	70,204	96,138	71,246
Kilifi	44,969,242	2,196,830	-	731,020	82,136	280	120	228,036	200	36,816	717	1,174,909		
Muranga	167,609,665	2,692,260	-	168,420	33,804	34,020	-	1,617,622	-	93,709	9,323	1,952,706	-	-
Embu	34,859,039	979,500	-	263,404	76,176	146,223	2,200	209,707	-	458,342	17,773	17,685,840	-	-
Kirinyanga	77,122,270	1,070,100	-	65,210	9,540	24,820	13,020	2,684,000	-	29,100	-	676,084	-	-
Nyeri County	175,747,872	2,599,010	-	395,410	714,607	265,575		250,471	-	17,220	-	9,345,349	41,889	14,409
Uasin Gishu	196,083,090	486,975		17,096	49,849	53,506	3,238	14,071		187,757	15,864	5,390,201	89,280	38,810
Tharaka Nithi	34,246,625	819,005	-	113,755	93,117	16,510	25,790	268,994	-	1,382,029	-	589,525	29,494	14,709
Meru	120,200,000	4,000,000	19,800	1,425,000	681,000	83,500	6,200	103,700	-	191,600	-	985,000	-	-
Isiolo	3,811,400	540,000	-	214,000	233,000	-	-	20,000	-	32,000	-	900,000	2,220	36
Marsabit	4,131,020	7,036,506	-	5,752,693	4,395,645	-	-	26,497	3,415,267	34,700	60	773,886	61,216	9,247
Narok	16,854,300	2,401,990	649,020	835,785	2,289,848	40	1,635	1,395,900	-	231,651	9,100	1,074,626	58,010	5,628
Bomet	72,488,907	1,292,940	-	32,275	30,646	-	2,238	375,755	-	95,447	14,230	2,049,084	-	-
Nyamira	9,810,088	447,000	-	267,820	36,850	152,120	41,604	518,940	-	289,555	20,100	8,609,652	19,972	10,511
Kisii	182,819,846	1,674,016	-	426,434	64,636	5,191	-	1,648,569	-	66,084	21,790	1,682,380	45,972	18,114
Kisumu	24,730,000	2,768,100	-	12,603,000	13,241,000	19,579,000	189	33,354,000	-	34,673	2,809	723,932	-	-
Migori	43,574,569	6,536,100	-	815,900	1,331,500	96,300	-	1,728,080	-	67,174	11,493	2,548,005	76,716	74,720
Homa Bay	38,051,807	4,655,420	-	893,580	2,455,510	37,114	10,440	924,146	-	133,168	128	573,387	-	-
Samburu	7,124,000	270,337	-	141,300	75,990	-	-	6,330	306,800	159,875	11,600	19,090	161,600	12,790

National summaries for livestock products for year 2014														
County	**Milk (Kg)**	**Beef (Kg)**	**Wool (Kg)**	**Chevon (Kg)**	**Mutton(Kg)**	**Pork(Kg)**	**Rabbit meat(Kg)**	**Poultry meat(Kg)**	**Camel meat (Kg)**	**Honey(Kg)**	**Wax (Kg)**	**Eggs(Trays)**	**Skins (No.)**	**Hides (No.)**
