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NATIONAL AGRICULTURE PRODUCTION REPORT

2023-2024

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2023-2024

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Email: info@knbs.or.ke/ ibrary@knbs.or.ke
directorgeneral@knbs.or.ke

Facebook: Kenya Stats

X: @KNBStats

Website: www.knbs.or.ke

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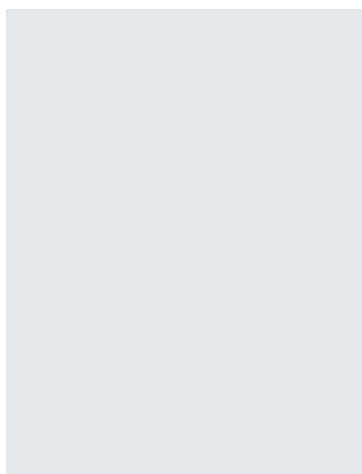
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Preface



The aim of agriculture data validation is to eliminate errors, manage outliers, address data gaps and organize the administrative data collected by county field officers as well as the agricultural state corporations.

The agriculture sector continues to play a critical role in Kenya's economy accounting for over 20 percent of Gross Domestic Product (GDP) and employs over 40 percent of the total population. Given the critical role that the sector plays in the Kenyan economy, it is increasingly important to ensure that high frequency quality data is available to support evidence-based decisions and policies, management of national food security, agricultural productivity and values, as well as establishing the challenges that may affect the agricultural sector growth. Towards this end, the Kenya National Bureau of Statistics (KNBS) in collaboration with the Ministry of Agriculture and Livestock Development (MoALD) and Kenya Fisheries Service (KeFS) has been conducting annual Agricultural Sector Data Validation in all 47 counties including the key agricultural state corporations that collect data on the mandated value chains.

The 2024 Agriculture Data Validation (ADV) report is an outcome of a participatory process by the data and statistics experts from KNBS and the agricultural sector Ministries, Departments and Agencies (MDAs). To ensure that the experts are coordinated and actively participate in the validation process, the activity is undertaken within the umbrella of Agriculture, Nutrition and Environment Statistics (ANES) committee, which is coordinated by KNBS.

The aim of agriculture data validation is to eliminate errors, manage outliers, address data gaps and organize the administrative data collected by county field officers as well as the agricultural state corporations. The process involves meeting with the county officers from the sub-county levels in all the 47 counties and going through the reports covering crops, livestock and fisheries value chains. The data items include crop area, production, livestock numbers, farm-level prices and values as well as fisheries production and values. This report entails performance of the agriculture sector for the short and long rains seasons over the last five years (2019-2023).

Finally, the production of this report would not have been successful without collaboration of various participants who contributed valuable inputs throughout the process. In this regard, I wish to extend special thanks to the heads of Ministries, Departments, Counties and Agencies (MDCAs) from which members of the ANES Committee on agriculture statistics are appointed.

Mr. Stephen Wainaina, MBS
Board Chairman

Acknowledgment



This report was prepared through the collaborative work of the Ministry of Agriculture & Livestock Development (MoALD) and the relevant agricultural State Corporations, the Kenya National Bureau of Statistics (KNBS) and the County officials. Special thanks go to all those who contributed time, resources and expertise to the successful completion of this report.

I equally extend special thanks to the dedicated technical officers from KNBS that worked tirelessly to develop this report under the leadership of Patrick Mwaniki, Senior Manager, Agriculture and Livestock Division KNBS, with his team including Paul Nderitu, John Mburu, Rogers Mumo Munywoki, Alphonse Dismas Orango, Maureen Akinyi Odhiambo, Abdi Mohamud Ali, Matere Benson Kaboro, Monicah M. Karanja and Abdihakim Mohamud Mohamed. Similar appreciation is extended to the MoALD team led by Tom Dienya, Head of the Agriculture Statistics Unit, together with Benjamin Kibor and Stephen Ndegwa.

Further, appreciation goes to all county government officers who participated in the data validation exercise. Their instrumental participation in providing crucial county-level data on food crops, horticulture crops, perennial crops, livestock, and fisheries immensely enriched the content of this report. Lastly, thanks to all individuals who directly or indirectly contributed to the success of this report. Your commitment and diligence in executing the voluminous work that was before you in time is highly appreciated.

Macdonald G. Obudho, PhD, EBS, MBS
Director General



This report was prepared through the collaborative work of the Ministry of Agriculture & Livestock Development (MoALD) and the relevant agricultural State Corporations, the Kenya National Bureau of Statistics (KNBS) and the County officials.

Abbreviations and Acronyms

AB	African Birds eye chilies
ADV	Agriculture Data Validation
AFA	Agriculture and Food Authority
ALV	African Leafy Vegetables
ANES	Agriculture, Nutrition and Environment Statistics
ASALs	Arid and Semi-Arid Lands
BETA	Bottom-Up Economic Transformation Agenda
CAADP	Comprehensive Africa Agriculture Development Program
CBD	Coffee Berry Disease
EABL	East African Breweries Limited
GBE	Green Bean Equivalent
GDP	Gross Domestic Product
Ha	Hectares
JASCCOM	Joint Agriculture Sector Consultation and Co-operation Mechanism
KALRO	Kenya Agricultural and Livestock Research Organization
KeFS	Kenya Fisheries Service
KNBS	Kenya National Bureau of Statistics
KRA	Kenya Revenue Authority
KSh	Kenya Shillings
KTBH	Kenya Top Bar Hive
MDAs	Ministries, Departments and Agencies
MDCAs	Ministries, Departments, Counties and Agencies
MoALD	Ministry of Agriculture and Livestock Development
NGOs	Non-Governmental Organizations
NIA	National Irrigation Authority
NOCD	Nuts & Oil Crops Directorate
SDGs	Sustainable Development Goals
Ton	Tonne
UAE	United Arab Emirates
USD	United State Dollars

Executive Summary

The agricultural sector remains an integral part of Kenya's economy, accounting for 21.8 per cent of the Gross Domestic Product (GDP) in 2023. Given the key role that the sector plays in the Kenyan economy, it is increasingly important to ensure that high-frequency, quality data is available to inform the food supply situation in the country volumes available to support manufacturing and for export. This data informs the degree of our foreign dependence on food stocks and raw materials to support our industries. Towards this end, the Kenya National Bureau of Statistics, in collaboration with the Ministry of Agriculture and Livestock Development and the Department of Blue Economy, annually carries out a data validation exercise on area under agricultural production, volumes and values of production by agricultural enterprises in all the 47 counties. This is done with a view of establishing how the sector performed based on weather conditions and other interventions in the reporting period.

The data validation exercise focuses on crops, livestock, horticulture, and fisheries in Kenya and provides critical insights into their impact on food security and the economy. The Gross Value Added (GVA) for the agricultural, forestry and fishing sector has continued to increase for the past five years and amounted to KSh 3,295.2 billion in 2023. Growing of crops accounted for KSh 70.7 per cent of the GVA within the sector, followed by animal production at 17.3 per cent. The area under food crops increased from 4,935.3.1 thousand hectares in 2022 to 5,371.7 thousand hectares in 2023. Production also increased from 8.5 million tonnes to 10.7 million tonnes in 2023. This was attributed to favorable weather conditions, government fertilizer subsidies, and increased investments in the sector by the private sector.

The total estimated area under coffee increased by 2.3 per cent from 109.4 thousand hectares in 2022 to 111.9 thousand hectares in 2023. However, production declined from 51.9 thousand tonnes in 2022 to 48.4 thousand tonnes in 2023. The reduced production was attributed to adverse weather which encouraged Coffee Berry Disease (CBD) infestation and unpredictable

weather conditions that interfered with the physiological response of the crop. The area under tea increased from 225.8 thousand hectares in 2022 to 227.8 thousand hectares in 2023. Similarly, total production of green leaf from all growers recorded an increase from 2,273.9 thousand tonnes in 2022 to 2,423.6 thousand tonnes in 2023.

The sugar production declined by 40.8 per cent to 473.9 thousand tonnes in 2023. This was mainly due to the closure of 10 milling factories for a period of four months (August-November) due to lack of mature sugarcane for milling. Sugar imports nearly doubled from 320.7 thousand tonnes in 2022 to 608.2 thousand tonnes in 2023. Imports were inevitable as the country had a huge deficit due to lack of milling cane which forced millers to temporarily close.

The area under pyrethrum more than doubled from 4,000 acres in 2022 to 9,362 acres in 2023 with Nakuru, West Pokot and Bomet jointly accounting for 71.1 per cent of total production in 2023. The production of dry pyrethrum flowers increased from 941.9 tonnes in 2022 to 1,680.0 tonnes in 2023. The increase in production was attributed to the expansion of acreage due to the Government's support in implementing a seedling purchase and distribution program, capacity building on agronomic practices, and improved post-harvest handling amongst other interventions by the value chain players.

During the year under review there was a general

21.8%

The agricultural sector remains an integral part of Kenya's economy, accounting for 21.8 per cent of the Gross Domestic Product (GDP).



increment in the production of most nuts and oil crops. Production of macadamia and coconut increased by 8.6 per cent and 13.9 per cent, respectively in 2023. Despite the increased production and export volumes of macadamia nuts, export earnings declined by 41.6 per cent to KSh 7.1 billion attributed to low international prices of macadamia nuts.

The total meat produced in the country in 2023 was 556.7 thousand tonnes valued at KSh. 305 billion compared to 464.5 thousand tonnes of meat valued at Ksh. 241 billion in 2022. Dairy production is the second largest livestock enterprise after meat production and registered 5.2 billion Kilogrammes of milk valued at KSh. 312.7

billion in 2023, an increase of 14.0 per cent in the quantity produced in 2022.

In 2023 the total fish production was 161.3 thousand tonnes valued at KSh 35.9 billion. However, this was a 7.1 per cent decline in production from 173.7 thousand tonnes valued at KSh 37 billion in 2022. As has been the trend in the past, most of the production was from inland capture fisheries amounting to 89.7 thousand tonnes with an ex-vessel value of KSh 16.0 billion. The fish production from marine and aquaculture was 40.0 thousand tonnes and 31.7 thousand tonnes worth KSh 9.97 billion and KSh 9.92 billion, respectively in 2023.

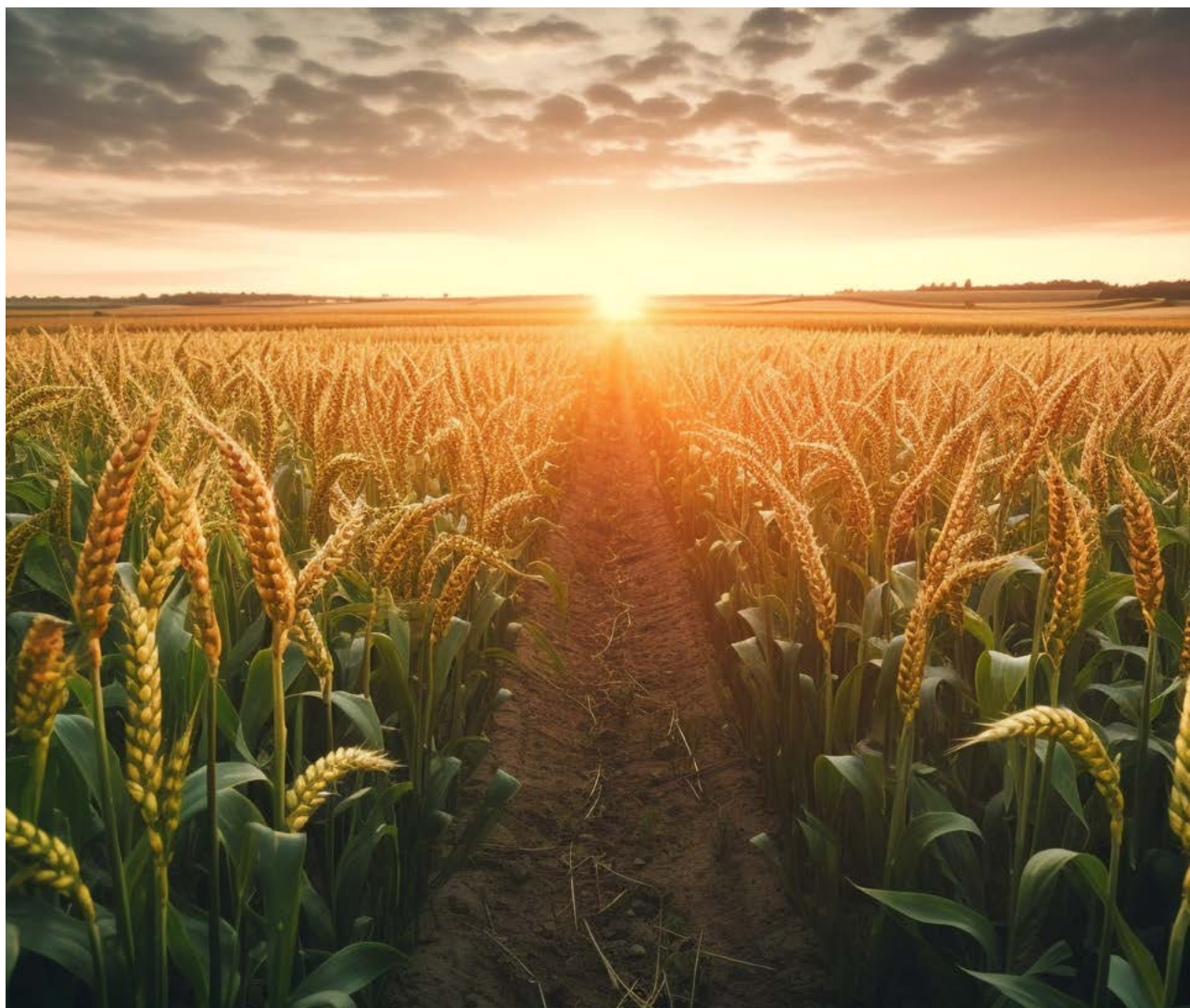
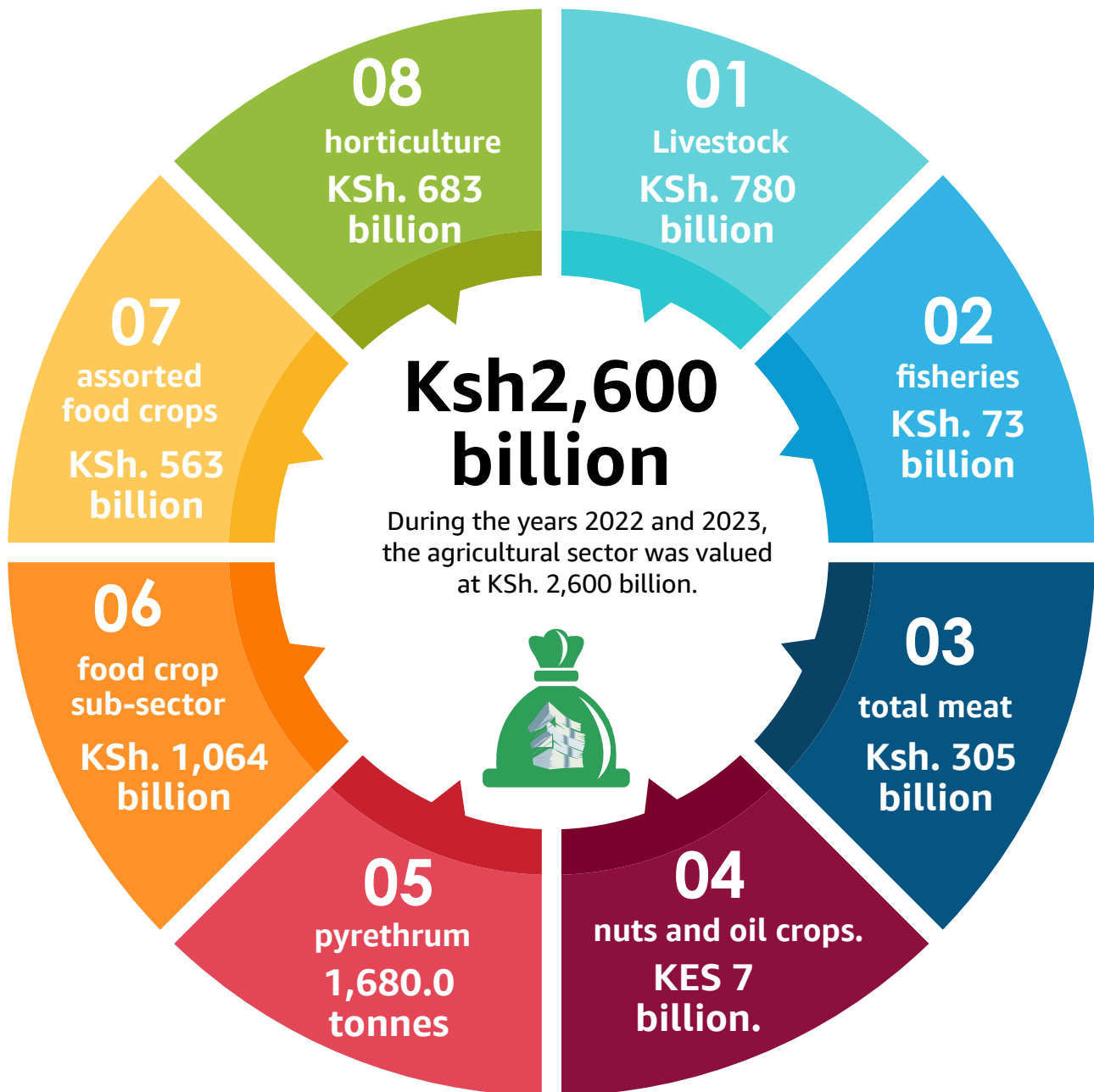


Figure 1.0 Summary of 2022 and 2023 agricultural sector.

2022 AND 2023 AGRICULTURAL SECTOR



CHAPTER

01



Introduction

The aim of this exercise is to ensure agricultural data, often administrative and not collected through standard statistical procedures, are accurate and reliable to meet the needs of policymakers, farmers, and other stakeholders.

The agricultural sector is the leading contributor to Gross Domestic Product (GDP) in Kenya and is the cornerstone of the nation's food security. Despite its importance, the development and transformation of the agricultural sector is highly affected by adequate, timely and accurate data. The agricultural sector has several indicators, including Sustainable Development Goals (SDGs) and Comprehensive Africa Agriculture Development Program (CAADP) indicators that are not fully captured and reported. Over the years, the quantity and quality of agricultural data in Kenya have been declining. To address this, the Kenya National Bureau of Statistics (KNBS) in partnership with the Ministry of Agriculture and Livestock Development (MoALD) and the Kenya Fisheries Service (KeFS) initiated annual data

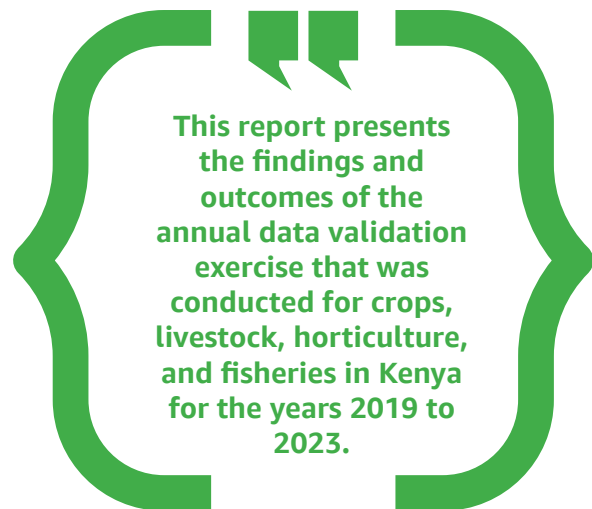
validation exercises in all the 47 counties to complement data from other sources.

The aim of this exercise is to ensure agricultural data, often administrative and not collected through standard statistical procedures, are accurate and reliable to meet the needs of policymakers, farmers, and other stakeholders. This initiative aligns with the government's Bottom-Up Economic Transformation Agenda (BETA), which prioritizes revitalizing and transforming the agriculture sector to drive economic growth, create employment opportunities, and improve livelihoods, especially in rural communities.

This data once validated forms part of official agriculture statistics and is published in the annual Economic Survey report and the Statistics Abstract. The validated data is instrumental in updating the agricultural indicators in the Economic Survey report, which is among the mandates of the Bureau. This comprehensive approach, supported by the World Bank under the East African Performance for Results initiative, aims to improve the accuracy and relevance of agricultural information for effective policy formulation and implementation.

This report covers key sectors, starting with food crops (cereals, pulses, root crops), horticulture (flowers, fruits, vegetables), industrial crops (Tea, Sisal, Sugarcane, Cotton, Coffee, Pyrethrum, Bixa), Nuts and Oil crops, livestock (cattle, goats, sheep, pigs, poultry), fisheries (marine, inland, aquaculture). The report also includes irrigation techniques and their impact on productivity.

This report presents the findings and outcomes of the annual data validation exercise that was conducted for crops, livestock, horticulture, and fisheries in Kenya for the years 2019 to 2023. The purpose of this exercise was to consolidate and validate data that is key in informing and used by many stakeholders including MoALD for developing the Economic Review of Agriculture (ERA) and providing reliable information for policy-making and development planning in the agriculture sector.



CHAPTER

02



Methodology

The aim of this exercise is to ensure agricultural data, often administrative and not collected through standard statistical procedures, are accurate and reliable to meet the needs of policymakers, farmers, and other stakeholders.

Agriculture data in Kenya is primarily collected through administrative sources and to a lesser extent through surveys and censuses. Over-dependence on administrative data is attributed to limited funding for data collection, especially among the MDAs in the agricultural sector. At the County level, the field data are mostly collected administratively by field extension officers through experts estimates, punctuated with emerging tools such as Geographical Information System (GIS), satellite and other remote sensing tools. In addition, the State Corporations that promote various value chains also collect administrative data through regulations and legal statutes.

It is noted that although useful with respect to low cost and timeliness of data demand, the administrative data have many gaps. There are many indicators that are difficult to estimate using expert knowledge. In addition, the administrative data collected by State corporations are collected mainly for organization functional uses rather than for “Statistics” purposes.

The process of annual agricultural data validation and compilation of the annual report is an attempt to gather the available data and undertake basic cleaning and re-organization of the administrative data to be more valuable statistically. The process has been facilitated by close collaboration with MDAs in the sector. The Bureau has been supporting this process of this annual data validation both financially and technically. Closely allied to this process is a technical committee referred to as the ANES committee. This committee, which is coordinated by KNBS, is mandated to meet regularly and ensure that the data collected by MDAs meet the required standards. In this regard, the ANES members are the technical officials

that are involved in the organization and implementation of the Agriculture Data Validation activities.

2.1 Scope and Coverage

In line with the County Government Act of 2012, administrative agriculture data collection at county level are part of the devolved functions carried out at the ward, sub-county, and county levels in Kenya. Each county has its own administrative structure responsible for agricultural data collection and management. During the data validation, 11 teams from the national level visited each county and interacted with the officers collecting data and compiling county reports from the sub-counties and county levels. The county teams were grouped into three sub-groups representing crops, livestock and fisheries subject matter specialists.

2.2 Data items collected

The following data items are collected by sub-sector: -

S/No	Sub-sector	Data item	Unit of Measure
1.	Crops	Area under crop	Hectares
		Quantity harvested	Kilogrammes; Tonnes
		Farm Gate Prices	Kenya Shillings
		Value of Production	Kenya Shillings
2.	Livestock	Animals slaughtered	Number
		Population of livestock	Number
		Meat Production	Kilogrammes; Tonnes
		Milk Production	Litres
		Honey	Kilogrammes; Tonnes
		Wool	Kilogrammes; Tonnes
		Skins	Number
		Hides	Number
		Value of Production	Kenya Shillings
Wax	Kilogrammes; Tonnes		
3.	Fishing and Aquaculture	Fish production	Tonnes
		Value of Production	Kenya Shillings
		Farm Gate Prices	Kenya Shillings

2.3 Data Collection Templates

Data templates were developed to capture the area under production, yield and value for crops for long and short rains seasons. Livestock templates were designed to capture the numbers of live animal populations, animal products, inputs, vaccination trends, and their corresponding values. Fisheries templates were structured to capture the area under ponds/cages, fish production and value of different types of fish based on their production systems, including marine, inland, and aquaculture.

To ensure comprehensive coverage across the entire country within the planned data collection period, various teams were constituted. These teams collected data related to food crops, perennial crops, horticulture crops, livestock, and fisheries. In addition trade data is usually collected from various sources, including the Kenya Revenue Authority (KRA) and regulatory institutions such as the Tea Board, Kenya Dairy Board and Agriculture and Food Authority (AFA).

2.4 County/Stakeholder Coordination

Collaboration among various stakeholders is essential for effective data collection. county governments work closely with local agricultural extension officers, community leaders, NGOs, and other relevant stakeholders to coordinate data collection efforts. To ensure effective coordination with the counties, the communication regarding the data collection program was sent through



This report presents the findings and outcomes of the annual data validation exercise that was conducted for crops, livestock, horticulture, and fisheries in Kenya for the years 2019 to 2023.

the Joint Agriculture Sector Consultation and Cooperation Mechanism (JASCCOM) Secretariat. Subsequently, the Secretariat informed the county governments to invite sub county officers to present their data at the county headquarters on the scheduled dates for validation. This structured approach facilitated seamless communication and collaboration between the national coordinating body and the County-level officials, enhancing the efficiency of the data collection process.

2.5 Ward and Sub-County Agricultural Extension Officers

Each ward and sub-county typically have agricultural/livestock production/veterinary/fisheries officers responsible for data collection and extension services. These officers interact directly with farmers and agricultural stakeholders within their jurisdictions while offering extension services and also gather data on various aspects of agriculture. They may use structured questionnaires, interviews, and observation methods to collect data.

2.6 National Data Validation

The appointed team from the National Government visited the counties for the national data validation process as per the program sent through the JASCCOM. The team together with the county officers were involved in the integration of various data sources which primarily focused on data collected from the counties at the sub-county level. This comprehensive approach encompassed data from crops, which include food crops, horticulture crops, industrial/perennial crops; Livestock and Fisheries. Crucial data from key state agencies under the Kenya Dairy Board, the AFA and the Tea Board provided key information, especially on industrial crops.

2.7 National Data Validation Report Writing Workshop

After collecting data from the counties, a team was formed to consolidate, clean, and report on the data. The team also used other data sources such as imports and exports of agricultural products from KRA to validate the consolidated data. The output of the workshop is the National Agriculture Production Report.

Shoot cost breakdown:



- Marketing 7.2%
- KW & Submission 4.1%
- Catering 6.4%
- Equipment 28.1%
- Travel 9.3%
- Location 71.9%
- Wardrobe 6.6%
- Post-Production 3.3%



Budget

Projected	\$1,875.00
Actual	\$2,860.00
Difference	-\$1,185.00

Category	Amount	Percentage
Shoots	\$1,825.00	54.2%
Months	\$300.00	16.4%
Location	\$400.00	21.9%
Hardware	\$200.00	10.9%
Post-Production	\$75.00	4.1%
Food	\$50.00	2.6%
Transport	\$100.00	5.5%
Equipment	\$80.00	4.4%
Catering	\$160.00	8.8%
KW & Submission	\$50.00	2.7%
Marketing	\$50.00	2.7%
Other shoot related		

Everything else: \$1,035.00

Insurance	\$0.00	0.0%
Interest Pool	\$0.00	0.0%
Maintenance Expense	\$0.00	0.0%
Office/General Administrative Expense	\$0.00	0.0%
Repairs & Maintenance	\$0.00	0.0%
Shipping Freight & Delivery	\$0.00	0.0%
Utilities	\$0.00	0.0%
Employee Benefits Programs	\$0.00	0.0%
Wages	\$0.00	0.0%
Contractors	\$200.00	19.3%
Legal & Professional Services	\$0.00	0.0%
Rent or Lease of Buildings	\$200.00	19.3%
Taxes Pool	\$0.00	0.0%
Hardware & Software	\$0.00	0.0%
Vehicle	\$200.00	19.3%
Web & Data Services		

CHAPTER

03



The favorable weather conditions led to the expansion of the area under most crops and improved crop production. This was further enhanced by the government intervention through the fertilizer subsidy program.

Food Crops

Kenya's agriculture is largely dependent on rain. As such, performance of rainfall has a major impact on crop production. Crops sub-sector recorded an improved performance in 2023. This was attributed to favorable weather conditions that prevailed for the better part of the year which consisted of heavy and well-spread short rains experienced in all parts of the country. However, some areas experienced flooding which constrained production in some counties. The favorable weather conditions led to the expansion of the area under most crops and improved crop production. This was further enhanced by the government intervention through the fertilizer subsidy program and farmers' anticipation of better prices for their produce. In contrast, the country recorded reduced production for most crops in 2022.

This was attributed to below normal rainfall received during the long rains.

Maize is the most common crop grown across the country with beans, green grams and cowpeas being the most commonly grown crops especially in the semi-arid counties. However, the heavy rains received in the short rains negatively affected root crops such as sweet potatoes which resulted in the decline of the production.



Table 3.1: Summary Food Crops Production 2019-2023

Year	2019		2020		2021		2022		2023*	
Area/ Production	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Maize	2,207,325	3,960,385	2,171,697	3,795,175	2,168,603	3,304,430	2,113,520	3,087,220	2,430,013	4,285,206
Wheat	136,525	366,191	125,737	404,696	124,880	349,102	119,554	368,697	104,440	309,492
Rice (Irrigated)	32,324	160,585	31,591	180,890	32,028	194,908	44,255	206,527	38,939	229,064
Sorghum	238,814	290,206	219,945	310,628	207,811	138,893	206,884	120,422	207,740	198,923
Finger Millet	55,062	46,729	46,573	42,533	47,534	37,538	42,651	29,969	48,182	39,405
Pearl Millet	68,538	91,872	70,285	109,430	82,634	26,163	65,785	29,490	81,742	47,357
Beans	1,188,678	743,218	1,147,705	774,363	1,131,565	668,916	1,268,568	750,152	1,219,960	860,973
Cowpea (Grains)	242,110	166,604	244,494	182,359	235,984	125,442	199,920	115,608	249,384	171,803
Green grams	305,324	185,752	280,718	207,941	269,447	121,031	253,464	110,963	308,388	182,260
Pigeon Peas (Grain)	136,550	107,645	133,329	123,074	126,646	103,879	266,104	159,927	300,807	183,651
Irish Potatoes	212,669	2,026,446	204,555	1,939,677	215,729	2,109,646	231,525	1,831,809	239,336	2,309,915
Sweet Potatoes	57,538	739,140	54,006	671,097	59,918	666,486	48,850	597,900	54,423	669,100

Source: Ministry of Agriculture and Livestock Development
* Provisional

3.1: Maize

Maize is the most widely produced staple crop in Kenya, consumed by majority of households in both urban and rural areas. The area dedicated to maize cultivation increased from 2,113.5 thousand hectares in 2022 to 2,430.0 thousand hectares in 2023 (Table 3.2). The expansion was driven by favorable prices of maize in 2023. Aggregate maize production increased by 38.8 per cent in 2023 to 4,285.2 thousand tonnes from 3,087.2 thousand

tonnes in 2022. This increase in production was attributed to several factors, which include the government's subsidy of fertilizers, favorable weather conditions such as sufficient rainfall in 2023 and the expansion of the area under the crop. The value of Maize increased from KSh 179.7 billion in 2022 to KSh 180.8 billion in 2023. Table 3.3 shows the top 20 counties in production of Maize in 2023.

Table 3.2: Production and Value of Maize, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	2,207,325	2,171,697	2,168,603	2,113,520	2,430,013
Production (Tons)	3,960,385	3,795,175	3,304,430	3,087,220	4,285,206
Production (90 kg bag)	44,004,278	42,168,611	36,715,889	34,302,444	47,613,398
Total Value KSh (Billion)	121.3	126.3	105.0	179.7	180.8

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.3: Top 20 Counties in Maize Production in 2023

Year	2019		2020		2021		2022		2023*	
	Area(Ha)	Tons	Ha	Tons	Ha	Tons	Ha	Tons	Ha	Tons
Uasin Gishu	100,081	324,366	106,999	456,574	104,645	385,400	102,820	360,454	117,923	476,538
Trans Nzoia	106,549	426,499	104,850	489,056	105,190	400,402	95,140	340,542	125,065	448,011
Narok	111,559	210,005	116,717	202,855	121,809	280,273	127,460	271,468	132,396	314,403
Bungoma	94,635	315,711	87,960	317,912	93,214	269,443	92,464	275,867	92,847	222,912
Nakuru	76,706	214,784	64,963	206,151	87,651	242,825	66,315	214,133	71,470	215,412
Machakos	125,358	92,034	133,795	40,927	144,201	59,321	134,048	22,634	138,830	175,493
Nandi	66,627	184,127	59,746	165,866	26,825	64,175	45,674	89,592	67,429	159,556
Meru	74,577	96,249	67,416	74,757	75,058	53,331	66,338	63,259	142,379	151,039
Elgeyo Marakwet	31,779	104,487	25,856	87,431	31,351	86,007	31,713	72,447	43,133	150,221
Kakamega	95,390	259,003	83,773	226,888	98,415	262,506	100,641	154,619	87,532	132,572
Kisii	66,625	144,480	67,286	132,790	65,876	96,249	43,735	79,800	66,221	119,244
Homa Bay	72,793	102,742	72,097	92,394	79,608	82,278	72,215	86,799	78,795	115,635
Siaya	64,387	75,733	63,493	72,351	83,933	53,512	73,521	76,704	77,550	115,191
Kericho	32,050	85,815	34,397	92,731	35,068	98,746	40,530	86,114	40,643	111,130
Kisumu	50,228	69,956	46,307	67,307	62,600	40,990	54,125	34,569	62,195	105,003
Migori	80,745	103,965	78,222	95,966	95,034	99,598	85,628	92,591	78,567	101,474
West Pokot	36,720	82,849	32,354	23,400	34,911	53,193	34,780	52,735	49,097	96,010
Baringo	45,171	70,810	47,437	68,374	34,709	59,169	37,894	50,902	42,501	94,877
Kilifi	72,499	45,769	71,782	44,585	53,943	26,176	72,748	47,858	95,674	81,813
Makueni	139,024	109,434	146,562	120,000	150,726	88,013	132,910	83,153	136,912	81,363

*Provisional

Source: Ministry of Agriculture and Livestock Development

Figure 3.1: Maize Production by County, 2022-2023

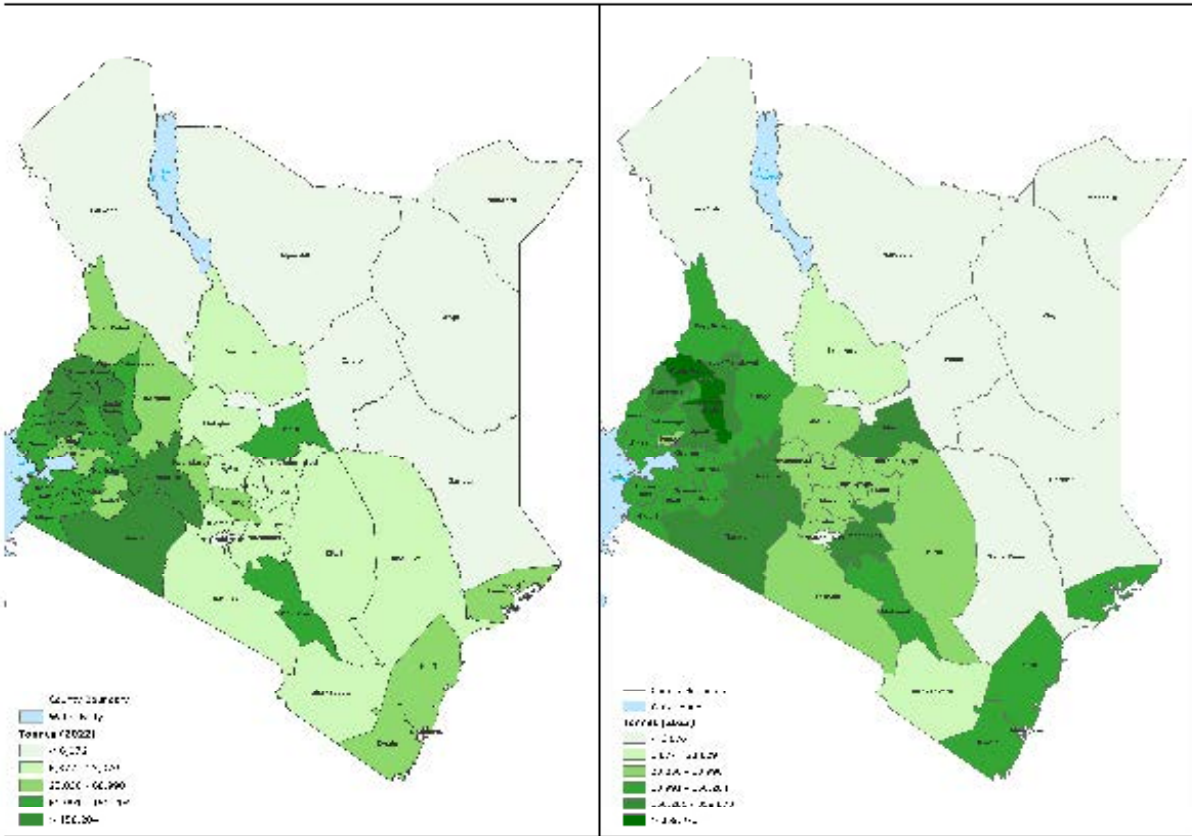
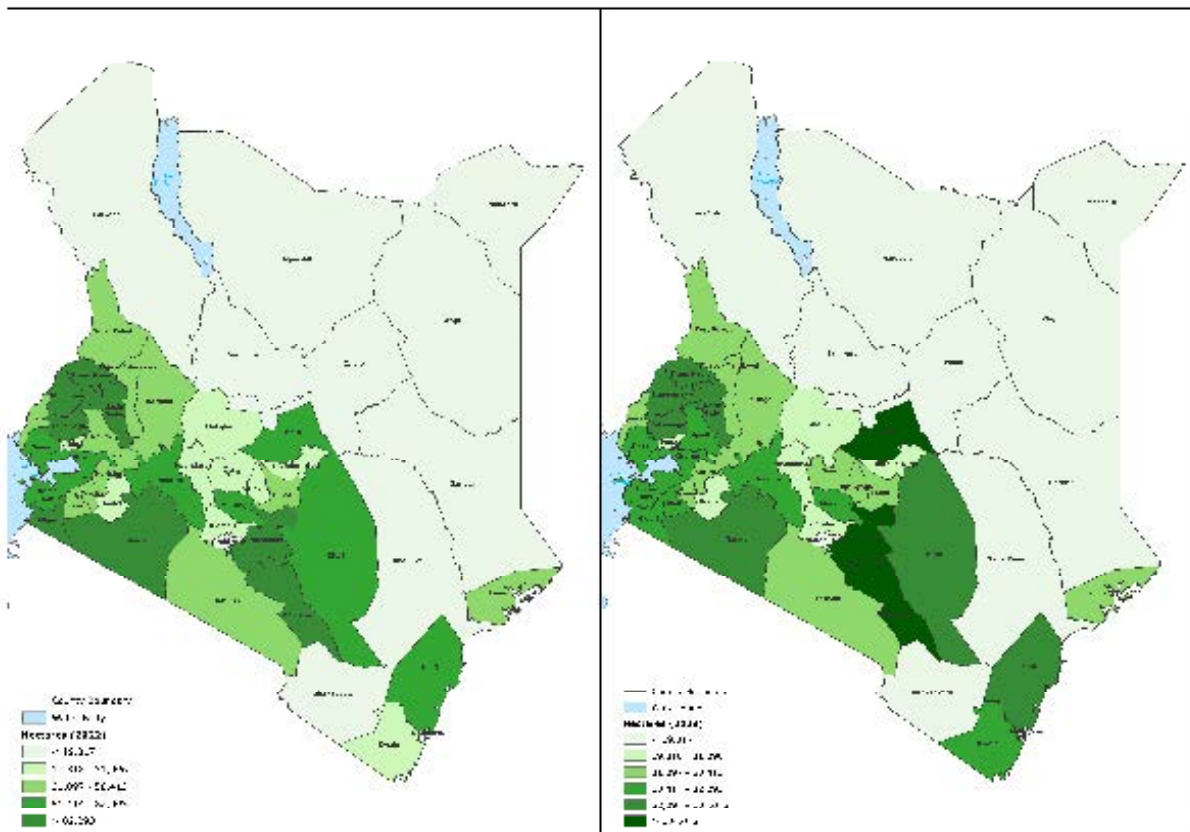


Figure 3.2: Area Under Maize by County, 2022-2023



3.2: Wheat

Wheat is Kenya's second largest consumed cereal crop after maize. However, the area under wheat production decreased from 119.6 thousand hectares in 2022 to 104.4 thousand hectares in 2023 (Table 3.4). The reduction was attributed to farmers shifting their focus from wheat to maize in 2023. The reason for the shift was favorable prices for maize in 2023, which incentivized farmers to switch to growing more maize. Wheat production

also declined from 368.7 thousand tonnes in 2022 to 309.5 thousand tonnes in 2023 which was partly due to increased Quelea Quelea bird's menace, especially in Narok. Consequently, the value of wheat decreased from KSh 14.7 billion in 2022 to KSh 12.3 billion in 2023. Table 3.5 shows the ranking of counties in wheat production in 2023.

Table 3.4: Production and Value of Wheat, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	136,525	125,737	124,880	119,554	104,440
Production(Tons)	366,191	404,696	349,102	368,697	309,492
Production(90 kg Bags)	4,068,789	4,496,622	3,878,911	4,096,633	3,438,800
Total Value KSh (Billion)	9.9	13.2	12.2	14.7	12.3

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.5: Ranking Counties in Wheat Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Narok	64,011	146,760	63,394	185,287	48,595	139,055	55,770	167,926	49,090	130,872
Nakuru	25,548	71,652	23,232	98,909	32,271	117,151	26,992	112,218	21,304	72,252
Uasin Gishu	19,140	57,420	13,791	42,369	22,202	42,336	15,992	35,944	12,316	38,798
Meru	11,630	32,485	10,685	32,875	10,990	20,275	6,785	21,712	7,225	24,363
Laikipia	8,937	37,318	5,434	23,265	4,136	14,784	7,192	18,830	5,920	24,110
Samburu	1,400	4,300	1,000	4,050	1,200	2,700	2,800	2,772	4,200	8,820
Nyandarua	1,585	4,961	2,380	8,027	2,228	7,172	1,915	6,004	2,516	7,160
Baringo	200	900	150	257	190	475	160	320	240	1,080
Nyamira	72	84	876	438	894	671	798	431	889	571
Elgeyo Marakwet	226	612	191	496	177	560	178	374	179	500
Trans Nzoia	1,265	3,142	1,520	3,456	760	1,720	126	285	187	408
Bungoma	157	290	134	416	186	465	159	318	113	260
Nyeri	2,328	6,220	2,924	4,776	1,024	1,711	662	1,543	235	251
Marsabit	26	47	26	75	27	27	25	20	26	47

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.3 Rice

Rice production in Kenya is mainly done under irrigation in paddy schemes managed by the National Irrigation Authority (NIA) and a small percentage of the crop is grown under rain fed conditions either as upland rice or lowland rice (in valley bottoms). Rice consumption in Kenya has risen due to an increase in population, especially in urban areas and changes in eating habits. This has led to an increase in imports at 75.0 per cent of the apparent consumption, with local production accounting for 25.0 per cent.



Irrigated Rice

During the period under review 38.9 hectares were put under rice production in the irrigation schemes where rice is the main crop. An estimated Gross Value of KSh 17.0 billion was injected into the economy in the year under review with a net pay to the plot holders of KSh 10.5 billion. NIA recorded a total of 31.7 thousand plot holders in all schemes with direct beneficiaries of about 190.2 thousand taking into account six (6) family members per plot holder as shown in Table 3.7.

Mwea Irrigation Scheme cropped a total of 25.7 thousand

hectares having three cropping seasons in a year as shown in Table 3.6. An average yield was 33 bags of 80Kgs of paddy per acre (2,640kgs), selling it at KSh 78.0 per kilogram. The estimated production average cost per acre was at KSh 75,000. Gross value for Mwea Irrigation scheme alone was KSh 13.1 billion with a net pay to plot holders of KSh 8.3 billion. The increase in acreage under rice and tonnage was as a result of availability of irrigation water from the Thiba dam. The market price for rice increased that year as demand/consumption went up.

Table 3.6: Area, Production and Plot Holders in Mwea Scheme, 2018/2019 - 2022/2023

Details of the production	Unit	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023*
Area cropped-Main Crop	Hectares	10,789.0	10,526.3	10,789.9	10,413.0	10,437.2
Area cropped-Ratoon	"	10,789.0	10,526.3	9,987.4	10,065.0	10,113.4
Areas cropped -Double Crop	"	4,132.4	4,858.3	4,248.6	5,092.0	5,158.3
Total acreage cropped	"	25,710.4	25,910.9	25,025.9	25,570.0	25,708.9
Plot- holders	Number	7,684.0	7,684.0	9,504.0	10,024.0	11,488.0
Yields-Main Crop	Tonnes	62,727.7	65,255.7	67,919.2	65,843.2	68,059.2
Yields-Ratoon	Tonnes	38,802.4	47,566.8	55,411.9	43,753.6	51,958.2
Yields -Double Crop	Tonnes	19,465.9	29,097.5	25,339.2	28,172.5	33,636.2
Total Production	Tonnes	120,996.0	141,920.0	148,670.3	137,769.3	153,653.6

*Provisional

Source: Ministry of Agriculture and Livestock Development



Table 3.7: Area, Production and Plot Holders in Irrigation Schemes, 2018/2019 - 2022/2023

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023*
MWEA	Area cropped -Hectare	25,710	25,911	25,026	25,570	25,709
	Plot-holders -Number	7,684	7,684	9,504	10,024	11,488
	Gross Value of output-KSh (million)	8,748	9,017	9,664	10,114	13,078
	Payment to plot-KSh(million)	5,759	5,177	6,113	6,272	8,315
ALL SCHEME AREAS-	Area cropped -Hectare	32,324	31,591	32,028	44,255	38,939
	Plot-holders -Number	15,688	17,020	23,634	30,238	31,702
	Gross Value of output-KSh(million)	10,109	10,457	11,130	13,199	16,999
	Payment to plot-KSh(million)	6,374	5,801	6,602	7,813	10,484
CROPS PRODUCED -Tonnes	Mwea	120,996	141,920	148,670	137,769	153,654
	Ahero	8,473	9,600	8,338	9,268	9,520
	Ahero Expansions	..	..	8,907	14,227	14,400
	West Kano	9,423	5,704	3,169	5,404	6,561
	Bunyala	3686	3492	5,751	8,831	9,454
	South West Kano	8184	8062	8,184	8,366	10,521
	Nokiso	3,040	3,584	2,800	4,000	4,396
	Bura	1083	1728	3,670	10,739	9,024
	Tana	900	1200	658	2,462	4,942
	Lower Kuja	4,800	5600	4,760	5,460	6,592
TOTAL PADDY	160,585	180,890	194,908	206,527	229,064	

-Data not available

*Provisional

Source: Ministry of Agriculture and Livestock Development





Rice transplanting



Rice at vegetative



Rice at Booting stage



Mechanical harvesting of rice



Rice drying



Rice drying

3.4: Sorghum

In Kenya, sorghum is typically grown in marginal and semi-arid areas characterized by low and erratic rains and high temperatures. Sorghum lags in importance to staple cereals such as maize, rice and wheat. The crop is majorly grown in the semi-arid areas of eastern, western and coastal regions. The crop is mainly grown by small-scale farmers under subsistence production system. Other than the traditional areas of sorghum growing areas of parts of Eastern, Nyanza and parts of the North Rift, the area and production is sometimes influenced by farmers being contracted by East African Breweries Limited (EABL)

to grow the crop for brewing as an alternative to the use of barley.