Nyandarua	225,827,586	1,797,750	164,377	13,102,000	37,930,300	16,303,000	10,000	18,740,900	-	11,449,500	-	31,829,900	32,299	55,480
Kiambu	334,000,288	2,206,854	24,820	15,828,700	19,798,400	2,340,084	107,770	2,731,238	-	76,653	3,409	10,056,507	35,084	35,966
Siaya	24,308,478	2,688,107	-	639,733	312,527	132,532	60,469	1,609,446	-	436,550	8,108	630,495	-	-
Bungoma	225,855,832	3,903,144	-	32,943	59,569	31,210	-	725,696	-	184,385	7,510	4,398,544	24,357	134,163
Kakamega	101,984,643	5,892,220		115,059	259,528	494,885		362,565		112,800	3,230	1,399,270	-	63,731
Vihiga	27,060,808	35,400	-	34,178	6,840	32,220	4,220	14,873	-	66,029	1,645	620,774	5,608	30,784
Nandi	142,375,874	839,250	-	25,176	117,470	-	-	-	-	189,142	1,902	6,962,414	14,894	6,145
Baringo	24,454,886	1,823,701	480	1,073,087	250,628	4,700	-	452,613	27,300	567,529	820	997,670	-	-
Nakuru	296,398,663	3,355,168	82,822	116,422	249,212	21,170	-	-	-	313,158	18,330	5,144,499	-	-
Kericho	155,000,000	1,711,784	-	128,885	120,995	5,015	-	-	-	61,057	730	1,253,256	-	-
Elgeiyo Marakwet	46,512,470	532,850	224,715	201,457	214,952	100	-	26,919	-	186,775	3,100	8,600,000	-	-
Nairobi	38,762,174	2,421,500	-	382,060	1,286,500	1,423,900	-	909,960	-	53,921	5,842	1,626,006	139,888	7,698
Turkana	52,601,269	313,200	-	1,073,262	456,800	3,000	-	912	240,000	103,134	-	244,080	264,208	4,004
Mandera	15,769,200	717,600	-	1,251,770	517,645	-	-	17,440	1,076,840	5,517	81	155,000	-	-
Busia	13,813,000	6,635,000		252,000	220,000	987,000	3,300	791,184		350,000		4,388,990		
Total	**3,429,868,676**	**113,450,289**	**1,261,234**	**68,190,554**	**91,589,595**	**42,804,318**	**348,443**	**81,042,653**	**12,297,451**	**19,534,840**	**736,291**	**171,183,941**	**1,388,149**	**923,536**

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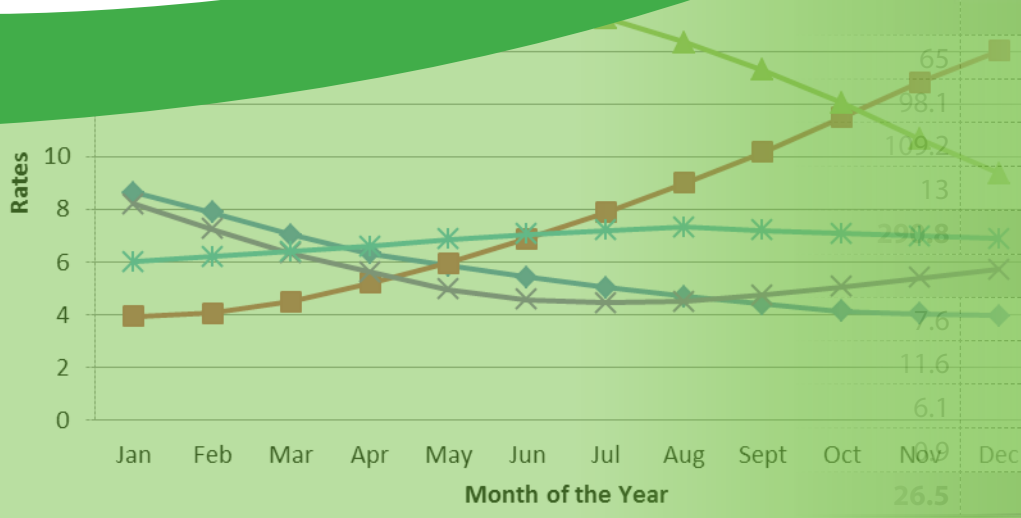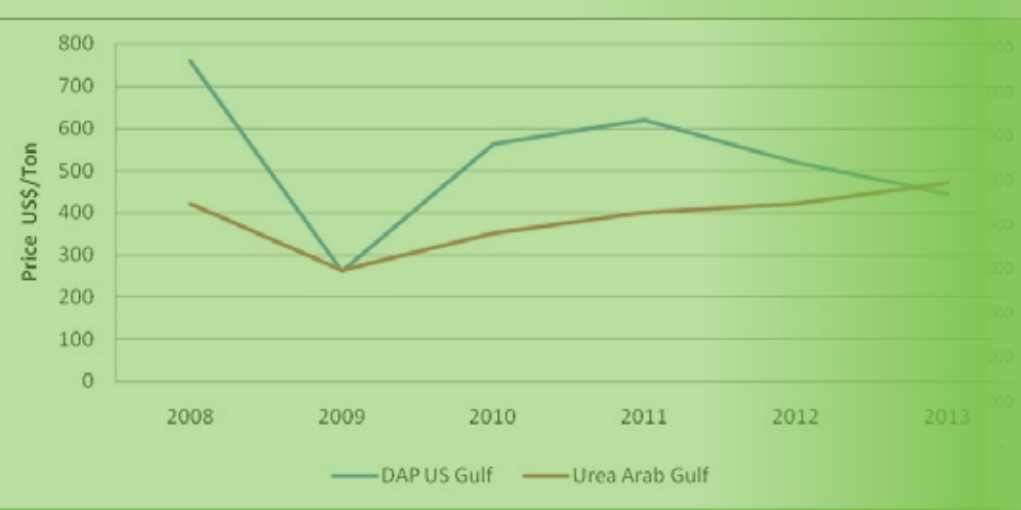
	2010	2011	2012	2013	2014*
	65	67.3	67.4	67.5	68.3
	98.1	102.6	104.9	106.8	107.6
	109.2	114.8	112.7	114.6	116.1
	13	13.4	13.4	13.7	14
	298.8	298.1	304.1	308.3	311.6
	7.6	7.9	8.1	8.4	9.3
	11.6	12.8	13.1	13.0	13.5
	6.1	7.3	7.5	7.4	7.5
	0.9	0.8	0.8	1.0	1.0
	26.5	29	29.7	30.1	31.6