Sorghum production increased by 65.2 per cent from 120.4 thousand tonnes in 2022 to 198.9 thousand tonnes in 2023 (Table 3.8). Equally, the area under production increased marginally by 0.4 per cent to 207.7 thousand hectares in 2023 compared to 206.9 thousand hectares in 2022. The value of locally produced sorghum in 2022 was KSh 6.0 billion compared to KSh 9.6 billion in 2023. Table 3.9 shows the ranking of the top 20 counties in sorghum production in 2023.

Table 3.8: Production and Value of Sorghum, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	238,814	219,945	207,811	206,884	207,740
Production (Tonness)	290,206	310,628	138,893	120,422	198,923
Production (90 kg Bags)	3,224,511	3,451,422	1,543,256	1,338,022	2,210,256
Total Value KSh (Billion)	10.8	10.1	4.4	6.0	9.6

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.9. Ranking Top 20 Counties in Sorghum Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Kitui	70,384	125,000	67,872	162,004	70,509	20,494	66,391	19,479	68,755	37,325
Meru	12,918	9,970	10,519	11,903	9,368	7,752	9,603	7,978	10,897	34,340
Homa Bay	26,503	27,243	25,377	26,489	20,466	22,691	32,585	20,965	24,740	28,042
Kisumu	22,540	21,800	20,740	22,974	20,800	19,742	16,460	11,851	21,500	26,946
Siaya	15,634	16,288	16,019	14,925	15,999	15,555	14,643	15,183	15,046	14,876
Tharaka Nithi	19,460	12,241	18,097	11,972	19,127	12,337	18,827	11,337	18,843	11,066
Busia	10,318	14,996	9,574	11,060	8,865	5,984	5,044	5,079	5,392	7,710
Embu	7,043	8,375	6,425	3,358	5,138	1,389	3,741	1,629	3,857	6,491
Turkana	5,682	3,500	5,520	6,736	2,580	3,812	5,108	922	4,843	3,951
Migori	11,355	9,080	7,034	4,936	4,381	3,538	4,514	3,374	5,034	3,922
Lamu	572	777	800	1,663	30	34	950	960	2,004	2,839
Makueni	10,776	11,380	8,495	8,153	8,256	5,175	7,582	4,725	7,113	2,532
Narok	898	1,431	843	1,143	1,525	879	1,044	1,160	1,486	2,391
Machakos	10,952	8,584	9,682	4,548	8,095	5,053	9,238	6,008	5,456	2,010
Elgeyo Marakwet	945	932	325	393	740	915	735	936	1,072	1,996
Baringo	1,028	1,209	1,467	2,261	1,448	562	1,590	557	1,666	1,822
Taita Taveta	2,435	3,972	2,071	3,327	1,446	987	1,368	849	1,991	1,193
Bomet	1,535	2,959	2,165	4,920	2,046	4,245	1,777	2,138	734	1,148
Kericho	675	1,215	735	1,440	764	1,375	954	1,288	985	1,064
Mandera	937	499	1,255	738	1,204	786	869	616	1,345	1,035

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.5: Millet

The main types of millet produced in this country are pearl millet and finger millet. Pearl millet is mainly grown in Kitui, Tharaka Nithi and Meru counties, while some are grown in Mbeere in Embu County, parts of Machakos and Makueni counties. Finger millet is a staple food crop grown by subsistence farmers mainly in Baringo, Kisii, Nyamira, Bomet and Busia counties. Millet's production increased to 86.8 thousand tonnes in 2023 compared to

59.5 thousand tonnes produced in 2022. Similarly, the area under production increased from 108.4 thousand hectares in 2022 to 129.9 thousand hectares in 2023 (Table 3.10). The value of locally produced millet in 2022 was KSh 4.7 billion compared to KSh 5.7 billion in 2023.

Table 3.11 shows the ranking of counties in millet production in 2023.

Table 3.10: Production and Value of Millet, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	123,600	116,858	130,168	108,436	129,924
Production (Tons)	138,601	151,963	63,701	59,459	86,762
Production (90 kg Bags)	1,540,011	1,688,478	707,789	660,656	964,022
Total Value KSh (Billion)	8.2	8.9	4.2	4.7	5.7

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.11: Ranking Top 20 Counties in Millet Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Kitui	36,277	65,900	41,801	92,157	53,543	13,275	46,332	23,512	49,670	22,292
Meru	10,868	16,302	9,913	9,831	9,770	7,495	8,971	3,582	13,897	10,613
Embu	6440.5	3706	5736	2546.8	5900	480.8	5847	1752.4	6627	9556.5
Tharaka Nithi	20,386	14,115	18,291	12,381	19,026	7,889	9,720	2,377	17,290	7,783
Nyamira	9,437	6,935	8,618	7,260	9,112	6,023	9,341	6,058	9,534	6,613
Baringo	6,607	4,330	6,279	5,347	5,789	4,218	6,032	5,214	6,480	5,995
Kisii	10,520	8,686	8,547	7,053	8,241	6,902	4,067	2,404	7,576	5,835
Bomet	6,752	3,097	4,802	3,435	4,170	3,321	5,241	3,277	5,822	3,314
Elgeyo Marakwet	3,334	3,277	1,602	1,912	2,471	2,095	2,465	1,860	2,506	2,996
Busia	2,881	2,593	3,144	2,365	3,356	3,828	3,328	2,618	3,334	2,701
Bungoma	910	967	943	1,060	962	1,047	940	1,034	975	1,414
Trans Nzoia	744	1,125	484	822	533	836	586	659	676	1,193
Migori	1,264	1,148	637	410	937	1,114	840	949	932	1,186
Narok	1,134	1,178	514	622	1,197	1,348	992	1,210	1,014	1,135
Nakuru	671	1,051	461	587	432	568	521	521	590	809
Kericho	409	368	449	485	539	510	745	671	493	799
West Pokot	770	793	110	35	430	380	273	208	451	550
Lamu	535	478	725	775	578	575	595	530	563	535
Uasin Gishu	328	488	380	695	271	483	279	298	240	420
Nandi	203	233	144	210	102	127	132	146	157	251

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.6: Barley

Barley is generally grown for malting in beer companies under contractual arrangements. The crop is grown in Narok, Nakuru, Laikipia, Meru and Samburu counties. Barley production increased from 20.1 thousand tonnes in 2022 to 32.9 thousand tonnes in 2023 with an increase area under production from 7.5 thousand hectares in 2022

to 13.3 thousand hectares in 2023 as more farmers were being contracted to grow the crop (Table 3.12). The value of locally produced barley in 2022 was KSh 855.1 million compared to KSh 1.3 billion in 2023. Table 3.13 shows the ranking of counties in barley production in 2023.

Table 3.12: Barley Production and Value, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	13,372	11,013	13,294	7,512	13,292
Production (Tonnes)	42,694	34,828	33,038	20,079	32,876
Production (90 Kg Bags)	474,378	386,978	367,089	223,100	365,289
Total Value KSh (Billion)	1.9	1.2	1.2	0.9	1.3

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.13: Ranking Counties in Barley Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Narok	4,341	14,845	2,482	8,018	4,670	14,827	2,685	7,797	9,350	19075
Nakuru	4,171	14,288	3,921	12,345	4,174	10,296	4,137	10,075	3,245	11322
Meru	4,200	11,664	4,450	14,465	4,450	7,915	670	2,144	620	2232
Nyandarua	..	..	..	..	..	..	..	..	59	215
Laikipia	..	..	..	..	..	..	20	63	18	32
Uasin Gishu	660	1897	160	..	..	..	..	..	..	..

-Data not available.

*Provisional

Source: Ministry of Agriculture and Livestock Development



3.7: Beans

Beans are the most common legume grown in the country and are a major source of plant protein for rural households. Production of beans in the country has been adversely affected by both drought and excessive rainfall over the last five years thus reducing the domestic stocks. The gap is filled by imports from neighboring countries of Tanzania and Uganda. Due to the cumulative effect of reduced production, 2023 witnessed an increase in prices

compared to long-term averages. The area under beans decreased by 3.8 percent to 1,220.0 thousand hectares in 2023 from 1,268.6 thousand hectares in 2022 while production increased to 861.0 thousand tonnes in 2023 from 750.2 thousand tonnes in 2022 (Table 3.14). The value of locally produced beans increased from KSh 75.8 billion in 2022 to KSh 88.1 billion in 2023.

3.14: Beans Production and Value, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	1,188,678	1,147,705	1,131,565	1,268,568	1,219,960
Production (Tons)	743,218	774,363	668,916	750,152	860,973
Production (90 kg Bag)	8,257,978	8,604,033	7,432,400	8,335,022	9,566,367
Total Value KSh (Billion)	51.6	51.8	28.2	75.8	88.1

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.15: Ranking of Top 20 Counties in Beans Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Nakuru	45,977	36,575	39,555	38,884	61,027	42,148	76,260	94,741	50,835	99,926
Meru	98,235	36,025	80,783	43,593	81,119	51,031	76,210	46,847	131,624	54,244
Machakos	64,880	30,123	73,015	32,341	78,628	28,788	89,222	15,346	89,098	53,826
Trans Nzoia	62,428	25,202	54,893	25,061	52,418	18,868	57,650	51,734	61,462	47,842
Bungoma	78,930	56,775	78,644	51,186	87,218	59,962	87,724	49,948	63,445	45,073
Narok	48,121	34,728	44,951	28,789	49,599	44,813	52,813	39,352	48,245	44,773
Kakamega	60,653	34,869	51,851	27,031	65,341	31,320	72,882	31,120	49,279	43,540
Kajiado	49,621	31,812	49,821	43,846	2,370	1,576	49,930	24,286	47,957	42,525
Elgeyo Marakwet	20,260	7,847	19,858	8,856	19,872	7,634	19,540	6,356	25,610	28,578
Kericho	17,528	14,935	18,492	11,812	18,222	20,482	22,151	21,815	23,261	25,336
Kisii	49,799	24,149	48,645	28,090	47,594	31,199	34,104	21,780	48,336	24,392
Uasin Gishu	14,668	8,127	18,389	15,023	19,389	14,085	17,045	12,600	22,430	23,560
Makueni	38,880	27,575	38,631	31,218	40,186	24,446	49,800	9,960	52,656	23,552
Kirinyaga	20,470	7,190	19,216	8,994	19,943	6,850	24,431	6,790	21,816	23,335
Migori	33,575	24,198	37,995	27,609	39,279	28,594	33,548	32,630	36,199	23,267
Kisumu	26,243	19,753	22,551	14,748	25,130	10,167	26,980	10,873	30,755	23,247
Baringo	21,020	19,977	20,914	24,647	19,669	16,240	23,804	21,616	23,677	22,501
Nandi	32,088	23,179	25,116	18,295	19,998	16,278	32,840	27,519	30,277	21,830
Homa Bay	48,558	29,696	49,900	32,850	43,074	30,340	38,739	25,436	28,052	20,308
West Pokot	15,696	10,992	17,261	7,644	15,900	5,317	14,843	4,295	25,166	19,962

*Provisional

Source: Ministry of Agriculture and Livestock Development

Figure 3.3: Beans Production by County, 2022-2023

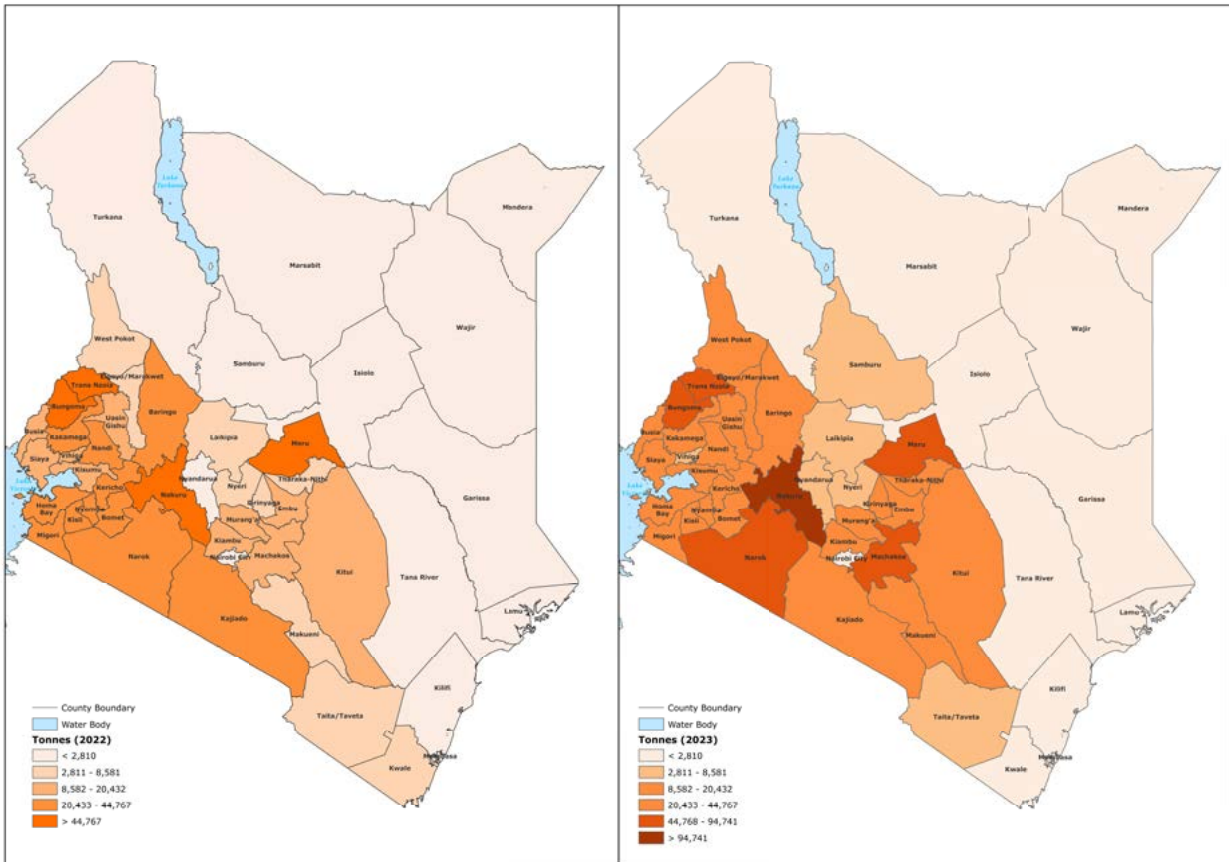
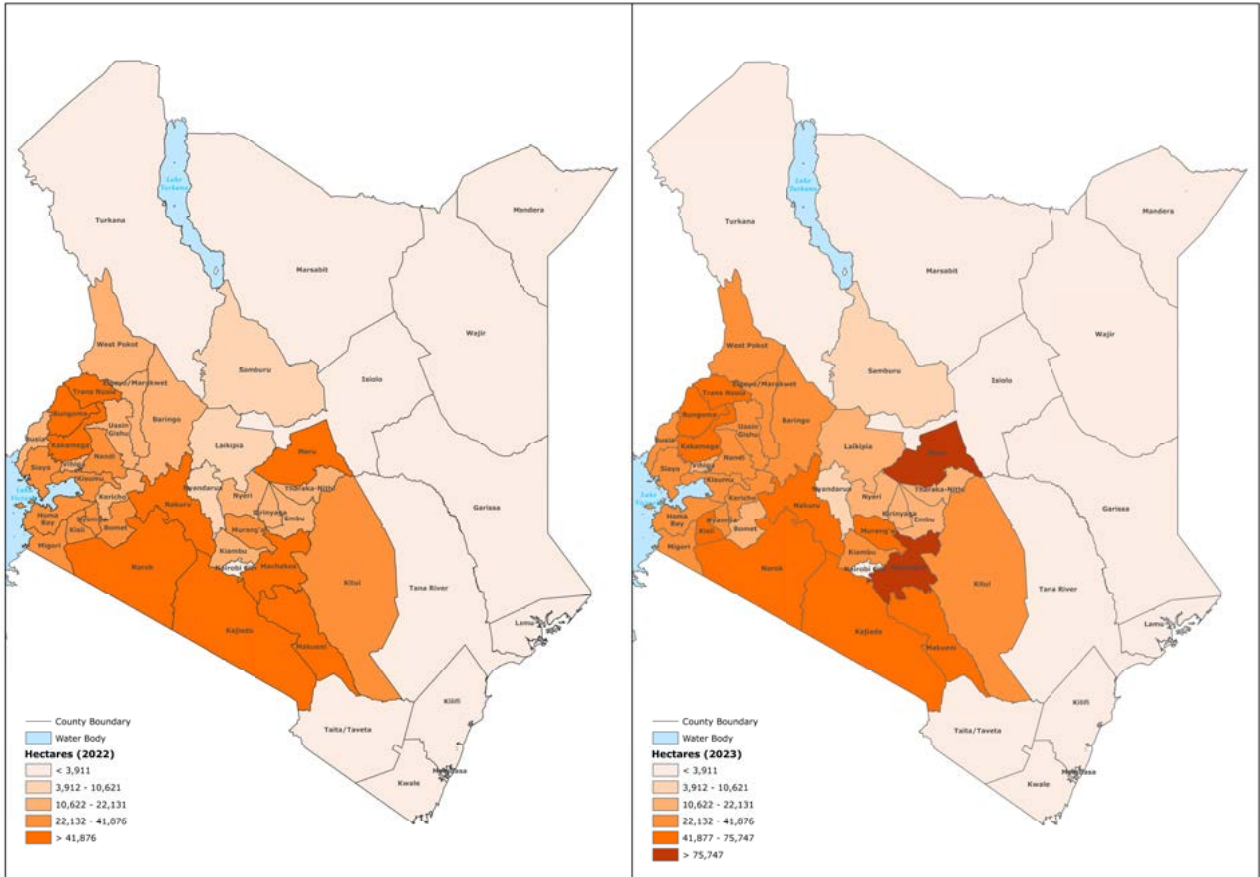


Figure 3.4: Area Under Beans by County, 2022-2023



3.8:Cowpeas

Cowpeas are widely grown for both grain and use of the leaves as a vegetable depending on the region. In the upper and south eastern lowlands, the legume is grown for both grain and leaves while in other parts of the country, the crop is mainly grown for use as a vegetable. The area under the crop increased from 199.9 thousand hectares

in 2022 to 249.4 thousand hectares in 2023. This led to increased cowpea grain production from 115.6 thousand tonnes in 2022 to 171.8 thousand tonnes in 2023 due to enhanced rains (Table 3.16). The value of cowpeas increased from 4.6 billion in 2022 to 9.3 billion in 2023.

Table 3.16: Cowpeas Production and Value, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	242,110	244,494	235,984	199,920	249,384
Production (Tons)	166,604	182,359	125,442	115,608	171,803
Production(90 kg bag)	1,851,156	2,026,211	1,393,800	1,284,533	1,908,922
Total Value KSh (Billion)	13.4	15.4	4.0	4.6	9.3

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.17:Area and Production of Cowpeas by County, 2019-2022

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Makueni	58,448	44,031	68,115	56,426	63,808	64,510	41,959	25,175	68,023	52,059
Kitui	86,314	70,295	83,661	70,111	80,938	17,868	79,018	53,972	79,095	50,587
Machakos	30,127	13,342	22,726	13,432	26,359	10,611	19,142	6,229	27,263	15,766
Tharaka Nithi	15,733	7,580	14,034	5,530	14,840	5,313	7,805	2,445	12,945	13,972
Embu	8,404	4,967	6,930	5,407	7,686	2,433	9,455	3,722	9,302	9,142
Kilifi	7,770	2,651	10,403	2,966	7,117	1,674	8,040	1,714	10,007	5,725
Lamu	6,200	4,575	6,950	9,630	5,100	2,260	9,370	5,720	9,350	5,708
Meru	7,132	4,398	8,023	2,853	5,279	4,601	5,307	3,154	8,993	3,893
Kwale	3,534	1,080	5,034	1,736	8,411	4,206	4,560	2,450	5,687	3,396
Tana River	947	808	1,602	1,544	811	920	2,058	2,516	2,080	2,809
Homa Bay	805	804	2,106	1,458	631	396	661	664	1,438	1,378
Kakamega	3,725	4,081	1,586	2,471	4,543	3,853	1,340	481	1,762	1,291
Kisumu	5,026	3,497	4,916	2,807	3,505	2,245	3,828	2,235	6,140	1,257
Taita Taveta	1,662	765	2,005	1,253	1,628	979	1,851	940	2,009	925
Baringo	632	398	761	900	701	580	946	993	919	860
Mandera	1,161	258	1,267	385	1,253	493	1,263	499	1,134	607
Busia	679	820	889	807	639	751	649	541	558	411
Murang'a	647	242	653	295	646	330	662	291	663	280
Siaya	617	326	589	420	260	160	240	115	164	231
Turkana	22	17	6	6	69	57	260	235	318	215

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.9: Green grams

Green grams production continued to gain popularity among small-scale farmers mainly in Kitui, Makueni, Tharaka Nithi, Meru and Machakos counties as a cash crop and drought-tolerant crop. The crop is mainly grown under rain fed conditions with minimal inputs. The successes realized from this crop in these counties have stimulated interest in other counties due to its demand and good prices. The grain is grown for sale but some is retained in the households for domestic consumption.

The area under production increased from 253.5 thousand hectares in 2022 to 308.4 thousand hectares in 2023 and

production also increased from 111.0 thousand tonnes in 2022 to 182.3 thousand tonnes in 2023 due to the favorable weather conditions (Table 3.18). The increase in area was a result of enhanced rainfall performance of the short rains compared to 2022 which encouraged farmers to put more acreage under the crop. Farmers were also supported with seed that contributed to increased acreage. The value of locally produced green grams in 2023 was KSh 13.2 billion compared to KSh 8.1 billion in 2022. The increase in value is attributed to an increase in the volume in 2023.

Table 3. 18: Production and Value of Green Grams, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	305,324	280,718	269,447	253,464	308,388
Production (Tons)	185,752	207,941	121,031	110,963	182,260
Production(90 kg bag)	2,063,911	2,310,456	1,344,789	1,232,922	2,025,111
Total Value KSh. (Billion)	18.9	16.5	9.6	8.1	13.2

**Provisional*

Source: Ministry of Agriculture and Livestock Development

Table 3. 19 Ranking of Top 20 Counties in Green Grams Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Kitui	122,902	86,323	93,851	87,448	94,415	31,691	94,836	43,625	113,479	79,435
Makueni	76,436	50,009	80,286	58,625	69,955	42,610	75,559	26,446	76,212	39,903
Tharaka Nithi	30,385	8,375	29,677	14,296	31,009	12,172	13,630	3,271	28,340	11,336
Machakos	20,597	8,771	19,612	10,522	20,245	9,352	16,571	8,664	24,280	11,265
Lamu	9,760	9,760	9,383	7,882	6,450	2,395	8,796	7,477	10,555	10,027
Meru	5,907	2,191	7,570	6,054	8,017	4,454	5,138	4,233	13,561	7,323
Embu	12,008	5,622	12,248	7,552	11,537	4,634	11,667	4,710	12,042	6,025
Kwale	6,525	1,737	6,777	2,396	6,028	3,052	6,472	3,132	6,539	3,335
Kisumu	4,632	2,274	3,890	2,497	3,990	1,697	4,155	2,129	4,220	2,827
Kilifi	5,857	2,890	7,819	2,581	9,307	1,910	8,046	2,111	9,260	2,778
Taita Taveta	3,037	2,803	3,527	3,462	2,942	3,043	2,954	1,329	3,305	2,280
Tana River	1,453	1,368	1,220	1,391	1,260	1,260	1,268	1,522	1,300	1,690
Baringo	684	494	1,055	980	659	732	739	530	751	901
Homa Bay	667	426	738	518	603	675	612	574	936	885
Elgeyo Marakwet	743	287	743	320	644	254	581	196	703	413
Siaya	673	429	669	360	773	255	665	194	695	334
Migori	1,220	893	294	199	259	130	168	130	221	213
Turkana	148	151	4	4	0	0	190	47	292	204
Kirinyaga	281	110	202	53	162	29	121	10	210	162
Bungoma	222	243	349	339	250	258	165	84	237	135

**Provisional*

Source: Ministry of Agriculture and Livestock Development

3.10: Pigeon Peas

The crop is cultivated in various regions across the country, with notable production in semi-arid areas like Eastern, and Coast regions. Pigeon peas farming in Kenya has evolved from a traditional crop grown for subsistence into a commercially viable and economically significant agricultural activity. Export opportunities and demand from international markets, including India and the Middle East, as well as its demand in its green form, have since prompted farmers to expand their pigeon pea cultivation to meet the growing market needs. The counties in the eastern region have continued to dominate its production. A few farmers also grow the short-maturing varieties

otherwise known as mbaazi under irrigation for the fresh market as it fetches better prices than the dry grain.

The area under pigeon peas grain production increased from 266.1 thousand hectares in 2022 to 300.8 thousand hectares in 2023 (Table 3.20). Similarly, production increased from 159.9 thousand tonnes in 2022 to 183.7 thousand tonnes in 2023 as a result of the plants being more vegetative due to enhanced rains. The value of locally produced pigeon peas grain in 2022 was KSh 12.5 billion compared to KSh 11.7 billion in 2023 due to poor prices of the grain. Table 3.21 shows the ranking of counties in pigeon peas grain production in 2023.

Table 3.20: Production and Value of Pigeon Peas Grain, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	136,550	133,329	126,646	266,104	300,807
Production (Tons)	107,645	123,074	103,879	159,927	183,651
Production (90 kg bag)	1,196,056	1,367,489	1,154,211	1,776,967	2,040,567
Total Value KSh (Billion)	6.8	7.1	6.0	12.5	11.7

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.21: Ranking of Counties in Pigeon Peas Grain Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Makueni	58,511	48,770	70,394	65,056	65,279	62,800	119,976	77,679	133,334	91,932
Meru	16,024	17,450	5,574	5,352	5,584	5,152	26,364	25,890	39,702	30,929
Machakos	23,008	10,675	18,441	12,037	18,120	12,659	56,914	27,051	59,450	24,514
Kitui	23,004	23,123	26,082	32,807	25,355	17,215	41,406	20,392	42,870	21,680
Tharaka Nithi	12,642	6,664	10,872	6,507	10,377	5,016	16,480	5,990	20,892	12,596
Taita Taveta	172	65	144	78	263	24	768	158	992	670
Lamu	0	0	0	0	0	0	530	318	500	300
Embu	2,409	334	1,013	724	1,035	497	2,280	1,341	1,720	282
Murang'a	191	152	198	125	198	158	558	413	379	227
Migori	244	190	168	50	161	71	190	300	155	124
Kiambu	69	64	72	90	72	88	138	126	158	87
Laikipia	30	18	0	35	0	28	0	32	172	70
Nakuru	46	45	51	62	34	25	71	60	68	63
Kajiado	42	38	82	30	40	96	202	84	100	62
Kirinyaga	88	28	127	71	36	17	107	43	117	47
Kilifi	50	8	92	28	75	22	86	24	165	35
Baringo	6	12	6	3	6	4	7	5	14	15
Nairobi	8	4	5	10	5	6	14	12	10	10
Kwale	6	5	8	9	6	1	13	9	9	8

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.11: Irish Potatoes

Potato is one of the key staple crops in Kenya which is grown in a wide range of conditions. In the period under review, production of Irish potatoes increased to 2,309.9 thousand tonnes from 1,831.8 thousand tonnes in 2022 (Table 3.22). Similarly, the area increased from 231.5 thousand hectares in 2022 to 239.3 thousand hectares in 2023. The increase in production was attributed to

enhanced rainfall received in 2023 as well as promotion of the potato value chain through programs, easy access to certified seeds, higher-yielding varieties, opening of new land and favorable prices. The total value of Irish potatoes equally increased from KSh 65.4 billion in 2022 to KSh 65.9 billion in 2023. Table 3.23 shows the ranking of the top 20 counties in Potatoes Production in 2023.

Table 3.22: Production and Value of Irish Potatoes, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (Ha)	212,669	204,555	215,729	231,525	239,336
Production (Tons)	2,026,446	1,939,677	2,109,646	1,831,809	2,309,915
Total Value KSh (Billion)	62.9	46.1	48.0	65.4	65.9

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.23: Ranking of top 20 Counties in Irish Potatoes Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Nakuru	39,195	431,145	29,868	372,103	40,285	422,207	46,731	523,324	49,981	657,091
Nyandarua	38,130	423,490	38,805	428,269	37,590	384,323	19,590	101,099	43,587	437,748
Elgeyo Marakwet	32,242	399,276	32,005	374,379	31,370	425,964	28,670	276,700	25,143	259,252
Meru	17,441	130,185	21,017	141,926	17,392	224,747	20,520	185,731	24,604	236,407
Narok	12,077	138,388	15,236	150,536	14,560	135,176	12,742	87,981	14,975	140,615
Kiambu	19,740	90,000	16,403	112,743	18,955	123,904	19,156	97,539	19,206	102,645
Nyeri	16,118	123,280	16,358	95,994	16,469	94,420	14,711	97,669	16,447	97,975
West Pokot	1,800	26,563	1,750	17,500	2,517	24,365	1,858	16,135	8,009	96,109
Uasin Gishu	4,053	40,000	7,189	54,367	7,237	56,659	6,856	50,853	7,699	55,590
Laikipia	9,373	50,283	5,136	36,876	8,480	40,270	19,258	53,762	6,099	47,857
Bomet	4,193	41,468	3,505	35,504	3,526	36,320	6,680	78,135	3,935	37,383
Baringo	3,733	39,084	3,597	39,207	3,363	45,215	3,504	29,998	3,565	37,205
Bungoma	3,164	31,643	1,946	19,734	1,883	24,936	9,436	100,694	2,153	27,217
Murang'a	6,642	22,753	6,548	22,484	6,314	32,708	14,949	66,314	7,470	26,037
Trans Nzoia	1,653	15,000	1,675	9,750	1,758	9,940	2,765	33,180	1,635	13,181
Kajiado	1,028	4,335	1,378	6,845	1,073	4,431	1,459	14,119	1,699	10,874
Kericho	559	5,031	595	4,601	618	6,798	546	6,006	704	8,518
Nandi	480	6,010	518	6,509	483	6,085	629	7,548	644	6,611
Kirinyaga	504	3,442	505	5,845	579	5,565	219	460	352	3,001
Taita Taveta	33	561	36	578	738	1,360	739	619	553	2,467

*Provisional

Source: Ministry of Agriculture and Livestock Development

3.12 Sweet Potatoes

Sweet Potato is a highly productive food crop that can be grown on marginal land with minimal inputs, giving it the potential to play a greater role in Kenyan food security. The area under the crop increased from 48.9 thousand hectares in 2022 to 54.4 thousand hectares (Table 3.24). Production increased from 597.9 thousand tonnes in 2022

to 641.9 thousand tonnes in 2023. The total value of locally produced sweet potatoes decreased from KSh 23.7 billion in 2022 to KSh 20.8 billion in 2023.

Table 3.25 shows the ranking of top 20 counties in sweet potatoes production in 2023.

Table 3.24: Production and Value of Sweet Potatoes, 2019-2023

Year	2019	2020	2021	2022	2023*
Area (ha)	57,538	54,006	56,918	48,850	54,423
Production (Tons)	739,140	671,097	666,486	597,900	669,100
Total Value Ksh. (Billion)	32.0	24.5	12.0	23.7	20.8

*Provisional

Source: Ministry of Agriculture and Livestock Development

Table 3.25: Ranking of top 20 Counties in Sweet Potatoes Production in 2023

County	2019		2020		2021		2022		2023*	
	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)	Area (Ha)	Production (Tons)
Homa Bay	15,151	198,363	14,384	198,744	14,009	185,282	12,807	169,767	13,483	164,545
Migori	8,952	119,105	3,698	62,796	10,616	109,679	7,685	126,705	10,078	152,024
Siaya	4,113	63,130	5,154	71,504	4,935	60,938	6,345	59,070	6,918	82,794
Busia	3,101	86,356	3,388	62,297	1,980	39,600	3,073	46,485	3,938	59,325
Kisumu	2,314	33,735	2,365	35,475	2,682	22,500	2,654	22,597	2,951	28,969
Bungoma	6,262	86,356	5,659	76,609	5,443	88,994	1,789	28,808	1,613	21,612
Kakamega	3,769	16,001	4,018	17,802	3,345	22,031	2,966	22,138	2,996	20,729
Meru	1,093	9,698	1,118	10,314	865	7,458	997	14,386	1,308	18,099
Narok	1,146	13,155	1,420	15,503	1,186	11,982	994	17,900	1,214	14,069
Kiambu	1,153	9,833	1,175	11,516	1,119	9,473	855	8,348	880	9,919
Lamu	509	1,018	516	764	2	10	268	7,722	284	8961
Taita Taveta	193	3,470	190	4,350	190	4,413	164	3,510	376	6,191
Murang'a	383	4,231	408	3,978	502	6,471	506	3,574	557	6,063
Kisii	630	9,536	869	13,299	565	7,295	586	5,785	550	6,046
West Pokot	38	388	15	170	18	132	3	15	431	5,903
Trans Nzoia	432	6,386	501	5,491	480	6,062	401	49,97	422	5,362
Kirinyaga	556	5,418	656	5,632	1,033	12,806	371	2,641	409	5,117
Kwale	1,050	6,077	1,229	5,656	1,092	4,900	996	4,918	869	4,358
Vihiga	395	2,975	316	2,380	320	3,729	298	3,267	353	4,300
Nyeri	144	943	142	1,724	132	1,752	158	1,068	232	4,286

*Provisional

Source: Ministry of Agriculture and Livestock Development





Industrial Crops are cultivated extensively for various industrial processes and food production.

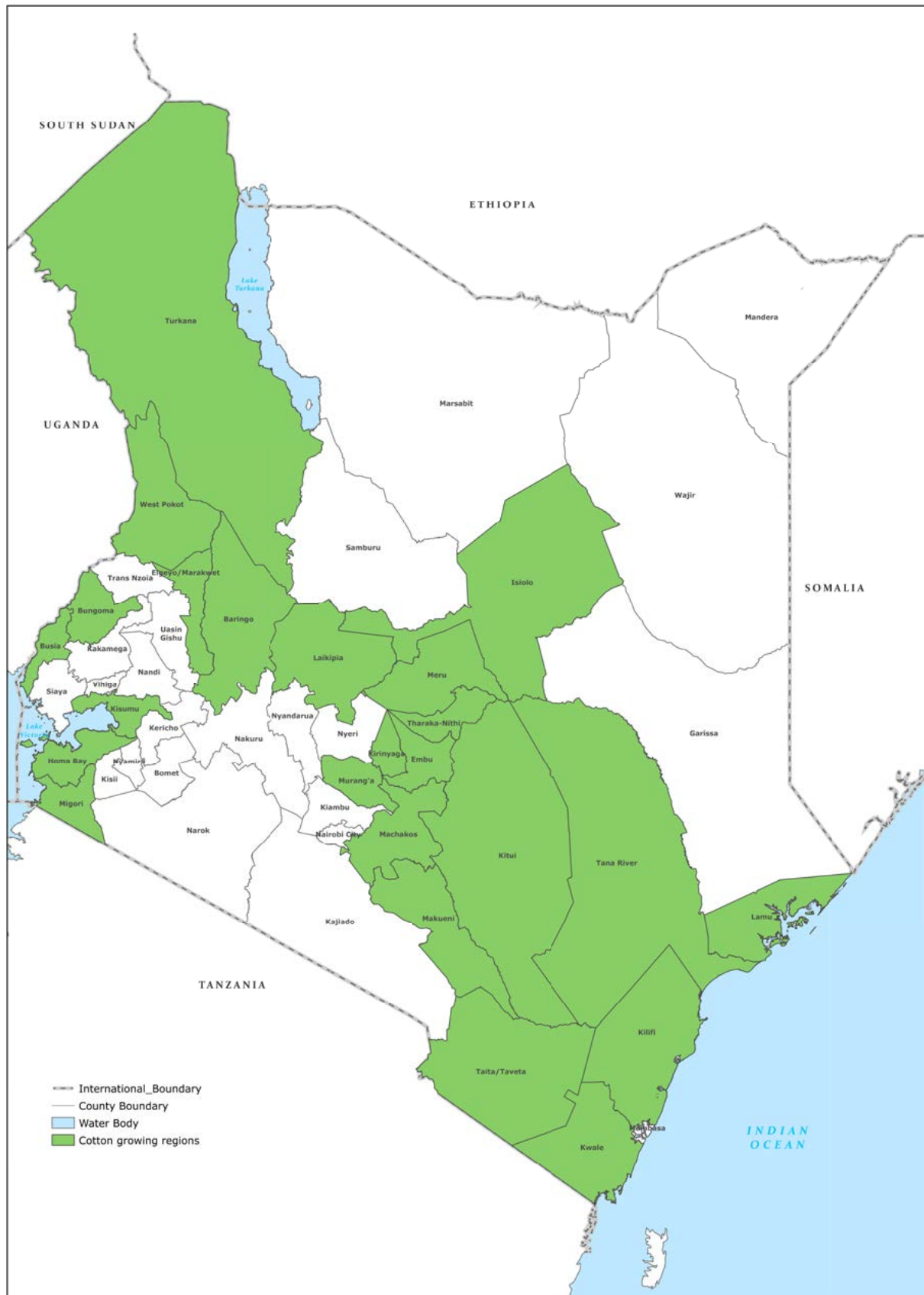
Industrial Crops

4.1. Sugarcane

Sugarcane is a tall tropical perennial crop that is cultivated mainly for the sucrose contained in the mature stem. In Kenya, the crop is grown both for chewing and for commercial milling. The data captured in this report refers to the commercial sugarcane only.

Sugarcane production largely depends on climatic and biophysical (soil and topographic) conditions, which vary significantly throughout Kenya. The crop is grown in 14 counties namely Kakamega, Kisumu, Homabay, Migori, Siaya, Nandi, Bungoma, Uasin Gishu, Trans Nzoia, Kisii, Busia, Narok, Kericho and Kwale. These counties are spread across the Western, Nyanza, Rift Valley and Coastal regions, mainly on small-scale farms.

Figure 4.1: Geographical presentation of sugar regions in Kenya



Area Planted

The area under sugarcane in 2023 was 259.0 thousand hectares compared to 242.5 thousand hectares in 2022, reflecting a 6.8 per cent increase. The increase was attributed to West Valley Sugar Company coming on board. In addition, Naitiri Sugar Company contributed to an increase of 7.8 thousand hectares due to more farmers in Trans Nzoia. During the period, Sukari Industries Limited embarked on massive cane growing and planted 5.7 thousand hectares. Butali Sugar Company did their comprehensive cane census in its zone with the outcome being a reduction in their area under cane by 6.7 thousand hectares.

Area Harvested

In the year 2023, a total of 80.7 thousand hectares of sugarcane was harvested. This was a drop of 31.6 per

cent from 118.0 thousand hectares harvested in 2022. This big decline in the area harvested was as a result of 10 sugar mills closing down from August to November 2023 because of lack of mature cane for harvesting. The closure was to allow sugarcane to mature and be ready for harvesting.

Cane Deliveries

Total cane deliveries reduced by 36.4 per cent to 5.6 million tonnes in 2023 in comparison to 8.8 million tonnes in 2022. This was attributed to the reduced area harvested as well as the decrease in cane weights due to the harvesting of some immature sugarcane from the fields resulting to a decline in cane yields per hectare to 55.0 tonnes per hectares in 2023 from 62.9 tonnes per hectares in 2022.

Table 4.1: Cane Deliveries by Factory, 2019-2023

FACTORY	2019	2020	2021	2022	Tonnes 2023*
Chemelil	42,587	349,343	347,844	260,889	123,879
Muhoroni	210,514	285,154	317,592	325,684	140,306
Mumias	-	-	-	113,289	193,377
Nzoia	184,254	433,446	350,133	194,204	89,457
South Nyanza	204,701	197,098	422,292	444,150	367,023
Kibos	657,898	937,925	797,758	1,136,852	804,873
Soin	-	-	-	-	-
West Kenya	1,054,505	1,430,999	1,943,199	2,134,132	728,617
Butali	562,141	895,794	752,008	929,519	384,218
Transmara	731,840	826,616	1,028,693	805,101	1,058,992
Sukari	633,230	624,235	973,980	952,967	910,607
Kwale	18,878	268,861	30,042	86313	0
Olepito	130,520	150,556	188,468	227,751	150,798
Busia	174,034	410,871	507,111	407,124	112,790
Naitiri	-	-	-	781,794	401,010
West Valley	-	-	-	-	84,754
All Companies	4,605,103	6,810,900	7,659,121	8,799,770	5,550,701

* Provisional

Source: AFA-Sugar Directorate

Ex-Factory Sugarcane Farm gate prices trend

The average sugarcane price paid to farmers in 2023 was KSh 5,333 per tonne, compared to an average of KSh

4,514 per tonne in 2022; an increment of 18.1 per cent. It is worth noting that sugarcane prices have been on an upward trajectory since the year 2020 due to increased competition for raw material by millers.

Table 4.2: Area under Sugarcane, Area Harvested, Production, Average yield and Sugarcane prices, 2019-2023

Year	2019	2020	2021	2022	2023*
Area under sugar cane (Ha)	197,438	200,513	223,006	242,508	259,018
Area harvested (Ha) ¹	71,524	89,679	93,289	117,960	80,662
Total cane deliveries (production) in Tons	4,605,103	6,810,900	7,659,121	8,799,770	5,550,701
Average yield (Tons/Ha) ²	51.3	61.9	70.0	62.9	55.0
Average cane prices paid to Farmers (KSh/Tons)	3,853	3,707	3,912	4,514	5,333

¹ Exclude area harvested by non-contracted farmers

² Yield calculated = (Total cane delivery-cane by non-contracted farmers)/area harvested

* Provisional

Source: AFA - Sugar Directorate

Sugar Production

Sugar production declined by 40.6 per cent from 796.6 thousand tonnes in 2022 to 472.8 thousand tonnes in 2023 as shown in table 4.3. This was mainly due to the closure of 10 milling factories for a period of four

months (August-November) as a result of lack of mature sugarcane for milling. The lack of mature cane for the year is attributed to poor weather (droughts) in 2022.

Table 4.3: Sugar Made by County, 2019-2023

MT

County	2019	2020	2021	2022	2023*
Bungoma	83,313.0	116,498.0	123,811.0	135,173.0	92,409.0
Kakamega	77,160.0	112,038.0	139,027.0	188,756.0	87,367.0
Kisumu	64,859.0	83,420.0	90,033.0	90,157.0	53,874.0
Busia	39,297.0	53,530.0	54,074.0	67,966.0	40,770.0
Migori	34,640.0	58,761.0	32,424.0	55,760.0	31,938.0
Trans Nzoia	15,689.0	13,864.0	23,983.0	22,855.0	11,442.0
Uasin Gishu	4,194.0	9,157.0	12,714.0	10,754.0	7,088.0
Nandi	33,048.0	43,777.0	53,930.0	56,585.0	43,443.0
Kericho	10,211.0	22,412.0	33,363.0	31,733.0	26,924.0
Homabay	16,821.0	19,230.0	44,287.0	44,973.0	26,122.0
Narok	34,486.0	45,990.0	58,166.0	63,101.0	31,846.0
Kisii	4,804.0	3,321.0	7,772.0	2,128.0	3,210.0
Siaya	1,224.0	1,635.0	1,692.0	2,086.0	2,710.0
Kwale	21,189.0	20,154.0	23,180.0	24,526.0	13,629.0
Vihiga	-	-	1,787.0	-	-
All Companies	440,935	603,787	700,243	796,553	472,772

* Provisional

Source: AFA-Sugar Directorate

Imports and exports

Table 4.4 shows production, imports, exports and prices of sugar for the period 2019 to 2023. Imports increased by 89.6 per cent to 608.2 thousand tonnes 320.7 thousand tonnes of sugar imported in 2022. Imports were inevitable as the country had a huge deficit as a result of millers

closing due to lack of milling cane. The quantity of sugar exported to various destinations in 2023 increased to 474.0 tonnes compared to 359.0 tonnes exported in 2022. The exports are mainly through local cross-border traders within.

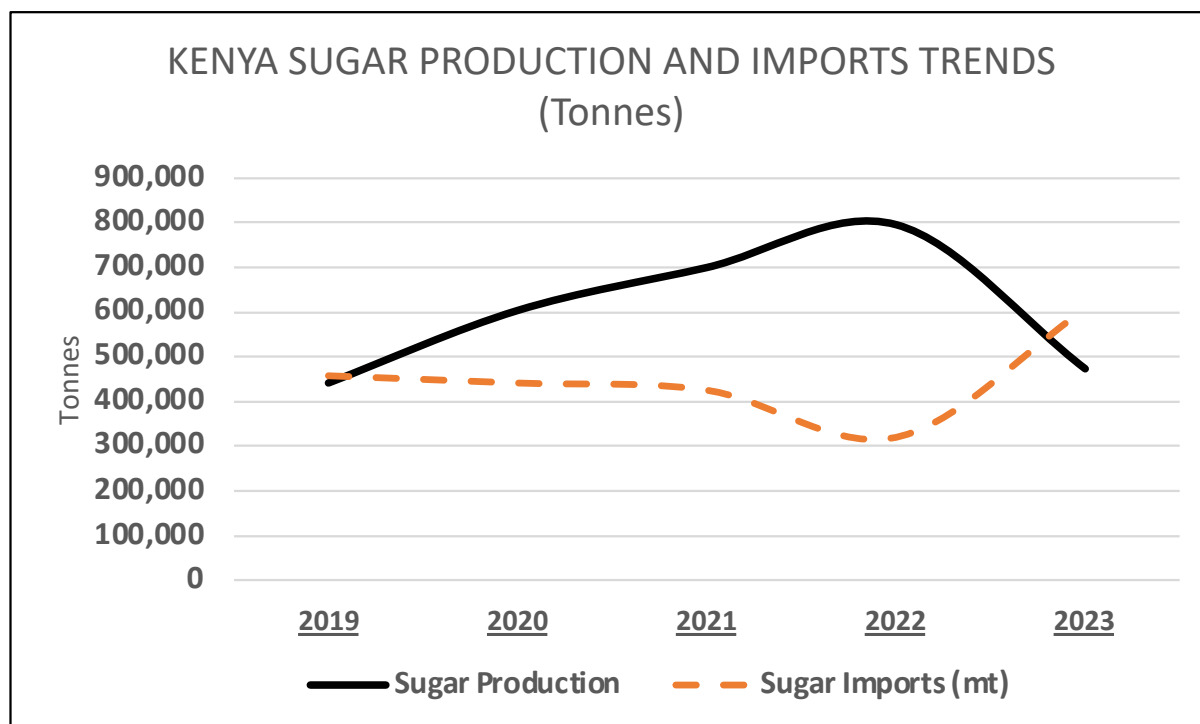
Table 4.4: Sugar Production, Imports, Exports and Prices, 2019-2023

YEAR	2019	2020	2021	2022	2023*
Sugar Production	440,935	603,788	700,241	796,554	472,773
Sugar Imports (Tons)	458,631	442,393	426,334	320,708	608,178
Sugar Exports (Tons)	775	375	1,196	359	474
Average Ex-factory price (KSh/50kg bag)	4,181	4,381	4,645	5,684	7,999
Average Wholesale price (KSh/50kg bag)	4,451	4,633	4,983	6,199	8,405
Average Retail price (KSh/kg)	110	110	114	140	196

* Provisional

Source: AFA-Sugar Directorate

Figure 4.2: Sugar production and imports trends



Challenges facing the Sugar Industry

Some of the challenges facing the sugar industry are:

- i. Delayed cane harvesting when there is a lot of mature cane in a milling zone.
- ii. Delayed payment of cane proceeds by some mills, especially the government-owned mills.
- iii. Non-adherence to the timely lifting of all harvested cane to the mill.
- iv. Non-availability of affordable inputs when needed.
- v. Delayed factory maintenance leading to frequent unscheduled factory stoppages and low sugar recoveries.
- vi. Poor state of roads in the sugar zone (feeder roads) which results in increased cane spillage and high maintenance costs of haulage fleets.

Performance by Counties

Bungoma, Kakamega, and Kisumu Counties have the largest share of sugarcane crop area at 19.5 per cent, 18.5 per cent, and 11.4 per cent respectively (50,628 hectares; 47,866 hectares; 29,516 hectares respectively). The same counties also lead in terms of cane deliveries and sugar production. The nucleus estate accounts for only 9 per cent of the total cane land area, whereas the growers occupy 91 per cent of the total cane land area.

For details of County sugarcane production, please see Annex 11.

4.2: Sisal

Sisal is one of the industrial crops that grows in warm climatic conditions with deep soils and is best valued for its fiber quality. In Kenya, it is predominantly grown by large plantations spread mainly in the counties with warm weather in the Coast, Eastern and parts of Rift Valley regions. The large scale producers form over 90 per cent of all the sisal produced in the country while the rest is produced by small holder growers.

Sisal Production

The total area under sisal was 36.4 thousand hectares in 2023, which was a decrease of 1.6 per cent from 37.0 thousand hectares recorded in 2022 (Table 4.5). Sisal is one of the crops with a relatively static crop area, especially at the estate (large scale) level. In 2023, the estates accounted for 98.1 per cent of the total area at 35.7 thousand hectares, while the area under smallholder farmers was 0.7 thousand hectares. The estates are found in Makueni, Kilifi, Taita Taveta, Baringo, Kwale, and Nakuru. The smallholder farmers are found mainly in Kitui, Makueni, Machakos, Taita Taveta, Siaya, Baringo, Homa Bay, Migori and Kisumu Counties.

Table 4.5: Sisal production trend, 2019-2023

Year	2019	2020	2021	2022	2023*
Area Under Sisal (Ha)	40,696	40,701	39,624	36,959	36,443
Sisal Production (Tons)	25,288	30,327	35,023	32,251	25,577
Exports (Tons)	22,282	28,463	28,928	28,887	22,358
Exports Value (KSh billion)	3.6	4.7	5.1	6.0	5.3

* Provisional
Source: AFA-Sugar Directorate

In comparison to the previous period, there was a 20.7 per cent drop in production from 32.3 thousand tonnes in 2022 to 25.6 thousand tonnes in 2023. The drop was

attributed to unfavorable weather conditions during the period under review.

Table 4.6: Sisal Value, 2021-2023

County	Quantity (Tons)			Value (KSh millions)		
	2021	2022	2023*	2021	2022	2023*
Taita Taveta	12,802	12,564	8,790	2,076	2,600	2,112
Makueni	6,279	6,975	6,108	1,018	1,444	1,469
Kilifi	3,639	4,220	3,752	590	873	906
Nakuru	2,906	3,005	2,678	471	622	646
Baringo	2,525	2,371	2,183	410	491	524
Kwale	2,814	1,716	983	456	355	234
Others ¹	1,244	1,399	1,083	100	147	170
Total	32,209	32,251	25,577	5,122	6,532	6,062

¹ Main counties include Kitui, Makueni, Machakos, Taita Taveta, Siaya, Baringo, Homa Bay, Migori and Kisumu (small holder)
Source: AFA - Fibre Crops Directorate

County production

Taita Taveta is the largest producer of sisal crop, followed by Kwale, Makueni, and Kilifi counties, respectively. For details of Sisal County production, see Annex 12.

Sisal Marketing

In 2023 there was a 22.5 per cent drop in exports from 28.9 thousand tonnes to 22.4 thousand tonnes, mainly due to a drop in exports to our leading export destination of Nigeria. The decline in exports to Nigeria during the period under review was attributed to challenges in their money markets, with many companies being banned from accessing dollars, due to a surplus demand for foreign exchange. The barring of most importers from accessing the dollar from the official market led to most of them lowering the volume of sisal fiber they could import from Kenya. The value of the exports also dropped by 11.7 per cent from KSh 6.0 billion in 2022 to KSh 5.3 billion in 2023 for the same reason.

22.5%

There was a 22.5 per cent drop in sisal exports from 28.9 thousand tonnes to 22.4 thousand tonnes in 2023.



Challenges of Sisal Production

- Weather changes e.g., heavy rains lead to rotting of the stems hence losses for farmers.
- Lack of readily available planting material for upcoming smallholder growers.
- High initial investment cost for establishing the crop; includes farm equipment and processing machinery, in addition to protective gear during leaf cutting.
- Competition from synthetic fibers e.g., nylon and polyethene reduces the market for sisal products.
- Soil exhaustion due to monoculture leads to low and poor-quality yields.
- Scarcity of labour especially during the harvesting period.

4.3. Cotton

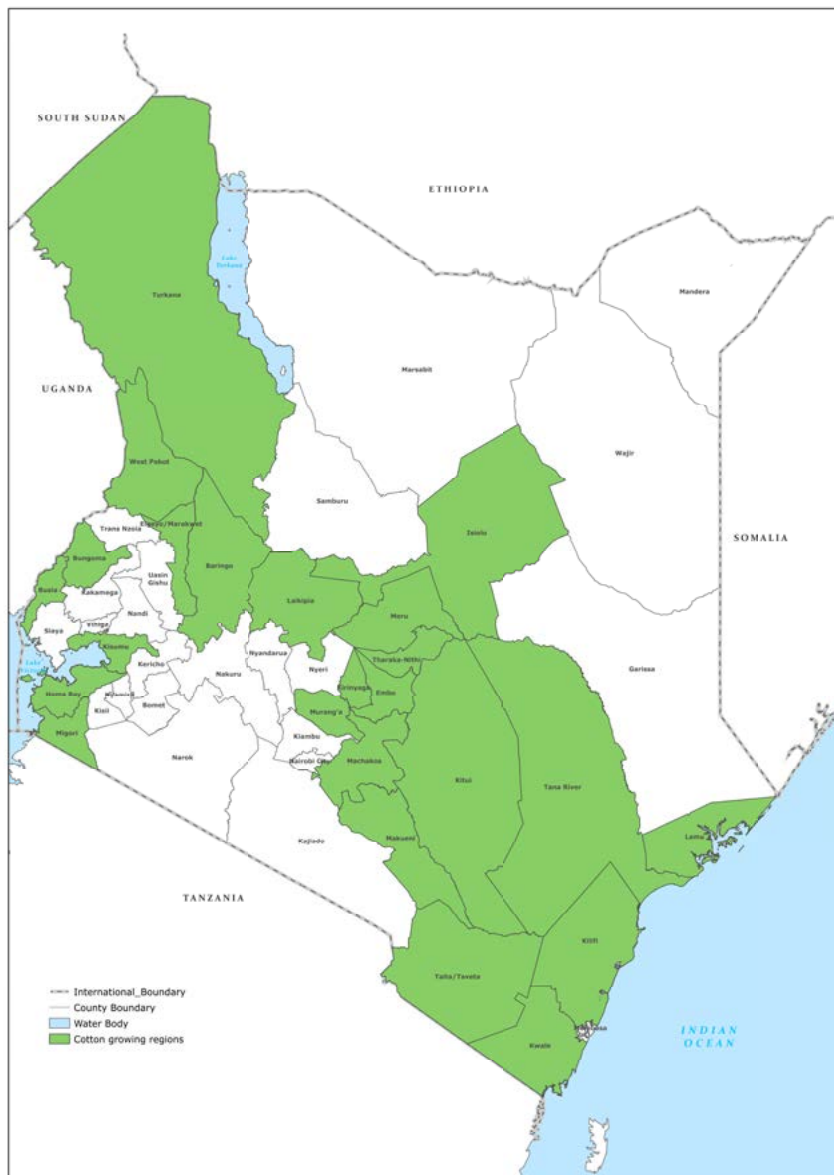
Cotton is a drought-tolerant crop, grown in the Arid and Semi- Arid lands (ASALs). Currently, there are a total of twenty-four (24) counties with suitable agro-ecological zones for cotton production. However, not all of them grow the crop all the time; for instance, during the period under review, only 21 out of the 24 counties cultivated some cotton. Cotton growing regions are broadly divided into two, namely the Eastern and Western regions, with the crop being planted in different seasons, for each of the regions. The Eastern region, which is made up of Kitui,

Makueni, Machakos, Murang'a, Kirinyaga, Embu, Tharaka Nithi, Meru, Isiolo and Laikipia counties, plant the crop in the short rain season of October-November-December, whereas the Western region, made up of the counties of Baringo, Elgeyo Marakwet, Turkana, West Pokot, Kisumu, Busia, Bungoma, Homabay, and Migori and the Coastal counties of Kwale, Taita Taveta, Kilifi, Lamu and Tana River, grow the crop in the long rains season of March-

April-May. During the period under review, Laikipia and Murang'a counties didn't grow any cotton, whereas the counties of West Pokot and Turkana have not undertaken production for the last four (4) years.

There was an increase in the area under cotton during the period under review, although production declined.

Figure 4.3: Kenya Map Showing Cotton Growing Regions



Seed Cotton Production

There was increased effort by the Government through the BETA plan, and the private sector to revitalize cotton production through planting seed support programs. Since Eastern region cotton growing counties plant their crop in October-November-December during the short rains, the impact of the support may not be reflected in the current reporting period, therefore the data used is from the crop grown in October-November-December 2022 and harvested in May-June 2023. However, in the Western region, the high production and acreage

are directly connected to the support from both the government and the private sector within the cropping season, in April-June 2023 and August 2023 for Busia County.

During the period under review, the farmers were supported with a total of 28.8 tonnes of *Bacillus Thuringiensis* (BT) seeds from both the government and the private sector. In addition, a total of 103.3 tonnes of conventional seeds were issued. The seed was planted in an area of 14,734.1 hectares during the season. The breakdown of the seed support was as follows:

Table 4.7: Seed Support and Area for Oct-Nov-Dec 2022 and March-April-May, 2023 seasons – (Two seasons combined)

County	Seed Supplied (Kg)		Area (Ha)
	Bacillus Thuringiensis (BT)	Open Pollinated Variety (OPV)	
Isiolo	30	-	8.1
Meru	225	17,772	1259.4
Tharaka/Niithi	315	6,873	548.4
Embu	675	-	182.1
Kirinyaga	150	-	40.5
Machakos	545	60	151.0
Makueni	500	-	134.8
Kitui	-	10,710	722.4
Baringo	787	9,060	823.6
Elgeyo/Marakwet	-	-	-
Bungoma	500	-	134.8
Busia	8,900	-	2401.1
Siaya	3,100	5000	1173.6
Kisumu	1,532	12,507	1248.1
Homabay	1,548	41,055	3186.6
Migori	18	292	24.3
Lamu	8,467	-	2284.1
Tana River	375	-	101.2
Kilifi	300	-	80.9
Kwale	400	-	108.1
Taita/Taveta	450	-	121.4
Totals	28,817	103,329	14,734.1

Source: Fibre Crops Directorate

Logistical challenges in seed procurement, delivery, and distribution in some cases like Makueni, caused delays in delivery up to late December 2022, when the rains had already stopped. Farmers who risked planting experienced total crop failure due to drying up of the crops.

Kitui and Makueni counties maintained the ratoon crop from the previous year. The counties also experienced extreme harsh weather conditions during the period under review. In the case of Makueni, most of the seed received out of the 500 Kgs was shelved off by the farmers for the following season.

Seed Cotton Production

Area

The area under crop increased by 41.5 per cent to 12.2 thousand hectares in 2023. The increase was attributed to the collaborated effort by the government to revitalize cotton, as a strategy to reduce importation of seed cake and lint, as envisioned in the government’s Bottom-Up Economic Transformation Agenda (BETA) plan. In realizing the plan, the National Government, the county governments, the ginneries, and textile mills supported the farmers during the period under review with the provision of certified seeds during the planting season.

3.9 Thousand

A total of 3.9 thousand tonnes of seed cotton was produced in comparison to 3.8 thousand tonnes in the previous season an increase of 2.6 per cent in the period under review.



Production

A total of 3.9 thousand tonnes of seed cotton was produced in 2023 in comparison to 3.8 thousand tonnes in the previous season, an increase of 2.6 per cent. The average yield in 2023 was 129 Kg per hectare compared to 179 Kg per hectare in 2022. This was attributed to unfavorable weather conditions experienced during crop production. In addition, late planting due to late delivery of cotton seed in some of the key cotton-growing counties contributed to a decline in productivity during the period under review.

Table 4.8: Area under cotton, seed cotton production, and yields, 2019-2023

Year	2019	2020	2021	2022	2023
Area (Ha)	18,000	9,837	10,640	8,585	12,152
Seed Cotton production (Tons)	3,015	3,390	1,300	3,762	3,864
Yield (Kg/Ha)	168	345	122	179	129

Source: AFA-Fibre Crops Directorate

The value of seed cotton increased from KSh 211.8 million in 2022 to KSh 231.6 million in the period under review as shown in Table 4.3.

Lint Cotton Production

During the period under review, a total of 7.0 thousand bales of lint were produced in 2023 compared to 6.8 thousand bales in 2022, an increase of 2.9 per cent. The

value of lint increased from KSh 282 million to KSh 310 million in the period under review. The details of volumes and value of lint by county are further highlighted in annex 13.

The price of cotton lint varied from lows of KSh 230 per Kg to highs of KSh 328 per Kg of lint, in the review period. These prices were mainly determined by the demand and supply in the international market for lint

Table 4.9: Lint Production and Value, 2019-2023

Year	2019	2020	2021	2022	2023*
Bales of Lint cotton (185 Kg)	5,432	6,106	2,527	6,780	7,006
Average Price of Lint (KSh/Kg)	190	180	190	230	328
Value of Lint (KSh million)	191	203	82	283	310

* Provisional

Source: Fibre Crops Directorate

Imports of Cotton Products

In 2023, various cotton products were imported from Uganda and Tanzania. These included cotton seed, cotton seed cake, crude cotton oil, and cotton lint. The main importers of the cotton cake and seed meal were

livestock manufacturers, the main importers of seed were oil processors while textile mills were the main importers of lint. The table below shows the quantities and estimated values for the imports.

Table 4.10: Cotton Products - Imports and Values, 2023

Commodity	Source		Total Imports (Kg)	Estimated Value (KSh)
	Tanzania (Kg)	Uganda (Kg)		
Total	24,201,180	4,911,949	29,113,129	1,264,220,058
Cotton Seeds	14,441,000	4,618,949	19,059,949	800,517,858
Cotton Cake	8,792,180	293,000	9,085,180	363,407,200
Crude Oil	836,500	--	836,500	83,650,000
Cotton Lint	103,500	--	103,500	15,525,000
Cotton Seed Meal	28,000	--	28,000	1,120,000

-- data not available

Source: Fibre Crops Directorate

Cotton Production by County

The top five (5) cotton-producing counties of Lamu, Homabay, Meru, Siaya, and Busia contributed 83 per cent of total seed cotton production during the period under review.

Table 4.11: Top Five Seed Cotton producers by County, 2023

County	Seed cotton Production (Tons)	Per cent of contribution
Lamu	2,142	55.4
Homabay	452	11.7
Meru	264	6.8
Siaya	200	5.2
Busia	167	4.3
Other counties	639	16.5
TOTALS	3,864	100



The top five counties of Homabay, Busia, Lamu, Meru, and Kisumu in area under cotton production contributed 73 per cent of the total area under production. The high acreage under cotton in Busia County was due to a deliberate promotion effort by the National Government for transformative interventions for cotton revitalization under BETA. The county was identified for pilot project. Despite this high acreage, cotton production was unexpectedly lower than all of the top 4 counties which could be attributed to late planting, high rainfall at the time of harvesting, and poor agronomic practices, especially in pest management.

The highest productivity was registered in Kilifi County at 1,641 Kg per hectares followed by Lamu County at 1,776 Kg per acre. The high productivity in Kilifi could be attributed to the fact that the farmers received the seed on time, planting early enough just as the rains were setting in. Lamu County, which was expected to register the highest productivity, experienced flash floods which affected yields per acre, during the period under review.

In comparison to the previous production periods, there was a clear indication that production was on an upward trajectory, implying that revitalization efforts had started bearing fruit, albeit slowly.

4.12: Seed Cotton Production Area and Value by County, 2019-2023

County	AREA(Ha)				Production-Seed Cotton (Tons)				Value Of Seed Cotton (KSh)									
	2,019	2,020	2,021	2,022	2,019	2,020	2,021	2,022	2,019	2,020	2,021	2,022	2,023					
Baringo	500.0	200.4	148.0	211.0	700.4	2,023	700.4	211.0	95.0	157.1	69.0	88.0	122.4	4,940,000.0	7,263,940.8	3,429,000.0	4,711,103.1	7,072,443.0
Bungoma	200.0	120.0	72.0	101.0	114.6	42.0	52.0	3.0	6.0	29.7	2,184,000.0	2,496,000.0	125,000.0	327,240.0	1,931,700.0	10,854,881.0	546,650.0	
Busia	1,200.0	1,237.2	1,400.0	951.0	2,226.7	64.0	30.1	20.0	8.5	23.2	780,000.0	2,689,253.0	11,597,233.3	25,299,274.0	31,619,851.2	93,500.0	4,346,040.5	
Elgeyo Marakwet	150.0	40.8	24.0	23.0	22.3	39.0	7.0	12.0	468.0	224.0	487.0	1.7	239,252.0	268,800.0	1,498,337.4	93,050.0	1,387,282.0	4,346,040.5
Embu	300.0	160.0	396.0	336.0	273.3	15.0	54.7	7.0	4.6	5.7	28.0	70.4	1,300,000.0	1,498,337.4	93,050.0	1,387,282.0	4,346,040.5	
Homa Bay	800.0	1,383.2	840.0	1,822.0	2,238.9	250.0	224.0	224.0	468.0	224.0	487.0	1.7	239,252.0	268,800.0	1,498,337.4	93,050.0	1,387,282.0	4,346,040.5
Isiolo	400.0	4.8			8.1				4.6				1.7					
Kakamega		31.6							5.7									
Kilifi	250.0	60.0	20.0	44.0	42.9	25.0	31.3	2.0	28.0	70.4	1,300,000.0	1,498,337.4	93,050.0	1,387,282.0	4,346,040.5	93,050.0	1,387,282.0	4,346,040.5
Kirinyaga	20.0	12.0	28.0	31.0	34.4	5.0	7.9	7.0	8.0	10.3	260,000.0	410,800.0	355,420.0	391,560.0	533,480.0	533,480.0	533,480.0	533,480.0
Kisumu	500.0	99.0	60.0	130.0	1,255.1	85.0	78.8	34.0	110.0	37.3	4,420,000.0	3,859,793.7	1,738,320.0	6,263,852.0	2,388,594.3	2,388,594.3	2,388,594.3	2,388,594.3
Kitui	1,500.0	1,600.0	834.0	304.0	182.2	240.0	297.4	100.0	111.0	110.2	12,480,000.0	14,806,260.0	5,227,482.0	6,099,924.0	6,314,939.0	6,314,939.0	6,314,939.0	6,314,939.0
Kwale	200.0	100.0	24.0	31.0	39.3	25.0	27.5	13.0	32.0	21.0	1,320,000.0	1,320,000.0	650,000.0	1,643,733.0	1,260,000.0	1,260,000.0	1,260,000.0	1,260,000.0
Laikipia	-	-	-	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lamu	4,000.0	520.0	800.0	1,134.0	1,821.9	1,050.0	861.1	203.0	2,267.0	2,142.1	54,600,000.0	46,623,175.0	10,129,560.0	131,521,101.0	120,756,876.0	120,756,876.0	120,756,876.0	120,756,876.0
Machakos	350.0	400.0	520.0	162.0	139.3	85.0	46.3	31.0	7.0	4.1	4,420,000.0	2,269,288.0	1,529,250.0	309,465.0	210,000.0	210,000.0	210,000.0	210,000.0
Makueni	2,000.0	1,000.0	458.0	223.0	115.4	58.0	117.4	31.0	16.0	64.1	3,016,000.0	5,489,470.0	1,361,120.0	1,026,637.5	3,886,775.0	3,886,775.0	3,886,775.0	3,886,775.0
Meru	1,300.0	600.0	2,688.0	1,518.0	1,295.5	268.0	693.9	211.0	128.0	263.9	13,936,000.0	36,495,206.6	10,541,820.0	6,915,606.0	17,401,876.0	17,401,876.0	17,401,876.0	17,401,876.0
Migori	300.0	40.0	20.0	40.0	24.3	45.0	3.0	10.0	2.0	0.5	2,340,000.0	144,000.0	500,000.0	119,600.0	42,000.0	42,000.0	42,000.0	42,000.0
Murang'a	100.0	8.0				5.0	1.0				260,000.0	49,000.0						
Siaya	1,200.0	1,940.0	1,400.0	1,053.0	998.0	455.0	188.9	191.0	331.0	200.0	23,660,000.0	9,067,992.0	9,152,371.0	18,719,337.0	13,000,000.0	13,000,000.0	13,000,000.0	13,000,000.0
Taita Taveta	1,200.0	40.0	40.0	40.0	93.1	45.0	29.8	18.0	37.0	50.4	2,340,000.0	1,590,407.5	881,297.5	1,907,048.0	2,920,445.0	2,920,445.0	2,920,445.0	2,920,445.0
Tana River	500.0	40.0	56.0		60.7	42.0	35.8	65.0	4.0	4.0	2,184,000.0	1,742,105.0	3,459,155.0	240,000.0	240,000.0	240,000.0	240,000.0	240,000.0
Tharaka Nithi	1,000.0	200.0	812.0	425.0	465.6	75.0	46.7	24.0	15.0	80.5	3,900,000.0	2,400,441.0	1,215,927.5	749,683.0	4,844,132.0	4,844,132.0	4,844,132.0	4,844,132.0
Uasin Gishu								1.0						25,000.0				
West Pokot	30.0					2.0					104,000.0							
Total	17,970.0	9,837.0	10,640.3	8,585.0	12,151.8	3,015.0	3,388.9	1,297.0	3,762.0	3,863.9	156,780,000.0	172,129,129.9	65,155,072.1	211,822,217.1	231,570,485.9	231,570,485.9	231,570,485.9	231,570,485.9

Table 4.13: Production parameters 2022 vs 2023

	2022	2023*
Area(Ha)	8,585	12,152
Seed Cotton (MT)	3,715	3,864
Seed Cotton price (Ksh/kg)	52	65-72
Seed Cotton value (Million Kshs)	211.82	231.57
Bales(185Kgs lint)	6,780	7,006
Lint value (Million Kshs)	283	310
Yield (KG/acre)	177	129

* Provisional

Source: Fibre Crops Directorate

Challenges Facing Cotton Production

In 2023, the following were the major challenges cited to have negatively affected cotton production and lowering performance, despite immense support provided to the sub-sector by the government and the private sector.

(a) Erratic weather conditions

Extreme weather conditions were experienced in several counties at different periods of crop growth, thus affecting productivity and production. This was most felt in the Eastern region, in counties like Kitui, Makueni, Meru and Isiolo which experienced almost total crop failure and very low yields as most of the crop dried.

In cases of counties in Western and Nyanza regions, for instance Kisumu, low production and yield were attributed to erratic weather conditions whereby during planting, floods swept what had been planted in the Kano plains and during flowering, prolonged drought caused abortion of flowers. Flash floods were also experienced in Baringo, along the Kerio Valley and some areas in Lamu.

(b) Lack of seed

The certified BT cotton seed support provided by the government and the private sector was insufficient to meet the overwhelming demand by the farmers who preferred BT seeds over conventional recycled seeds. For example, in Kitui, no certified BT seed was planted during the period under review. As a stop-gap measure, the local ginnery stepped in to provide a total of 6,000 Kgs of recycled seed to cushion farmers from lack of seed. However, only a few of them planted it, with most

of them reportedly deciding to maintain the ratoon crop from the previous production season.

(c) Delayed seed delivery

In 2023, the delayed seed delivery had a pronounced impact on the crops. This delayed planting and thus prevented farmers from capitalizing on the available rains during the season.

(d) Poor agronomic practices

Lack of extension service in most of the cotton-growing counties led to poor agronomic practices by the farmers.

(e) Lack of pesticide support

Due to budgetary constraints, the farmers did not receive pesticide control chemicals.

4.4. Coffee

During the Coffee Year 2022/2023, the area under coffee increased to 111.9 thousand hectares from 109.4 thousand hectares in the previous year across 33 counties. The increase in area under coffee production was as a result of the provision and access to good quality coffee seedlings by the growers. There were 605 cooperative societies with 1,122 factories with a production of 215.36 million Kgs of cherry, 7.39 million kgs of mbuni and 299,256 Kgs of parchment. The highest payout rate per Kg of cherry was KSh 102.05. The average cherry payout rate for the year was KSh 71.97 per Kg of cherry. Despite the increase in area under coffee, the production of clean

coffee declined by 6.2 per cent from 51.9 thousand tonnes in 2021/2022 coffee year to 48.7 thousand tonnes of clean coffee produced in the 2022/2023 coffee year.

Coffee exports during the year 2022/2023 were 48.0 thousand tonnes Green Bean Equivalent (GBE), an increase from 42.9 thousand tonnes of GBE in the year

2021/2022. However, imports reduced to 1.4 thousand tonnes of GBE from 3.8 thousand tonnes of GBE in the year 2021/2022. Domestic consumption level increased from 1.7 thousand tonnes in the year 2021/2022 to 2.1 thousand tonnes within the current coffee year, an increase of 23.5 per cent. Similarly, the number of coffee houses increased from 506 to 791 houses.

Table 4.14 Area under Coffee, Production, Yields, Exports, Imports and Consumption 2018/19-2022/23

Year	2018/19	2019/20	2020/21	2021/22	2022/23*
Area (Ha)	119,600	119,675	108,199	109,384	111,902
Production (Tons)	44,987	36,873	34,512	51,900	48,700
Yields (Tons/Ha)	0.39	0.32	0.30	0.43	0.45
Exports ¹ (Tons)	50,600	46,162	41,797	42,858	47,957
Consumption (Tons)	1,411	1,577	1,656	1,722	2,051

* Provisional

Source: AFA - Coffee Directorate

¹ The figures includes inventory/ carry over stocks and may not be comparable to the economics survey figures

Clean Coffee Production

A total of 48.7 thousand tonnes of clean coffee was produced during the year 2022/2023 with cooperatives producing 34.5 thousand tonnes while estates produced 14.2 thousand tonnes. Kiambu was the leading county in production followed by Kirinyaga and Nyeri respectively both nationally and in the East of Rift-Valley. Kericho and Bungoma were the leading counties in production in the West of Rift-Valley.

Reasons for Decline:

- There were unfavorable weather conditions that were conducive to the spread of Coffee Berry Disease (CBD).

The Directorate offered an advisory to help in mitigating the spread.

- Biennial bearing cycle of the Arabica coffee tree that is directly related to the state of a coffee tree.

Area Under Coffee

During the 2022/2023 coffee year, the total area under coffee for estates and smallholder farmers in cooperatives was 111.9 thousand hectares, from 109.4 thousand hectares in the previous coffee year, an increase of 2.3 per cent. The area under smallholder farmers reduced from 84.1 thousand hectares in 2021/2022 to 83.8 thousand hectares in 2022/2023. The total area under estates increased from 25.3 thousand hectares in 2021/2022 to 28.1 thousand hectares in 2022/2023.

Kiambu County had the largest area under coffee at 18.2 per cent of the total national area under coffee followed by Kirinyaga (9.1 per cent), Nyeri (8.9 per cent), Murang'a (8.5 per cent), Meru (7.9 per cent), Machakos (7.2 per cent) and Bungoma (7.2 per cent). Table 5.4.2 shows the area under coffee per county and grower category. Table 4 below highlights the area distribution by county in 2021/2022 and 2022/2023.

48.7 Thousand Tonnes

A total of 48.7 thousand tonnes of clean coffee was produced during the year 2022/2023 with cooperatives producing 34.5 thousand tonnes while estates produced 14.2 thousand tonnes.





Table 4.15: Area for Crop Year 2021/2022 and 2022/2023

Hectares

County	2021/22			2022/23		
	Co-op Society	Estate	Total	Co-op Society	Estate	Total
Baringo	1,058.0	157.4	1,215.4	1,100.0	255.0	1,355.0
Bomet	243.0	30.0	273.0	249.0	44.0	293.0
Bungoma	6,710.0	1,015.0	7,725.0	6,822.0	1,276.0	8,098.0
Busia	200.0		200.0	204.0	10.0	214.0
Elgeyo Marakwet	103.0	51.0	154.0	114.0	78.0	192.0
Embu	6,543.9	338.0	6,881.9	6,546.0	342.0	6,888.0
Homa Bay	422.0	7.0	429.0	422.0	33.0	455.0
Kajiado	10.0	5.4	5.4	10.0	5.0	15.0
Kakamega	333.0	18.0	351.0	343.0	41.0	384.0
Kericho	4,123.2	718.8	4,842.0	4,200.0	899.0	5,099.0
Kiambu	8,610.0	11,759.0	20,369.0	8,610.0	11,759.0	20,369.0
Kirinyaga	8,410.0	1,599.0	10,089.1	8,471.0	1,742.0	10,213.0
Kisii	3,777.0	802.0	4,579.0	3,780.0	810.0	4,590.0
Kisumu	20.0	86.0	106.0	52.0	185.0	237.0
Laikipia	52.4	4.0	56.4	53.0	5.0	58.0
Machakos	6,280.0	1,733.0	8,013.0	6,285.0	1,744.0	8,029.0
Makueni	1,663.0	32.0	1,695.0	1,663.0	32.0	1,695.0
Meru	7,824.8	883.6	8,708.4	7,848.0	939.0	8,787.0
Migori	803.0	32.0	835.0	803.0	32.0	835.0
Murang'a	8,500.0	913.0	9,413.0	8,517.0	954.0	9,471.0
Nairobi		181.0	181.0	-	181.0	181.0
Nakuru	1,496.2	503.0	1,999.2	540.0	1,512.0	2,052.0
Nandi	1,723.0	192.0	1,915.0	1,844.0	475.0	2,319.0
Narok	277.0	60.2	337.2	284.0	76.0	360.0
Nyamira	1,919.5	791.0	2,710.5	1,920.0	791.0	2,711.0
Nyeri	8,812.0	1,029.0	9,841.0	8,856.0	1,131.0	9,987.0
Siaya	37.0		37.0	37.0	-	37.0
Taita Taveta	10.0		10.0	10.0	-	10.0
Tharaka-Nithi	3,425.9	255.0	3,680.9	3,444.0	297.0	3,741.0
Trans Nzoia	371.0	1,827.0	2,198.0	386.0	1,974.0	2,360.0
Uasin Gishu	123.0	218.0	341.0	219.0	443.0	662.0
Vihiga	14.0	1.0	15.0	14.0	5.0	19.0
West Pokot	131.0	47.0	178.0	133.0	53.0	186.0
Total	84,025.9	25,288.4	109,384.4	83,779.0	28,123.0	111,902.0

Table 4.16: Summary of area and production between Crop Year 2018/2019 and 2022/2023

Coffee Year:	2018/19	2019/20	2020/21	2021/22	2022/23*
AREA (Ha) '000-					
Co-operatives	94.1	94.8	83.2	84.1	83.8
Estates	25.5	24.9	25	25.3	28.1
TOTAL	119.6	119.7	108.2	109.4	111.9
PRODUCTION (Tonnes) '000-					
Co-operatives	30.9	25.9	22.8	36.3	34.5
Estates	14.1	11	11.7	15.6	14.2
TOTAL	45	36.9	34.5	51.9	48.7
AVERAGE YIELD (Kg/Ha.)-					
Co-operatives	348.0	289.1	242.3	382.9	414.7
Estates	544.4	421.5	458.8	626.5	568.0

* Provisional

Source: Agriculture and Food Authority, Coffee Directorate

Note:

The coffee year is from October to September

Auction

Overall, the performance of the auction has been on a general upward trend from 2019/2020 through to 2021/2022. However, in the year 2022/2023 there was a recorded decline of 15.7 per cent in auction volumes as compared to the year 2021/2022 which is from 38.8 thousand tonnes to 32.7 thousand tonnes.

Table 4.17: Monthly Auction Crop Year 2021/2022 and 2022/2023

Month	Bags Bought (50 Kg)	Weight Bought (Tons)	Min Price (US\$)	Max Price (US\$)	Value (Million US\$)	Average Price (US\$/50 Kg)
2021/2022						
Oct-21	19,982	999	40	475	6.04	302.44
Nov-21	70,770	3,538	50	499	24.49	346.09
Dec-21	56,235	2,812	83	502	19.64	349.27
Jan-22	119,805	5,990	84	487	40.23	335.83
Feb-22	125,283	6,264	51	500	40.19	320.83
Mar-22	132,910	6,646	47	450	33.18	249.67
Apr-22	36,911	1,846	35	475	8.29	224.61
May-22	9,812	491	25	400	1.79	182.38
Jun-22	6,082	304	40	380	1.63	267.24
Jul-22	42,226	2,111	40	400	11.84	280.51
Aug-22	87,599	4,380	44	400	23.33	266.32
Sep-22	68,190	3,409	60	390	16.66	244.35
Total	775,805	38,790	25	502	227.33	293.03

Table 4.18: Monthly Auction Crop Year 2021/2022 and 2022/2023 (Continued)

Month	Bags Bought (50 Kg)	Weight Bought (Tons)	Min Price (US\$)	Max Price (US\$)	Value (Million US\$)	Average Price (US\$/50 Kg)
2022/2023						
Oct-22	60,300	3,015	50	305	12.3	204.06
Nov-22	35,497	1,775	40	430	6.31	177.73
Dec-22	32,270	1,613	38	300	6.07	188.25
Jan-23	108,899	5,445	42	430	21.61	198.43
Feb-23	137,025	6,851	34	686	30.31	221.19
Mar-23	124,580	6,229	35	475	24.33	195.28
Apr-23	108,221	5,411	42	460	18.59	171.74
May-23	33,965	1,698	35	350	6.05	178.14
Jun-23	0	0	0	0	0	0
Jul-23	0	0	0	0	0	0
Aug-23	3,838	192	56	320	0.7	183.41
Sep-23	8,444	422	74	301	1.59	188.07
Total	653,040	32,652	34	686	127.86	195.79

NB: There were no coffee auction sales in the months of June and July 2023

The best performance was observed in February 2023 where an average of USD 221.19 per 50 Kg bag was recorded against total value and volumes of USD 30.31 Million and 6.85 tonnes respectively. The highest price for the season was also recorded in February with at USD 686 Per 50 Kg bag.

Direct Sales and Auction Summary

There are two systems of marketing coffee in Kenya which include auction and direct sales systems. Table 4.19 shows marketed volumes and value from 2013/14 to 2022/23. In 2022/2023, 77.7 per cent of Kenyan Coffee was traded at the Nairobi Coffee Exchange under the auction system while 22.3 per cent was traded through direct sales.

Table 4.19: Direct Sales and Auction Summary between Crop Year 2013/2014 and 2022/2023

Year	Auction Sales		Direct Sales		Total	
	Weight (Tons)	Value (USD) million	Weight (Tons)	Value (USD) million	Weight (Tons)	Value (USD) million
2013/14	40,928	174.15	8,282	42.99	49,210	217.14
2014/15	34,754	142.51	7,183	40.03	41,937	182.54
2015/16	38,376	148.93	7,544	41.05	45,919	189.98
2016/17	34,091	159.20	6,756	43.74	40,846	202.94
2017/18	35,676	145.22	7,962	44.98	43,638	190.2
2018/19	35,605	109.56	10,283	47.95	45,888	157.52
2019/20	24,531	92.76	13,521	68.28	38,052	161.04
2020/21	25,126	141.24	10,444	68.24	35,570	209.48
2021/22	38,790	227.33	11,841	84.55	50,631	311.88
2022/23*	32,652	127.86	9,350	48.57	42,001	176.43

*Provisional

Source: Agriculture and Food Authority, Coffee Directorate

Coffee Exports:

In the year 2022/2023 coffee was exported to 52 destinations. Kenya established ten export destinations in the year 2022/2023, however five export destinations that were there the previous coffee year were lost. Among the destinations lost were Tunisia, Bahrain, Burundi, Egypt and Guatemala. The loss of export destinations was attributed to the cyclic and periodic export nature to the countries of concern.

Table 4.20 shows the top ten destinations for Kenyan coffee in the 2021/2022 and 2022/2023 coffee years. These destinations were USA (23.4 per cent), Germany (17.4 per cent), Belgium (10.5 per cent), Sweden (8.6 per cent), Korea, Republic of (6.5 per cent), Australia (3.8 per cent), Netherlands (2.8 per cent), Norway (2.4 per cent), Denmark (2.4 per cent) and Finland (2.2 per cent).

Table 4.20: Top 10 Coffee Export Destinations, 2021/2022 and 2022/2023

Export Destination	Weight (Tons)		Value (Million USD)		Value (KSh Billion)		Percentage Share (Weight 2022/23)
	2021/22	2022/23*	2021/22	2022/23*	2021/22	2022/23*	
USA	8,104	11,228	62.32	59.2	7.19	7.93	23.4
Germany	6,089	8,347	36.71	39.34	4.26	5.44	17.4
Belgium	8,085	5,026	63.99	29.12	7.41	3.91	10.5
Sweden	2,194	4,128	14.94	21.79	1.72	2.93	8.6
Korea, Republic of	4,348	3,119	31.49	16.88	3.62	2.25	6.5
Australia	1,302	1,823	8.26	9.24	0.95	1.23	3.8
Netherlands	1,394	1,322	6.32	6.22	0.73	0.85	2.8
Norway	1,235	1,156	10.63	8.45	1.15	1.14	2.4
Denmark	1,281	1,165	8.35	7.82	0.96	1.13	2.4
Finland	1,218	1,069	7.12	6.02	0.82	0.77	2.2
Sub Total (Top Ten)	35,250	38,384	250	204.07	29	27.58	80.0
Others (42)	7,608	9,573	48.43	48.05	5.56	6.53	20.0
Grand Total	42,858	47,957	298.56	252.12	34.37	34.11	100

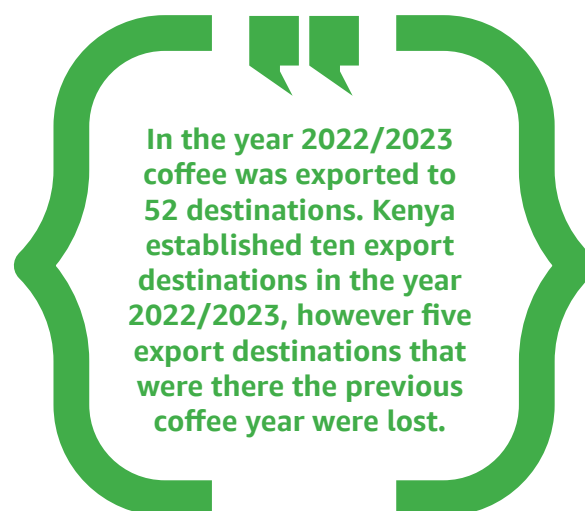
*Provisional

Source: Agriculture and Food Authority, Coffee Directorate

The rest, a total of 42 destinations accounted for 20 per cent of the total coffee exported, that is 9.6 thousand tonnes. The overall volumes exported to other nations other than the top 10 destinations increased by 25.8 per cent signifying positive market diversification in terms of coffee exports by virtue of increased export destinations and an increase in the market share of nations that fall outside the top ten destinations for Kenyan coffee.

Challenges Facing Coffee Production

The presence of other competitive cash crops that fetch higher prices led to the uprooting of coffee trees and the shifting from coffee farming to investment in real estate in predominant coffee-growing areas like Kiambu.



4.5. Pyrethrum

Area under Pyrethrum Crop

Table 4.21 shows the area under pyrethrum by county from 2019 to 2023. In the year 2023, the area under pyrethrum more than doubled from 1.6 thousand hectares in 2022

to 3.8 thousand hectares. Nakuru, West Pokot, Bomet, Nyandarua, Elgeyo Marakwet and Kericho were leading area under the crop. The increase was supported by government intervention in reviving the pyrethrum farming.

Table 4.21: Area under pyrethrum in acres by county, 2019-2023

County	2019	2020	2021	2022	2023*
Nakuru	2,927	1,722	914	1197	3884
West Pokot	2,200	2,200	120	708	1909
Bomet	60	60	209	359	865
Nyandarua	511	539	1974	783	812
Kericho	116	112	128	193	741
E/Marakwet	678	1,250	34	25	494
Laikipia	65	65	32	42	188
Kiambu	6	6	100	102	143
Nyamira	23	23	71	180	71
Baringo	62	68	92	31	55
Nyeri	33	10	5	245	45
Meru	21	9	7	66	44
Kisii	660	660	14	29	62
Narok	209	200	40	15	36
Uasin Gishu	678	809	17	20	11
Nandi	5	2	6	2	2
Trans Nzoia	14	12	3	1	0
Bungoma	12	12	11	2	0
Total	8,280	7,759	3,777	4,000	9,362

*Provisional

Source: AFA, Miraa, Pyrethrum and Other Industrial Crops Directorate
 1Ha = 2.471 Acres

3.8 Thousand hectares



In the year 2023, the area under pyrethrum more than doubled from 1.6 thousand hectares in 2022 to 3.8 thousand hectares. Nakuru, West Pokot, Bomet, Nyandarua, Elgeyo Marakwet and Kericho were leading area under the crop.

Pyrethrum Dry Flower Production

Dry pyrethrum flowers production that was delivered for processing was 1,680.0 tonnes in 2023 as shown in table 4.22 and table 4.23. This was the highest production recorded in the last five years. The increase in production in 2023 was attributed to the expansion of acreage due to Government's support program of implementing a seedling purchase and distribution; capacity building on agronomic practices, and improved post-harvest handling amongst other interventions by the value chain players. These combined efforts aimed to boost the supply and ensure a steady flow of flowers to meet the growing demand and utilize installed processing capacities by the pyrethrum processors.

Table 4.22: Dry Pyrethrum Flower Production in Kilograms, 2019-2023

Kilograms

County	2019	2020	2021	2022	2023*
Nakuru	147,319	194,539	261,320	452,430	772,035
Bomet	3,523	5,152	32,603	112,566	319,001
Nyandarua	7,801	35,250	121,901	204,939	272,055
West Pokot	110,728	20,001	44,980	61,604	113,050
Kericho	5,637	669	15,176	49,465	88,398
E/Marakwet	1,955	895	1,078	4,010	36,188
Meru	2,517	2,410	622	10,122	27,477
Nyeri	3,272	4,341	1,296	11,753	13,742
Baringo	3,272	684	1,750	3,813	10,551
Uasin Gishu	2,013	5,256	4,218	4,349	8,501
Narok	2,677	1,197	1,297	3,215	7,603
Kisii	3,523	1,203	1,540	3,067	5,697
Laikipia	5,033	1,385	10,123	17,836	2,530
Nyamira	705	891	1,382	1,872	2,205
Kiambu	755	1,191	701	688	664
Nandi	1,207	82	162	83	304
Bungoma	352	9,750	401	60	0
Trans Nzoia	604	18	14	0	0
Total	302,893	284,914	500,564	941,872	1,680,001

*Provisional

Source: AFA Miraa Pyrethrum and Other Industrial Crops Directorate

Table 4.23: Summary of Dry Flowers Production and Value, 2019-2023

Year	Unit	2019	2020	2021	2022	2023*
Area	Acres	8,280	7,759	3,777	4,000	9,362
Production (dry flowers)	Tonnes	302.9	284.9	500.1	943.9	1,680
Average Price	KSh/Kg	217.7	200.0	213.0	250.0	305.0
Value	KSh Million	65.9	57.0	106.5	236.0	512.4

*Provisional

Source: AFA Miraa Pyrethrum and Other Industrial Crops Directorate

Table 4.24 presents the volume, price and value of pyrethrum extract for the last five years. During 2023, there was a rebound in the production and value of pyrethrum extract. The volume of production increased by 36.5 per cent from 22.2 tonnes in 2022 to 30.3 tonnes

in 2023. The year 2023 reported an increase of prices at KSh 37,500 per kilogram compared to KSh 27,000 in the year 2022. This price increase was attributed to the appreciation of Kenya shillings against the US dollar.

Table 4.24: Volume, Price and Value of Pyrethrum Extract, 2019 -2023

	Unit	2019	2020	2021	2022	2023*
Production	Tons	7.4	5.7	11.5	22.2	30.3
Average Price	KSh/Kg	24,999.3	23,151.4	25,000.0	27,000.0	37,500.0
Value	KSh Million	185.3	131.9	287.5	598.1	1,136.2

*Provisional

Source: AFA Miraa Pyrethrum and Other Industrial Crops Directorate

4.6 Bixa

Annatto is an orange-red condiment and food coloring derived from the seeds of the achiote tree (*Bixa orellana*) native to tropical regions from Mexico to Brazil. It is locally known as "*mrangi*", for its bright red fruits that have numerous seeds. Bixa is a cash crop introduced into Kenya's Coast region in the 1970s. The major markets for annatto is the United States of America, Western Europe and Japan. Since 1980s, trade in annatto extracts has been increasing with the water soluble norbixin extract being largest in volume, followed by vegetable oil extracts and solvent-extracted bixin.

The main commercial producers of Bixa are countries in Latin America (Peru, Brazil and Mexico) which constitute 60 per cent of total world production, Africa (27per

cent) and Asia 12 per cent. Kenya is the second-largest exporter of Bixa after Peru.

The limited use of synthetic food colours has triggered a high demand for Bixa in the world market. This has been demonstrated by the increase in prices for the product at the farm gate where farmers are currently selling the produce to the Bixa processors at farm gate price ranging from KSh 50 per Kg to KSh 70 per Kg.

In Kenya Bixa is grown in Lamu, Kwale, Tana River, Elgeyo Markwet, Baringo, Makueni, Homabay and Kilifi counties. Other potential counties include Embu, Kitui, Narok, Wajir, Nakuru, Bomet, Machakos, Nyandarua, Vihiga, Nyamira and Trans Nzoia. The total area under the crop



Table 4.25: Area under Bixa by county in acres, 2023

County	Number of Growers	Acreage
Lamu	775	1,836.4
Kwale	1,282	1,461.0
Tana River	14	22.0
Elgeyo Marakwet	3	5.5
Baringo	6	5.0
Makueni	2	4.0
Homabay	7	3.8
Kilifi	3	3.8
Total	2,092	3,341.5

Bixa Production

Table 4.26 presents the monthly Bixa seeds production for 2022 and 2023. In the year 2023, a total of 2,033.6 tonnes of Bixa seeds were collected by the Bixa processors. This represents 53.0 per cent increase as compared to 1,329.0 tonnes collected in the year 2022.

Table 4.26: Monthly Bixa Seeds produced, 2022-2023 in Kgs

Kilograms

Month	2022	2023*
January	26,000	165,000
February	40,000	211,200
March	82,000	274,678
April	90,000	252,858
May	83,000	181,629
June	-	217,375
July	-	7,490
August	-	100,652
September	60,000	76,413
October	500,000	189,225
November	328,301	208,560
December	119,645	148,500
Totals	1,328,946	2,033,580

*Provisional

Norbixin production

Bixa seeds undergo processing to extract the coloring pigment using different methods such as fermentation, direct extraction, use of organic solvents and modern supercritical fluid extraction. Norbixin and bixin are the two major products produced during Bixa seed processing. Table 4.27 shows the monthly production of Norbixin

over the periods 2022 and 2023. Overall, there was a significant increase in Norbixin production from 38.7 tonnes in 2022 to 69.9 tonnes in 2023. During 2022 the months that registered higher production were January, November and December while in 2023 March, October and November reported the highest performance.

Table 4.27: Norbixin Produced 2022-2023 in Kgs.

Month	Kilograms	
	2022	2023*
January	7,000	5,000
February	1,200	6,000
March	2,500	9,100
April	4,000	6,700
May	3,500	7,000
June	-	6,400
July	-	-
August	-	1,200
September	-	5,000
October	5,000	8,000
November	8,000	9,000
December	7,500	6,500
Total	38,700	69,900

*Provisional

Bixa Export

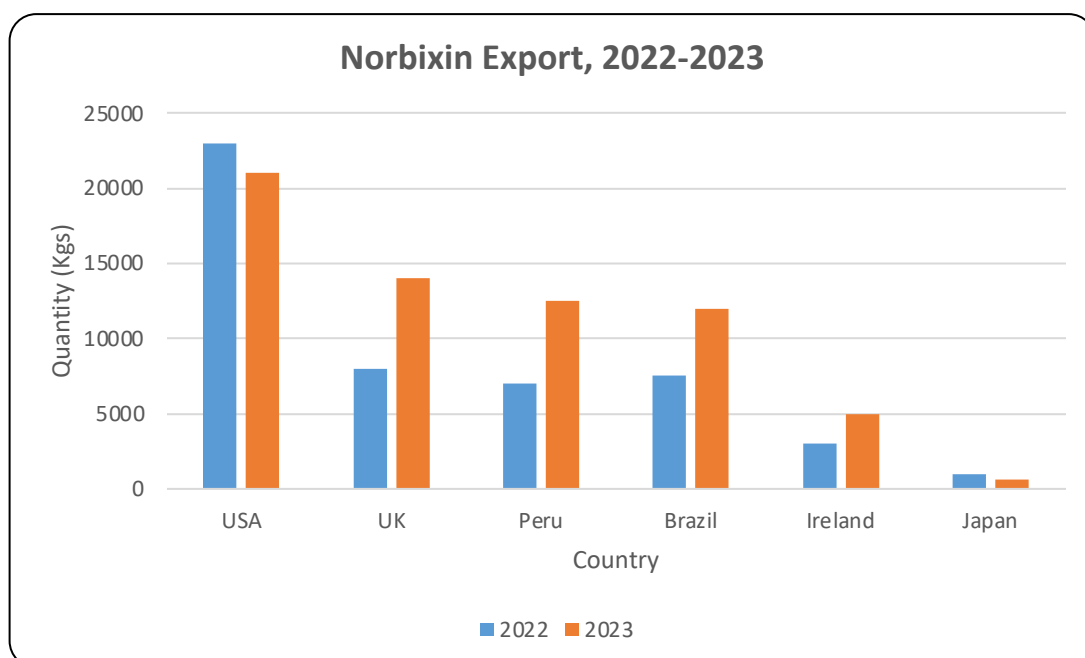
Norbixin

As shown in table 4.28 and Figure 4.4, a total of 65.1 tonnes of Norbixin was exported to United States of America, Peru, United Kingdom, Japan, Brazil and Ireland in the year 2023. This recorded a 31.5 per cent increase in quantity exported compared to 2022 which was mainly attributed to a higher global demand for the product.

Table 4.28: Norbixin exports in Kilograms

Destination	Kilograms	
	2022	2023*
USA	23,000	21,000
UK	8,000	14,000
Peru	7,000	12,500
Brazil	7,500	12,000
Ireland	3,000	5,000
Japan	1,000	600
Total	49,500	65,100

*Provisional

Figure 4.4: Norbixin Export Destinations 2022-2023


Bixin

Bixin is an apocarotenoid found in the seeds of the achiote tree (*Bixa orellana*) from which it derives its name. It is commonly extracted from the seeds to form annatto, a natural food coloring, containing about 5 per cent pigments of which 70 to 80 per cent are bixin. Table 4.29 presents the monthly Bixin exports for 2023. During the period, a total of 16.0 tonnes of bixin was exported to Brazil.

Table 4.29: Bixin Export in Kgs for 2023

Month	2023	Month	2023
January	-	August	-
February	4,000	September	4,000
March	-	October	-
April	4,000	November	-
May	-	December	4,000
June	-	Total	16,000
July	-		





4.7 Tea

Tea is an industrial crop grown in the highlands located within the West and East of Rift-valley. The crop mainly does well on higher altitude of between 1,500 metres and 2,700 metres above Sea Level. The tea growing highlands are spread across 19 tea-growing counties that include Kericho, Bomet, Nandi, Nyamira, Kisii, Nakuru, Trans-Nzoia, Kakamega, Narok, Elgeyo Marakwet, Bungoma and Vihiga in the West of Rift-valley. In the East of Rift-valley, tea is grown in Murang'a, Kiambu, Meru, Nyeri, Kirinyaga, Embu, and Tharaka-Nithi counties. The growing conditions for tea include tropical volcanic red soils and favourable weather patterns that have well-distributed rainfall of between 1,200 mm to 1,400 mm per annum. Unlike other countries, Kenya produces tea year-round with minimal seasonal variations in quantity owing to its location along the equator.

Tea Production

Tea production is a rural based economic activity undertaken by Smallholder as well as Estate farmers

who pluck and deliver their green-leaf to various tea manufacturing factories through tea buying centres within their respective catchments. During the year 2023, the quantity of manufactured tea was higher by 6.6 per cent at 570.3 million Kgs against 535.0 million Kgs for the year 2022. This was the highest quantity of manufactured tea realized over the last five years due to good crop attributed to favourable weather conditions characterized by "Above-normal" mean rainfall recorded in the two rainfall seasons ("Long rains"-March to May and "Short rains"- October to December). Production at the farm level was also boosted by application of fertilizer through the Government fertilizer subsidy program to improve agricultural productivity under the Bottom-Up Economic Transformation Approach (BeTA). During the year, 97,974 MT of fertilizer was distributed to 834,129 tea farmers at a subsidized rate of Ksh 2,500 per 50 Kg Bag. Other factors that supported growth in production included licensing of additional processing factories in tea growing areas that had processing capacity potential with a view to reducing on the post-harvest losses.

Table 4.30: Smallholder and Estates Production of Made Tea and Greenleaf in Kgs 2019-2023

1, Made Tea	2019	2020	2021	2022	2023
Smallholder	258,111,645	322,621,361	284,818,579	272,826,363	278,512,230
Estates	200,741,304	246,914,115	253,014,260	262,217,332	291,747,948
Total	458,852,949	569,535,476	537,832,839	535,043,695	570,260,178

*Provisional

Source: Tea Board of Kenya

Table 4.31: Made Tea Production by county in Kenya, 2019 -2023 in Kilograms

COUNTY	2019	2020	2021	2022	2023*
WEST OF RIFT					
Kericho	85,540,642	102,580,820	102,421,046	101,868,782	104,846,091
Bomet	80,542,972	91,506,860	92,503,333	97,164,045	110,665,892
Nandi	67,006,156	92,700,447	89,577,980	87,013,756	97,681,320
Nyamira	33,487,196	41,461,354	38,882,810	37,842,685	39,302,809
Kisii	19,794,854	23,630,551	18,594,477	19,867,507	18,607,195
Nakuru	4,004,614	5,128,681	5,294,344	7,942,148	8,499,321
Trans-Nzoia/Bungoma	3,712,039	3,654,632	2,705,133	2,576,508	2,960,097
Kakamega/Vihiga	3,549,444	3,322,126	2,564,670	2,122,084	2,449,845
Narok	-	3,237,154	3,157,342	3,109,657	3,748,278
Elgeyo Marakwet	-	1,258,509	2,532,537	2,352,684	2,062,108
Sub-Total West	297,637,917	368,481,135	358,233,672	361,859,856	390,822,957
EAST OF RIFT					
Muranga	42,371,117	53,666,315	48,806,191	47,471,194	47,260,212
Kiambu	38,109,742	47,998,529	41,439,513	39,427,425	38,992,088
Meru	27,367,857	32,158,861	29,489,388	31,756,603	32,776,592
Nyeri	19,235,307	24,860,707	22,522,871	19,313,744	21,669,900
Kirinyaga	17,941,192	22,592,750	20,775,793	18,223,513	20,928,919
Embu	11,957,213	14,764,654	12,459,102	12,574,749	13,150,541
Tharaka - Nithi	4,232,604	5,012,526	4,106,309	4,416,613	4,658,970
Sub-Total East	161,215,032	201,054,342	179,599,167	173,183,840	179,437,221
Grand Total	458,852,949	569,535,476	537,832,839	535,043,695	570,260,178

*Provisional

Source: Tea Board of Kenya



Figure 4.5: Processed/Made Tea `000 (Kgs), 2022-2023.

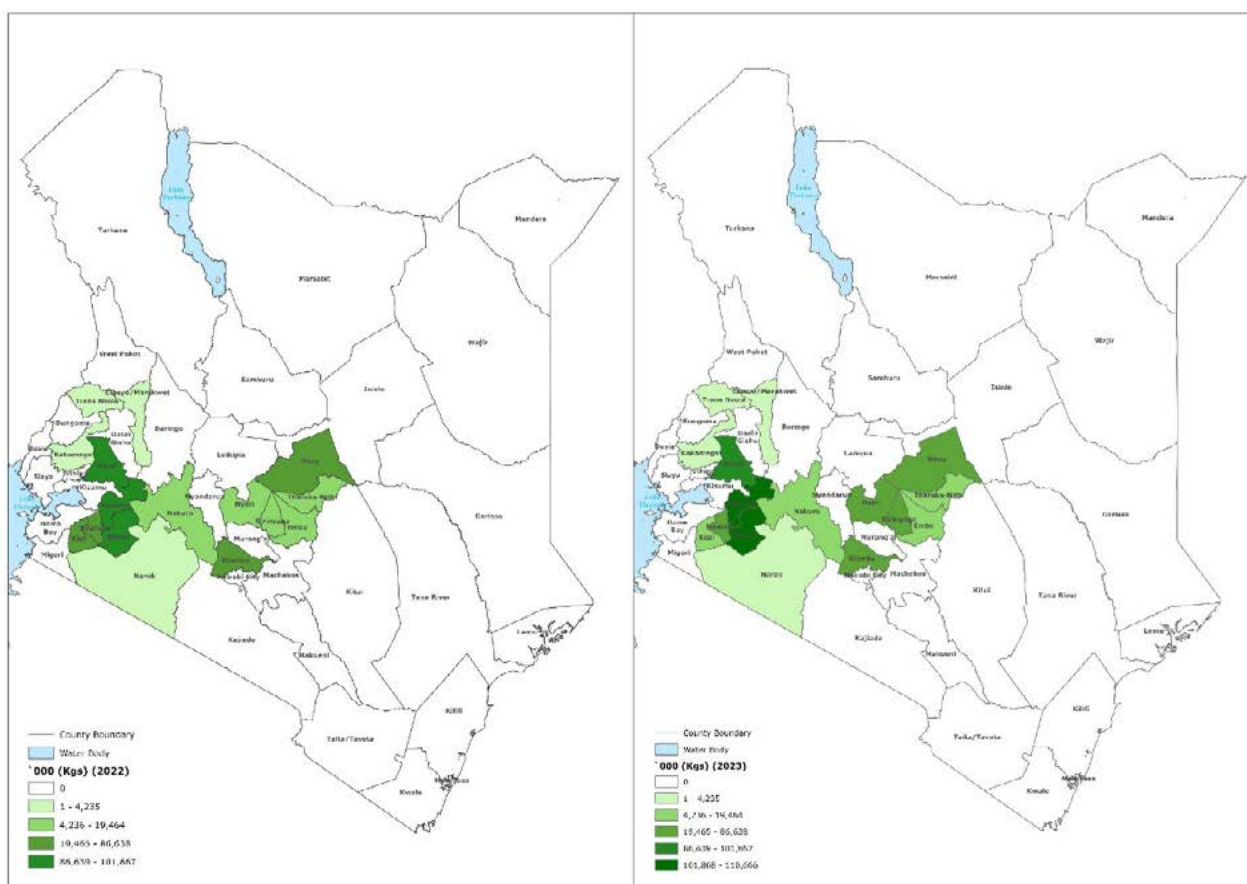


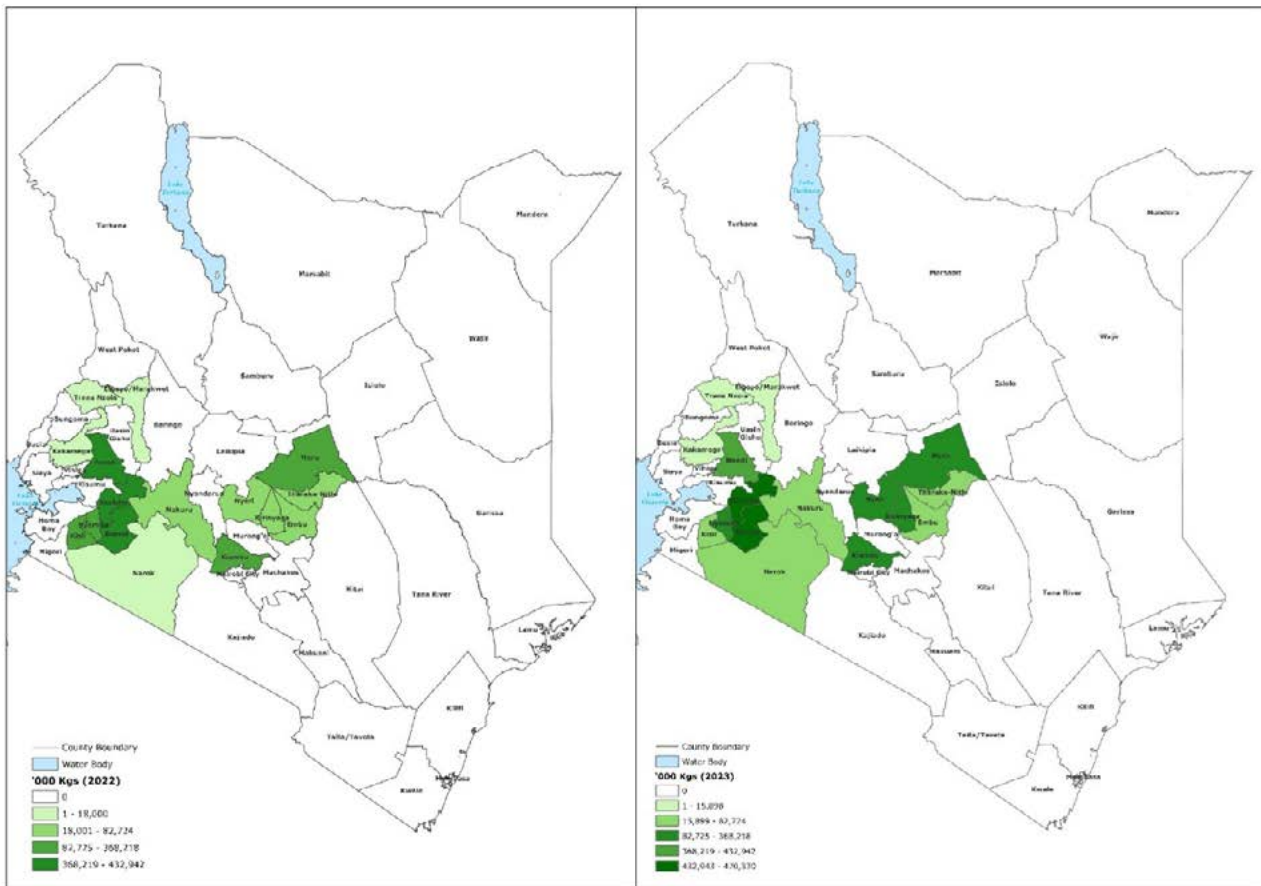
Table 4.32: Green leaf Tea Production by county in Kenya, 2019 -2023 in Kilograms

COUNTY	2019	2020	2021	2022	2023
WEST OF RIFT					
Kericho	363,547,729	435,968,487	435,289,445	432,942,324	445,595,887
Bomet	342,307,630	388,904,155	393,139,166	412,947,191	470,330,041
Nandi	284,776,163	393,976,902	380,706,414	369,808,464	415,145,611
Nyamira	142,320,583	176,210,755	165,251,944	160,831,410	167,036,937
Kisii	84,128,130	100,429,842	79,026,525	84,436,904	79,080,581
Nakuru	17,019,610	21,796,894	22,500,962	33,754,129	36,122,114
Trans-Nzoia	15,776,166	15,532,186	11,496,816	10,950,158	12,580,413
Kakamega	15,085,137	14,119,034	10,899,848	9,018,857	10,411,841
Narok	-	13,757,905	13,418,704	13,216,042	15,930,182
Elgeyo Marakwet	-	5,348,663	10,763,282	9,998,907	8,763,959
Sub-Total West	1,264,961,146	1,566,044,823	1,522,493,106	1,537,904,386	1,660,997,566
EAST OF RIFT					
Muranga	180,077,249	228,081,839	207,426,312	201,752,575	200,855,899
Kiambu	161,966,403	203,993,750	176,117,931	167,566,554	165,716,372

COUNTY	2019	2020	2021	2022	2023*
Meru	116,313,392	136,675,160	125,329,901	134,965,561	139,300,516
Nyeri	81,750,055	105,658,005	95,722,202	82,083,412	92,097,075
Kirinyaga	76,250,066	96,019,187	88,297,120	77,449,931	88,947,907
Embu	50,818,155	62,749,779	52,951,182	53,442,682	55,889,799
Tharaka - Nithi	17,988,567	21,303,236	17,451,813	18,770,605	19,800,623
Sub-Total East	685,163,888	854,480,955	763,296,461	736,031,319	762,608,191
Grand Total	1,950,125,033	2,420,525,778	2,285,789,566	2,273,935,706	2,423,605,757

*Provisional
Source: Tea Board of Kenya

Figure 4.6: Green Leaf production `000 (Kgs), 2022-2023.



Area under Tea

The area under tea cultivation in Kenya saw a modest increase of 2,023.43 hectares in 2023, reaching a total of 227,776.69 hectares compared to 225,753.26 hectares under tea in 2022. This limited growth is due to the scarcity of suitable agro-ecological area for tea planting in the Kenyan highlands due to population pressure and competition from other enterprises. The West of Rift accounts for 69per cent of the area under tea, while the

area under tea in the East of Rift is 31per cent. Bomet County has highest area under at 45,375.00 hectares which represents 19.9per cent of the total area. Other counties which account for the high area under tea include Kericho and Nandi at 40,981.00 hectares and 37,595.00 hectares, respectively. Narok, Trans-Nzoia/Bungoma, Elgeyo Marakwet, and Kakamega/Vihiga have the least area under tea at less than 2,000 hectares each.

Table 4.33: Area under tea per county in Kenya (2019 -2023) in Hectares

COUNTY	2019	2020	2021	2022	2023
Kiambu	17,273.6	17,807.9	18,358.6	19,096.0	19,096.0
Muranga	15,683.7	16,168.8	16,668.9	17,338.0	17,338.0
Meru	11,427.5	11,780.9	12,145.3	12,633.0	12,633.0
Tharaka - Nithi	1,628.8	1,679.2	1,731.1	1,801.0	1,801.0
Nyeri	7,094.9	7,314.3	7,540.5	7,843.0	7,843.0
Kirinyaga	7,477.0	7,708.3	7,946.7	8,266.0	8,266.0
Embu	4,185.8	4,315.3	4,448.8	4,627.0	4,627.0
Kericho	37,070.3	38,216.8	39,398.7	40,312.0	40,981.0
Bomet	41,044.9	42,314.4	43,623.1	44,635.0	45,375.0
Trans - Nzoia/Bungoma	990.5	1,021.2	1,052.7	1,095.0	1,095.0
Kakamega/Vihiga	815.8	841.1	867.1	902.0	902.0
Nandi	34,006.7	35,058.5	36,142.8	36,981.0	37,595.0
Nyamira	14,548.3	14,998.2	15,462.1	16,083.0	16,083.0
Kisii	7,637.9	7,874.1	8,117.6	8,444.0	8,444.0
Nakuru	3,053.3	3,147.7	3,245.1	3,375.0	3,375.0
Narok	1,195.5	1,232.5	1,270.6	1,322.0	1,322.0
Elgeyo Marakwet	904.5	932.4	961.3	1,000.0	1,000.0
Total	206,038.9	212,411.3	218,980.7	225,753.3	227,776.7

Tea Auction

During the year 2023, Kenya tea offered at the auction stood at 592.29 Million Kgs, which was higher compared to 506.47 Million Kgs in 2022. However, the absorption rate for tea on offer at the Auction was lower at an average of 60per cent compared to 76per cent in the previous year and 84per cent in 2021 with the most affected teas being from the West of Rift for most of

the grades and BP1 grade across all factories following low market penetration in Russia and Iran markets. Consequently, the average auction price for Kenya tea in the year 2023 was lower at 2.24 USD per Kg against 2.49 USD realized in 2022 but higher compared to 2.10 USD in 2021.

Table 4.34: Auction prices for tea in USD/Kg, 2019 to 2023

MONTH	2019	2020	2021	2022	2023*
January	2.28	2.29	2.02	2.68	2.33
February	2.17	2.13	2.11	2.73	2.31
March	2.13	1.99	1.99	2.59	2.39
April	2.17	2.09	1.89	2.53	2.38
May	2.35	1.98	1.91	2.41	2.26
June	2.19	1.86	1.82	2.44	2.08
July	1.99	1.81	1.74	2.37	2.06
August	2.09	2.02	2.09	2.39	2.25
September	2.21	2.02	2.21	2.36	2.25
October	2.33	1.98	2.41	2.46	2.16
November	2.31	1.97	2.51	2.49	2.17
December	2.21	1.94	2.55	2.39	2.19
Average	2.20	2.01	2.10	2.49	2.24

*Provisional

Source: Tea Board of Kenya

Tea Exports

Tea is majorly an export crop with exports accounting for over 90per cent of the total production. During the year 2023, the total export volume increased by 16per cent (72.58 Million Kgs) from 450.33 Million Kgs recorded in 2022 to 522.92 Million Kgs. Increased exports was attributed to improved demand in some of the traditional, emerging and new markets. During the year, tea was consigned to ninety-two (92) export destinations compared eighty-two (82) in the year 2022. The biggest market for Kenya tea continued to be Pakistan having imported 209.59 Million Kgs, which accounted for 40per cent of the total export volume. New markets included Chad, South Sudan, Vietnam,

Cameroon, Ethiopia, Central African Republic, Lebanon, Turkmenistan, Belarus, Venezuela, El Salvador, Gambia, Uganda, Malta, Malawi and Hungary. Owing to increased volume of exports coupled with favourable exchange rate to the USD and stable prices, the export earnings from tea reached a record of KSh. 180.57 Billion from KSh. 138.09 Billion the previous year. However, most of the markets were affected by the global economic recession occasioned by the effects of Russia-Ukraine conflict leading to reduced purchasing power. Exports to Sudan, which is a major key market for Kenya tea were affected by internal conflict facing the country. Consequently, the export unit price was slightly lower in dollar terms at USD 2.47 per Kg compared to USD 2.62 in the previous year. However, due to favourable exchange rate of KSh to the USD at an average of 139.85 compared to 117.87 in the previous year, the unit export price was much higher at KSh. 345.32 compared to KSh. 306.64 in the previous year. In accordance with the BeTA commitment to enhance the value of Kenya tea exports through branding and value addition, the volume of tea exported in value added form was much more enhanced from 8.74 Million Kgs in 2022 to 26.14 Million Kgs. The number of markets that imported tea in value added form also increased from 34 to 51.

90%

Tea is majorly an export crop with exports accounting for over 90per cent of the total production. Total export volume increased from 450.33 Million Kgs recorded in 2022 to 522.92 Million Kgs.

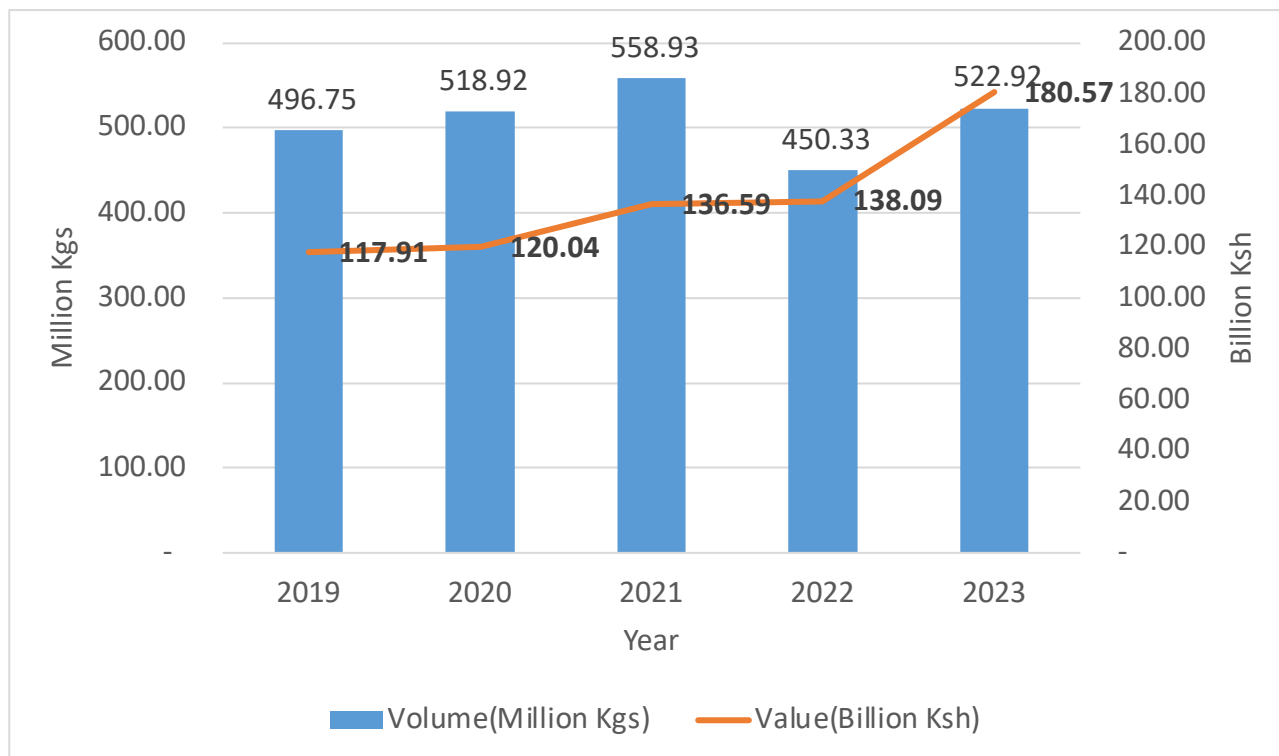


Table 4.35 Tea Exports by Destination in Kgs (2019 to 2023)

	DESTINATION	2019	2020	2021	2022	2023*
1	Pakistan	176,387,270	186,135,080	212,506,120	181,980,074	206,271,322
2	Egypt	98,683,521	91,852,497	98,515,709	64,998,938	73,104,831
3	UK	46,135,925	50,192,607	49,062,965	38,617,720	46,626,378
4	UAE	24,568,284	24,630,854	29,657,850	28,955,732	28,934,756
5	Yemen	15,872,856	15,868,535	15,663,468	16,797,852	21,959,749
6	Russia	17,912,901	25,146,877	29,612,103	19,124,830	18,057,937
7	Iran	6,330,394	3,152,464	6,236,729	4,889,495	14,475,661
8	Sudan	22,059,022	20,977,570	28,172,087	20,019,217	12,728,109
9	Afghanistan	11,398,177	4,195,579	2,334,856	7,114,948	10,709,681
10	Poland	5,621,237	8,316,988	9,074,514	6,867,004	8,560,345
11	Saudi Arabia	6,584,424	7,194,819	3,331,197	6,080,706	7,628,717
12	Jordan	3,126,883	7,965,355	2,378,500	3,744,100	6,525,040
13	Ireland	3,898,996	3,949,391	4,933,247	5,166,708	6,015,600
14	Kazakhstan	9,419,118	11,341,578	11,729,790	7,577,693	5,968,167
15	India	2,801,991	6,096,320	4,679,815	2,343,239	5,360,557
16	China	2,426,214	4,668,655	5,131,324	1,810,104	4,574,218
17	Somalia	3,485,093	2,377,932	1,160,747	1,494,541	3,996,502
18	Switzerland	3,799,070	2,315,801	4,679,520	2,525,873	3,687,644
19	Malaysia	2,231,701	2,686,477	2,473,139	2,239,926	3,060,886
20	Nigeria	4,278,609	5,742,624	5,611,895	4,265,957	2,949,522
	SUB-TOTAL	467,021,686	484,808,004	526,945,574	426,614,655	491,195,623
	OTHERS	29,733,191	34,112,933	31,979,702	23,719,519	31,719,568
	TOTAL	496,754,877	518,920,937	558,925,276	450,334,174	522,915,191

*Provisional



Figure 4.7: Kenyan Tea Export Trend by Volume and Value (2019-2023)


Local Tea Sales

During the year 2023, cumulative sales in the local market was slightly higher at 37.94 Million Kgs against 36.35 Million Kgs for 2022 but lower compared to 38.59 Million Kgs for the year 2021. The sale of tea in the domestic market generated KSh. 16.4 Billion.

Table 4.36: Tea sales in the Local market in Kgs (2019 to 2023)

* MONTH	2019	2020	2021	2022	2023*
January	4,117,412	3,574,886	3,089,272	2,728,397	3,195,858
February	3,457,365	3,330,969	2,925,729	2,069,253	2,924,118
March	3,121,522	3,167,293	3,187,828	3,261,450	2,982,376
April	2,866,580	3,440,438	2,755,837	2,439,598	2,959,126
May	3,511,046	3,592,038	3,164,644	2,458,272	3,270,660
June	4,157,480	3,399,536	3,351,413	2,999,245	2,764,346
July	2,853,930	3,657,782	3,162,493	3,270,153	3,410,146
August	3,853,796	3,153,723	3,237,250	2,806,631	3,650,423
September	3,257,624	3,981,757	3,143,938	3,369,408	2,897,821
October	3,096,814	3,206,986	3,128,008	3,761,026	3,273,934
November	3,484,093	3,727,741	3,501,788	3,458,086	3,254,930
December	2,651,413	3,632,914	3,946,304	3,731,289	3,360,316
TOTAL	40,429,075	41,866,063	38,594,504	36,352,809	37,944,053

*Provisional





Nuts & oil crops

The favorable weather conditions led to the expansion of the area under most crops and improved crop production. This was further enhanced by the government intervention through the fertilizer subsidy program.

Performance of nuts and oil crops

There was a general increment in the production of most nuts and oil crops in 2023. Similarly export earnings also recorded improvements as a result of increased production and better prices.

The total production of macadamia increased by 8.6 per cent from 40.9 thousand tonnes(nuts-in-shell) recorded in 2022 to 44.4 thousand tonnes in 2023. A total of 15.2 thousand tonnes valued at KSh 7.1 billion of macadamia kernels were exported in 2023 predominantly to China and US markets. However, there was a decrease in the value of exports despite the increase in volumes exported attributed to low global macadamia kernel prices.

The area under coconut increased from the 73.3 thousand hectares reported in 2022 to 74.0 thousand hectares. Similarly,

there was a marked increase in the quantity of nuts produced from 71.7 thousand tonnes to 81.7 thousand tonnes valued at KSh 9.4 billion. This was due to favourable weather conditions with improved rainfall experienced towards the end of the year 2022. In the year under review, the area under the cashew nuts was estimated at 24.4 thousand hectares with an annual production of 9.0 thousand tonnes valued at KSh 451.6 million. A total of 431.8 tonnes of cashew kernel valued at KSh 326.4 million was exported to largely to Europe and Asia. One kilogram of cashew nuts exchanged for an average of USD 5.4 per Kg.

In the year under review, the area under peanut production increased from 13.2 thousand tonnes in 2022 to 16.6 thousand tonnes this was a result of an increase in the area under the crop. There was a significant decline

in the area under Bambara groundnut from 209 hectares reported in 2022 to 147 hectares in 2023. The decline in acreage resulted in a decline in yields from 528 tonnes in 2022 to 389.7 tonnes in 2023 representing a 35.7 per cent decline.

The total area under sesame increased from 5,352 hectares reported in 2022 to 5,943 hectares reported in 2023. Despite the increase in the area under sesame, there was no significant increase in production due to infestation by pod borer pests that destroyed pods. In 2023, 573 tonnes of sesame seeds valued at KSh 106 million were exported to Saudi Arabia, UAE, and Yemen and 41.2 tonnes of sesame oil was exported to Germany and Belgium.

In the year 2023, Kenya imported a total of 921.5 thousand tonnes of edible oil valued at KSh 139.1 billion.

Macadamia

In the year under review, the total production increased by 8.6 per cent from 40.9 thousand tonnes (nut-in shell) in 2022 to 44.4 thousand tonnes. This is attributed to increased harvests in the non-traditional growing regions.

Despite the increasing potential for macadamia nuts, the industry faces several challenges including international price fluctuations, immature harvesting and insect damage. The industry is currently facing the commodity price super-cycle where global and local macadamia nut prices have fallen to the lowest in more than 10 years. To cushion farmers against the low prices, the government lifted the ban on the export of raw macadamia nuts for one year.

The industry is currently facing the commodity price super-cycle where global and local macadamia nut prices have fallen to the lowest in more than 10 years.




Table 5.1: Area under Macadamia nuts, Production and the Value, 2022-2023

County	Area (Ha)					Quantity (Tonnes)					Values (Ksh million)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Murang'a	4,670.0	4,673.0	1,893.0	2,352.0	2,355.0	11,057.0	10,823.0	11,546.0	10,963.0	11,108.0	1,547.0	692.6	577.3	602.9	666.5
Meru	2,823.0	2,827.0	1,146.0	1,382.0	1,390.0	6,711.0	6,614.0	6,992.0	6,664.0	7,530.0	973.0	390.2	461.5	466.4	451.8
Embu	2,811.0	2,813.0	736.0	1,099.0	1,101.0	6,802.1	6,801.0	4,487.0	4,723.0	5,337.0	884.3	342.8	300.7	330.6	320.2
Kiambu	2,046.0	2,051.0	833.0	992.0	994.0	4,981.3	4,711.0	5,080.0	4,759.0	5,105.0	757.2	306.2	309.8	285.5	306.3
Kirinyaga	1,731.0	1,734.0	705.0	877.0	879.0	3,959.6	3,912.0	4,300.0	4,076.0	4,301.0	593.0	215.2	249.4	224.1	258.1
Nyeri	1,002.0	1,005.0	409.0	488.0	487.0	2,068.1	2,011.0	2,497.0	2,314.0	2,615.0	285.0	100.6	152.3	150.4	156.9
Tharaka Nithi	594.0	597.0	244.0	272.0	281.0	1,413.1	1,390.0	1,487.0	1,469.0	1,660.0	203.0	73,654.0	93.7	102.8	99.6
Machakos	335.0	337.0	244.0	153.0	154.0	809.5	821.0	819.0	847.0	957.0	109.0	47.6	49.0	50.8	57.4
Nyandarua	322.0	325.0	133.0	142.0	143.0	726.1	722.0	810.0	767.0	867.0	907.0	34.7	38.8	42.1	52.0
Baringo	202.0	205.0	83.0	89.0	92.0	480.8	481.0	509.0	504.0	570.0	67.0	21.6	25.4	30.2	34.2
Busia	184.0	184.6	46.0	52.0	59.0	0.7	1.1	5.0	5.0	6.0	91.0	30.0	245.0	275.0	0.3
Taita Taveta	179.0	181.0	74.0	78.0	79.0	429.4	446.0	454.0	453.0	512.0	69.0	24.1	23.1	27.1	30.7
Trans-Nzoia	121.0	121.0	490.0	490.0	506.0	56.0	59.0	2,988.0	2,839.0	3,208.0	7.2	3.0	158.3	170.3	192.5
E. Marakwet	106.0	108.0	44.0	56.0	57.0	39.0	41.0	68.0	52.0	59.0	5.1	2.1	4.0	3.3	3.5
Makueni	101.0	102.0	43.0	46.0	47.0	42.0	45.0	65.0	46.0	52.0	5.5	2.1	3.3	2.9	3.1
Uasin-Gishu	92.0	95.0	45.0	56.0	63.0	37.0	44.0	70.0	50.0	57.0	5.1	2.4	3.9	3.0	3.4
Others	270.0	281.0	117.0	123.0	139.0	202.0	211.0	354.0	372.0	420.0	26,866.0	11.6	16.6	20.5	25.2
TOTAL	17,589.0	17,639.6	7,285.0	8,747.0	8,826.0	39,814.7	39,133.1	42,531.0	40,903.0	44,364.0	33,374.3	75,880.8	2,712.1	2,787.9	2,661.8

Source: AFA-Nuts and Oil Crops Directorate

Coconut

The area under coconut slightly increased from the 73.3 thousand hectares reported in 2022 to 74.0 thousand hectares as shown in Table 6.1.2. Similarly, there was a marked increase in the quantity of nuts produced from 71.7 thousand tonnes in 2022 to 81.7 thousand tonnes

valued at KSh 9.4 billion in 2023. This was attributed to favorable weather conditions with improved rainfall experienced towards the end of the year 2022. In 2023, high and well-distributed rainfall was received throughout the year in most coconut-growing counties.

Table 5.2: Area under coconut, Production and Value, 2022-2023

County	Area (ha)					Quantity(MT)					Value (Kshs.) Millions				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Kilifi	41,432.0	41,470.0	35,664.0	32,602.0	32,815.0	52,853.2	52,913.0	39,640.0	30,126.0	33,138.0	2,219.8	2,384.0	2,378.4	3,623.7	3,986.0
Kwale	31,358.0	31,384.0	30,873.0	29,455.0	29,695.0	46,226.8	46,240.0	37,906.0	32,599.0	39,119.0	2,126.4	2,139.0	2,426.0	3,679.1	4,414.9
Lamu	10,713.0	10,722.0	9,864.0	10,038.0	10,178.0	6,770.5	6,792.0	5,584.0	6,142.0	6,449.0	304.7	322.0	446.7	614.2	644.9
Tana River	1,066.0	1,070.0	925.0	951.0	1,015.0	822.1	849.0	707.0	792.0	838.0	37.0	35.3	56.6	79.1	83.7
Mombasa	156.0	158.0	145.0	137.0	145.0	2,343.8	2,361.0	1,992.0	1,434.0	1,463.0	103.1	122.0	159.4	175.7	179.4
Taita Taveta	99.0	102.0	94.0	103.0	143.0	872.9	858.0	725.0	629.0	660.0	37.5	36.1	58.0	62.6	65.7
TOTAL	84,824.0	84,906.0	77,565.0	73,286.0	73,991.0	109,889.3	110,013.0	86,554.0	71,722.0	81,667.0	4,828.5	5,038.4	5,525.1	8,234.4	9,374.6

Source: AFA-Nuts and Oil Crops Directorate



**KSh
9.4 Billion**

The value of 81.7 thousand tonnes of nuts produced in 2023 against 71.7 thousand tonnes in 2022.

Coconut Market Performance

The most commonly traded produce of the coconut tree are mature coconuts, toddy (coconut wine), tender coconut water (madafu), makuti and brooms. In 2023, the farm gate price per piece of mature coconut ranged from KSh 30.0 to KSh 50.0 while the market prices ranged between KSh 40 to KSh 100, depending on size.



Cashew nut

Cashew is a versatile crop for arid and semi-arid areas predominantly grown in coastal region particularly Mombasa, Kwale, Kilifi, Tana River, Lamu and Taita Taveta Counties. Cashew is one of the oldest cash crops in the region having provided livelihoods to the majority of households. Other upcoming counties with promising potential are Tharaka Nithi, Meru, Embu, Makueni, Busia and Siaya.



Cashew Production

In 2023, the area under cashew nut increased by 6.1 per cent attributed to initiatives by various institutions to revitalize the cashew nut sector. Nuts and Oil Crops Directorate (NOCD) in collaboration with Kenya Agricultural and Livestock Research Organization (KALRO) has been distributing selected high-quality cashew seedlings to farmers in the production zones. The seedlings are highly subsidized to encourage uptake and also as a way of promoting cashew outside the traditional production areas.

There are positive industry prospects as a result of cashew farming expansion to other regions outside the coastal region in Makueni, Kitui, Machakos, Embu and Tharaka Nithi counties hence an increase in production from 8.3 thousand tonnes reported in 2022 to 9.0 thousand tonnes in 2023.



Table 5.3: Area under cashew, Production and Value 2019-2023

County	Area (Ha)					Quantity (Tonnes)					Value (Ksh Millions)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Kilifi	9,460.0	9,445.0	9,595.0	10,254.0	10,315.0	4,779.4	4,704.3	3,387.0	3,505.0	3,525.0	244.4	165.2	162.6	168.3	169.2
Kwale	7,020.0	7,025.0	7,135.0	6,263.0	6,835.0	3,759.4	3,671.9	2,644.0	2,089.0	2,280.0	292.8	9.6	126.9	100.3	109.4
Lamu	5,438.0	5,450.0	5,559.0	5,622.0	5,794.0	3,754.0	3,802.8	2,738.0	2,327.0	2,398.0	288.6	190.1	150.6	128.0	132.0
Taita-Taveta	430.1	428.2	428.0	550.0	598.0	173.5	155.4	177.0	206.0	223.0	5.7	9.6	8.0	9.3	10.0
Tana-River	185.0	186.0	186.0	116.0	432.0	258.6	245.7	112.0	128.0	480.0	13.8	6.2	6.2	7.1	26.4
Others	153.2	155.4	255.0	255.0	463.0	76.8	87.6	63.0	77.0	91.0	5.8	4.4	3.2	3.8	4.5
Total	22,686.4	22,689.7	23,158.0	23,060.0	24,437.0	12,801.7	12,667.7	9,121.0	8,332.0	8,997.0	851.0	385.1	457.4	416.7	451.6

Source: AFA-Nuts and Oil Crops Directorate

Peanut (groundnuts)

In Kenya, peanuts are called groundnuts and locally called “Njugu Karanga” (Swahili). The crop is mainly grown in Nyanza, Western, Rift Valley, Eastern, and Coast regions. The crop is mainly grown by small-scale farmers at an average of 0.78 acres per farmer.

Peanut Production

The area under peanut production increased from 13.2 thousand hectares in 2022 to 14.9 thousand hectares in 2023 which resulted to an increase in production from 13.1 thousand tonnes in 2022 to 16.6 thousand tonnes in 2023. However, peanut productivity remains low averaging 0.45 tonnes per acre. The major contributing factors are the widespread recycling of groundnut seed for planting, poor agronomic practice and lack of farm mechanization resulting in high cost of production.



Table 5.4: Area under peanuts Production and the Value, 2019-2023

County	Area (Ha)					Quantity(Tonnes)					Value (Ksh Million)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Homa-bay	4,132.0	3,923.0	5,529.0	4,466.0	4,217.0	3,677.0	3,461.0	3,870.0	4,229.0	4,687.0	514.8	460.3	491.3	718.9	703.0
Kakamega	1,322.0	1,377.0	2,100.0	1,771.0	2,019.0	1,176.6	1,231.6	2,601.0	2,194.0	2,244.0	162.4	158.9	234.1	362.0	448.8
Migori	814.0	972.0	1,541.0	1,479.0	2,139.0	804.2	962.2	1,510.0	1,450.0	2,377.0	113.4	134.7	145.5	231.9	511.1
Kisumu	932.0	902.0	561.0	649.0	492.0	690.6	660.6	592.0	685.0	546.0	86.3	92.5	74.6	108.2	109.3
Siaya	520.0	671.0	627.0	691.0	766.0	467.4	619.4	502.0	554.0	851.0	62.6	86.7	65.8	89.1	170.2
Bungoma	644.0	591.0	760.0	719.0	780.0	716.2	665.2	854.0	808.0	867.0	88.8	86.5	105.1	120.4	173.4
Busia	670.0	515.0	940.0	541.0	401.0	745.0	601.0	846.0	487.0	445.0	100.6	78.1	93.1	70.6	80.1
E/Marakwet	5,109.0	5,002.0	339.0	459.0	284.0	5,679.0	5,872.0	329.0	446.0	315.0	709.9	822.1	35.3	62.0	63.1
Vihiga	560.0	496.0	68.0	290.0	423.0	346.0	420.0	30.0	215.0	471.0	47.7	60.9	3.9	30.8	94.1
Meru	529.0	412.0	849.0	976.0	1,698.0	522.6	405.6	764.0	879.0	1,887.0	66.4	52.7	68.7	105.4	377.4
Kisii	201.0	196.0	365.0	186.0	145.0	124.1	179.1	420.0	214.0	162.0	16.4	24.7	54.0	33.3	32.3
Tharaka Nithi	96.0	121.0	192.0	131.0	143.0	94.8	58.8	115.0	111.0	159.0	12.3	8.4	11.5	14.4	31.8
West Pokot	72.0	81.0	15.0	452.0	826.0	77.7	168.7	11.0	443.0	918.0	10.0	22.4	1.0	61.6	183.7
Trans-Nzoia	56.0	67.0	77.0	89.0	141.0	49.8	41.8	45.0	74.0	157.0	6.6	5.7	4.3	10.9	31.4
Lamu	89.0	67.0	10.0	42.0	61.0	87.9	67.9	9.0	38.0	68.0	10.9	9.4	1.4	6.5	11.5
Kwale	53.0	61.0	29.0	55.0	64.0	47.2	56.2	15.0	42.0	71.0	6.4	8.0	1.7	5.8	12.5
Baringo	75.0	52.0	98.0	38.0	20.0	66.8	45.8	87.0	34.0	22.0	8.9	6.2	9.0	4.8	3.5
Taita Taveta	26.0	22.0	14.0	22.0	62.0	19.3	14.3	10.0	21.0	69.0	2.6	2.1	1.1	3.2	13.8
Tana River	11.0	9.0	107.0	61.0	112.0	10.0	19.0	222.0	127.0	124.0	1.4	2.9	22.2	20.4	24.9
Others	54.0	61.0	53.0	71.0	106.0	61.0	54.0	66.0	89.0	118.0	8.5	8.1	7.3	12.4	23.6
TOTAL	15,965.0	15,598.0	14,274.0	13,188.0	14,899.0	15,463.2	15,604.2	12,898.0	13,140.0	16,558.0	2,036.9	2,131.3	1,430.7	2,072.5	3,099.5

Source: AFA-Nuts and Oil Crops Directorate



The value of 81.7 thousand tonnes of nuts produced in 2023 against 71.7 thousand tonnes in 2022.



Peanut Market Performance

The peanuts are commonly sold in the local market as roasted nuts. Other value-added products include; peanut flour, and oil. Peanuts, and peanut butter are also marketed as mixed nuts with cashew nuts and macadamia. Farm gate prices in the year under review ranged between KSh 150 to KSh 200 per Kg.

Bambara nut

Bambara nut is an indigenous African crop. Bambara nut is tolerant to drought, poor soils, and extreme heat making it a suitable crop for low-input production systems. Despite the high nutritional value of Bambara groundnuts, the crop's production has diminished over time due to inadequate seed supply, low yields as a result of intercropping, and inadequate agronomic practices.



Table 5.5: Area under Bambara nut Production and the Value, 2019-2023

County	Area (Ha)					Production (Tonnes)					Value (KSh Million)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Busia	230.2	197.2	71.0	77.0	25.0	1,057.2	956.0	192.0	181.0	58.4	610.0	345.1	66.2	62.4	23.4
Kakamega	87.2	61.1	83.0	98.0	83.0	517.5	477.0	192.0	255.0	217.4	173.1	143.6	68.2	90.5	87.0
Bungoma	9.3	8.2	8.0	9.0	5.0	43.0	37.0	20.0	22.0	13.4	19.5	11.5	7.2	7.9	5.3
Vihiga	10.4	7.6	11.0	12.0	17.0	36.3	32.0	30.0	35.0	50.8	21.0	10.2	10.5	12.1	20.3
Lamu	10.1	7.2	7.0	7.0	15.0	50.0	44.0	21.0	23.0	45.0	16.8	12.8	8.2	8.2	17.6
Kwale	230.2	197.2	5.0	6.0	2.0	25.0	21.0	10.0	12.0	4.8	12.2	7.4	3.7	4.4	1.9
Total	577.4	478.5	185.0	209.0	147.0	1,729.0	1,567.0	465.0	528.0	389.8	852.6	530.6	164.0	185.4	155.4

Source: AFA-Nuts and Oil Crops Directorate

Bambara nut Production

In the year 2023, there was a significant decline in the area under Bambara nut from 209.0 hectares reported in 2022 to 147.0 hectares in 2023. The decline in acreage resulted in a decline in production from 528.0 tonnes in 2022 to 390.0 tonnes in 2023 which is a significant drop of 26.1 per cent.

Bambara nut production is diminishing as a result of

its low consumption, especially among non-producing communities who are not aware of its inherent nutritional benefits. Major Bambara-production activities are concentrated in Vihiga, Kakamega, Bungoma, and Busia Counties which account for over 75 per cent of the country's total production. The marketing of Bambara nuts is largely informal within local market centers safe for aggregation for sale to consumers in urban areas.

Sesame (sim sim)

In Kenya, sesame is grown in Coastal, Western, and North Eastern Regions. The varieties grown in Kenya are local varieties that derive their names from the color of their seeds hence referred to as white, black, and brown. The white seeded varieties are mostly grown in the Western region while the black seeded varieties are in the Coast region.

Sesame (sim sim) Production

In the year under review, production of sesame seeds increased from 3.2 thousand tonnes in 2022 to 3.6 thousand tonnes, a 12.5 per cent increase. This was a result of adequate rains across the growing areas. Lamu County is the largest producer of sesame due to the fertile soils and favorable climate.



Table 5.6: Area under Sesame, production and value, 2019-2023

County	Area (Ha)	Pro-duction (Tonnes)	Area (Ha)	Pro-duction (Tonnes)	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)
	2019		2020		2021		2022		2023	
Makueni	5,250.0	6,775.0	5,250.0	6,651.1	5,250.0	6,279.2	5,250.0	6,975.5	5,250.0	6,108.4
Kilifi	4,599.0	4,681.5	4,599.0	4,674.7	5,250.0	3,639.1	5,250.0	4,220.3	5,250.0	3,752.3
Taita Taveta	12,175.0	10,234.0	12,175.0	10,975.4	11,524.0	15,615.9	11,524.0	12,564.0	11,524.0	8,789.6
Baringo	2,520.0	688.9	2,520.0	2,275.5	2,520.0	2,524.8	2,520.0	2,371.1	2,520.0	2,182.5
Nakuru	4,200.0	1747.09	4,200.0	2,947.7	4,200.0	2,905.7	4,200.0	3,005.1	5,288.0	2,678.4
Kwale	5,880.0	2,282.0	5,880.0	2,120.0	5,880.0	2,814.0	5,880.0	1,716.2	5,880.0	983.0
SUB- TOTAL ESTATES	34,624.0	25,712.6	34,624.0	29,644.4	34,624.0	30,964.6	34,624.0	30,852.1	35,712.0	24,494.2
OTHERS*	6,072.0	626.8	6,077.0	683.0	5,000.0	1,244.2	2,335.0	1,399.0	731.0	1,083.0
GRAND TOTAL	40,696.0	26,339.4	40,701.0	30,327.4	39,624.0	32,208.8	36,959.0	32,251.1	36,443.0	25,577.2

* Main counties include Kitui, Makueni, Machakos, Taita Taveta, Siaya, Baringo, Homa Bay, Migori and Kisumu (small holder).

Source: AFA - Fibre Crops Directorate

Canola (rapeseed)

Kenya canola production has increased in recent years across the country. The increased acreage has been reported in Upper Eastern, Central and Rift Valley regions. Similarly, increased production has been attributed to the high demand for high-quality canola oil and the general increased demand for edible oils. The by-product (canola cake) is also highly demanded for use in livestock feed formulation due to its high protein content. Upon advanced processing, Canola oil is also used in manufacturing biodiesel further increasing its demand. The crop is gaining fame among wheat barley

and maize farmers as a rotational crop as it improves soil conditions thus contributing to improved yields in the next crop cycle.

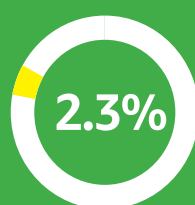
Canola (rapeseed) Production

In 2023, there was an increase of 2.3 per cent in the area under the canola from 4.4 thousand tonnes in 2022 to 4.5 thousand tonnes as shown in Table 5.7 This is due to small-scale farmers increasingly embracing canola production across the cereal-producing regions.

Table 5.7: Area under Canola, Production and Value, 2019-2023

County	Area (Ha)					Production (Tonnes)					Value (KSh Million)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Nakuru	1,115.0	1,135.0	1,157.0	1,179.0	1,192.0	3,902.5	3,915.6	4,091.0	4,267.0	4,314.0	156.1	176.2	205.0	233.0	276.0
Laikipia	1,072.0	1,100.0	1,170.0	1,240.0	1,205.0	3,752.0	3,790.0	3,811.0	3,832.0	3,723.0	150.1	170.6	171.0	172.0	275.0
Meru	405.0	504.0	720.0	836.0	842.0	1,417.5	520.1	1,944.0	2,056.0	2,071.0	56.7	20.8	89.0	158.0	407.0
Narok	243.0	259.0	237.0	215.0	244.0	850.5	870.7	832.0	793.0	890.0	34.0	39.2	37.0	36.0	274.0
Uasin Gishu	203.0	163.0	175.0	187.0	193.0	710.5	560.4	603.0	645.6	712.0	28.4	24.1	30.0	36.0	271.0
Nyeri	121.5	149.0	173.0	197.0	142.0	425.3	470.3	523.0	575.7	490.0	17.0	19.8	24.0	28.0	290.0
Trans-Nzoia	202.5	144.0	138.0	132.0	152.0	708.8	643.7	628.0	612.3	455.0	28.4	28.3	30.0	32.0	334.0
Baringo	162.0	140.0	98.0	56.0	102.0	567.0	598.0	506.0	414.0	473.0	22.7	23.9	26.0	29.0	215.0
Samburu	162.0	132.0	124.0	116.0	138.0	567.0	504.3	477.0	449.7	413.0	22.7	21.2	24.0	27.0	334.0
Nyandarua	165.0	122.0	135.0	148.0	156.0	577.5	520.2	501.0	481.8	508.0	23.1	23.4	27.0	31.0	307.0
E/ Marakwet	123.0	98.0	75.0	52.0	92.0	430.5	402.2	386.0	369.0	338.0	17.2	16.1	20.0	24.0	272.0
Bungoma	81.0	45.0	34.0	23.0	51.0	283.5	160.7	129.0	97.3	216.0	11.3	6.6	6.0	5.0	236.0
Total	4,055.0	3,991.0	4,236.0	4,381.0	4,509.0	14,192.5	12,956.2	14,431.0	14,593.4	14,603.0	567.7	570.1	689.0	811.0	3,491.0

Source: AFA-Nuts and Oil Crops Directorate



**Tonnes
4.5 Thousand**

The increase was attributed due to small-scale farmers increasingly embracing canola production across the cereal-producing regions.



Canola Market performance

During the year under review, the farm gate prices ranged between KSh 60.0 and KSh 80.0. The price increase from the previous years was attributed to higher demand for canola oil. Additionally, most people are aware of the health benefits, especially among the aging and elderly creating more demand for the oil. Upcoming cottage industries press canola oil creating competition for the available produce resulting in the better prices reported.

Sunflower

Sunflower is ecologically suited to most of the Kenyan ecological zones and is produced in all regions either for cooking oil or as an animal feed supplement. Despite this, the country heavily depends on imported edible oil for cooking.

In the year under review, the Government initiated an Edible Oil Crops Promotion Project that aims at decreasing edible oil imports. The project aims at distribution of quality seeds, training on modern farming techniques and value addition, and access to market linkages. Sunflower is one of the targeted crops in the project together with canola and coconut.

In the year 2023, the area under sunflower was estimated at 7.2 thousand hectares with a production of 10.9 thousand tonnes valued at KSh 466.0 million.



Table 5.8: Area under Sunflower, Production, and Value 2023

County	Area (Ha)	Quantity (Tonnes)	Value (Ksh Million)
Homa bay	1,050	1,600	768
Migori	950	1,400	630
Bungoma	939	1,487	550
Siaya	815	1,217	487
Laikipia	704	1,100	462
Narok	638	950	380
Busia	610	910	355
Nakuru	564	890	445
Uasin Gishu	313	530	265
Kakamega	140	180	72
Meru	70	90	46
Lamu	82	113	60
Taita Taveta	65	71	23
Kwale	55	60	21
Kitui	41	43	13
Makueni	32	35	11
Kilifi	28	27	9
Embu	20	24	10
Nyeri	12	11	4
Murang'a	7	8	3
Others	114	115	44
Total	7,249	10,861	4,658

Source: AFA-Nuts and Oil Crops Directorate



Castor

Castor (*Ricinus communis*) is a drought-tolerant crop that is adapted to low moisture conditions. Castor is grown for its beans which are used to extract castor oil. Castor oil is used in the production of biofuels, lubricants, cosmetics, and pharmaceuticals. In 2023, castor was estimated to be cultivated on an area of 979 Ha by an estimated 1,000 farmers in the Coast, Eastern and Rift valley regions within; Kilifi, Kwale, Lamu, Tana-river, Taita-Taveta Counties, Kitui, Machakos, Makueni, Tharaka-Nithi, Nakuru, Baringo, and Turkana counties.

The major challenges facing castor production include: high incidences of pests and diseases and labor-intensive production activities with low farm mechanization discouraging cultivation on large tracts of land.



Table 5.9: Area under Castor bean, Production and Value, 2023

County	Area in Ha	Quantity in tonnes	Value (Ksh Million)
Kilifi	260	130.0	21,450
Makueni	246	120.5	19,286
Taita Taveta	168	97.4	17,052
Nakuru	140	71.4	11,781
Kwale	38	19.2	3,223
Lamu	32	16.5	3,114
Tana River	28	14.3	2,713
Kitui	22	10.7	1,813
Embu	18	9.0	1,485
Machakos	15	7.1	1,128
Homa Bay	12	5.7	961
Total	979	501.7	84,006



Oil Palm

Oil palm is recognized as the most prolific producer of vegetable oil and this can be easily substantiated by the yield per unit of oil when compared to other oil crops. Oil palm is an emerging crop grown for its edible oil and high yields compared to other oil crops. The oil is rich in vitamins A and E and commonly used in the manufacture of soap. The crop is predominantly in Western Kenya within Vihiga, Kakamega, Busia and Bungoma Counties and the Coastal region in Lamu and Kwale Counties.

The existing crop was established on a trial basis to inform interventions aimed at increasing its acreage and reducing overreliance on imports. The initial crop registered impressive performance in terms of yield but faced market access and processing challenges.

Currently, KALRO-Alupe is developing oil palm seedlings in collaboration with the AFA-Nuts and Oil Crops Directorate. During the year 2023, the institute produced 100,000 palm seedlings which are ready for distribution to farmers. There are plans to produce another 2.5 million palm seedlings in three years for distribution to farmers in line with the government's efforts to increase the crop acreage in the Western and Nyanza sugar belt.

Imports and Exports of Nuts and Oil Crops Products

Kenya is a net importer of oil products, which include, palm oil, sunflower oil, coconut oil, linseed oil, canola oil, and sesame oil. In the year 2023, Kenya imported a total of 921.5 thousand tonnes of edible oil valued at KSh 139.1 billion, thus ranking edible oil as one of the country's most important import commodities. The highest imported commodity by volume and value is crude palm oil from Asian countries followed by sunflower oil. Crude palm oil for use in edible oil refineries is the most imported commodity in the sub-sector.

Palm oil imports

In the year under review, 784.6 thousand tonnes of crude palm oil valued at KSh 107.5 billion was imported into Kenya. Malaysia was the leading origin country of the Palm oil imported contributing 75.2 per cent of the total imports followed by Indonesia at 17.0 per cent as shown in Table 5.10

Table 5.10: Imports of crude palm oil, 2023

Country of Origin	Volume (Tonnes)	Value (Ksh Million)
Malaysia	589,747.1	80,865.2
Indonesia	132,587.4	18,253.5
Singapore	23,822.7	3,321.9
Côte d'Ivoire	21,546.9	2,728.1
Thailand	16,931.7	2,378.3
Total	784,635.8	107,547.1
Source:KRA Customs and Boarder Control		
France	6.1	3.0
Total	764,804.5	96,882.9

Source: AFA-Nuts and Oil Crops Directorate



Peanuts Imports

In the year 2023, Kenya imported 18.9 thousand tonnes of peanuts valued at KSh 1.1 billion. The leading source countries for peanuts were, Tanzania, Malawi, Argentina, and India respectively. The country imports raw peanuts for domestic consumption and also for value addition and export. This is despite the fact that Kenya has the potential to produce groundnuts. A total of 17.7 tonnes of peanut oil valued at KSh 5.7 million was imported from India.

Table 5.11: Imports of peanuts by country of origin, 2023

Country	Volume (Tonnes)
Tanzania	9,561.0
Malawi	8,473.5
Argentina	499.9
India	384.1
Others	8.7
TOTAL	18,927.2

Source: KRA Customs and Boarder Control

Other nuts imported include almond, pistachio, and walnuts. Coconut coir for use in the farms is also imported.





CHAPTER

06



Livestock Sector

The aim of this exercise is to ensure agricultural data, often administrative and not collected through standard statistical procedures, are accurate and reliable to meet the needs of policymakers, farmers, and other stakeholders.

This chapter presents analysis of populations for various livestock species and livestock products for the periods 2019 to 2023. Generally, most livestock products recorded improved performance with some variations attributed to various factors during the period. The population of all livestock species has generally increased.

Cattle Population

The total cattle population increased by 4.8 per cent from 20.9 million in 2022 to 21.9 million in 2023 as shown in Table 6.1 There was no significant increase in dairy cattle

population while beef cattle populations increased by 6.3 per cent from 15.8 million in 2022 to 16.3 million in 2023. The increase in these populations of indigenous and dairy cattle can be attributed to the generally favourable

weather conditions in the country during the reporting period. As a result, there were plenty of pastures/ fodders and drinking water for the livestock.

Table 6.1: Cattle Populations, 2019 – 2023

Year	Dairy Cattle	Beef Cattle	Totals	2022	2023
2019	4,617,168	16,265,320	20,882,488	2,728,397	3,195,858
2020	5,112,340	16,541,255	21,653,595	2,069,253	2,924,118
2021	5,017,991	16,182,356	21,200,347	3,261,450	2,982,376
2022	5,098,443	15,794,146	20,892,589	2,439,598	2,959,126
2023	5,544,218	16,337,790	21,882,008	2,458,272	3,270,660

Source: State Department for Livestock

Figure 6.1a: Population of Cattle (Dairy) by County for the year 2022-2023.

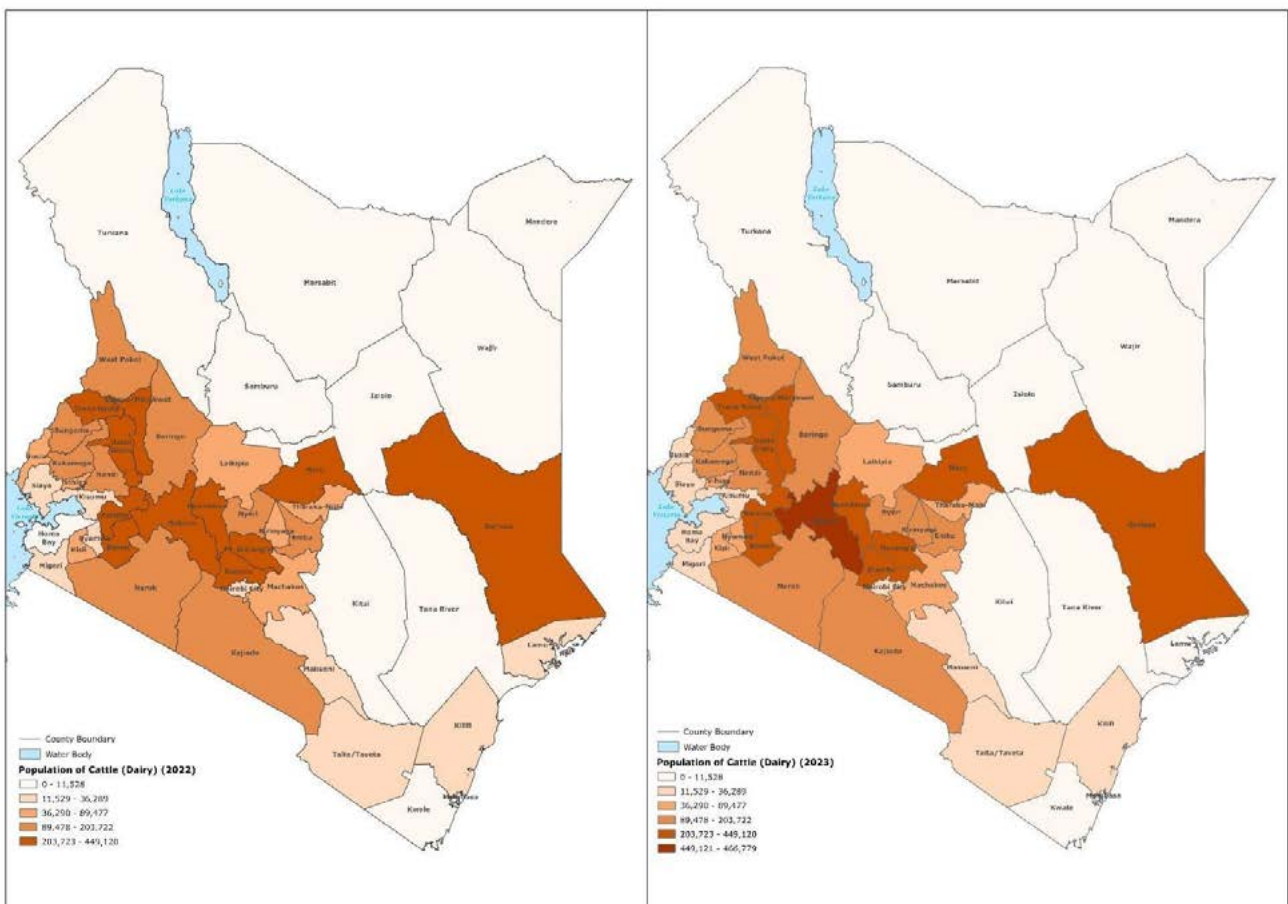
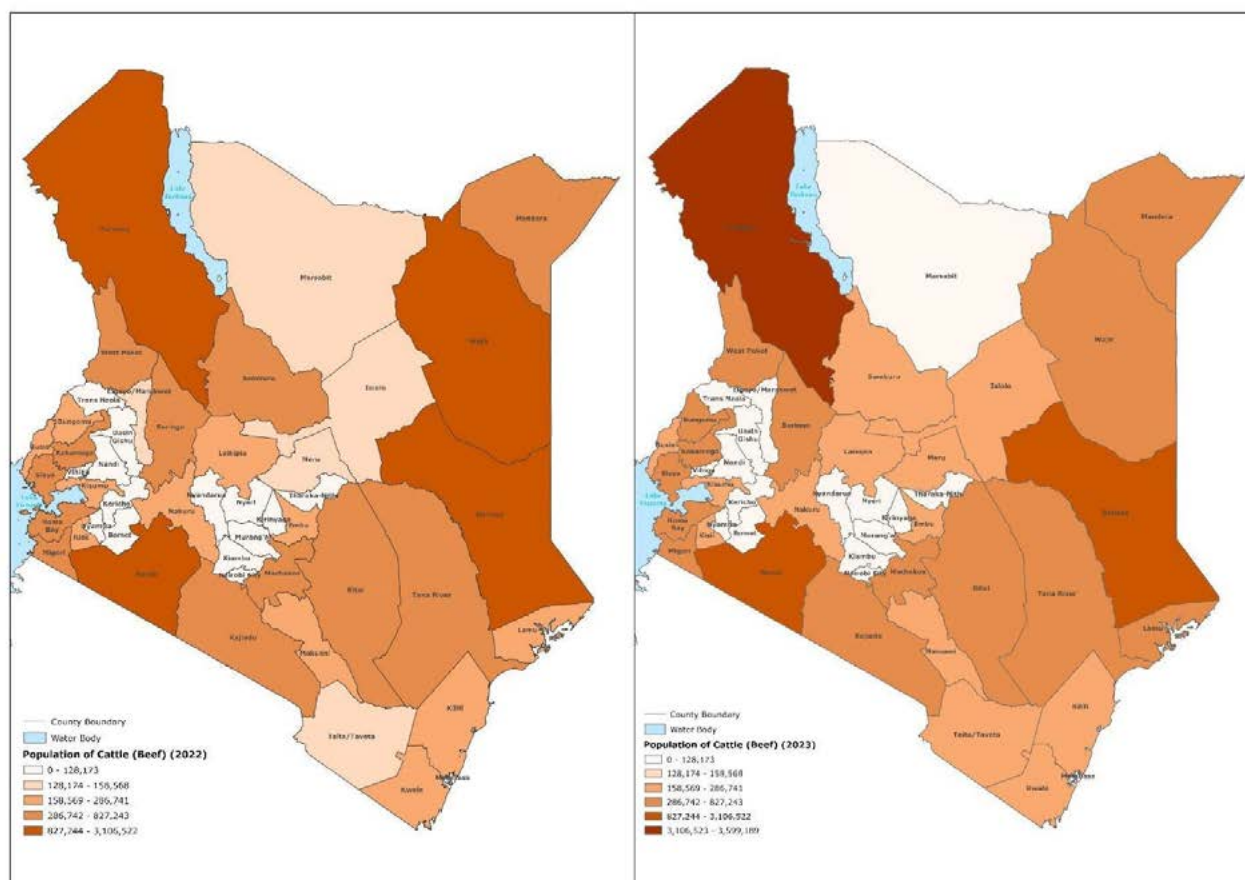


Figure 6.1b: Population of Cattle (Beef) by County for the year 2022-2023.


Sheep and Goat Populations

Table 6.2 shows the sheep and goat total populations from 2019-2023. In the period under review, sheep total population increased from 21.3 million in 2022 to 23.2 million in 2023 while that of goat increased from 30.0 million in 2022 to 35.0 million in 2023.

The increase was attributed to the good rainfall received which led to improved pasture and browse conditions, especially in the Arid and Semi-Arid Lands (ASAL) where the majority of meat goats are found.

Table 6.2: Sheep and Goat Population, 2019 – 2023

Year	Sheep			Goats		
	Wool	Hair	Total	Dairy	Meat	Total
2019	1,066,022	26,228,617	27,294,639	545,984	34,452,255	34,998,238
2020	1,116,159	24,229,769	25,345,927	662,502	35,358,675	36,021,177
2021	1,165,552	23,636,053	24,801,605	558,343	32,011,971	32,570,314
2022	1,205,447	20,127,841	21,333,289	593,557	29,965,063	30,558,620
2023	1,270,256	21,938,285	23,208,541	603,349	34,385,998	34,989,347

Source: SDL, 2024



**23.2
Million**

Sheep total population increased from 21.3 million in 2022 to 23.2 million in 2023

35.0 Million

while that of goat increased from 30.6 million in 2022 to 35.0 million in 2023.

Poultry Population

Chicken

During the 2022-2023 period, poultry populations trends were varied as shown in Table 6.3(a) Broiler, layer and dual-purpose chicken decreased. The indigenous chicken increased by 11.3 per cent from 48.8 million in 2022 to 54.3 million in 2023. Dual-purpose chicken comprised the KALRO Kienyeji, Kroilers and Kenbro types. The increase in indigenous chicken was attributed to the widespread promotion of poultry commercialization by county governments, preference of indigenous-based diets by consumers due to its perceived higher nutritional value and health benefits compared to the exotic chicken. This triggered increased demand for both chicken meat and eggs.



Table 6.3(a) Poultry Populations, 2019 – 2023

Year	Broilers	Layers	Indigenous Chicken	Dual purpose chicken
2019	4,878,517	5,460,174	46,096,114	--
2020	4,187,154	5,586,657	47,387,967	16,160
2021	4,484,199	5,984,449	48,267,387	284,457
2022	5,593,785	6,411,727	48,779,203	924,161
2023	5,507,660	6,395,708	54,345,854	794,549
2023	1,270,256	21,938,285	23,208,541	603,349

Source: SDL, 2024

-- Data not available

Other Poultry

The populations for turkey, geese, guinea fowls and pigeons increased by 7.8 per cent, 14.5 per cent, 32.0 per cent and 5.8 per cent respectively whereas the

populations for ducks, doves and quails dropped by 4.0 per cent, 22.8 per cent and 6.1 per cent respectively in 2023 as shown in Table 6.3(b)

Table 6.3(b) Populations of other Poultry types, 2019-2023

Year	Turkeys	Ducks	Geese	Guinea fowl	Pigeons	Doves	Quails
2019	214,674	592,759	174,534	53,148	144,139	24,278	29,524
2020	399,937	475,703	145,630	44,103	124,077	19,723	39,349
2021	196,661	455,370	145,845	54,757	73,207	28,574	30,611
2022	219,382	549,895	174,343	65,020	213,281	22,828	32,630
2023	236,471	527,713	199,560	85,832	225,720	17,589	30,584

Source: SDL, 2024

Other livestock types

Population of Camels and Donkeys

In 2023, camel populations increased by 22.0 per cent to 4.3 million as shown in Table 6.4(a). Camels are the main source of livelihood among nomadic pastoralists. There was a slight decrease in the donkey population in the period under review.

Table 6.4(a) Camel and Donkey population, 2019-2023

Year	Donkeys	Camels
2019	1,662,990	4,735,351
2020	1,232,630	4,669,739
2021	1,393,628	4,427,881
2022	1,729,940	3,456,483
2023	1,724,463	4,284,497

Source: SDL, 2024

Population of Pigs and Rabbits

In 2023, rabbit populations increased by 15.3 per cent from 677,479 in 2022 to 780,885 in 2023 as shown in Table 6.4 (b). The increase in rabbit population was attributed to the improved access to breeding stock. Pig population also increased from 792,906 in 2022 to 840,160 in 2023. It is worth noting that Pig production targets both the high-end hotel industry and lower quartile pork consumers making the demand stable. The population of crocodiles decreased to 80,010 in 2023 from 83,000 in 2022. The decrease was as a result of more offtake, probably more demand for its meat for tourists. Crocodile farming in the country was practiced by a few elite crocodile farmers targeting tourists' meat demand, local niche markets and leather for export. Crocodile farming is confined to Mombasa, Kilifi and Kirinyaga counties.



Table: 6.4(b) Population of Pigs, Rabbits and Crocodiles, 2019 – 2023

Year	Pigs	Rabbits	Crocodiles
2019	595,631	728,548	92,990
2020	649,273	724,769	83,020
2021	674,746	687,125	83,010
2022	792,906	677,479	83,000
2023	840,160	780,885	80,010

Source: SDL, 2024

Population of Bee Hives

The number of Kenya Top Bar Hives (KTBH), Langstroth, and log hives increased by 3.4 per cent, 3.1 per cent, and 7.4 per cent respectively while that of the box hive decreased by 6.0 per cent in 2023. This was as a result of increased popularity of modern hives and convenience handling and management of hives.

Table 6.5: Beehives Population, 2019 – 2023

Year	Hives				Total Hives
	Log	KTBH	Langstroth	Box	
2019	852,241	220,501	194,788	21,624	1,289,155
2020	897,599	281,734	221,991	25,148	1,426,471
2021	846,384	305,228	264,121	23,857	1,439,589
2022	936,656	320,339	315,591	10,704	1,583,290
2023	1,006,339	333,707	326,444	10,093	1,676,583

Source: State Department for Livestock

Milk Production and Formal Intake

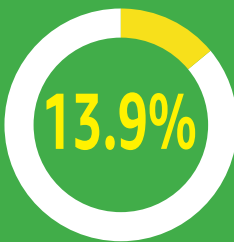
Milk production registered 5.3 billion Kilogrammes worth KSh 312.7 billion in 2023, an increase of 14.8 per cent. The increase was attributed to good rains in 2023 resulting to increased availability of fodder and pasture.

In 2023, milk intake to the formal sector grew by 7.3 per cent compared to the year 2022. Similarly, the value of formally marketed milk increased by 13.4 per cent in the year under review.

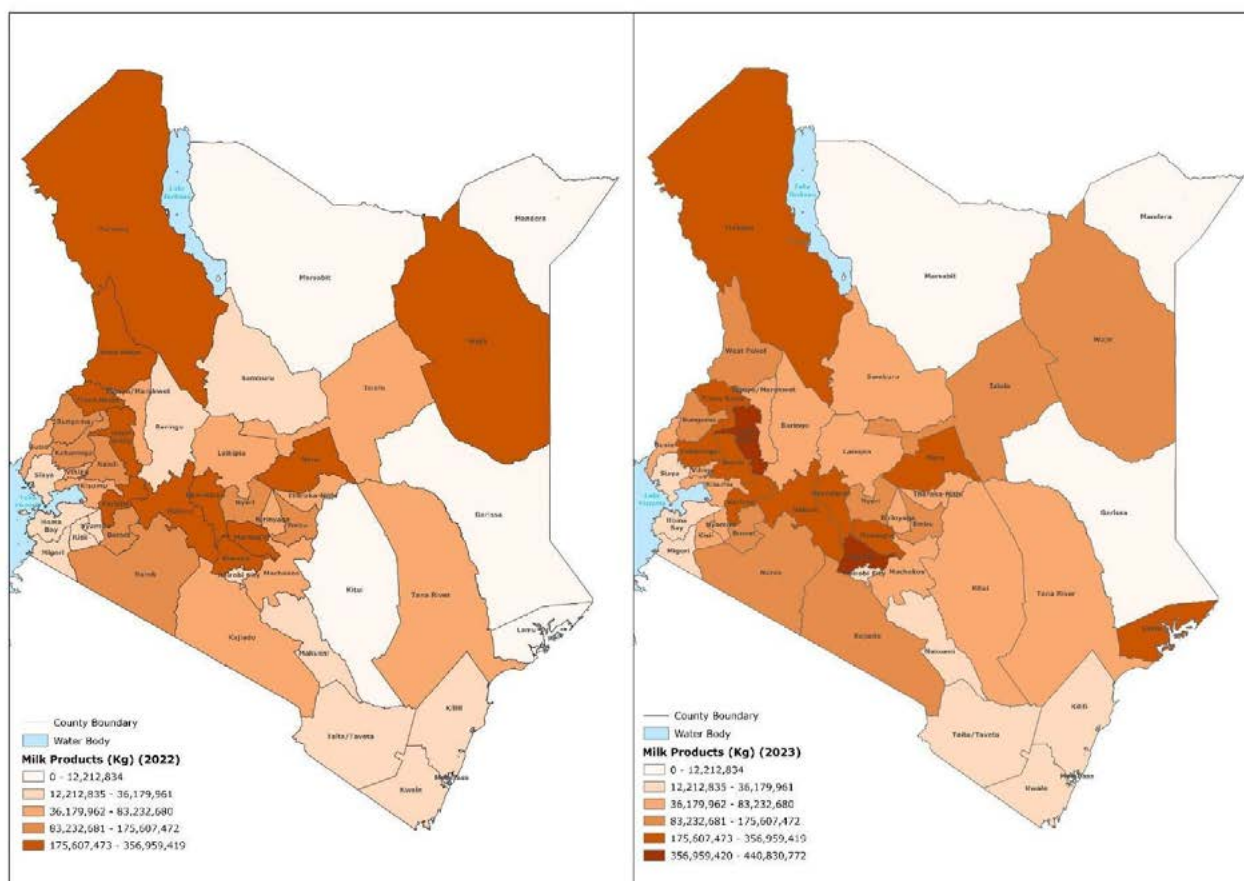
Table 6.6 ; Milk Production and Value, 2019- 2023

Year	Total Milk produced (million kgs)	Value of milk produced (billions)	Total Milk intakes(million kgs)	Value of milk intake (billions)
2019	3,983.0	178.7	685.9	20.6
2020	4,048.0	181.6	684.4	22.7
2021	4,641.9	236.7	801.9	33.7
2022	4,604.3	304.8	754.3	35.7
2023	4,568.6	312.7	806.6	40.5

Source :Kenya Dairy Board, State Department for Livestock



Milk production registered 5.3 billion Kilogrammes worth KSh 312.7 billion in 2023, an increase of 14.8 per cent.

Figure 6.2: Milk Products by County for the year 2022-2023.


Meat

The total meat production in 2023 was 556.7 thousand tonnes valued at KSh 304.6 billion compared to 464.5 thousand tonnes of meat valued at KSh. 240.7 billion in 2022. This was 19.8 per cent increase in meat produced. The red meat (beef, mutton, chevon and camel) increased by 23.3 per cent as compared to 2022 while white meat (pork, poultry and rabbit) increased by 10.0 per cent over the same period.

Table 6.7(a) Meat Produced and Value, 2019 – 2023

Products	2019		2020		2021		2022		2023	
	Quantity	Value (KSh-Million)	Quantity (Tonnes)	Value (KSh-Million)	Quantity (Tonnes)	Value (KSh-Million)	Quantity (Tonnes)	Value (KSh-Million)	Quantity (Tonnes)	Value (KSh-Million)
Beef	329,187.4	130,323.6	244,216.7	103,815.3	250,607.0	115,145.0	222,881.0	103,325.0	237,907.0	129,518.0
Chevon	55,927.1	25,554.2	80,738.8	36,621.6	73,063.0	39,563.0	55,869.0	31,153.0	77,521.0	53,927.0
Mutton	50,810.9	23,350.1	79,679.3	33,575.3	50,842.0	26,307.0	39,380.0	21,365.0	51,691.0	34,156.0
Pork	14,441.0	5,443.5	25,784.9	10,819.9	23,107.0	9,153.0	28,082.0	13,424.0	40,056.0	19,511.0
Rabbit	1,761.9	663.8	2,569.0	988.5	993.0	451.0	639.0	306.0	651.0	314.0
Poultry	88,718.7	42,511.6	69,212.2	34,066.7	89,450.0	44,644.0	93,341.0	55,843.0	93,622.0	34,707.0
Camel	57,569.4	25,297.1	61,399.8	27,007.5	39,129.5	16,637.9	24,320.0	15,309.0	55,204.0	32,500.0
Total	598,416.4	253,143.9	563,600.8	246,894.8	527,190.9	251,900.3	464,511.7	240,724.6	556,652.8	304,633.8

Source :KDB,SDL 2024

Table 6.7(b) shows the number of livestock by type slaughtered for meat for the period 2019 – 2023.

Table 6.7(b) Number of livestock slaughtered, 2019 – 2023

Livestock type	Number of animals slaughtered				
	2019	2020	2021	2022	2023
Cattle	2,633,500	1,953,734	2,004,852	1,783,051	1,903,259
Goats	4,660,593	6,728,236	6,088,551	4,655,710	6,460,119
Sheep	3,387,392	5,311,955	3,389,478	2,625,321	3,446,093
Pigs	222,169	396,691	355,487	432,029	616,242
Rabbits	1,468,267	2,140,799	827,804	532,559	542,146
Chicken	63,370,471	49,437,308	63,892,946	66,672,135	66,873,016
Camels	191,898	204,666	130,431	81,067	184,014

Source :KDB,SDL 2024

Other Livestock Products 2022 - 2023

Table 6.8 shows other livestock products for 2019-2023. There was 98.8 per cent increase in eggs produced valued at KSh 9 billion in 2023 as compared to 2022. Honey production decreased by 13.3 per cent. The number

of hides and skins produced increased by 2.6 per cent and 23.5 per cent respectively during the period under review, valued at KSh1.6 billion and KSh338.7 million, respectively. Wool production increased by 48.0 per cent.



Table 6.8 Other livestock products

Product	2019		2020		2021		2022		2023	
	Quantity ('000)	Total value (KSh Millions)	Quantity ('000)	Total value (KSh Millions)	Quantity ('000)	Total value (KSh Millions)	Quantity ('000)	Total value (KSh Millions)	Quantity ('000)	Total value (KSh Millions)
Eggs (No. of trays)	140,644.2	48,100.3	296,652.2	111,717.9	240,854.2	91,081.4	97,948.8	43,709.0	194,721.8	90,216.0
Honey (Kg)	13,876.8	9,004.7	17,800.9	11,459.4	17,265.1	13,528.9	19,777.2	14,532.9	17,151.1	13,565.5
Wax (Kg)	1,374.4	415.2	1,716.5	534.8	5,783.3	1,063.8	2,824.9	1,947.4	3,212.2	1,619.6
Hides (No.)	34,381.2	350.9	2,625.5	787.7	1,731.3	481.5	1,253.1	217.3	1,285.8	338.7
Skins (No.)	3,176.1	161.4	7,036.0	351.8	2,864.2	143.2	1,734.9	86.8	2,141.9	131.2
Wool (kg)			909.8	113.3	1,505.0	159.2	1,211.6	125.2	1,792.8	148.3

Source :SDL 2024





CHAPTER

07



Among the counties with the largest dams are Uasin Gishu, Narok and Laikipia where fish harvesting is undertaken on a commercial scale.

Fisheries

7.1 Fisheries Production

Kenya is endowed with both inland and marine water resources. The inland water resources include KSh and rivers of varying sizes (Table 7.1, Figure 7.1). Across the country are many dams stocked with fish, mainly harvested by the locals as a source of protein for their diets. Among the counties with the largest dams are Uasin Gishu, Narok and Laikipia where fish harvesting is undertaken on a commercial scale.

Further to these inland water resources, Kenya also enjoys a vast coastline of 640 km on the Western Indian Ocean and a further 200 nautical miles Exclusive Economic Zone (EEZ) under Kenyan jurisdiction. The total area of the territorial waters is 9,700 Km² while the Kenyan EEZ is 142,400 Km². Kenya also lays claim to extended EEZ, reaching 350 km with an extra area of approximately 103,320 Km². The total area for exploitation by the country is a massive 255,420 Km² which is about half of the Kenyan land cover area.

Figure 7.1: The water resources in Kenya.

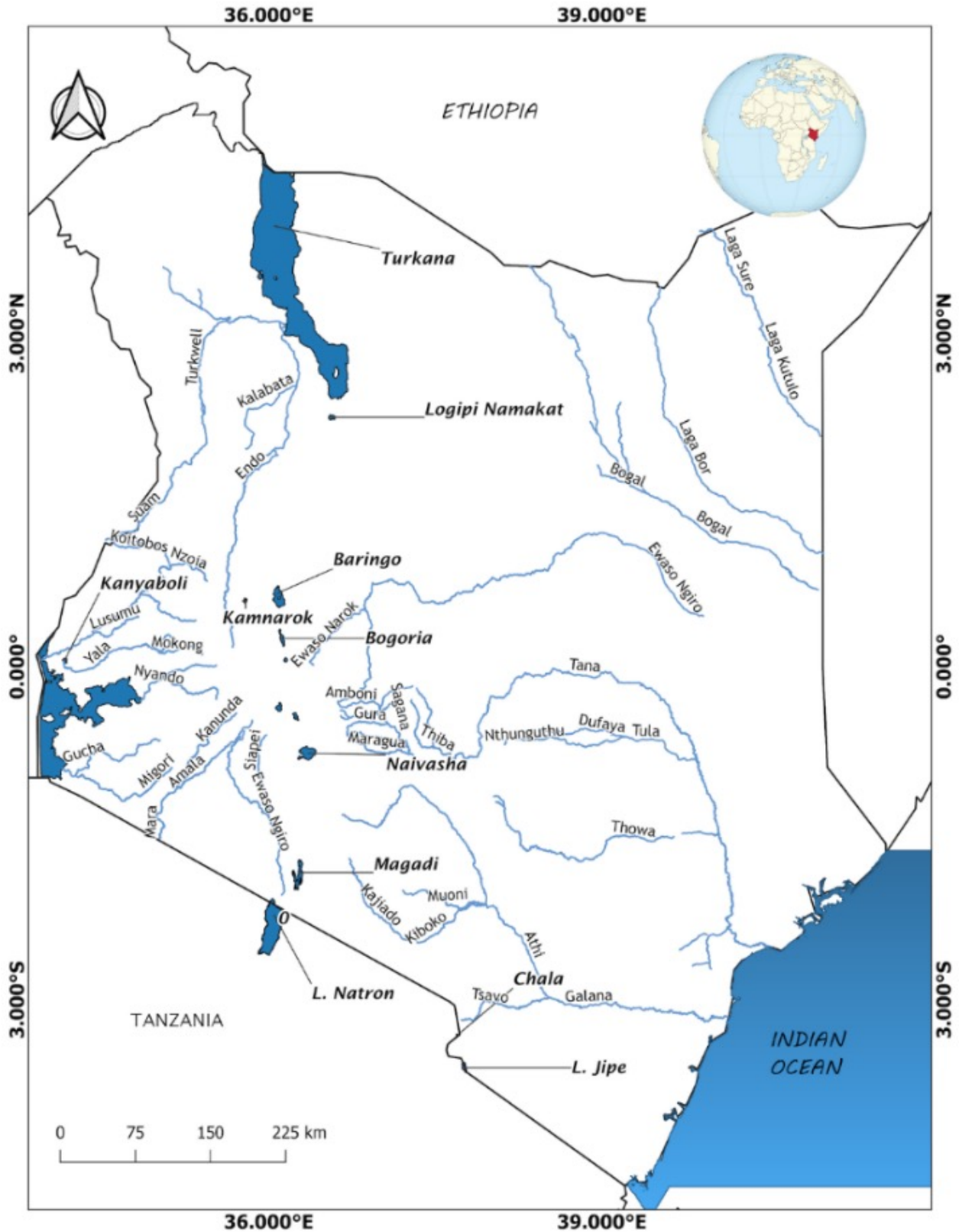


Table 7.1 Area of Major Lakes and Length of major rivers in Kenya

Lakes	KM2	Rivers	KM
Turkana	6,405.0	Tana	700.0
Victoria	4,128.0	Athi/Galana/Sabaki	530.0
Naivasha	210.0	Ewaso-Ngiro North	520.0
Baringo	129.0	Kerio	350.0
Jipe	39.0	Suam-Turkwel	350.0
Kanyaboli	10.5	Mara	280.0
Kenyatta	3.7	Nzoia	240.0

Source: Kenya Fisheries Service



The Kenyan fishery is mainly artisanal with few commercial/industrial vessels. The country has been developing its industrial fleet and currently has 15 vessels comprising long-liners, trawlers, and pot vessels. The trawlers target mainly shallow-water shrimps, deep-water shrimps and lobsters.

The long liners target pelagic fish especially Tuna and Tuna like species in our Economic Exclusive Zone (EEZ). The artisanal fishery accounts for most of the inland and marine water catches reported here and hence is currently the main fishery in the country. Our EEZ which is predominately fished by industrial vessels has mainly been exploited by the Distant Water Fishing Nations' (DWFN) fleet composed of longliners and purse seiners.

The fisheries sector also plays a significant role in employment and income generation. During the year 2023 the sector supported about 69,900 people directly as fishermen and 70,000 fish farmers with 90,000 active fishponds.

The sector supports about 1.2 million people directly and indirectly, working as fishers, traders, processors, suppliers and merchants of fishing accessories and employees and their dependents. Besides being a rich source of protein, especially for riparian communities, the sector is also important for the preservation of culture, national heritage, and recreational purposes. In 2023, the total fish production was 161.3 thousand tonnes worth KSh 35.9 billion. This was 7.2 per cent decline in production compared to 173.7 thousand tonnes worth KSh 37.0 billion landed in 2022.

The fish production from marine and aquaculture was

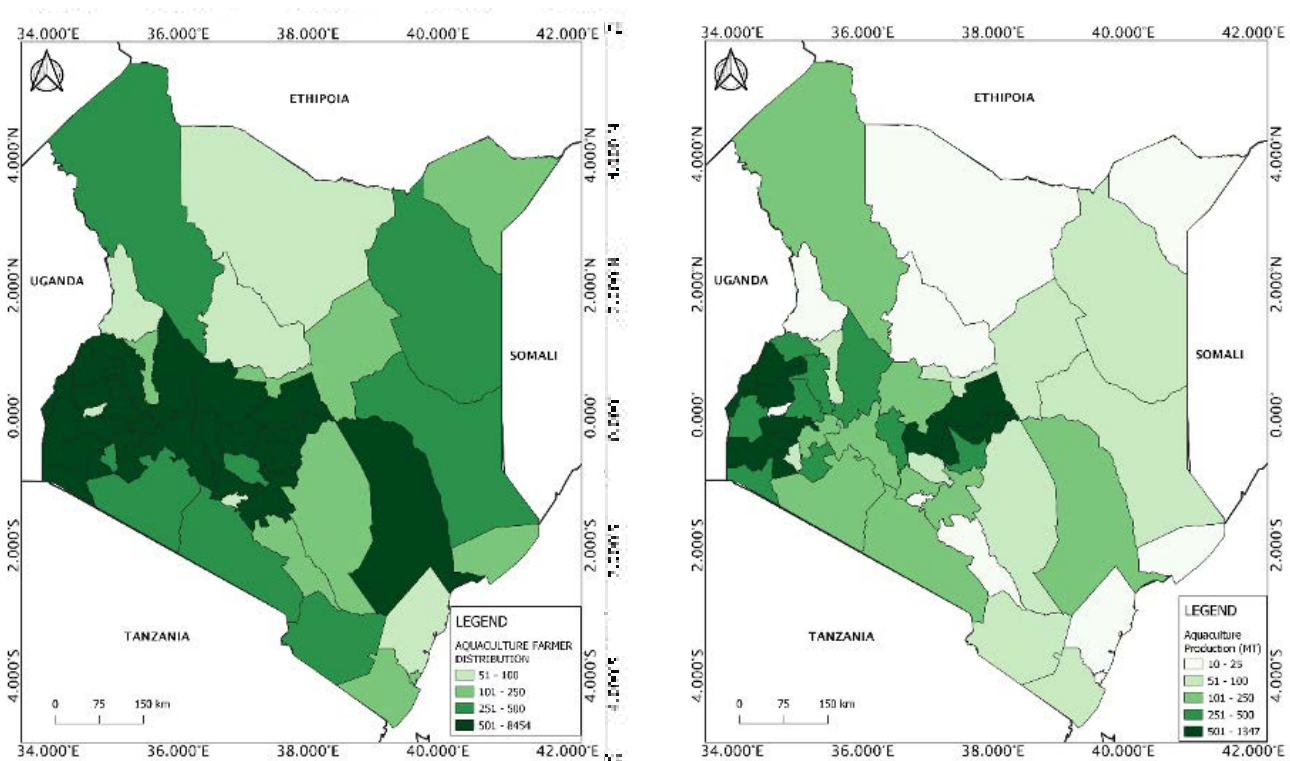
40.00 and 31.7 thousand tonnes worth KSh 9.97 and 9.92 billion respectively.

Inland capture fisheries contributed 56 per cent of Kenya's total fish production, with the principal catches coming from Lake Victoria. The lake accounted for 70.3 thousand tonnes which was a 18.6 per cent decline in catch compared to 86.4 thousand tonnes caught the previous year. This can be attributed to increased fishing pressure, fish-critical habitat destruction, and the prevalence of Illegal Unreported fishing activities. Lake Turkana, the world's largest desert lake, produced 15.9 thousand tonnes of fish during the year under review. This amounted to 8.1 per cent decline compared to 17.3 thousand tonnes caught in 2022. This decline is mainly a result of the raised water level of the lake in most part of the year inhibiting traditional fishers from accessing fishing grounds.

Other freshwater bodies of commercial importance whose catches increased in 2023 were Lake Kenyatta, Jipe, riverine, and small dams. The catches from the lakes in 2023 were 192 tonnes, 282 tonnes, 486 tonnes, and 434 tonnes respectively compared to 150 tonnes, 280 tonnes 401 tonnes and 374 tonnes in 2022. The lakes that have registered a decline in production are Lake Kanyaboli, Naivasha, Baringo and Turkwel Dam.

Fish farming (aquaculture) recorded an increased production of 14 per cent to 31.7 thousand tonnes of fish harvested in the year 2023 from 27.8 thousand tonnes in 2022. The fish production from cage culture continues to increase steadily accounting for about 73 per cent of total aquaculture production while the rest is accounted

Figure 7.2: *Xyxyxyxyxyxyxyxyx xyxyxyxyxyx.* (Give us the title)



for by land-based freshwater systems and mariculture along the coast.

Marine artisanal production increased from 35.6 thousand tonnes worth KSh 8.7 billion in 2022 to 37.0 thousand tonnes worth KSh 8.3 billion in 2023. Fish production from marine industrial fishing increased for shallow prawn trawling, deep-water trawling, and deep-water crab potting but decreased for deep-sea longlining. Deep-water trawling is undertaken from November to March while shallow-water trawling commences from April to October. Deep water trawl catches increased from 1,158 tonnes to 2,063 tonnes while deep water crab catches increased from 104 tonnes to 184 tonnes. Shallow water trawling catches increased to 156 tonnes from 128 tonnes while longline catches declined to 508 tonnes from 452 tonnes as shown in Table 7.2.

Fish farming (aquaculture) recorded an increased production of 14 per cent 31.7 Thousand tonnes of fish harvested in the year 2023 compared to 27.8 thousand tonnes in 2022. The fish production from cage culture continues to increase steadily accounting for about 73 per

Table 7.2: Fish Production and value by water bodies from 2021 to 2023

Categories	2021			2022			2023		
	Tonnes	Value '000 KShs.	Price per KG	Tonnes	Value '000 KShs.	Price per KG	Tonnes	Value '000 KShs.	Price per KG
Fresh Water									
Lake Victoria	94,349	14,082,375	149	86,394	14,344,784	166	70,313	12,065,790	172
Lake Turkana	15,644	1,478,953	95	17,251	3,350,628	194	15,899	3,132,103	197
Lake Naivasha	1,804	216,974	120	2,190	263,715	120	1,140	147,429	129
Lake Baringo	406	118,590	292	442	129,328	293	420	124,998	298
Lake Jipe/ Challa	227	66,051	291	280	89,124	318	282	89,231	316
Lake Kanyaboli	286	70,074	245	387	63,438	164	84	74,777	195
Lake Kenyatta	68	6,816	100	150	14,205	95	192	19,242	100
Tana River Dams	197	28,563	145	210	30,348	145	226	33,901	150
Tana River Delta	135	13,048	97	129	11,634	90	133	12,545	94
Aquaculture	20,973	6,711,360	320	27,833	8,735,512	314	31,655	9,971,325	315
Turkwel	98	14,750	151	100	20,257	203	93	28,117	302
Riverine	393	109,454	279	401	111,643	278	486	160,380	330
Small Dams	380	83,465	220	374	82,381	220	434	120,451	278
Total Fresh Water	134,960	23,000,473	170	136,141	27,246,997	200	121,357	25,980,289	214
Marine (Artisanal)	25,380	5,491,800	216	35,596	8,709,850	245	36,983	8,309,753	225
Mariculture	103	2,568	25	106	2,605	25	112	2,830	25
Industrial (Marine)									
Shallow prawn trawl fishery	330	115,231	349	128	176,403	1,378	156	225,741	1,447
Deep water trawl fishery	1,026	350,933	342	1,158	485,425	419	2063	908,034	440
Deep water crab pottery	137	119,680	874	104	132,620	1,275	184	246,367	1,339
Deep sea longlining	433	170,965	395	508	247,694	488	452	231,409	512
Total Industrial	1,926	756,809	393	1,898	1,042,142	549	2,855	1,611,551	564
Total Marine	27,409	6,251,177	228	37,600	9,754,597	259	39,950	9,924,134	248
Grand Total	162,369	29,251,650a	180	173,741	37,001,594b	213	161,307	35,904,423	222

Source: Kenya Fisheries Service

^{ab} Aquarium data not included

^a Provisional

7.2: Fish Production Trend

The data on fish production in Kenya reveals significant trends in both freshwater and marine sectors. This analysis examines the quantity of fish produced and their economic value.

Freshwater Fish Production

Total freshwater fish production experienced a notable decline from 136.1 thousand tonnes in 2022 to 121.4

thousand tonnes in 2023, a decrease of 10.8 per cent. Despite the drop in production volume, the economic value of freshwater fish remained relatively stable, decreasing from KSh 27.25 billion in 2022 to KSh 26.00 billion in 2023, representing a 4.6 per cent decline. This suggests that the market value for freshwater fish has not been severely impacted by the reduction in supply.

Marine Fish Production

Marine fish production exhibited a positive trend, increasing from 27.4 thousand tonnes in 2021 to 37.6 thousand tonnes in 2022, and further to 40.0 thousand tonnes in 2023. This represents a 46.0 per cent increase from 2021 to 2023. The economic value of marine fish increased from KSh 6.3 billion in 2021 to KSh 9.8 billion in 2022 to KSh 9.9 billion in 2023, representing a 57.1 per cent increase.

Trends and Dynamics in Kenya's Fish Production: A Five-Year Overview

Over the past five years, fish production in Kenya has seen significant developments across both freshwater and marine sectors. The freshwater sector, particularly Lake Victoria, remains a crucial contributor despite showing a slight decline in production from 90.7 thousand tonnes in 2019 to 70.3 thousand tonnes in 2023. Aquaculture, however, has emerged as a vibrant area within the freshwater category, driven largely by the profitability of cage culture over traditional pond or land-based methods. Concerted efforts by the government and private sector to promote and fund aquaculture investments across various counties have paid off, with aquaculture production steadily rising from 18.5 thousand tonnes in 2019 to 31.7 thousand tonnes in 2023 and its value almost doubling in this period.

Marine fish production has also experienced notable growth, with the total marine output increasing from 27.7 thousand tonnes in 2019 to 40.0 thousand tonnes in 2023. This rise was attributed to significant improvements in mechanization and the upgrading of boats, enabling fishers to venture further offshore instead

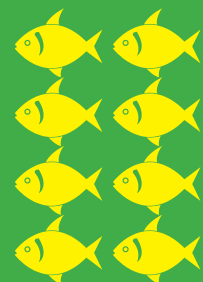
of relying on nearshore reefs. The adoption of advanced technologies such as fish finders has also empowered fishers to efficiently locate and map out optimal fishing areas, thereby enhancing their catch. Artisanal marine fishing, in particular, has seen substantial gains, with production soaring from 25.7 thousand tonnes in 2019 to 37.0 thousand tonnes in 2023, reflecting the benefits of these technological and mechanization advancements.

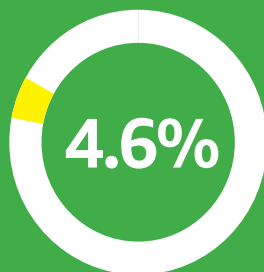
Over the five-year period, the value of marine fish production has increased, driven by better mechanization, enhanced fishing techniques, and the shift towards offshore fishing. The industrial marine sector, including deep-water trawl fishery and crab potting, has significantly boosted its contribution, with the value of deep-water trawl fishery alone rising from KSh 170.1 million in 2019 to KSh 908.0 million in 2023. This sector's expansion has been instrumental in increasing the overall value of marine production, as fishers harness new technologies and venture into deeper waters, reflecting a broader trend towards modernization and efficiency in the fishing industry.

Overall, the total fish production in Kenya has shown a strong upward trajectory, peaking in 2022 with 173.7 thousand tonnes before a slight decline to 161.3 thousand tonnes in 2023. This growth is mirrored in the total value, which saw a significant rise from KSh 23.6 billion in 2019 to KSh 35.9 billion in 2023. The continued emphasis on modernizing fishing practices, combined with strategic investments in aquaculture, underscores the sector's potential for sustainable growth and increased economic contribution. These efforts ensure that Kenya's fish production remains robust and capable of meeting both domestic and international demands.

The Fisheries Sector

The economic value of freshwater fish remained relatively stable, decreasing only slightly from 27.25 billion Kshs in 2022 to 26.00 billion Kshs in 2023, representing a 4.6 per cent decline.





26 Billion

The economic value of fresh water fish remained relatively stable, decreasing only slightly from KSh 27.25 billion in 2022 to KSh 26.00 billion in 2023, representing a 4.6 per cent decline.

KSh
35,904,423
Total Fish Production

Kenya has shown a strong upward trajectory, peaking in 2022 with 173.7 Tonnes before a slight decline to 161.3 Tonnes in 2023. This growth is mirrored in the total value, which saw a significant rise from KSh 23,609,646,000 Kshs in 2019 to KSh 35,904,423 in 2023.

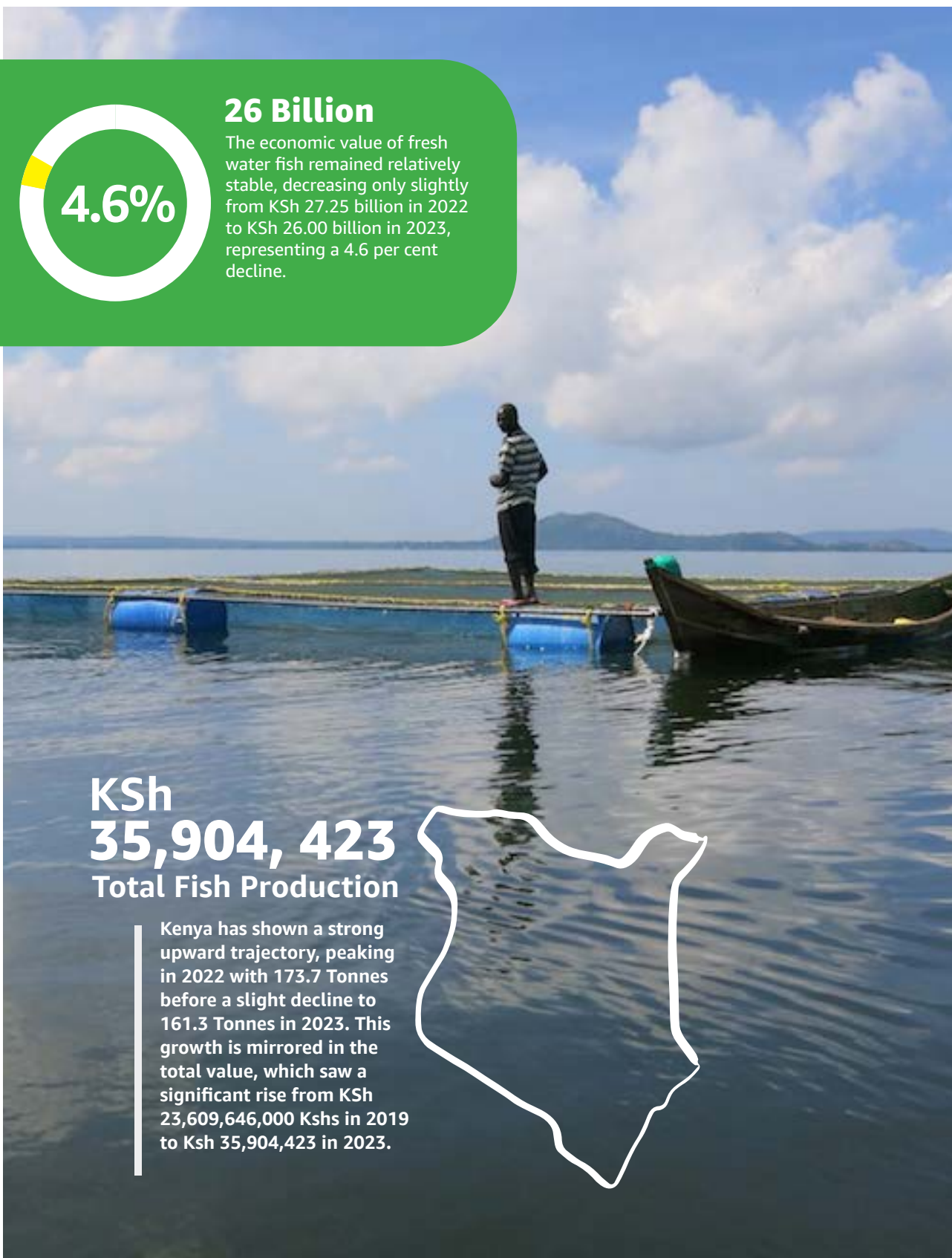


Table 7.3 Trends and Dynamics in Kenya's Fish Production

Categories	2019		2020		2021		2022		2023	
Fresh Water	Quantity (Metric Tons)	Value '000 KShs.	Quantity (Metric Tons)	Value '000 KShs.	Quantity (Metric Tons)	Value '000 KShs.	Quantity (Metric Tons)	Value '000 KShs.	Quantity (Metric Tons)	Value '000 KShs.
Lake Victoria	90,743	11,640,537	88,223	12,687,298	94,349	14,082,375	86,394	14,344,784	70,313	12,065,790
Lake Turkana	7,031	645,107	13,190	1,177,193	15,644	1,478,953	17,251	3,350,628	15,899	3,132,103
Lake Naivasha	3,087	391,719	2,216	238,638	1,804	216,974	2,190	263,715	1,140	147,429
Lake Baringo	203	49,499	162	39,502	406	118,590	442	129,328	420	124,998
Lake Jipe/ Challa	157	45,957	197	57,549	227	66,051	280	89,124	282	89,231
Lake Kanyaboli	300	43,826	264	60,201	286	70,074	387	63,438	84	74,777
Lake Kenyatta	32	2,725	72	7,295	68	6,816	150	14,205	192	19,242
Tana River Dams	394	60,571	283	50,960	197	28,563	210	30,348	226	33,901
Tana River Delta	202	17,595	158	20,360	135	13,048	129	11,634	133	12,545
Aquaculture	18,542	5,581,142	19,945	6,303,617	20,973	6,711,360	27,833	8,735,512	31,655	9,971,325
Turkwel	50	12,850	107	16,112	98	14,750	100	20,257	93	28,117
Riverine	380	106,371	411	115,049	393	109,454	401	111,643	486	160,380
Small Dams	459	126,455	358	95,022	380	83,465	374	82,381	434	120,451
Total Fresh Water	121,580	18,724,354	125,586	20,868,976	134,960	23,000,473	136,141	27,246,997	121,357	25,980,289
Marine (Artisanal)	25,670	4,477,577	23,684	4,831,948	25,380	5,491,800	35,596	8,709,850	36,983	8,309,753
Mariculture	76	1,895	85	2,119	103	2,568	106	2,605	112	2,830
Industrial (Marine)										
Shallow prawn trawl fishery	535	185,900	273	177,446	330	115,231	128	176,403	156	225,741
Deep water trawl fishery	626	170,089	943	518,385	1,026	350,933	1,158	485,425	2063	908,034
Deep water crab pottery	38	19,072	86	71,295	137	119,680	104	132,620	184	246,367
Deep sea longlining	795	30,759	670	26,855	433	170,965	508	247,694	452	231,409
Total Industrial	1,994	405,820	1,972	793,981	1,926	756,809	1,898	1,042,142	2,855	1,611,551
Total Marine	27,740	4,885,292	25,741	5,628,048	27,409	6,251,177	37,600	9,754,597	39,950	9,924,134
Grand Total	149,320	23,609,646a	151,327	26,213,144b	162,369	29,251,650c	173,741	37,001,594d	161,308	35,904,423
Total Marine	27,740	4,885,292	25,741	5,628,048	27,409	6,251,177	37,600	9,754,597	39,950	9,924,134
Grand Total	149,320	23,609,646	151,327	26,496,844	162,369	29,251,650	173,741	37,001,594	161,308	35,918,076

Source: Kenya Fisheries Service

^{a,b} Aquarium data not included

*Provisional

ANNEX

FOOD CROPS

Annex 1: Area and Production of Maize by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Baringo	45,171	70,810	47,437	68,374	34,709	59,169	37,894	50,902	42,501	94,877
Bomet	34,476	74,728	42,763	73,610	40,480	58,685	27,597	43,357	27,250	63,230
Bungoma	94,635	315,711	87,960	317,912	93,214	269,443	92,464	275,867	92,847	222,912
Busia	61,850	67,445	48,150	69,450	33,810	42,028	42,476	64,464	44,097	71,237
Elgeyo Marakwet	31,779	104,487	25,856	87,431	31,351	86,007	31,713	72,447	43,133	150,221
Embu	34,100	28,368	35,130	34,650	35,925	31,378	34,506	10,093	34,500	41,327
Garissa	150	109	238	296	145	71	107	70	142	132
Homa Bay	72,793	102,742	72,097	92,394	79,608	82,278	72,215	86,799	78,795	115,635
Istiole	530	749	586	42	147	139	129	94	256	176
Kajiado	17,511	16,189	31,384	15,543	4,808	2,864	32,159	13,084	33,241	40,733
Kakamega	95,590	259,003	83,773	226,888	98,415	262,506	100,641	154,619	87,532	132,572
Kericho	32,050	85,815	34,397	92,731	35,068	98,746	40,530	86,114	40,643	111,130
Kiambu	31,447	83,239	31,528	43,259	30,371	25,563	29,174	19,687	30,537	29,692
Kilifi	72,499	45,769	71,782	44,585	53,943	26,176	72,748	47,858	95,674	81,813
Kirinyaga	30,406	45,036	30,505	40,281	30,373	24,388	30,503	13,569	38,467	49,692
Kisii	66,625	144,480	67,286	132,790	65,876	96,249	43,735	79,800	66,221	119,244
Kisumu	50,228	69,956	46,307	67,307	62,600	40,990	54,125	34,569	62,195	105,003
Kitui	76,901	98,046	87,252	27,960	79,035	11,508	62,987	9,198	83,618	36,292
Kwale	65,500	35,485	56,576	34,061	56,128	33,815	23,200	45,502	60,518	61,037
Laikipia	25,260	44,843	26,470	39,422	24,932	34,520	25,055	7,300	29,596	44,264
Lamu	29,350	53,232	37,500	28,325	16,820	4,772	39,502	59,198	45,800	74,318
Machakos	125,358	92,034	133,795	40,927	144,201	59,321	134,048	22,634	138,830	175,493
Makueni	139,024	109,434	146,562	120,000	150,726	88,013	132,910	83,153	136,912	81,363
Mandera	3,071	964	3,708	1,847	3,510	1,818	3,209	2,164	3,209	2,738
Marsabit	998	402	1,023	293	658	46	591	3	2,184	337
Meru	74,577	96,249	67,416	74,757	75,058	53,331	66,338	63,259	142,379	151,039
Migori	80,745	103,965	78,222	95,966	95,034	99,598	85,628	92,591	78,567	101,474

Annex 1: Area and Production of Maize by County, 2019-2023 (Continued)

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Mombasa	481	259	606	803	649	0	842	272	876	878
Murang'a	68,329	74,087	66,381	63,653	62,983	49,256	67,530	47,511	68,399	56,827
Nairobi	725	1,087	684	972	754	571	661	246	758	676
Nakuru	76,706	214,784	64,963	206,151	87,651	242,825	66,315	214,133	71,470	215,412
Nandi	66,627	184,127	59,746	165,866	26,825	64,175	45,674	89,592	67,429	159,556
Narok	111,559	210,005	116,717	202,855	121,809	280,273	127,460	271,468	132,396	314,403
Nyamira	46,870	80,693	42,730	67,563	43,134	61,937	48,280	77,009	48,175	63,424
Nyandarua	13,800	27,795	17,660	39,170	14,070	27,958	20,060	26,880	20,716	46,617
Nyeri	28,874	29,738	26,521	26,251	27,067	19,382	26,984	14,346	31,317	35,280
Samburu	8,580	1,839	10,320	9,756	12,425	12,090	15,870	11,196	6,448	15,298
Siaya	64,387	75,733	63,493	72,351	83,933	53,512	73,521	76,704	77,550	115,191
Taita Taveta	17,069	16,698	10,006	16,643	12,252	3,360	11,464	10,911	13,596	12,393
Tana River	5,311	4,471	5,666	8,222	4,251	958	6,673	8,270	5,734	5,879
Tharaka Nithi	24,436	11,943	18,591	41,601	25,420	30,352	23,640	20,702	26,617	33,808
Trans Nzoia	106,549	426,499	104,850	489,056	105,190	400,402	95,140	340,542	125,065	448,011
Turkana	8,931	5,689	2,475	2,582	1,295	1,154	3,408	453	1,750	1,331
Uasin Gishu	100,081	324,366	106,999	456,574	104,645	385,400	102,820	360,454	117,923	476,538
Vihiga	28,560	38,208	25,134	30,566	22,340	24,191	26,142	25,376	24,921	29,659
Wajir	306	225	98	39	54	19	72	25	132	34
West Pokot	36,720	82,849	32,354	23,400	34,911	53,193	34,780	52,735	49,097	96,010
Total	2,207,325	3,960,385	2,171,697	3,795,175	2,168,603	3,304,430	2,113,520	3,087,220	2,430,013	4,285,206

Source: Ministry of Agriculture and Livestock Development
* Provisional

Annex 2: Area and Production of Sorghum by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Baringo	1,028	1,209	1,467	2,261	1,448	562	1,590	557	1,666	1,822
Bomet	1,535	2,959	2,165	4,920	2,046	4,245	1,777	2,138	734	1,148
Bungoma	532	800	599	916	510	765	516	631	488	762
Busia	10,318	14,996	9,574	11,060	8,865	5,984	5,044	5,079	5,392	7,710
Elgeyo Marakwet	945	932	325	393	740	915	735	936	1,072	1,996
Embu	7,043	8,375	6,425	3,358	5,138	1,389	3,741	1,629	3,857	6,491
Garissa	49	34	81	196	69	71	53	47	130	111
Homa Bay	26,503	27,243	25,377	26,489	20,466	22,691	32,585	20,965	24,740	28,042
Isiolo	37	7	0	0	6	6	0	0	0	0
Kajiado	10	9	10	9	15	22	9	5	2	2
Kakamega	494	618	387	505	656	755	669	446	448	575
Kericho	675	1,215	735	1,440	764	1,375	954	1,288	985	1,064
Kiambu	100	59	0	0	0	0	0	0	28	25
Kilifi	408	580	403	76	391	112	372	42	243	45
Kirinyaga	88	59	93	108	86	71	73	25	110	149
Kisii	146	152	98	80	94	160	85	67	117	98
Kisumu	22,540	21,800	20,740	22,974	20,800	19,742	16,460	11,851	21,500	26,946
Kitui	70,384	125,000	67,872	162,004	70,509	20,494	66,391	19,479	68,755	37,325
Kwale	1,226	1,800	718	574	718	1,026	50	23	308	190
Laikipia	514	559	289	592	193	--	0	0	247	221
Lamu	572	777	800	1,663	30	34	950	960	2,004	2,839
Machakos	10,952	8,584	9,682	4,548	8,095	5,053	9,238	6,008	5,456	2,010
Makueni	10,776	11,380	8,495	8,153	8,256	5,175	7,582	4,725	7,113	2,532
Mandera	937	499	1,255	738	1,204	786	869	616	1,345	1,035
Marsabit	50	16	69	17	69	11	76	3	106	140
Meru	12,918	9,970	10,519	11,903	9,368	7,752	9,603	7,978	10,897	34,340
Migori	11,355	9,080	7,034	4,936	4,381	3,538	4,514	3,374	5,034	3,922
Murang'a	131	117	164	107	223	189	126	79	203	143
Nairobi	7	6	5	3	7	16	4	2	5	4
Nakuru	806	1,486	713	1,054	560	858	480	602	559	856
Nandi	214	340	140	303	127	223	162	269	463	760
Narok	898	1,431	843	1,143	1,525	879	1,044	1,160	1,486	2,391
Nyamira	81	59	44	47	39	45	45	38	65	45
Samburu	8	9	8	5	8	5	5	2	5	2
Siaya	15,634	16,288	16,019	14,925	15,999	15,555	14,643	15,183	15,046	14,876
Taita Taveta	2,435	3,972	2,071	3,327	1,446	987	1,368	849	1,991	1,193
Tharaka Nithi	19,460	12,241	18,097	11,972	19,127	12,337	18,827	11,337	18,843	11,066
Trans Nzoia	307	450	287	386	273	382	315	314	491	988
Turkana	5,682	3,500	5,520	6,736	2,580	3,812	5,108	922	4,843	3,951
Uasin Gishu	83	159	82	59	75	176	96	99	89	217
Vihiga	170	285	136	228	162	121	168	103	193	219
Wajir	327	497	442	199	412	143	279	346	380	324
West Pokot	436	654	162	221	331	431	278	245	301	348
Total	238,814	290,206	219,945	310,628	207,811	138,893	206,884	120,422	207,740	198,923

Source: Ministry of Agriculture and Livestock Development

* Provisional

-- Data not Available

Annex 3: Area and Production of Finger Millet by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Baringo	6,607	4,330	6,279	5,347	5,789	4,218	6,032	5,214	6,480	5,995
Bomet	6,752	3,097	4,802	3,435	4,170	3,321	5,241	3,277	5,822	3,314
Bungoma	910	967	943	1,060	962	1,047	940	1,034	975	1,414
Busia	2,881	2,593	3,144	2,365	3,356	3,828	3,328	2,618	3,334	2,701
Elgeyo Marakwet	3,334	3,277	1,602	1,912	2,471	2,095	2,465	1,860	2,506	2,996
Homa Bay	96	44	40	17	4	2	4	2	4	2
Kajiado	10	2	10	2	9	4	9	3	15	15
Kakamega	384	328	379	319	416	177	457	245	291	189
Kericho	409	368	449	485	539	510	745	671	493	799
Kilifi	39	9	33	6	8	4			30	24
Kirinyaga	13	5	13	7	33	23	56	19	60	98
Kisii	10,520	8,686	8,547	7,053	8,241	6,902	4,067	2,404	7,576	5,835
Kisumu	97	73	67	45	68	61	64	20	83	34
Kwale	4	3	4	3	6	4	0	0	0	0
Laikipia	50	69	14	10	0	0	0	0	0	0
Lamu	535	478	725	775	578	575	595	530	563	535
Machakos	343	53	338	160	1,175	264	148	148	249	170
Makueni	1,708	1,040	2,010	1,198	979	557	320	64	108	97
Meru	5,434	8,151	5,456	7,486	5,605	2,977	5,114	1,739	5,881	2,941
Migori	1,264	1,148	637	410	937	1,114	840	949	932	1,186
Nakuru	671	1,051	461	587	432	568	521	521	590	809
Nandi	203	233	144	210	102	127	132	146	157	251
Narok	1,134	1,178	514	622	1,197	1,348	992	1,210	1,014	1,135
Nyamira	9,437	6,935	8,618	7,260	9,112	6,023	9,341	6,058	9,534	6,613
Siaya	346	165	334	186	76	63	72	52	98	74
Trans Nzoia	744	1,125	484	822	533	836	586	659	676	1,193
Uasin Gishu	328	488	380	695	271	483	279	298	240	420
Vihiga	39	40	36	21	35	27	30	20	20	15
West Pokot	770	793	110	35	430	380	273	208	451	550
Total	55,062	46,729	46,573	42,533	47,534	37,538	42,651	29,969	48,182	39,405

Source: Ministry of Agriculture and Livestock Development
* Provisional

Annex 4: Area and Production of Pearl Millet by County, 2019-2023

	2019		2020		2021		2022		2023	
County	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Embu	6,441	3,706	5,736	2,547	5,900	481	5,847	1,752	6,627	9,557
Kitui	36,277	65,900	41,801	92,157	53,543	13,275	46,332	23,512	49,670	22,292
Makueni	0	0	0	0	0	0	29	6	139	53
Meru	5,434	8,151	4,457	2,345	4,165	4,518	3,857	1,843	8,016	7,672
Tharaka Nithi	20,386	14,115	18,291	12,381	19,026	7,889	9,720	2,377	17,290	7,783
Total	68,538	91,872	70,285	109,430	82,634	26,163	65,785	29,490	81,742	47,357

Source: Ministry of Agriculture and Livestock Development
* Provisional



Annex 5: Area and Production of Dry Beans by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Nakuru	45,977	36,575	39,555	38,884	61,027	42,148	76,260	94,741	50,835	99,926
Meru	98,235	36,025	80,783	43,593	81,119	51,031	76,210	46,847	131,624	54,244
Machakos	64,880	30,123	73,015	32,341	78,628	28,788	89,222	15,346	89,098	53,826
Trans Nzoia	62,428	25,202	54,893	25,061	52,418	18,868	57,650	51,734	61,462	47,842
Bungoma	78,930	56,775	78,644	51,186	87,218	59,962	87,724	49,948	63,445	45,073
Narok	48,121	34,728	44,951	28,789	49,599	44,813	52,813	39,352	48,245	44,773
Kakamega	60,653	34,869	51,851	27,031	65,341	31,320	72,882	31,120	49,279	43,540
Kajiado	49,621	31,812	49,821	43,846	2,370	1,576	49,930	24,286	47,957	42,525
Elgeyo Marakwet	20,260	7,847	19,858	8,856	19,872	7,634	19,540	6,356	25,610	28,578
Kericho	17,528	14,935	18,492	11,812	18,222	20,482	22,151	21,815	23,261	25,336
Kisii	49,799	24,149	48,645	28,090	47,594	31,199	34,104	21,780	48,336	24,392
Uasin Gishu	14,668	8,127	18,389	15,023	19,389	14,085	17,045	12,600	22,430	23,560
Makueni	38,880	27,575	38,631	31,218	40,186	24,446	49,800	9,960	52,656	23,552
Kirinyaga	20,470	7,190	19,216	8,994	19,943	6,850	24,431	6,790	21,816	23,335
Migori	33,575	24,198	37,995	27,609	39,279	28,594	33,548	32,630	36,199	23,267
Kisumu	26,243	19,753	22,551	14,748	25,130	10,167	26,980	10,873	30,755	23,247
Baringo	21,020	19,977	20,914	24,647	19,669	16,240	23,804	21,616	23,677	22,501
Nandi	32,088	23,179	25,116	18,295	19,998	16,278	32,840	27,519	30,277	21,830
Homa Bay	48,558	29,696	49,900	32,850	43,074	30,340	38,739	25,436	28,052	20,308
West Pokot	15,696	10,992	17,261	7,644	15,900	5,317	14,843	4,295	25,166	19,962
Murang'a	46,997	16,606	46,011	17,417	44,757	21,205	96,203	19,967	46,051	18,186
Busia	21,083	21,412	31,065	24,034	22,314	13,309	21,528	16,583	23,069	18,090
Siaya	33,194	17,197	31,942	17,286	39,931	18,844	35,005	16,747	36,840	14,100
Tharaka Nithi	13,866	6,873	13,684	16,621	8,905	7,026	18,675	5,563	17,232	13,895
Bomet	32,273	42,592	30,570	41,923	29,255	28,179	29,891	30,320	12,803	12,377
Kitui	34,938	33,498	32,298	16,044	34,320	6,106	33,539	10,822	33,024	10,948
Nyamira	33,090	23,150	31,830	26,574	31,435	19,162	31,182	30,168	30,021	10,684
Embu	22,758	13,402	20,376	14,143	21,360	13,800	21,280	18,151	21,380	10,308
Kiambu	25,926	19,538	26,284	27,700	24,911	13,343	24,263	10,819	24,288	10,007
Nyeri	21,675	8,950	20,525	11,214	18,773	7,865	16,994	5,378	18,340	6,464
Laikipia	15,962	11,698	14,535	13,331	14,935	3,609	8,802	2,913	11,975	6,252
Vihiga	23,680	17,605	20,260	16,657	19,378	12,420	19,378	18,308	18,918	6,172
Samburu	4,817	724	4,854	842	3,244	3,625	5,380	1,735	4,897	4,615
Taita Taveta	2,600	1,383	2,687	2,224	3,481	3,531	2,942	3,036	3,837	3,332
Nyandarua	6,505	4,174	8,822	7,188	7,000	6,017	1,655	1,337	5,542	3,183
Kwale	308	98	299	116	299	116	299	2,914	324	227
Nairobi	508	281	518	331	549	287	533	232	588	227
Marsabit	450	155	521	173	534	199	310	3	476	226
Isiolo	314	79	90	7	155	115	134	74	114	42
Kilifi	52	31	50	18	50	18	58	35	57	19
Tana River	52	45	3	3	3	3	3	2	4	2
Total	1,188,678	743,218	1,147,705	774,363	1,131,565	668,916	1,268,568	750,152	1,219,960	860,973

Source: Ministry of Agriculture and Livestock Development

* Provisional

Annex 6: Area and Production of Cowpeas by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production(Tonnes)	Area(Ha)	Production(Tonnes)	Area(Ha)	Production(Tonnes)	Area(Ha)	Production(Tonnes)	Area(Ha)	Production(Tonnes)
Makueni	58,448	44,031	68,115	56,426	63,808	64,510	41,959	25,175	68,023	52,059
Kitui	86,314	70,295	83,661	70,111	80,938	17,868	79,018	53,972	79,095	50,587
Machakos	30,127	13,342	22,726	13,432	26,359	10,611	19,142	6,229	27,263	15,766
Tharaka Nithi	15,733	7,580	14,034	5,530	14,840	5,313	7,805	2,445	12,945	13,972
Embu	8,404	4,967	6,930	5,407	7,686	2,433	9,455	3,722	9,302	9,142
Kilifi	7,770	2,651	10,403	2,966	7,117	1,674	8,040	1,714	10,007	5,725
Lamu	6,200	4,575	6,950	9,630	5,100	2,260	9,370	5,720	9,350	5,708
Meru	7,132	4,398	8,023	2,853	5,279	4,601	5,307	3,154	8,993	3,893
Kwale	3,534	1,080	5,034	1,736	8,411	4,206	4,560	2,450	5,687	3,396
Tana River	947	808	1,602	1,544	811	920	2,058	2,516	2,080	2,809
Homa Bay	805	804	2,106	1,458	631	396	661	664	1,438	1,378
Kakamega	3,725	4,081	1,586	2,471	4,543	3,853	1,340	481	1,762	1,291
Kisumu	5,026	3,497	4,916	2,807	3,505	2,245	3,828	2,235	6,140	1,257
Taita Taveta	1,662	765	2,005	1,253	1,628	979	1,851	940	2,009	925
Baringo	632	398	761	900	701	580	946	993	919	860
Mandera	1,161	258	1,267	385	1,253	493	1,263	499	1,134	607
Busia	679	820	889	807	639	751	649	541	558	411
Murang'a	647	242	653	295	646	330	662	291	663	280
Siaya	617	326	589	420	260	160	240	115	164	231
Turkana	22	17	6	6	69	57	260	235	318	215
Mombasa	122	67	154	139	148	32	173	42	193	163
Kiambu	182	99	179	98	169	142	162	163	160	159
Elgeyo Marakwet	125	66	135	72	132	86	118	72	183	142
Migori	497	320	525	361	310	225	219	191	151	126
Wajir	56	25	58	30	54	20	37	16	62	109
Vihiga	13	20	10	16	20	12	18	12	64	100
Samburu	78	45	50	0	40	40	66	39	98	97
Kisii	45	21	42	20	9	3	82	635	64	77
Marsabit	106	26	75	20	70	4	72	1	112	60
Kajiado	291	168	226	246	142	52	180	57	105	47
Nyamira	55	83	80	128	60	108	61	83	70	46
West Pokot	31	22	32	25	82	48	65	26	60	42
Garissa	112	61	80	117	93	87	68	66	48	25
Nakuru	91	62	91	93	71	57	36	21	28	25
Kirinyaga	197	60	225	50	86	26	10	6	48	21
Bungoma	390	361	185	434	191	189	87	57	25	20
Narok	13	15	31	29	27	25	20	14	24	17
Isiolo	101	135	41	1	40	32	20	10	27	8
Nairobi	20	13	19	43	16	14	12	6	12	7
Total	242,110	166,604	244,494	182,359	235,984	125,442	199,920	115,608	249,384	171,803

Source: Ministry of Agriculture and Livestock Development

* Provisional

Annex 7: Area and Production of Green grams by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Kitui	122,902	86,323	93,851	87,448	94,415	31,691	94,836	43,625	113,479	79,435
Makueni	76,436	50,009	80,286	58,625	69,955	42,610	75,559	26,446	76,212	39,903
Tharaka Nithi	30,385	8,375	29,677	14,296	31,009	12,172	13,630	3,271	28,340	11,336
Machakos	20,597	8,771	19,612	10,522	20,245	9,352	16,571	8,664	24,280	11,265
Lamu	9,760	9,760	9,383	7,882	6,450	2,395	8,796	7,477	10,555	10,027
Meru	5,907	2,191	7,570	6,054	8,017	4,454	5,138	4,233	13,561	7,323
Embu	12,008	5,622	12,248	7,552	11,537	4,634	11,667	4,710	12,042	6,025
Kwale	6,525	1,737	6,777	2,396	6,028	3,052	6,472	3,132	6,539	3,335
Kisumu	4,632	2,274	3,890	2,497	3,990	1,697	4,155	2,129	4,220	2,827
Kilifi	5,857	2,890	7,819	2,581	9,307	1,910	8,046	2,111	9,260	2,778
Taita Taveta	3,037	2,803	3,527	3,462	2,942	3,043	2,954	1,329	3,305	2,280
Tana River	1,453	1,368	1,220	1,391	1,260	1,260	1,268	1,522	1,300	1,690
Baringo	684	494	1,055	980	659	732	739	530	751	901
Homa Bay	667	426	738	518	603	675	612	574	936	885
Elgeyo Marakwet	743	287	743	320	644	254	581	196	703	413
Siaya	673	429	669	360	773	255	665	194	695	334
Migori	1,220	893	294	199	259	130	168	130	221	213
Turkana	148	151	4	4	0	0	190	47	292	204
Kirinyaga	281	110	202	53	162	29	121	10	210	162
Bungoma	222	243	349	339	250	258	165	84	237	135
Busia	245	146	228	97	209	90	219	107	225	104
Nakuru	0	0	0	0	0	0	0	0	100	104
Murang'a	166	64	164	92	177	113	350	187	175	97
Mandera	86	41	87	71	94	28	118	86	94	91
West Pokot	175	108	90	57	123	69	81	41	125	81
Marsabit	95	16	77	17	91	11	91	4	146	78
Kajiado	134	67	39	28	20	28	38	18	87	48
Trans Nzoia	0	0	0	0	0	0	0	0	53	44
Mombasa	45	24	46	33	58	7	50	10	57	39
Garissa	82	61	18	27	28	37	21	23	77	34
Isiolo	115	44	16	9	44	17	22	18	47	27
Kakamega	2	1	4	2	69	8	110	41	30	22
Kiambu	22	17	16	16	16	14	16	8	20	13
Samburu	15	3	10	2	8	2	9	3	10	4
Nairobi	5	4	9	11	5	4	6	3	4	3
Total	305,324	185,752	280,718	207,941	269,447	121,031	253,464	110,963	308,388	182,260

Source: Ministry of Agriculture and Livestock Development

* Provisional

Annex 8: Area and Production of Pigeon peas by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Makueni	58,511	48,770	70,394	65,056	65,279	62,800	119,976	77,679	133,334	91,932
Meru	16,024	17,450	5,574	5,352	5,584	5,152	26,364	25,890	39,702	30,929
Machakos	23,008	10,675	18,441	12,037	18,120	12,659	56,914	27,051	59,450	24,514
Kitui	23,004	23,123	26,082	32,807	25,355	17,215	41,406	20,392	42,870	21,680
Tharaka Nithi	12,642	6,664	10,872	6,507	10,377	5,016	16,480	5,990	20,892	12,596
Taita Taveta	172	65	144	78	263	24	768	158	992	670
Lamu	0	0	0	0	0	0	530	318	500	300
Embu	2,409	334	1,013	724	1,035	497	2,280	1,341	1,720	282
Murang'a	191	152	198	125	198	158	558	413	379	227
Migori	244	190	168	50	161	71	190	300	155	124
Kiambu	69	64	72	90	72	88	138	126	158	87
Laikipia	30	18	0	35	0	28	0	32	172	70
Nakuru	46	45	51	62	34	25	71	60	68	63
Kajiado	42	38	82	30	40	96	202	84	100	62
Kirinyaga	88	28	127	71	36	17	107	43	117	47
Kilifi	50	8	92	28	75	22	86	24	165	35
Baringo	6	12	6	3	6	4	7	5	14	15
Nairobi	8	4	5	10	5	6	14	12	10	10
Kwale	6	5	8	9	6	1	13	9	9	8
Total	136,550	107,645	133,329	123,074	126,646	103,879	266,104	159,927	300,807	183,651

Source: Ministry of Agriculture and Livestock Development
* Provisional



Annex 9: Area and Production of Irish Potatoes by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Nakuru	39,195	431,145	29,868	372,103	40,285	422,207	46,731	523,324	49,981	657,091
Nyandarua	38,130	423,490	38,805	428,269	37,590	384,323	19,590	101,099	43,587	437,748
Elgeyo Marakwet	32,242	399,276	32,005	374,379	31,370	425,964	28,670	276,700	25,143	259,252
Meru	17,441	130,185	21,017	141,926	17,392	224,747	20,520	185,731	24,604	236,407
Narok	12,077	138,388	15,236	150,536	14,560	135,176	12,742	87,981	14,975	140,615
Kiambu	19,740	90,000	16,403	112,743	18,955	123,904	19,156	97,539	19,206	102,645
Nyeri	16,118	123,280	16,358	95,994	16,469	94,420	14,711	97,669	16,447	97,975
West Pokot	1,800	26,563	1,750	17,500	2,517	24,365	1,858	16,135	8,009	96,109
Uasin Gishu	4,053	40,000	7,189	54,367	7,237	56,659	6,856	50,853	7,699	55,590
Laikipia	9,373	50,283	5,136	36,876	8,480	40,270	19,258	53,762	6,099	47,857
Bomet	4,193	41,468	3,505	35,504	3,526	36,320	6,680	78,135	3,935	37,383
Baringo	3,733	39,084	3,597	39,207	3,363	45,215	3,504	29,998	3,565	37,205
Bungoma	3,164	31,643	1,946	19,734	1,883	24,936	9,436	100,694	2,153	27,217
Murang'a	6,642	22,753	6,548	22,484	6,314	32,708	14,949	66,314	7,470	26,037
Trans Nzoia	1,653	15,000	1,675	9,750	1,758	9,940	2,765	33,180	1,635	13,181
Kajiado	1,028	4,335	1,378	6,845	1,073	4,431	1,459	14,119	1,699	10,874
Kericho	559	5,031	595	4,601	618	6,798	546	6,006	704	8,518
Nandi	480	6,010	518	6,509	483	6,085	629	7,548	644	6,611
Kirinyaga	504	3,442	505	5,845	579	5,565	219	460	352	3,001
Taita Taveta	33	561	36	578	738	1,360	739	619	553	2,467
Samburu	80	480	40	325	20	160	50	450	322	2,355
Embu	236	2,270	268	1,995	274	2,057	281	2,592	295	2,101
Tharaka Nithi	64	652	62	620	50	525	20	4	61	538
Kisii	53	438	34	510	43	595	24	152	46	382
Makueni	11	110	11	110	46	262	45	270	75	330
Nairobi	23	161	10	69	35	246	19	99	26	135
Nyamira	22	255	13	141	18	190	22	220	20	122
Kakamega	22	143	17	135	23	196	14	125	8	90
Homa Bay	0	0	0	0	0	0	3	9	13	79
Kwale	0	0	30	22	30	22	30	22	10	0
Total	212,669	2,026,446	204,555	1,939,677	215,729	2,109,646	231,525	1,831,809	239,336	2,309,915

Source: Ministry of Agriculture and Livestock Development
* Provisional

Annex 10: Area and Production of Sweet Potatoes by County, 2019-2023

County	2019		2020		2021		2022		2023	
	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)	Area(Ha)	Production (Tonnes)
Homa Bay	15,151	198,363	14,384	198,744	14,009	185,282	12,807	169,767	13,483	164,545
Migori	8,952	119,105	3,698	62,796	10,616	109,679	7,685	126,705	10,078	152,024
Siaya	4,113	63,130	5,154	71,504	4,935	60,938	6,345	59,070	6,918	82,794
Busia	3,101	86,356	3,388	62,297	1,980	39,600	3,073	46,485	3,938	59,325
Kisumu	2,314	33,735	2,365	35,475	2,682	22,500	2,654	22,597	2,951	28,969
Bungoma	6,262	86,356	5,659	76,609	5,443	88,994	1,789	28,808	1,613	21,612
Kakamega	3,769	16,001	4,018	17,802	3,345	22,031	2,966	22,138	2,996	20,729
Meru	1,093	9,698	1,118	10,314	865	7,458	997	14,386	1,308	18,099
Narok	1,146	13,155	1,420	15,503	1,186	11,982	994	17,900	1,214	14,069
Kiambu	1,153	9,833	1,175	11,516	1,119	9,473	855	8,348	880	9,919
Lamu	509	1,018	516	764	2	10	268	7,722	284	8,961
Taita Taveta	193	3,470	190	4,350	190	4,413	164	3,510	376	6,191
Murang'a	383	4,231	408	3,978	502	6,471	506	3,574	557	6,063
Kisii	630	9,536	869	13,299	565	7,295	586	5,795	550	6,046
West Pokot	38	388	15	170	18	132	3	15	431	5,903
Trans Nzoia	432	6,386	501	5,491	480	6,062	401	4,997	422	5,362
Kirinyaga	556	5,418	656	5,632	1,033	12,806	371	2,641	409	5,117
Kwale	1,050	6,077	1,229	5,656	1,092	4,900	996	4,918	869	4,358
Vihiga	395	2,975	316	2,380	320	3,729	298	3,267	353	4,300
Nyeri	144	943	142	1,724	132	1,752	158	1,068	232	4,286
Embu	277	2,858	308	4,206	342	4,321	236	1,239	397	4,247
Bomet	1,054	19,380	1,117	22,540	1,223	24,810	1,287	23,152	782	4,152
Baringo	97	630	96	966	25	463	18	302	152	4,004
Kericho	258	2,322	299	2,530	497	5,467	447	4,710	311	3,958
Machakos	1,843	4,811	2,368	10,945	2,216	8,397	1,312	663	813	3,426
Nyamira	372	10,100	324	3,525	320	3,530	289	2,995	298	3,410
Tana River	71	710	48	720	46	39	69	1,241	133	2,801
Nandi	275	4,066	166	2,407	133	2,080	170	2,447	166	2,389
Turkana	0	0	0	0	0	0	18	85	145	2,281
Kitui	353	2,425	295	1,629	126	226	180	326	450	2,062
Elgeyo Marakwet	89	1,048	115	1,391	82	1,292	75	997	109	1,671
Makueni	550	5,890	735	6,517	589	4,870	404	3,787	190	1,380
Tharaka Nithi	269	2,840	300	2,399	298	2,252	95	390	116	1,032
Samburu	0	0	0	0	0	0	19	143	58	693
Uasin Gishu	104	1,203	93	1,124	20	216	28	319	40	646
Nakuru	133	1,023	127	1,609	153	1,586	93	416	97	529
Kilifi	152	1,890	171	1,200	94	267	59	332	121	491
Mombasa	26	260	73	730	20	150	23	195	30	331
Laikipia	152	1,087	70	338	140	429	40	149	60	313
Isiolo	0	0	8	2	16	280	20	87	32	253
Nairobi	31	267	24	130	36	221	20	130	30	223
Kajiado	44	146	42	140	22	38	27	49	27	88
Nyandarua	4	10	6	45	6	45	5	34	6	47
Total	57,538	739,140	54,006	671,097	56,918	666,486	48,850	597,900	54,423	669,100

Source: Ministry of Agriculture and Livestock Development

* Provisional

-- Data not Available

INDUSTRIAL CROPS

Annex 11: Clean Coffee Production by County, Crop Year 2021/2022 - 2022/2023

County	2018/19			2019/20			2020/21			2021/22			2022/23		
	Co-op Society	Estate	Total	Co-op Society	Estate	Total	Co-op Society	Estate	Total	Co-op Society	Estate	Total	Co-op Society	Estate	Total
Baringo	109.0	26.5	135.5	59.9	33.2	93.1	131.2	15.8	147.0	151.0	26.5	177.5	158.3	25.2	183.6
Bomet	27.5	0.1	27.6	12.5	0.1	12.6	20.6	10.5	31.2	18.5	24.5	43.0	15.6	23.3	38.9
Bungoma	2,129.8	49.8	2,179.6	2,025.2	80.1	2,105.3	1,837.8	59.3	1,897.0	2,886.9	81.3	2,968.1	2,495.4	77.5	2,572.8
Busia	3.0	-	3.0	6.0	-	6.0	8.6	-	8.6	0.3	-	0.3	33.3	-	33.3
Elgeyo Marakwet	52.9	6.0	58.9	38.6	4.9	43.5	46.9	27.5	74.3	59.5	35.5	95.0	61.5	33.8	95.4
Embu	2,069.6	177.0	2,246.6	2,404.6	156.6	2,561.2	1,429.2	163.5	1,592.7	2,124.2	219.6	2,343.8	1,722.7	209.3	1,932.0
Homa Bay	63.3	-	63.3	35.4	-	35.4	14.2	2.2	16.4	10.8	0.9	11.7	15.3	0.9	16.2
Kajiado	-	1.6	1.6	-	-	-	-	5.9	5.9	-	7.2	7.2	-	6.9	6.9
Kakamega	23.9	5.1	29.0	13.7	1.6	15.3	13.7	4.8	18.5	16.7	11.4	28.2	18.0	10.9	28.9
Kericho	3,511.0	346.7	3,857.7	1,865.6	332.0	2,197.7	2,464.9	500.4	2,965.3	3,524.0	802.3	4,326.3	3,959.4	764.7	4,724.1
Kiambu	1,116.1	8,639.2	9,755.3	1,127.8	6,340.0	7,467.9	1,185.1	6,619.0	7,804.1	1,967.6	8,669.4	10,637.0	1,867.5	7,592.7	9,460.3
Kirinyaga	6,016.7	426.2	6,442.9	5,059.7	384.5	5,444.1	5,637.5	390.8	6,028.2	8,292.0	485.0	8,777.0	7,943.2	462.3	8,405.5
Kisii	928.2	492.2	1,420.3	1,721.9	551.8	2,273.7	264.6	283.4	548.0	512.7	704.1	1,216.8	476.9	671.0	1,147.9
Kisumu	8.2	61.6	69.8	1.9	11.1	12.9	0.5	41.0	41.6	1.9	54.6	56.5	10.5	52.0	62.5
Laikipia	4.8	-	4.8	3.9	-	3.9	4.4	-	4.4	7.4	-	7.4	5.8	4.6	10.4
Machakos	2,192.5	361.0	2,553.6	588.3	547.6	1,136.0	517.0	214.5	731.5	818.4	480.0	1,298.4	825.0	457.5	1,282.4
Makueni	92.3	16.6	108.9	111.0	9.6	120.6	40.9	11.2	52.1	76.2	5.4	81.7	55.9	5.2	61.0
Meru	1,418.7	174.3	1,593.0	1,394.9	137.5	1,532.4	1,450.8	171.6	1,622.3	2,301.1	205.1	2,506.2	2,170.4	195.5	2,365.9
Migori	150.4	3.5	154.0	129.5	5.2	134.8	92.8	7.4	100.2	58.2	7.4	65.6	50.6	7.1	57.6
Murang'a	3,323.7	716.4	4,040.1	3,636.4	1,064.4	4,700.8	2,292.6	807.5	3,100.1	4,615.5	942.9	5,558.4	4,231.0	898.6	5,129.7
Nairobi	-	132.7	132.7	-	6.1	6.1	-	113.9	113.9	-	17.7	17.7	-	16.9	16.9
Nakuru	201.7	741.9	943.5	93.5	277.9	371.5	234.8	597.6	832.4	261.7	415.1	676.8	223.8	395.6	619.4
Nandi	822.0	26.9	848.9	538.4	37.8	576.2	808.2	185.2	993.3	1,215.2	231.3	1,446.6	1,331.4	220.5	1,551.8
Narok	2.2	-	2.2	1.4	-	1.4	9.1	-	9.1	-	77.8	77.8	5.3	74.1	79.5
Nyamira	559.7	214.4	774.1	815.6	198.0	1,013.6	157.3	138.0	295.3	465.2	335.8	801.0	414.3	320.0	734.4
Nyeri	4,486.2	831.7	5,317.9	3,604.9	345.7	3,950.6	3,258.1	435.2	3,693.3	5,965.7	857.3	6,822.9	5,498.6	817.0	6,315.7
Siaya	-	-	-	476.6	54.7	531.3	0.3	-	0.3	-	-	-	1.2	0.2	1.4
Taita Taveta	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0
Tharaka-Nithi	1,285.3	100.9	1,386.2	102.0	378.1	480.1	780.8	80.1	861.0	785.2	88.4	873.6	721.7	84.2	805.9
Trans Nzoia	229.6	520.0	749.6	10.1	14.2	24.3	97.4	688.5	785.9	97.6	686.0	783.6	113.7	653.8	767.4
Uasin Gishu	24.2	31.2	55.3	0.9	-	0.9	8.9	95.5	104.4	-	80.7	80.7	15.5	76.9	92.5
Vihiga	0.6	-	0.6	19.7	-	19.7	0.3	-	0.3	0.2	-	0.2	4.3	1.8	6.0
West Pokot	30.5	-	30.5	-	-	-	32.5	1.1	33.6	33.6	0.3	33.9	42.0	0.3	42.3
Total	30,883.6	14,103.4	44,987.0	25,900.1	10,972.7	36,872.8	22,840.6	11,671.5	34,512.2	36,267.3	15,553.4	51,820.7	34,488.1	14,160.4	48,648.5

Annex 12: Comparative performance of the sugar industry by county, 2019-2023

COUNTY	AREA UNDER CANE (HA)					AREA HARVESTED (HA)*					CANE DELIVERIES (TONNES)*					SUGAR PRODUCTION (TONNES)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
BUNGOMA	37,305.0	38,688.0	39,430.0	41,153.0	50,628.0	13,514.0	17,303.0	16,494.0	20,018.0	15,766.4	870,113.0	1,314,129.0	1,354,220.0	1,493,299.0	1,084,955.0	83,313.0	116,498.0	123,811.0	135,173.0	92,409.0
KAKAMEGA	34,550.0	37,207.0	44,276.0	57,466.0	47,866.0	12,516.0	16,641.0	18,522.0	27,952.0	14,906.1	805,854.0	1,263,824.0	1,520,655.0	2,085,241.0	1,025,755.0	77,160.0	112,038.0	139,027.0	188,756.0	87,367.0
KISUMU	29,042.0	27,703.0	28,673.0	27,448.0	29,516.0	10,521.0	12,390.0	11,995.0	13,351.0	9,191.7	677,384.0	940,998.0	984,771.0	995,992.0	632,519.0	64,859.0	83,420.0	90,033.0	90,157.0	53,874.0
BUSIA	17,596.0	17,777.0	17,221.0	20,692.0	22,337.0	6,374.0	7,951.0	7,204.0	10,065.0	6,956.0	410,414.0	603,838.0	591,454.0	750,840.0	478,674.0	39,297.0	53,530.0	54,074.0	67,966.0	40,770.0
MIGORI	15,511.0	19,514.0	10,326.0	16,976.0	17,498.0	5,619.0	8,728.0	4,320.0	8,257.0	5,449.2	361,783.0	662,839.0	354,645.0	616,000.0	374,981.0	34,640.0	58,761.0	32,424.0	55,760.0	31,938.0
TRANS NZOIA	7,025.0	4,604.0	7,638.0	6,958.0	6,269.0	2,545.0	2,059.0	3,195.0	3,384.0	1,952.2	163,853.0	156,386.0	262,326.0	252,482.0	134,341.0	15,689.0	13,864.0	23,983.0	22,855.0	11,442.0
UASIN GISHU	1,878.0	3,041.0	4,049.0	3,274.0	3,883.0	680.0	1,360.0	1,694.0	1,593.0	1,209.0	43,803.0	103,295.0	139,063.0	118,802.0	83,215.0	4,194.0	9,157.0	12,714.0	10,754.0	7,088.0
NANDI	14,798.0	14,538.0	17,175.0	17,227.0	23,801.0	5,361.0	6,502.0	7,185.0	8,380.0	7,412.0	345,153.0	493,818.0	589,874.0	625,108.0	510,054.0	33,048.0	43,777.0	53,930.0	56,585.0	43,443.0
KERICHO	4,572.0	7,443.0	10,625.0	9,661.0	14,751.0	1,656.0	3,329.0	4,445.0	4,699.0	4,593.7	106,639.0	252,819.0	364,915.0	350,564.0	316,110.0	10,211.0	22,412.0	33,363.0	31,733.0	26,924.0
HOMABAY	7,532.0	6,386.0	14,104.0	13,692.0	14,311.0	2,729.0	2,856.0	5,900.0	6,660.0	4,456.8	175,679.0	216,916.0	484,401.0	496,835.0	306,691.0	16,821.0	19,230.0	44,287.0	44,973.0	26,122.0
NAROK	15,442.0	15,273.0	18,524.0	19,211.0	17,447.0	5,594.0	6,831.0	7,749.0	9,345.0	5,433.3	360,174.0	518,784.0	636,205.0	697,100.0	373,890.0	34,486.0	45,990.0	58,166.0	63,101.0	31,846.0
KISII	2,151.0	1,103.0	2,475.0	648.0	1,759.0	779.0	493.0	1,035.0	315.0	548.0	50,171.0	37,466.0	85,004.0	23,514.0	37,688.0	4,804.0	3,321.0	7,772.0	2,128.0	3,210.0
SIAYA	548.0	543.0	539.0	635.0	1,485.0	199.0	243.0	225.0	309.0	462.4	12,782.0	18,444.0	18,512.0	23,042.0	31,817.0	1,224.0	1,635.0	1,692.0	2,086.0	2,710.0
KWALE	9,488.0	6,693.0	7,382.0	7,467.0	7,467.0	3,437.0	2,993.0	3,088.0	3,632.0	2,325.3	221,301.0	227,344.0	253,534.0	270,951.0	160,011.0	21,189.0	20,154.0	23,180.0	24,526.0	13,629.0
VIHIGA	0.0	-	569.0	-	-	-	-	238.0	-	-	-	-	19,542.0	-	-	-	-	1,787.0	-	-
Total	197,438	200,513	223,006	242,508	259,018	71,524	89,679	93,289	117,960	80,662	4,605,103	6,810,900	7,659,121	8,799,770	5,550,701	440,935	603,787	700,243	796,553	472,772

* Calculated
Source: AFA - Sugar Directorate

Annex 13: Area under Sisal and production trends, 2019 -2023

County	2019		2020		2021		2022		2023	
	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)	Area (Ha)	Production (Tonnes)
Makueni	5,250.0	6,775.0	5,250.0	6,651.1	5,250.0	6,279.2	5,250.0	6,975.5	5,250.0	6,108.4
Kilifi	4,599.0	4,681.5	4,599.0	4,674.7	5,250.0	3,639.1	5,250.0	4,220.3	5,250.0	3,752.3
Taita Taveta	12,175.0	10,234.0	12,175.0	10,975.4	11,524.0	15,615.9	11,524.0	12,564.0	11,524.0	8,789.6
Baringo	2,520.0	688.9	2,520.0	2,275.5	2,520.0	2,524.8	2,520.0	2,371.1	2,520.0	2,182.5
Nakuru	4,200.0	1747.09	4,200.0	2,947.7	4,200.0	2,905.7	4,200.0	3,005.1	5,288.0	2,678.4
Kwale	5,880.0	2,282.0	5,880.0	2,120.0	5,880.0	2,814.0	5,880.0	1,716.2	5,880.0	983.0
SUB-TOTAL ESTATES	34,624.0	24,661.4	34,624.0	29,644.4	34,624.0	33,778.6	34,624.0	30,852.1	35,712.0	24,494.2
OTHERS*	6,072.0	626.8	6,077.0	683.0	5,000.0	1,244.2	2,335.0	1,399.0	731.0	1,083.0
GRAND TOTAL	40,696.0	25,288.2	40,701.0	30,327.4	39,624.0	35,022.8	36,959.0	32,251.1	36,443.0	25,577.2

* Main counties include Kitui, Makueni, Machakos, Taita Taveta, Siaya, Baringo, Homa Bay, Migori and Kisumu (small holder).

Source: AFA - Fibre Crops Directorate



Annex 14: Lint Production and Value by County, 2019-2023

COUNTY	Production (Bales Number)					Value of Lint (KSh)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
Baringo	171.0	283.0	134.0	158.0	232.0	6,016,666.7	9,424,896.0	4,354,166.7	7,488,800.0	9,773,382.5
Bungoma	76.0	93.7	5.0	12.0	55.0	2,660,000.0	3,120,000.0	158,333.3	529,420.0	2,343,250.0
Busia	115.0	270.3	69.0	123.0	301.0	4,053,333.3	9,000,000.0	2,258,529.0	5,844,180.0	12,805,076.7
Elgeyo Marakwet	70.0	54.2	38.0	16.0	16.0	2,470,000.0	1,805,340.0	1,236,266.7	651,200.0	664,150.0
Embu	27.0	98.5	14.0	21.0	48.0	950,000.0	3,281,700.0	445,866.7	763,946.5	1,987,891.1
Homa Bay	450.0	843.2	437.0	877.0	844.0	15,833,333.3	28,080,000.0	14,196,565.7	37,444,000.0	37,073,260.0
Isiolo	-	8.3	-	-	3.0	-	276,060.0	-	-	141,700.0
Kakamega	-	10.3	-	-	-	-	342,000.0	-	-	-
Kilifi	45.0	56.3	4.0	50.0	129.0	1,583,333.3	1,875,067.6	117,863.3	2,238,500.0	5,474,602.8
Kirinyaga	9.0	14.2	13.0	15.0	20.0	316,666.7	474,000.0	432,883.3	492,100.0	857,366.5
Kisumu	153.0	141.9	67.0	199.0	72.0	5,383,333.3	4,726,278.0	2,179,616.7	8,628,400.0	3,022,530.0
Kitui	432.0	535.9	194.0	200.0	201.0	15,200,000.0	17,845,920.0	6,315,590.5	9,262,127.1	8,323,350.0
Kwale	45.0	49.5	25.0	58.0	38.0	1,583,333.3	1,650,000.0	823,333.3	2,442,000.0	1,666,000.0
Laikipia	-	-	-	-	-	-	-	-	-	-
Lamu	1,892.0	1,551.5	395.0	4,085.0	3,894.0	66,500,000.0	51,664,100.0	12,830,776.0	163,281,551.7	180,610,841.7
Machakos	153.0	83.4	60.0	12.0	7.0	5,383,333.3	2,778,720.0	1,937,050.0	659,746.2	303,333.3
Makueni	105.0	211.6	60.0	29.0	119.0	3,673,333.3	7,046,880.0	1,944,776.7	976,800.0	5,209,186.7
Meru	483.0	1,250.4	411.0	231.0	439.0	16,973,333.3	41,636,773.3	13,352,972.0	10,337,087.0	15,057,794.5
Migori	81.0	5.4	20.0	4.0	1.0	2,850,000.0	180,000.0	634,000.0	203,500.0	56,000.0
Murang'a	9.0	1.8	-	-	-	316,666.6	60,000.0	-	-	-
Siaya	820.0	340.4	372.0	597.0	345.0	28,816,666.7	11,334,990.0	12,114,210.0	27,531,118.0	14,074,800.0
Taita Taveta	81.0	53.7	35.0	67.0	92.0	2,850,000.0	1,786,830.0	1,147,093.3	2,686,200.0	4,212,800.0
Tana River	76.0	64.4	126.0	-	8.0	2,660,000.0	2,146,080.0	4,103,810.0	-	346,666.7
Tharaka Nithi	135.0	84.1	47.0	26.0	142.0	4,750,000.0	2,801,340.0	1,540,174.8	1,144,244.3	6,139,866.6
Uasin Gishu	-	-	1.0	-	-	-	-	31,667.0	-	-
West Pokot	4.0	-	-	-	-	126,666.7	-	-	-	-
Total	5,432.0	6,106.2	2,527.0	6,780.0	7,006.0	190,949,999.8	203,336,975.0	82,155,545.0	282,604,920.6	310,143,849.0

Lint-Bales - no. (1 bale = 185 Kg)

Annex 15: Population of Cattle, Sheep and goats by county for the year 2021

County	Cattle		Sheep		Goats	
	Dairy_Cattle	Beef_Cattle	Wool_sheep	Hair_sheep	Dairy_Goats	Meat_Goats
Baringo	148,211	373,807	15,509	527,622	6,360	953,741
Bomet	320,264	7,639	84,567	81,305	79,548	71,436
Bungoma	149,227	267,138	-	135,409	7,461	124,792
Busia	36,969	268,119	-	45,012	2,520	98,794
Elgeyo Marakwet	281,015	170,631	212,434	216,471	1,533	425,125
Embu	130,549	172,050	-	55,126	47,520	322,720
Garissa	268	1,337,617	-	1,154,202	129	2,374,679
Homa Bay	12,836	350,795	-	260,573	4,567	511,637
Isiolo	11,155	274,055	-	1,009,385	1,252	1,111,246
Kajiado	133,226	652,856	-	1,244,854	3,332	1,177,771
Kakamega	177,578	281,678	410	147,726	11,531	113,363
Kericho	262,933	107,072	11,609	50,458	1,893	75,767
Kiambu	265,809	32,088	41,614	90,573	14,583	71,468
Kilifi	53,448	176,443	-	38,461	3,105	251,266
Kirinyaga	86,314	40,465	-	18,967	18,440	53,005
KISII	55,014	150,369	-	14,491	2,285	59,838
Kisumu	23,774	222,882	-	229,307	3,572	177,269
Kitui	10,432	506,743	-	96,062	4,001	1,138,187
Kwale	8,924	237,585	-	68,160	3,750	390,491
LAIKIPIA	78,880	244,490	3,270	361,681	18,370	529,050
LAMU	9,886	195,359	-	27,095	6,709	156,279
Machakos	62,748	312,137	-	206,110	7,596	560,314
Makueni	30,158	221,227	-	113,014	15,396	854,478
Mandera	1,684	1,295,432	-	1,982,699	6,864	4,251,023
Marsabit	228	268,882	-	1,052,437	78	1,208,668
Meru	216,600	227,908	31,340	74,386	38,540	223,130
Migori	11,758	408,597	-	263,340	3,500	493,830
Mombasa	2,888	7,585	-	2,292	262	24,806
Muranga	312,189	38,785	20,364	41,590	69,421	112,860
Nairobi	14,783	14,168	-	15,137	4,084	21,634
Nakuru	435,638	173,898	239,815	415,731	31,452	248,587
Nandi	176,610	71,537	10,615	92,279	3,811	32,816
NAROK	96,197	1,430,352	72,086	2,596,824	4,854	995,861
Nyamira	35,662	87,062	-	12,749	1,287	41,513
Nyandarua	358,100	35,800	283,000	193,000	17,280	65,400
Nyeri	192,685	1,700	6,445	147,800	58,681	70,475
Samburu	8,076	305,736	-	651,787	2,045	824,074
Siaya	10,565	434,559	-	196,906	8,362	567,956
T/Taveta	32,136	143,213	-	51,885	4,158	307,896
Tana River	75	468,501	-	-	1,126	883,021
Tharaka Nithi	71,666	91,318	-	55,881	21,236	220,517
Trans-Nzoia	209,628	8,025	3,877	147,504	5,811	37,959
Turkana	5	2,508,341		6,585,780		6,973,731
Uasin Gishu	342,857	43,174	39,476	134,385	913	88,864
Vihiga	44,770	122,030	15	4,220	8,360	4,580
Wajir	18	893,032	-	2,231,725	28	3,190,511
West pokot	93,556	499,476	89,107	493,652	737	630,789
Totals	5,017,991	16,182,356	1,165,552	23,636,053	558,343	33,123,217

Annex 16: Population of Cattle, Sheep and goats by county for the year 2022

County	Cattle		Sheep		Goats	
	Cattle_Dairy	Cattle_Beef	Sheep_Wool	Sheep_Hair	Goats_Dairy	Goat_Meat
Uasin Gishu	347,657	-	39,488	134,425	1,014	90,640
Trans-Nzoia	210,790	8,184	4,323	155,160	6,196	39,610
West Pokot	121,408	509,467	96,235	533,144	884	681,253
Turkana		3,106,522		5,426,924	324	6,197,716
Bungoma	167,921	271,528	1,312	134,812	6,763	139,933
Busia	37,553	271,349	-	46,560	2,560	102,303
Kakamega	184,402	300,182	450	83,542	9,597	117,830
Vihiga	45,440	118,370	-	4,090	7,880	4,850
Kilifi	20,240	226,835	-	59,300	3,101	569,365
Mombasa	2,901	7,462	-	2,266	244	25,309
Kwale	7,726	237,662	-	69,520	3,235	399,980
T/Taveta	32,587	149,905	-	63,994	6,070	346,358
Homa Bay	11,308	369,827	-	283,398	4,844	516,832
Kisumu	24,249	225,111	-	247,652	3,929	194,996
Migori	12,699	429,027	-	302,841	3,509	567,905
Siaya	11,561	469,956	-	211,090	9,199	376,537
Lamu	11,671	202,312	-	30,382	7,302	160,402
Mandera	200	551,229	-	785,487	421	2,426,944
Wajir	18	830,524	-	2,010,422	28	2,871,713
Garissa	136	1,614,529	-	1,036,163	133	1,924,595
Tana River	66	475,330	-	264,293	800	832,200
Kajiado	126,565	328,138	-	814,402	3,232	1,045,810
Machakos	64,010	305,950	-	210,255	7,765	585,340
Makueni	28,649	210,163	-	118,663	15,780	897,201
Kitui	9,874	563,089	-	127,656	6,113	1,738,311
Kiambu	271,125	30,484	41,016	90,261	15,260	73,553
Murang'a	316,527	37,131	18,566	41,988	74,287	109,256
Laikipia	76,514	232,266	3,172	325,513	18,186	518,469
Samburu	5,455	289,058	-	554,018	3,393	741,666
Isiolo	6,442	158,267	-	817,602	1,014	1,009,950
Marsabit	273	130,486	-	668,029	102	836,249
Meru	216,600	150,000	16,900	90,960	48,210	218,090
Tharaka Nithi	73,024	88,359	-	54,772	21,729	203,798
Nandi	179,437	71,040	10,324	93,743	3,542	29,356
Nyandarua	366,740	38,380	309,180	207,470	18,965	72,040
Nakuru	449,120	251,916	239,501	428,600	40,742	210,363
Nairobi	14,225	15,405	-	14,173	4,332	22,030
Kisii	56,114	164,383	-	15,073	2,376	62,233
Bomet	325,070	7,791	86,682	75,365	81,138	72,507
Narok	99,082	1,401,745	72,743	2,622,793	4,902	995,616
Nyamira	36,018	87,933	-	12,877	1,301	41,929
Elgeyo Marakwet	289,220	128,655	213,141	219,896	1,533	425,125
Kericho	276,080	109,213	11,725	50,963	1,988	79,555
Baringo	145,919	361,753	16,052	361,179	6,526	937,081
Nyeri	196,199	3,904	24,637	150,637	60,429	71,813
Kirinyaga	86,468	40,112	-	18,984	23,971	51,307
Embu	133,160	213,215	-	56,505	48,708	329,146
Totals	5,098,443	15,794,146	1,205,447	20,127,841	593,557	29,965,063

Annex 17: Population of Cattle, Sheep and goats by county for the year 2023

County	Cattle		Sheep		Goats	
	Cattle_Dairy	Cattle_Beef	Sheep_Wool	Sheep_Hair	Goats_Dairy	Goats_Meat
Baringo	147,496	383,626	18,439	380,921	7,743	1,046,051
Bomet	329,946	7,947	88,850	77,249	82,762	73,594
Bungoma	183,783	288,165	1,360	141,092	6,939	151,910
Busia	35,976	269,917		49,415	2,586	106,330
Elgeyo Marakwet	280,385	124,729	220,875	222,819	2,485	374,383
Embu	134,493	200,678		57,919	49,927	337,374
Garissa	399,105	1,153,105		1,036,163	267	1,924,595
Homa Bay	12,203	385,137		297,464	5,147	552,109
Isiolo	6,764	166,184		883,010	1,255	1,090,745
Kajiado	137,500	378,400		959,654	3,453	1,033,419
Kakamega	106,845	320,621	450	86,038	10,074	119,461
Kericho	281,601	111,398	12,195	53,001	2,068	82,737
Kiambu	273,836	29,875	40,197	88,457	15,182	70,752
Kilifi	31,993	236,893		68,084	3,480	473,290
Kirinyaga	89,889	41,100		19,178	24,337	52,355
Kisii	57,236	166,028		15,676	2,473	64,721
Kisumu	25,218	229,614		267,464	4,244	210,596
Kitui	10,564	602,505		131,486	7,032	1,999,058
Kwale	8,472	260,801		77,309	3,584	472,803
Laikipia	79,575	243,266	3,250	374,340	18,550	596,240
Lamu	10,391	357,504		224,422	7,222	1,036,154
Machakos	65,010	300,220		187,777	8,143	614,448
Makueni	27,216	199,654		112,731	14,992	852,341
Mandera	51	597,279		636,500	84	2,537,634
Marsabit	396	113,932		532,550	374	627,253
Meru	227,370	221,080	32,310	77,240	38,820	229,880
Migori	13,334	441,898		310,413	3,579	584,943
Mombasa	2,859	7,482		2,263	237	25,248
Muranga	322,118	36,536	18,459	41,841	79,663	107,095
Nairobi	13,390	14,485	6	13,334	4,412	21,810
Nakuru	466,779	251,150	259,503	537,937	47,593	298,170
Nandi	182,667	72,882	10,413	102,002	3,606	31,339
Narok	101,940	1,387,727	73,196	2,649,020	4,927	956,090
Nyamira	36,380	88,814	320	13,137	1,361	42,767
Nyandarua	385,200	40,300	340,200	228,300	20,900	79,500
Nyeri	188,500	2,200	5,290	156,560	53,195	73,990
Samburu	6,001	274,606		526,317	3,732	606,766
Siaya	12,568	504,124		227,135	9,769	402,068
Taita Taveta	32,981	158,925		64,096	5,221	372,333
Tana River	125	515,558	-	320,385	1,098	908,620
Tharaka Nithi	76,675	92,777	-	57,512	22,815	1,140,089
Trans-Nzoia	211,168	8,379	4,570	157,324	6,527	39,612
Turkana	13	3,599,189		6,651,163	443	8,060,906
Uasin Gishu	349,714	43,622	40,269	141,105	913	89,041
Vihiga	45,910	118,750		3,840	8,350	4,800
Wajir	37	749,849		2,120,701	32	2,991,769
West Pokot	132,545	538,879	100,104	555,941	1,753	818,809
Totals	5,544,218	16,337,790	1,270,256	21,938,285	603,349	34,385,998

Annex 18: Population of Donkeys, Camels, and Beehives (Log, Kenya Top Bar Hive (KTBH), Langstroth and Box Hives) by county for the year 2021

County	Donkeys	Camels	Beehives			
			Log_Hives	KTBH	Langstroth_Hives	Box hives
Baringo	9,062	13,464	152,518	26,241	3,202	-
Bomet	10,227	-	-	19,844	4,594	-
Bungoma	12,457	-	6,678	7,856	8,123	30
Busia	285	-	459	1,400	3,794	-
Elgeyo Marakwet	4,030	82	47,586	1,962	1,485	-
Embu	17,695	4	44,064	5,043	7,073	800
Garissa	218,342	714,304	1,623	1,040	2,758	-
Homa Bay	12,320	-	-	1,095	11,743	-
Isiolo	38,174	307,011	3,675	3,796	6,081	111
Kajiado	39,344	2,550	993	9,424	8,667	579
Kakamega	6,534	-	6,143	17,033	20,707	1,085
Kericho	14,211	-	6,746	7,190	2,264	-
Kiambu	8,410	-	1,490	5,353	5,399	40
Kilifi	1,011	39	3,058	3,069	7,125	160
Kirinyaga	6,147	-	4,246	6,198	5,785	220
KISII	1,729	-	450	3,889	776	121
Kisumu	3,173	-	-	1,379	3,368	-
Kitui	151,278	-	153,658	2,560	6,694	731
Kwale	1,496	1,526	2,215	3,089	6,684	76
LAIKIPIA	19,880	17,786	32,780	29,820	5,150	950
LAMU	12,143	-	1,376	1,082	1,050	503
Machakos	24,121	200	18,844	6,390	12,333	-
Makueni	42,312	720	41,345	1,611	11,529	-
Mandera	242,707	1,767,001	-	26,585	-	75
Marsabit	94,886	283,327	545	2,359	2,271	-
Meru	5,425	2,120	32,344	5,270	2,640	-
Migori	4,276	-	959	646	2,843	-
Mombasa	78	30	123	76	168	2
Muranga	1,045	-	14,772	7,262	6,011	850
Nairobi	377	5	124	511	269	-
Nakuru	25,423	100	25,337	14,918	4,868	2,823
Nandi	4,249	-	1,524	7,734	6,729	-
NAROK	85,657	-	25,268	19,731	4,902	-
Nyamira	-	-	254	2,241	2,538	309
Nyandarua	10,040	7	11,320	5,220	4,010	-
Nyeri	783	-	3,068	4,325	6,643	810
Samburu	30,770	54,063	12,847	2,316	2,870	1
Siaya	9,593	-	230	3,145	12,463	-
T/Taveta	3,228	979	5,404	1,860	4,166	335
Tana River	28,126	71,321	12,443	543	10,900	40
Tharaka Nithi	1,602	-	159,591	1,511	14,235	-
Trans-Nzoia	6,490	-	3,948	8,136	8,051	-
Turkana	3,450	7,153	2,481	3	-	-
Uasin Gishu	5,674	6	-	15,308	9,967	13,141
Vihiga	120	-	210	710	3,530	-
Wajir	169,527	1,184,083	74	1,640	521	65
West pokot	5,723	-	3,572	6,814	7,143	-
Totals	1,393,628	4,427,881	846,384	305,228	264,121	23,857

Annex 19: Population of Donkeys, Camels, and Hives (Log, KTBH, Langstroth, Box and Cab Hive) by county for the year 2022

County	Donkeys	Camels	Hives_Log	Hives_KTBH	Hives_Lang	Hives_Box	Cab hive
Uasin Gishu	7,148	7	1,264	17,021	11,401	-	13
Trans-Nzoia	6,726	-	4,031	8,628	8,745	-	-
West Pokot	3,434	19,389	70,701	10,221	10,715	-	-
Turkana	541,431	897,392	3,424	7,763	2,455	-	1,022
Bungoma	12,399	-	6,302	7,961	8,560	-	-
Busia	291	-	375	1,428	3,868	-	-
Kakamega	6,740	-	4,319	13,847	25,398	816	1
Vihiga	55	-	145	560	3,300	-	-
Kilifi	2,888	2,117	3,701	3,773	7,801	161	20
Mombasa	39	28	173	62	188	2	1
Kwale	1,228	3,513	3,007	4,160	8,635	-	-
T/Taveta	3,704	1,319	5,504	2,165	5,444	555	-
Homa Bay	10,082	-	-	1,003	12,638	-	-
Kisumu	3,490	-	-	1,379	3,503	-	-
Migori	4,362	-	959	678	3,127	-	-
Siaya	10,263	4	227	3,538	14,373	-	-
Lamu	13,128	-	1,574	1,430	1,190	638	-
Mandera	157,737	340,983	-	303	251	-	-
Wajir	166,142	1,148,565	74	1,640	521	65	-
Garissa	134,422	491,280	227	1,900	534	162	-
Tana River	25,780	67,950	11,422	464	7,030	91	-
Kajiado	38,164	2,665	941	9,895	9,500	608	-
Machakos	24,825	210	25,719	6,652	15,085	-	-
Makueni	44,428	720	42,169	2,669	16,221	-	-
Kitui	159,850	-	176,372	3,016	9,311	938	-
Kiambu	7,408	-	1,456	5,563	5,561	110	-
Murang'a	1,021	-	14,092	7,600	7,237	860	-
Laikipia	20,278	18,675	34,419	36,311	10,474	1,495	-
Samburu	18,874	54,348	13,489	2,432	3,012	1	-
Isiolo	38,140	157,782	3,749	3,872	6,203	113	-
Marsabit	74,266	233,328	244	2,506	2,282	-	-
Meru	5,150	2,380	28,830	8,180	8,840	-	-
Tharaka Nithi	5,127	-	157,152	1,502	14,395	-	-
Nandi	4,249	-	1,588	8,753	7,142	-	-
Nyandarua	10,148	8	10,850	6,720	5,820	670	-
Nakuru	25,849	4	27,040	16,552	6,064	710	-
Nairobi	378	6	111	460	248	-	-
Kisii	1,745	-	476	3,701	7,219	141	-
Bomet	10,415	-	-	20,133	4,869	-	-
Narok	86,941	-	24,267	19,926	4,950	411	-
Nyamira	750	-	259	2,287	2,588	315	-
Elgeyo Marakwet	4,097	557	47,492	10,676	2,628	-	-
Kericho	13,500	-	6,544	7,334	2,377	-	-
Baringo	5,002	13,249	152,607	26,912	3,454	-	-
Nyeri	801	-	3,043	4,655	6,971	871	-
Kirinyaga	5,313	-	3,216	7,065	6,248	171	-
Embu	11,733	4	43,103	5,043	7,215	800	-
Totals	1,729,940	3,456,483	936,656	320,339	315,591	10,704	1,057

Annex 20: Population of Donkeys, Camels, and Hives (Log, KTBH, Langstroth and Box) by county for the year 2023

County	Donkeys	Camels	Beehives			
			Hives_Log	Hives_Ktbh	Hives_Lang	Hives_Box
Baringo	4,443	19,263	165,939	29,137	3,819	5
Bomet	9,895			20,335	4,918	
Bungoma	12,754		6,477	8,689	9,799	
Busia	311		733	1,216	4,100	
Elgeyo Marakwet	3,886	557	37,994	12,277	3,022	334
Embu	6	11,851	43,427	5,069	7,478	816
Garissa	134,422	491,280	227	1,900	534	162
Homa Bay	10,354			917	15,617	
Isiolo	39,283	162,516	3,960	3,872	6,860	113
Kajiado	40,102	2,653	993	9,882	9,602	584
Kakamega	2,413	9	4,394	14,305	27,293	411
Kericho	15,000		12,139	6,747	1,562	
Kiambu	6,667		1,455	5,563	5,561	110
Kilifi	767	2,490	6,033	3,963	8,517	183
Kirinyaga	5,055		3,272	7,425	6,430	171
Kisii	1,762		376	3,735	2,489	163
Kisumu	3,526			1,411	3,609	
Kitui	326,095		211,646	3,047	12,105	1,031
Kwale	1,359	2,826	3,177	3,959	8,730	5
Laikipia	20,680	19,430	36,140	43,930	13,620	1,740
Lamu	73,385	221,508	1,410	1,177	1,076	528
Machakos	25,100	190	25,719	6,810	15,845	
Makueni	38,186	650	37,314	1,454	10,405	
Mandera	115,162	744,612	20,458	2,418	594	48
Marsabit	72,968	183,388	391	2,606	2,646	
Meru	5,750	2,380	31,050	5,270	2,810	
Migori	4,462		987	706	3,378	
Mombasa	27	28	173	62	388	2
Muranga	1,012		13,362	7,588	7,467	871
Nairobi	400	3	99	473	275	
Nakuru	21,490		27,861	17,510	6,944	319
Nandi	4,588		1,752	9,472	8,088	
Narok	87,810		23,781	20,325	5,098	424
Nyamira	758		261	2,309	2,614	318
Nyandarua	8,420		10,850	6,720	6,178	670
Nyeri	739		2,880	4,480	7,040	390
Samburu	20,761	60,018	14,164	2,932	3,112	1
Siaya	11,020	9	216	3,878	16,077	
Taita Taveta	3,894	1,242	5,494	2,254	5,684	551
Tana River	27,012	71,657	14,514	733	8,135	125
Tharaka Nithi	4,662		153,241	1,617	15,145	
Trans-Nzoia	6,019		4,070	9,193	10,337	
Turkana	542,908	1,055,246	3,656	7,977	6,018	
Uasin Gishu	5,700	6	2,461	15,385	10,018	18
Vihiga	55		120	600	3,670	
Wajir		1,209,342	74	1,640	645	
West Pokot	3,395	21,343	71,599	10,739	11,092	
Totals	1,724,463	4,284,497	1,006,339	333,707	326,444	10,093

Annex 21: Population of Pigs, Rabbits, Broilers, Layers Indigenous chicken and Improved Kienyeji chicken by county for the year 2021

County	pigs	Rabbits	Chicken_Broilers	Chicken_layers	Chicken_Indig-enous	Dual purpose chicken
Baringo	253	3,772	42,714	46,806	1,043,032	-
Bomet	309	6,302	13,439	91,701	883,494	-
Bungoma	19,700	46,499	18,162	54,374	2,946,302	-
Busia	78,746	5,335	11,624	42,824	1,866,576	-
Elgeyo Marakwet	189	2,463	2,239	16,263	720,544	-
Embu	26,955	30,426	25,198	68,849	751,179	-
Garissa	-	10	5,856	20,780	582,454	-
Homa Bay	13,918	3,956	4,200	15,975	3,928,977	-
Isiolo	346	556	11,147	17,100	70,252	-
Kajiado	47,839	14,807	850,817	141,182	297,372	-
Kakamega	82,547	62,502	346,547	121,285	3,007,156	-
Kericho	1,297	6,740	8,553	48,195	507,789	-
Kiambu	107,426	25,905	448,301	1,621,731	1,238,659	-
Kilifi	2,588	2,325	122,295	70,525	651,120	-
Kirinyaga	19,995	26,253	235,901	89,363	763,303	-
KISII	1,772	5,405	26,449	90,965	1,008,954	-
Kisumu	5,155	9,646	585,630	62,953	3,228,190	-
Kitui	2,970	8,163	4,074	18,463	2,003,162	-
Kwale	640	3,314	52,371	63,324	410,290	-
LAIKIPIA	2,332	7,190	39,820	45,120	580,650	-
LAMU	7,545	4,532	6,687	6,970	206,618	-
Machakos	8,818	28,498	412,879	432,967	2,191,402	-
Makueni	3,425	18,327	29,886	41,780	1,582,081	-
Mandera	-	-	6,265	4,175	65,274	-
Marsabit	-	58	1,580	3,800	91,154	-
Meru	38,365	24,450	63,360	133,600	1,322,770	-
Migori	6,137	11,740	2,749	16,140	4,084,846	-
Mombasa	3,063	1,343	119,021	37,589	87,840	-
Muranga	58,017	60,950	111,917	534,409	933,890	-
Nairobi	23,754	26,971	296,868	179,300	253,847	-
Nakuru	21,277	72,924	159,787	321,699	1,484,746	284,457
Nandi	880	4,033	25,614	72,909	673,888	-
NAROK	2,191	3,915	4,460	53,290	704,844	-
Nyamira	1,424	2,939	10,574	66,375	489,836	-
Nyandarua	6,200	40,700	46,500	28,500	558,200	-
Nyeri	13,734	32,664	55,965	67,153	755,148	-
Samburu	309	423	1,644	3,495	97,669	-
Siaya	18,723	17,055	134,007	101,981	1,181,280	-
T/Taveta	2,111	11,757	25,048	28,574	506,826	-
Tana River	12	617	1,073	2,205	84,080	-
Tharaka Nithi	15,324	19,951	24,188	44,454	541,611	-
Trans-Nzoia	7,051	4,737	20,768	94,528	1,060,459	-
Turkana	327	2,122	1,000	889,234	1,389	-
Uasin Gishu	17,251	13,787	44,261	44,261	706,702	-
Vihiga	3,300	5,050	14,000	12,500	918,300	-
Wajir	-	-	6,860	9,330	494,315	-
West pokot	530	6,014	1,900	5,454	698,917	-
Totals	674,746	687,125	4,484,199	5,984,449	48,267,387	284,457

Annex 22: Population of Pigs, Rabbits, Broilers, Layers Indigenous chicken and Improved Kienyeji chicken by county for the year 2022

County	Pigs	Rabbits	Poultry_Broilers	Poultry_layers	indigenous chicken	Improved Kienyeji
Uasin Gishu	17,906	14,201	43,451	350,324	792,037	
Trans-Nzoia	7,512	4,947	21,958	127,494	1,125,311	
West Pokot	583	6,315	2,470	9,272	726,874	
Turkana	196	22	-	1,100	763,739	
Bungoma	19,917	45,961	21,334	54,027	2,929,869	
Busia	81,894	5,442	11,851	43,681	1,756,621	196,479
Kakamega	76,228	59,944	341,539	416,467	2,159,640	701,222
Vihiga	3,830	3,600	6,800	8,700	900,000	
Kilifi	3,480	3,601	1,321,618	78,855	688,040	-
Mombasa	2,346	1,319	118,441	36,748	76,307	-
Kwale	853	2,166	53,235	40,915	558,514	-
T/Taveta	2,321	13,820	175,100	198,643	647,080	-
Homa Bay	14,401	4,150	5,200	17,455	4,144,501	-
Kisumu	154,650	11,575	644,193	69,248	3,292,754	-
Migori	7,058	4,199	2,804	16,624	4,289,088	-
Siaya	19,670	17,810	146,311	111,366	1,240,767	-
Lamu	7,720	5,110	8,745	8,058	225,779	-
Mandera	-	-	13,384	10,977	27,552	-
Wajir	-	-	6,860	11,410	475,315	-
Garissa	-	141	198,000	126,456	242,880	-
Tana River	-	185	600	9,700	102,548	-
Kajiado	8,779	8,788	273,370	153,542	327,109	-
Machakos	9,000	43,095	421,177	509,120	2,301,130	-
Makueni	3,251	18,692	23,907	43,029	1,502,975	-
Kitui	3,426	9,663	2,133	41,169	2,010,558	-
Kiambu	118,168	25,646	533,562	1,687,680	1,275,818	-
Murang'a	52,842	63,075	98,448	585,875	987,822	-
Laikipia	2,915	8,628	41,811	47,376	609,683	-
Samburu	672	286	1,398	3,179	155,993	-
Isiolo	339	625	12,237	19,549	79,873	-
Marsabit	-	68	1,600	1,400	80,964	-
Meru	39,740	24,450	127,840	378,040	1,087,350	-
Tharaka Nithi	15,717	20,258	24,277	43,391	515,973	-
Nandi	984	3,734	20,982	58,328	539,107	-
Nyandarua	7,000	45,353	40,190	29,370	694,060	-
Nakuru	22,675	56,711	145,778	287,019	1,505,531	-
Nairobi	19,188	25,649	284,830	165,810	242,835	-
Kisii	1,806	5,512	26,671	100,885	1,024,089	-
Bomet	358	6,491	13,581	93,993	924,125	-
Narok	2,365	3,954	4,717	55,649	721,349	-
Nyamira	1,438	2,968	10,680	67,039	494,733	-
Elgeyo Marakwet	217	2,488	2,478	16,263	699,017	26,460
Kericho	1,258	6,605	8,296	46,749	497,633	-
Baringo	329	5,155	21,392	37,163	1,012,570	-
Nyeri	14,029	33,356	56,838	69,676	771,360	-
Kirinyaga	17,988	20,990	226,374	53,590	778,614	-
Embu	27,857	30,731	25,323	69,323	773,714	-
Totals	792,906	677,479	5,593,785	6,411,727	48,779,203	924,161

Annex 23: Population of Pigs, Rabbits, Broilers, Layers Indigenous chicken and Improved Kienyeji chicken by county for the year 2023

County	Pigs	Rabbits	Broilers	Layers	Indigenous Chicken	Dual purpose Chicken
Baringo	350	6,503	15,906	31,173	1,251,753	
Bomet	358	6,685	13,851	96,343	961,090	
Bungoma	18,227	40,541	21,982	56,634	3,123,769	
Busia	86,220	5,461	13,005	60,780	1,739,979	200,409
Elgeyo Marakwet	635	2,562	4,054	20,209	675,814	
Embu	28,833	31,192	25,622	70,363	629,057	
Garissa		141	204,000	129,456	261,150	
Homa Bay	15,497	4,328	4,856	18,558	4,600,514	
Isiolo	476	824	14,539	29,068	105,077	
Kajiado	51,318	15,694	1,004,948	156,617	324,284	
Kakamega	83,299	61,721	344,492	434,247	3,445,882	
Kericho	1,322	6,874	8,810	49,641	505,099	
Kiambu	96,682	25,135	439,334	1,605,513	1,339,610	
Kilifi	2,766	5,123	227,010	82,056	702,740	
Kirinyaga	17,616	21,099	499,050	44,600	383,848	594,140
Kisii	1,862	5,623	25,106	97,679	1,039,450	
Kisumu	159,290	11,806	676,403	71,326	3,358,608	
Kitui	3,595	19,712	22,743	452,859	4,101,538	
Kwale	1,051	2,498	79,568	41,594	614,192	
Laikipia	5,990	10,355	54,354	59,220	640,170	
Lamu	7,734	4,645	7,816	9,066	225,633	
Machakos	10,627	26,897	446,989	468,386	2,381,287	
Makueni	3,082	16,541	26,972	37,706	1,427,828	
Mandera			120	1,853	47,588	
Marsabit		80	680	8,630	75,506	
Meru	42,070	25,660	65,250	128,280	1,442,230	
Migori	7,339	4,326	2,817	20,500	4,632,215	
Mombasa	2,357	1,326	121,402	37,620	78,819	
Muranga	48,373	64,284	95,759	558,391	983,105	
Nairobi	18,200	24,974	269,974	139,005	238,043	
Nakuru	27,517	66,376	164,613	301,737	1,559,545	
Nandi	1,105	4,197	23,542	62,523	547,042	
Narok	2,530	3,994	5,001	58,987	768,238	
Nyamira	1,510	3,116	10,787	67,709	499,680	
Nyandarua	8,530	56,550	44,000	35,100	832,800	
Nyeri	13,115	28,680	186,800	117,490	781,940	
Samburu	744	343	1,538	3,497	171,592	
Siaya	20,260	18,522	144,020	120,798	1,278,109	
Taita Taveta	2,725	14,582	71,207	204,880	796,494	
Tana River	54	419	2,506	9,099	110,366	
Tharaka Nithi	16,503	101,271	25,491	45,660	541,772	
Trans-Nzoia	8,353	4,943	23,414	262,668	1,147,425	
Turkana	346	26	200	2,780	1,037,758	
Uasin Gishu	17,251	12,570	44,305	44,350	710,235	
Vihiga	3,670	5,395	8,160	10,400	924,100	
Wajir		12	11,904	19,350	486,719	
West Pokot	778	7,279	2,760	11,307	816,161	
Totals	840,160	780,885	5,507,660	6,395,708	54,345,854	794,549

Annex 24: Population of other poultry (Turkey, Ducks, Geese, Guinea fowl, Doves, Quails and Ostrich) by county for the year 2021

County	Turkeys	Ducks	Geese	Guinea fowl	Pigeons	Doves	Quails	Ostrich
Baringo	1,250	2,373	-	104	-	1,709	-	-
Bomet	1,929	2,007	331	-	-	-	-	-
Bungoma	27,611	47,041	15,843	3,151	22,096	-	-	5
Busia	6,297	26,912	3,218	3,936	6,894	-	767	-
Elgeyo Marakwet	789	5,294	1,630	-	-	-	-	-
Embu	1,618	6,359	2,084	811	-	1,607	-	6
Garissa	3	20	-	-	-	-	-	-
Homa Bay	826	5,816	1,340	684	1,808	-	786	-
Isiolo	66	110	177	242	144	-	-	13
Kajiado	1,300	1,980	950	630	-	150	100	1,200
Kakamega	20,879	56,616	14,272	9,550	20,743	6,710	12,296	16
Kericho	590	4,506	3,307	-	-	-	-	-
Kiambu	4,402	10,846	3,500	594	-	-	-	-
Kilifi	6,147	74,954	7,118	3,885	20	-	1,258	152
Kirinyaga	620	7,611	7,068	897	-	-	-	-
KISII	4,529	8,562	3,200	4,218	835	5,719	1,026	-
Kisumu	747	5,233	1,188	723	4,120	-	285	-
Kitui	13,467	9,004	4,973	3,239	10,414	-	-	-
Kwale	851	48,119	1,393	2,721	350	4,897	392	-
LAIKIPIA	4,490	9,400	4,120	-	-	-	-	650
LAMU	1,465	4,100	4,915	189	635	1,245	3,016	-
Machakos	3,168	5,463	2,268	1,092	50	-	-	-
Makueni	-	1,009	3,316	-	-	-	-	-
Mandera	-	-	-	20	780	-	-	-
Marsabit	-	21	-	-	-	-	-	-
Meru	1,163	3,530	1,590	2,080	-	-	-	-
Migori	233	6,669	1,133	2,749	1,652	464	2,427	-
Mombasa	743	4,821	865	1,731	-	-	1,545	1
Muranga	4,228	3,945	3,478	1,685	1,041	936	386	2
Nairobi	5,011	14,692	4,930	2,143	-	2,208	638	-
Nakuru	14,828	15,451	13,927	120	-	-	-	2
Nandi	411	537	-	-	-	-	-	-
NAROK	282	830	369	100	28	-	-	-
Nyamira	586	612	381	-	-	-	-	-
Nyandarua	7,080	7,500	8,540	15	-	-	-	3
Nyeri	1,957	2,265	1,943	255	45	-	-	8
Samburu	66	94	51	38	153	-	-	-
Siaya	4,024	7,715	1,905	1,924	-	612	3,819	-
T/Taveta	644	5,505	490	819	164	-	-	-
Tana River	257	6,872	235	324	-	1,821	-	-
Tharaka Nithi	390	2,979	1,185	219	705	420	-	-
Trans-Nzoia	7,449	7,060	8,794	1,150	-	-	-	-
Turkana	11,480	490	330	500	-	-	-	-
Uasin Gishu	-	-	-	-	-	-	-	22
Vihiga	2,460	3,470	1,800	2,220	530	-	1,870	4
Wajir	-	-	3	-	-	76	-	16
West pokot	30,325	16,977	7,685	-	-	-	-	-
Totals	196,661	455,370	145,845	54,757	73,207	28,574	30,611	2,100

Annex 25: Population of other poultry (Turkey, Ducks, Geese, Guinea fowl, Doves and Quails) by county for the year 2022

County	Turkeys	Ducks	Geese	Guinea fowl	Pigeons	Doves	Quails	Ostrich
Uasin Gishu	748	1,116	424	189	-	293	0	
Trans-Nzoia	7,685	7,502	8,944	1,253	-	-	0	
West Pokot	30,932	17,317	7,839	-	-	-	0	
Turkana	7,469	13,310	542	281	127,933	-	0	0
Bungoma	27,710	47,116	15,949	3,002	13,976	-	196	5
Busia	6,429	28,383	3,209	3,965	7,121	-	775	
Kakamega	18,684	56,871	12,598	10,621	21,581	7,354	13472	
Vihiga	2,460	3,380	1,660	2,320	440	-	1750	4
Kilifi	5,067	82,981	3,211	8,658	-	-	0	16000
Mombasa	769	6,038	4,967	1,824	585	392	1738	0
Kwale	854	47,534	1,484	3,202	6,215	-	0	0
T/Taveta	830	9,849	681	1,850	714	-	0	0
Homa Bay	885	5,666	1,425	1,691	2,166	10	924	0
Kisumu	796	5,756	1,212	737	4,202	-	296.4	0
Migori	233	6,802	1,133	2,860	1,702	522	2548.35	0
Siaya	4,427	8,483	2,101	2,118	-	674	4198.4	0
Lamu	1,497	5,019	5,181	1,547	1,977	2,404	5234	0
Mandera	23	43	-	8	-	15	0	35
Wajir	-	-	3	-	-	76	0	16
Garissa	13	35	-	-	-	-	127	30
Tana River	25,780	67,950	11,422	464	7,030	-	0	0
Kajiado	1,339	2,039	979	649	-	152	70	1140
Machakos	3,255	5,580	2,355	1,203	245	-	0	0
Makueni	1,109	3,646	-	-	-	-	0	0
Kitui	15,217	10,001	10,046	3,547	8,965	-	0	0
Kiambu	4,446	10,954	3,500	906	-	-	0	0
Murang'a	4,206	4,146	3,483	1,733	1,038	981	210	7
Laikipia	4,715	9,870	4,326	-	-	-	0	0
Samburu	68	100	55	40	160	-	0	0
Isiolo	69	116	186	254	151	-	0	15.84
Marsabit	-	28	-	-	-	-	0	0
Meru	1,163	3,530	1,590	2,080	3,050	-	0	0
Tharaka Nithi	394	3,034	11,263	243	972	542	0	0
Nandi	377	511	379	496	-	-	0	0
Nyandarua	9,542	10,855	11,371	-	-	250	0	0
Nakuru	14,897	15,403	14,320	160	56	240	50	14
Nairobi	4,792	12,927	5,021	3,070	2,386	2,431	535	0
Kisii	1,395	3,451	1,165	1,068	467	2,704	143.325	0
Bomet	2,036	2,129	2,210	-	-	-	0	0
Narok	304	869	391	128	41	21	0	0
Nyamira	592	617	385	633	53	334	364	0
Elgeyo Marakwet	828	5,467	1,630					0
Kericho	566	4,371	3,175	-	-	-	0	0
Baringo	446	1,955	152	-	-	1,426	0	22
Nyeri	1,994	2,335	2,034	284	55	-	0	8
Kirinyaga	716	8,387	8,248	960	-	-	0	0
Embu	1,625	6,423	2,094	976	-	2,007	0	6
Totals	219,383	549,895	174,342	65,021	213,281	22,828	32631	17303

Annex 26: Population of other poultry (Turkey, Ducks, Geese, Guinea fowl, Doves and Quails) by county for the year 2023

County	Turkeys	Ducks	Geese	Guinea Fowl	Pigeons	Doves	Quails
Baringo	270	1,303	227	568	165		15
Bomet	2,056	2,172	2,255				
Bungoma	30,975	50,459	16,403	4,137	20,211	2	302
Busia	6,723	34,133	3,212	4,877	7,264		786
Elgeyo Marakwet	828	5,467	1,646	578	56	399	
Embu	1,634	6,521	2,105	984		2,108	
Garissa	24	47			87		127
Homa Bay	933	6,138	1,539	1,765	2,283	15	962
Isiolo	120	234	326	324	220		
Kajiado	1,347	2,032	980	653		158	100
Kakamega	19,241	59,260	12,955	12,131	22,760	2,698	12,364
Kericho	608	4,641	3,406				
Kiambu	4,360	10,740	3,466	590			
Kilifi	6,299	84,654	10,661	8,168		558	340
Kirinyaga	796	9,050	8,638	920			
Kisii	1,415	3,501	1,182	1,084	474	2,746	145
Kisumu	804	5,872	1,237	753	4,244		155
Kitui	23,129	17,002	17,080	3,902	12,552		
Kwale	1,137	51,939	1,861	16,399	8,566		
Laikipia	5,470	12,930	4,590				
Lamu	1,502	4,203	5,038	214	1,431	1,276	3,091
Machakos	4,560	6,435	2,705	1,420	175		
Makueni		911	2,992				
Mandera							
Marsabit	17	15		8			
Meru	1,200	3,520	1,615	2,080		-	-
Migori	240	7,143	1,189	3,062	1,805	533	2,625
Mombasa	778	6,130	4,993	1,905	608	403	1,770
Muranga	4,135	4,245	3,643	1,828	1,027	935	150
Nairobi	4,792	12,927	5,021	3,070	2,386	2,431	535
Nakuru	15,803	17,755	15,286	-	-	-	-
Nandi	397	549	399	2,451			
Narok	309	878	394	150	52	28	
Nyamira	598	622	389	639	54	337	368
Nyandarua	9,940	12,220	12,720	10		560	
Nyeri	2,020	1,795	1,930	355	255	60	65
Samburu	71	105	58	42	168		
Siaya	4,870	9,331	2,312	2,330		741	4,584
Taita Taveta	844	11,421	725	2,225	842		
Tana River	23,266	9,201	11,087	1,083	7,219		
Tharaka Nithi	414	3,185	11,827	275	1,003	569	-
Trans-Nzoia	7,770	7,759	9,382	1,352			
Turkana	7,664	15,145	627	473	129,243		
Uasin Gishu	684	1,170	927	267		1,032	
Vihiga	2,940	4,060	1,994	2,760	520		2,100
Wajir							
West Pokot	33,488	18,893	8,538		50		
Totals	236,471	527,713	199,560	85,832	225,720	17,589	30,584

Annex 27: Livestock products by county for year 2021

County	Honey (kg)	Wax (kg)	Eggs(Trays)	Hides (No.)	Skins (No.)
Trans-Nzoia	137,839	13,784	1,278,560	-	-
West Pokot	1,402,320	140,232	1,231,769	2,429	36,420
Uasin Gishu	204,433	22,931	22,985,873	27,922	78,155
Turkana	108,652		405,996	-	-
Kirinyaga	188,445	30,129	1,129,363	12,678	13,561
Nakuru	520,907	27,229	3,764,722	82,289	106,869
Nyandarua	169,555	16,956	556,493	12,239	51,136
NYERI	6,370	10	853,760	16,120	78,715
EMBU	1,331,040	13,310	1,781,846	-	956,851
Isiolo	4,895	490	126,454	5,925	95,120
Marsabit	5,960	596	35,798	2,052	8,320
Tharaka Nithi	617,183	1,674	12,426,653	-	-
Meru	558,028	27,901	2,234,583	950,078	187,655
Homa Bay	368,715	36,872	2,756,427	-	-
Migori	121,022	8,109	2,862,719	22,479	78,503
Siaya	380,112	27,716	1,549,132	26,125	70,900
Kisumu	85,446	9,494	2,590,321	22,785	38,452
Kilifi	13,660	1,361	856,322	-	-
Kwale	16,481	1,950	659,803	14,642	21,962
Mombasa	4,096	409	6,752	681	1,282
T/Taveta	48,405	2,825	1,951,719	5,157	10,850
Vihiga	83,910	8,391	692,115	20,240	3,328
Bungoma	388,962	28,375	3,195,622	19,559	10,798
Nyamira	93,632	8,166	764,289	3,307	5,964
KISII	58,112	20,825	658,536	21,641	11,091
Bomet	342,208	85,552	39,839,808	16,920	20,400
NAROK	523,946	52,395	29,242,505	21,218	51,104
Nairobi	28,950	1,448	46,589,043	2,895	12,257
Kiambu	110,468	11,048	10,760,687	101,504	78,312
Samburu	76,823	25,607	88,759	19,519	66,791
Murang'a	151,335	9,301	3,781,498	39,126	9,066
Laikipia	107,150	14,600	289,640	22,105	155,880
Kajiado	194,442	15,389	10,028,064	20,075	25,550
Machakos	338,584	3,927,240	33,858	47,222	89,091
Makueni	668,324	57,330	1,304,014	43,788	213,311
Kitui	4,508,023	832,554	1,463,690	13,530	56,715
Busia	69,803	4,188	1,499,073	7,936	26,800
Lamu	52,228	76,095	957	16,515	52,956
Mandera	160,058	16,006	66,134	-	-
TANA RIVER	64,136	6,414	29,506	-	-
Nandi	109,104	12,789	818,583	9,201	23,944
Kericho	160,792	2,740	2,331,581	27,797	11,148
Baringo	773,394	138,648	21,427,197	14,279	64,027
Elgeyo marakwet	349,452	20,958	391,946	3,200	19,275
Wajir					
Garissa	-	-	405,643	-	-
KAKAMEGA	1,557,668	23,256	3,106,373	36,146	21,639
Totals	17,265,068	5,783,293	240,854,186	1,731,324	2,864,198

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Honey (kg)	Wax (kg)	Eggs(Trays)	Hides (No.)	Skins (No.)
Trans-Nzoia	137,839	13,784	1,278,560	-	-
West Pokot	1,402,320	140,232	1,231,769	2,429	36,420
Uasin Gishu	204,433	22,931	22,985,873	27,922	78,155
Turkana	108,652		405,996	-	-
Kirinyaga	188,445	30,129	1,129,363	12,678	13,561
Nakuru	520,907	27,229	3,764,722	82,289	106,869
Nyandarua	169,555	16,956	556,493	12,239	51,136
NYERI	6,370	10	853,760	16,120	78,715
EMBU	1,331,040	13,310	1,781,846	-	956,851
Isiolo	4,895	490	126,454	5,925	95,120
Marsabit	5,960	596	35,798	2,052	8,320
Tharaka Nithi	617,183	1,674	12,426,653	-	-
Meru	558,028	27,901	2,234,583	950,078	187,655
Homa Bay	368,715	36,872	2,756,427	-	-
Migori	121,022	8,109	2,862,719	22,479	78,503
Siaya	380,112	27,716	1,549,132	26,125	70,900
Kisumu	85,446	9,494	2,590,321	22,785	38,452
Kilifi	13,660	1,361	856,322	-	-
Kwale	16,481	1,950	659,803	14,642	21,962
Mombasa	4,096	409	6,752	681	1,282
T/Taveta	48,405	2,825	1,951,719	5,157	10,850
Vihiga	83,910	8,391	692,115	20,240	3,328
Bungoma	388,962	28,375	3,195,622	19,559	10,798
Nyamira	93,632	8,166	764,289	3,307	5,964
KISII	58,112	20,825	658,536	21,641	11,091
Bomet	342,208	85,552	39,839,808	16,920	20,400
NAROK	523,946	52,395	29,242,505	21,218	51,104
Nairobi	28,950	1,448	46,589,043	2,895	12,257
Kiambu	110,468	11,048	10,760,687	101,504	78,312
Samburu	76,823	25,607	88,759	19,519	66,791
Murang'a	151,335	9,301	3,781,498	39,126	9,066
Laikipia	107,150	14,600	289,640	22,105	155,880
Kajiado	194,442	15,389	10,028,064	20,075	25,550
Machakos	338,584	3,927,240	33,858	47,222	89,091
Makueni	668,324	57,330	1,304,014	43,788	213,311
Kitui	4,508,023	832,554	1,463,690	13,530	56,715
Busia	69,803	4,188	1,499,073	7,936	26,800
Lamu	52,228	76,095	957	16,515	52,956
Mandera	160,058	16,006	66,134	-	-
TANA RIVER	64,136	6,414	29,506	-	-
Nandi	109,104	12,789	818,583	9,201	23,944
Kericho	160,792	2,740	2,331,581	27,797	11,148
Baringo	773,394	138,648	21,427,197	14,279	64,027
Elgeyo marakwet	349,452	20,958	391,946	3,200	19,275
Wajir					
Garissa	-	-	405,643	-	-
KAKAMEGA	1,557,668	23,256	3,106,373	36,146	21,639
Totals	17,265,068	5,783,293	240,854,186	1,731,324	2,864,198

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Milk (kg)	Unit price_Kshs	Total value_Kshs	Beef (kg)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	308,077,353	38	11,706,939,414	3,476,570	500	1,738,285,000
Trans-Nzoia	195,378,222	46	8,987,398,212	2,210,200	500	1,105,100,000
West Pokot	178,823,916	70	12,517,674,095	11,677,146	413	4,816,822,828
Turkana	228,626,015	101	23,189,210,062	38,831,525	400	15,532,610,000
Bungoma	98,601,604	55	5,410,763,020	2,379,200	359	853,868,444
Busia	55,012,837	67	3,693,719,056	3,441,932	440	1,514,450,080
Kakamega	144,958,450	65	9,361,899,883	5,585,432	422	2,355,190,498
Vihiga	37,070,081	60	2,224,204,860	1,448,520	480	695,289,600
Kilifi	25,425,680	60	1,525,540,770	4,990,370	400	1,996,148,000
Mombasa	1,905,045	80	152,403,600	186,550	500	93,275,000
Kwale	25,342,779	51	1,298,817,424	5,827,264	413	2,403,746,400
Taita Taveta	21,767,120	48	1,044,821,760	948,960	480	455,500,800
Homa Bay	20,646,032	83	1,703,297,640	4,427,476	449	1,986,829,855
Kisumu	50,568,300	85	4,298,305,510	2,913,513	500	1,456,756,395
Migori	17,433,699	63	1,089,606,188	4,366,474	456	1,992,203,763
Siaya	35,538,787	69	2,458,099,453	9,843,073	495	4,872,321,185
Lamu	4,758	100	475,800	1,310,925	500	655,462,500
Mandera	383,229	167	63,871,500	2,833,720	425	1,204,331,000
Wajir	237,162,418	100	23,716,241,800	1,227,952	400	491,180,800
Garissa	997,850	60	59,871,000	214,000	500	107,000,000
Tana River	38,174,690	77	2,926,726,233	247,300	360	89,028,000
Kajiado	56,394,418	90	5,075,497,619	6,152,588	550	3,383,923,125
Machakos	38,027,296	70	2,661,910,720	4,722,771	520	2,455,841,018
Makueni county	22,206,340	70	1,554,443,800	4,787,459	600	2,872,475,400
Kitui	6,767,818	67	452,597,829	10,498,143	400	4,199,257,200
Kiambu	356,959,419	48	17,134,052,107	731,617	280	204,852,735
Murang'a	247,619,631	46	11,452,407,934	6,279,420	500	3,139,710,000
Laikipia	36,424,130	57	2,064,034,033	3,100,500	433	1,343,550,000
Samburu	27,104,527	90	2,439,407,432	4,345,416	433	1,883,013,708
Isiolo	51,805,621	97	5,007,876,710	1,728,607	400	691,442,829
Marsabit	597,559	100	59,755,900	1,558,345	445	693,463,525
Meru	322,086,366	79	25,409,035,540	3,600,000	450	1,620,000,000
Tharaka Nithi	37,813,815	56	2,106,769,693	2,070,098	500	1,035,049,000
Nandi	166,582,405	41	6,885,406,072	1,395,262	500	697,630,750
Nyandarua	245,596,375	46	11,297,433,250	5,475,050	540	2,956,527,000
Nakuru	287,005,459	46	13,228,342,538	5,656,370	456	2,581,361,354
Nairobi	20,262,610	70	1,418,382,700	334,813	400	133,925,000
Bomet	128,963,790	40	5,158,551,600	117,088	450	52,689,600
Narok	154,647,439	50	7,732,371,969	31,539,256	500	15,769,628,131
Nyamira	22,431,108	60	1,345,866,476	1,075,719	500	537,859,700
Kisii	31,227,296	51	1,589,753,251	1,971,735	500	985,867,624
Elgeyo Marakwet	62,096,875	75	4,657,265,625	639,488	640	409,272,320
Kericho	183,750,000	50	9,187,500,000	4,381,091	500	2,190,545,700
Baringo	34,218,882	40	1,368,755,280	2,228,672	400	891,468,688
Nyeri	116,716,360	47	5,485,668,920	2,121,867	500	1,060,933,500
Kirinyaga	62,944,093	47	2,958,372,371	2,732,160	500	1,366,080,000
Embu	162,126,071	35	5,674,412,485	5,249,780	500	2,624,890,000
	4,604,274,568	59	270,835,759,132	222,881,417	459	102,196,658,054

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Wool (kg)	Unit price_Kshs	Total value_Kshs	chevon (kg)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	-		-	801,373	558	447,433,258
Trans-Nzoia	-		-	336,685	600	202,011,000
West Pokot	-		-	2,592,000	567	1,468,800,000
Turkana	-		-	3,644,366	600	2,186,619,600
Bungoma	-		-	845,645	600	507,387,000
Busia	-		-	331,213	400	132,485,200
Kakamega	-		-	3,137,429	600	1,882,457,100
Vihiga	-		-	1,053,612	600	632,167,200
Kilifi	-		-	2,524,518	700	1,767,162,600
Mombasa	-		-	3,543,689	600	2,126,213,400
Kwale	22,661	70	1,586,262	220,659	300	66,197,632
Taita Taveta	-		-	72,540	600	43,524,000
Homa Bay	16,000	100	1,600,000	975,000	483	471,250,000
Kisumu	-		-	1,779,998	533	949,332,480
Migori	-		-	2,547,627	500	1,273,813,380
Siaya	-		-	1,462,132	445	650,648,740
Lamu	-		-	1,198,350	600	719,010,000
Mandera	-		-	407,261	600	244,356,600
Wajir	-		-	50,859	600	30,515,562
Garissa	451,710	15	6,775,650	247,560	620	153,487,200
Tana River	122,762	33	4,092,073	685,255	536	367,545,864
Kajiado	-		-	68,256	450	30,715,200
Machakos	3,250	30	97,500	270,028	500	135,014,000
Makueni county	25,827	160	4,132,382	1,035,440	600	621,264,287
Kitui	-		-	201,782	600	121,069,200
Kiambu	-		-	299,492	600	179,694,955
Murang'a	258,401	225	58,140,225	938,007	700	656,604,900
Laikipia	4,745	100	474,504	168,763	600	101,258,010
Samburu	137,781	100	13,778,132	1,468,813	500	734,406,500
Isiolo	-		-	231,922	600	139,153,200
Marsabit	-		-	92,353	600	55,411,800
Meru	-		-	580,896	600	348,537,600
Tharaka Nithi	1,211,549	103	124,358,979	55,868,522	552	30,857,284,502
Nandi	166,582,405	41	6,885,406,072	1,395,262	500	697,630,750
Nyandarua	245,596,375	46	11,297,433,250	5,475,050	540	2,956,527,000
Nakuru	287,005,459	46	13,228,342,538	5,656,370	456	2,581,361,354
Nairobi	20,262,610	70	1,418,382,700	334,813	400	133,925,000
Bomet	128,963,790	40	5,158,551,600	117,088	450	52,689,600
Narok	154,647,439	50	7,732,371,969	31,539,256	500	15,769,628,131
Nyamira	22,431,108	60	1,345,866,476	1,075,719	500	537,859,700
Kisii	31,227,296	51	1,589,753,251	1,971,735	500	985,867,624
Elgeyo Marakwet	62,096,875	75	4,657,265,625	639,488	640	409,272,320
Kericho	183,750,000	50	9,187,500,000	4,381,091	500	2,190,545,700
Baringo	34,218,882	40	1,368,755,280	2,228,672	400	891,468,688
Nyeri	116,716,360	47	5,485,668,920	2,121,867	500	1,060,933,500
Kirinyaga	62,944,093	47	2,958,372,371	2,732,160	500	1,366,080,000
Embu	162,126,071	35	5,674,412,485	5,249,780	500	2,624,890,000
	4,604,274,568	59	270,835,759,132	222,881,417	459	102,196,658,054

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Mutton (kg)	Unit price_Kshs	Total value_Kshs	Pork (kg)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	652,175	600	391,305,000	966,924	600	580,154,400
Trans-Nzoia	598,061	550	328,933,688	405,648	600	243,388,800
West Pokot	1,337,430	533	712,181,675	22,037	300	6,611,220
Turkana	4,884,232	514	2,511,890,537			-
Bungoma	2,519,640	468	1,178,631,717	470,279	350	164,597,650
Busia	97,775	497	48,608,143	2,897,959	351	1,018,425,591
Kakamega	161,979	454	73,565,552	5,115,667	382	1,952,479,648
Vihiga	11,865	550	6,525,750	42,850	450	19,282,500
Kilifi	2,049,714	450	922,371,300	167,040	800	133,632,000
Mombasa	9,500	600	5,700,000	64,595	600	38,757,000
Kwale	261,133	500	130,566,500	40,944	675	27,637,200
Taita Taveta	25,480	600	15,288,000	66,287	450	29,829,150
Homa Bay	531,278	531	282,241,438	476,982	450	214,641,900
Kisumu	681,042	600	408,625,074	202,076	480	96,996,480
Migori	545,114	556	303,219,551	321,185	400	128,473,800
Siaya	445,868	517	230,365,237	879,450	418	367,903,083
Lamu	781,445	600	468,867,000	2,000	700	1,400,000
Mandera	430,990	600	258,594,000	-		-
Wajir	3,285,888	600	1,971,532,800	-		-
Garissa	311,453	600	186,871,800	-		-
Tana River	95,030	400	38,012,000	-	500	-
Kajiado	3,054,006	600	1,832,403,825	399,457	450	179,755,758
Machakos	472,738	600	283,642,800	409,502	500	204,751,000
Makueni county	110,372	700	77,260,400	171,290	600	102,774,000
Kitui	-		-	284,800	600	170,880,000
Kiambu	492,290	300	147,686,927	5,376,647	300	1,612,994,198
Murang'a	53,640	600	32,184,000	3,008,925	500	1,504,462,500
Laikipia	1,088,100	483	525,915,000	139,640	433	60,510,667
Samburu	997,232	533	531,857,280	22,680	533	12,096,000
Isiolo	2,452,806	500	1,226,402,775	11,630	400	4,652,176
Marsabit	822,560	465	382,490,400	-		-
Meru	388,292	600	232,975,200	1,430,640	450	643,788,000
Tharaka Nithi	123,238	600	73,942,800	715,123	457	326,913,371
Nandi	283,322	600	169,993,445	18,184	400	7,273,728
Nyandarua	1,775,750	620	1,100,965,000	146,985	530	77,902,050
Nakuru	2,100,550	535	1,122,839,455	333,688	455	151,828,040
Nairobi	53,149	450	23,916,938	1,036,260	300	310,878,000
Bomet	307,532	500	153,766,000	13,550	550	7,452,500
Narok	3,409,630	600	2,045,778,202	104,301	500	52,150,455
Nyamira	61,970	500	30,985,000	56,370	400	22,547,840
Kisii	72,529	500	36,264,628	70,845	436	30,914,291
Elgeyo Marakwet	284,760	700	199,332,000	2,229	475	1,058,775
Kericho	121,769	500	60,884,330	3,981	400	1,592,304
Baringo	323,633	500	161,816,500	4,182	400	1,672,800
Nyeri	660,739	600	396,443,400	196,784	500	98,392,000
Kirinyaga	28,476	600	17,085,600	756,000	500	378,000,000
Embu	123,637	450	55,636,650	1,226,253	500	613,126,500
	39,379,813	543	21,396,365,316	28,081,870	413	11,602,577,375

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Rabbit meat (kg)	Unit price_Kshs	Total value_Kshs	Poultry meat (kg)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	14,910	800	11,928,000	386,318	500	193,159,000
Trans-Nzoia	5,194	500	2,597,175	1,284,744	600	770,846,238
West Pokot	5,570	300	1,670,870	840,747	650	546,485,758
Turkana			-	572,804	650	372,322,763
Bungoma	19,685	453	8,924,084	1,227,316	411	504,563,438
Busia	1,201	493	591,921	4,181,124	514	2,150,292,343
Kakamega	11,540	313	3,606,313	3,126,859	400	1,250,743,720
Vihiga	-	400	-	676,800	600	406,080,000
Kilifi	4,321	500	2,160,600	13,539,323	600	8,123,593,536
Mombasa	1,584	600	950,400	1,217,535	600	730,521,000
Kwale	10,396	750	7,797,000	1,572,925	800	1,258,340,000
Taita Taveta	6,590	350	2,306,500	1,455,518	600	873,310,800
Homa Bay	2,864	600	1,718,400	1,396,490	670	935,648,300
Kisumu	10,209	450	4,594,197	4,842,014	500	2,421,006,916
Migori	2,519	500	1,259,700	3,323,629	550	1,827,995,692
Siaya	3,081	533	1,643,200	1,885,187	500	942,593,324
Lamu	34	800	27,200	15,500	600	9,300,000
Mandera	-		-	5,192,180	833	4,326,816,667
Wajir	-		-	265,821	438	116,296,688
Garissa	-		-	9,415	1,000	9,415,000
Tana River	749	380	284,620	100,640	500	50,320,000
Kajiado	7,382	900	6,643,834	1,037,634	1,000	1,037,633,826
Machakos	24,421	350	8,547,350	4,844,463	500	2,422,231,500
Makueni county	17,578	500	8,789,000	5,313,700	600	3,188,220,000
Kitui	31,982	500	15,991,000	6,693,855	350	2,342,849,250
Kiambu	21,543	250	5,385,681	2,234,012	450	1,005,305,516
Murang'a	52,981	400	21,192,400	1,803,241	500	901,620,500
Laikipia	97,200	533	51,840,000	8,081,200	683	5,522,153,333
Samburu	6	700	4,004	133,425	600	80,054,820
Isiolo	368	300	110,259	160,339	467	74,824,997
Marsabit	-		-	131,931	775	102,246,525
Meru	110,025	500	55,012,500	1,857,338	500	928,668,750
Tharaka Nithi	14,587	686	10,002,583	853,904	686	585,534,171
Nandi	523	400	209,104	354,876	600	212,925,457
Nyandarua	43,110	600	25,866,000	875,042	660	577,527,720
Nakuru	23,874	232	5,534,311	3,125,566	482	1,505,954,431
Nairobi	26,934	400	10,773,600	513,447	600	308,068,410
Bomet	7,136	350	2,497,600	1,280,374	650	832,243,100
Narok	-		-	652,752	600	391,651,135
Nyamira	845	400	337,952	903,249	800	722,598,968
Kisii	2,910	436	1,269,676	1,163,446	600	698,067,618
Elgeyo Marakwet	1,312	350	459,200	1,338,003	700	936,602,100
Kericho	-	400	-	-	600	-
Baringo	1,933	350	676,550	411,167	500	205,583,500
Nyeri	8,787	450	3,954,150	508,712	600	305,227,200
Kirinyaga	17,630	450	7,933,500	714,653	600	428,791,800
Embu	25,557	500	12,778,500	1,241,772	500	620,886,000
	639,070	482	307,868,933	93,340,989	576	53,757,121,808

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Camel meat (kg)	Unit price_Kshs	Total value_Kshs	Honey Kgs	Unit price_Kshs	Total value_Kshs
Uasin Gishu	-		-	155,560	700	108,892,000
Trans-Nzoia	-		-	332,654	800	266,123,200
West Pokot	36,814	500	18,406,800	1,459,213	225	328,322,970
Turkana	8,973,920	400	3,589,568,000	80,881	1,000	80,881,300
Bungoma			-	382,264	794	303,687,511
Busia			-	94,990	1,000	94,990,000
Kakamega	-		-	394,232	875	344,953,000
Vihiga	-		-	37,490	1,000	37,490,000
Kilifi	-		-	191,270	700	133,889,000
Mombasa	-	3,600	-	4,947	800	3,957,760
Kwale	-		-	100,082	800	80,065,600
Taita Taveta	8,750	400	3,500,000	46,704	600	28,022,400
Homa Bay			-	110,208	925	101,942,400
Kisumu	-		-	166,812	1,200	200,174,400
Migori	-		-	79,269	800	63,415,200
Siaya	-		-	435,360	967	420,848,000
Lamu	-		-	60,106	1,000	60,106,000
Mandera	369,065	650	239,892,250	92,000	1,000	92,000,000
Wajir	9,983,713	406	4,055,883,406	12,340	1,000	12,340,000
Garissa	1,151,800	500	575,900,000	29,500	1,000	29,500,000
Tana River	175,600	600	105,360,000	31,120	600	18,672,000
Kajiado	39,980	500	19,989,750	326,727	1,000	326,726,600
Machakos	3,150	550	1,732,500	758,450	1,000	758,450,000
Makueni county	-		-	601,492	900	541,342,800
Kitui	-		-	3,846,332	750	2,884,749,000
Kiambu			-	110,468	800	88,374,073
Murang'a	-		-	753,133	600	451,879,800
Laikipia	36,240	350	12,684,000	100,900	717	72,311,667
Samburu	326,088	433	141,304,800	183,035	900	164,731,320
Isiolo	2,158,444	400	863,377,632	238,988	633	151,358,769
Marsabit	929,622	470	436,922,340	1,430	700	1,001,000
Meru	5,950	450	2,677,500	612,340	500	306,170,000
Tharaka Nithi	-		-	3,207,850	800	2,566,280,000
Nandi	-		-	149,325	700	104,527,589
Nyandarua			-	281,797	800	225,437,600
Nakuru	-		-	609,204	568	345,723,270
Nairobi	-	600	-	10,690	500	5,345,000
Bomet	-		-	347,342	1,000	347,342,000
Narok	-		-	49,626	450	22,331,628
Nyamira	-		-	85,787	1,000	85,786,750
Kisii	-		-	118,999	1,000	118,998,950
Elgeyo Marakwet	3,891	480	1,867,680	364,653	600	218,791,800
Kericho			-	164,008	1,000	164,007,840
Baringo	116,985	400	46,794,000	882,385	600	529,431,000
Nyeri	-	450	-	6,779	900	6,101,100
Kirinyaga	-	450	-	337,442	900	303,697,800
Embu	-		-	1,331,040	700	931,728,000
	24,320,011	416	10,115,860,658	19,777,223	735	14,532,898,096

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Wax (kg)	Unit price_Kshs	Total value_Kshs	Eggs(Trays)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	7,778	1,000	7,778,000	2,779,237	400	1,111,694,800
Trans-Nzoia	-		-	903,376	450	406,519,175
West Pokot	145,921	300	43,776,396	635,401	405	257,337,316
Turkana			-	13,747,302	514	7,070,041,029
Bungoma	54,760	648	35,502,993	2,251,585	472	1,061,997,529
Busia	29,737	300	8,921,100	2,367,943	450	1,065,574,350
Kakamega	11,882	367	4,356,733	3,247,775	504	1,637,419,896
Vihiga	420	300	126,000	60,404	450	27,181,800
Kilifi	19,127	500	9,563,500	1,151,507	320	368,482,320
Mombasa	157	500	78,500	261,784	500	130,892,000
Kwale	1,475	200	295,000	298,894	450	134,502,300
Taita Taveta	1,732	350	606,200	183,337	450	82,501,650
Homa Bay	729	143	103,883	2,276,270	404	919,044,013
Kisumu	50,044	750	37,532,700	6,493,402	450	2,922,030,954
Migori	15,854	206	3,269,846	13,310,433	480	6,389,007,652
Siaya	31,745	583	18,517,917	2,518,305	517	1,301,124,362
Lamu	81,200	600	48,720,000	1,230	400	492,000
Mandera	-		-	790,010	500	395,005,000
Wajir	-		-	120	439	52,650
Garissa	25	850	21,250	414,000	480	198,720,000
Tana River	2,630	500	1,315,000	1,075,900	350	376,565,000
Kajiado	119,582	400	47,832,640	1,223,941	450	550,773,488
Machakos	75,845	500	37,922,500	4,879,513	500	2,439,756,721
Makueni county	3,204	550	1,762,200	1,173,612	500	586,806,000
Kitui	752,820	1,000	752,820,000	1,577,254	500	788,627,000
Kiambu	-		-	11,184,408	320	3,579,010,519
Murang'a	28,426	300	8,527,800	4,290,286	400	1,716,114,400
Laikipia	15,050	233	3,511,667	305,300	433	132,296,667
Samburu	9,917	500	4,958,300	111,398	450	50,129,190
Isiolo	116,799	500	58,399,259	164,752	700	115,326,470
Marsabit	-		-	39,863	463	18,436,638
Meru	-		-	3,237,465	450	1,456,859,250
Tharaka Nithi	-		-	530,887	450	238,899,150
Nandi	44,798	200	8,959,508	784,085	420	329,315,532
Nyandarua	4,480	1,000	4,480,000	589,076	450	265,083,975
Nakuru	29,641	333	9,855,633	2,345,276	430	1,007,402,545
Nairobi	1,069	300	320,700	1,431,989	420	601,435,380
Bomet	86,834	250	21,708,500	1,354,687	400	541,874,800
Narok	74,331	200	14,866,152	1,454,258	450	654,416,058
Nyamira	9,562	300	2,868,708	527,891	500	263,945,420
Kisii	14,119	1,284	18,123,277	941,189	450	423,535,056
Elgeyo Marakwet	22,169	500	11,084,500	435,397	375	163,273,775
Kericho	2,795	400	1,117,920	2,331,581	450	1,049,211,450
Baringo	162,596	500	81,298,040	412,913	390	161,036,070
Nyeri	12	800	9,200	872,456	450	392,605,200
Kirinyaga	795,582	800	636,465,600	24,281	450	10,926,450
Embu	-		-	956,851	330	315,760,830
	2,824,845	689	1,947,377,119	97,948,823	446	43,709,043,828

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Hides (No.)	Unit price_Kshs	Total value_Kshs	Skins (No.)	Unit price_Kshs	Total value_Kshs
Uasin Gishu	43,284	120	5,194,064	130,612	50	6,530,580
Trans-Nzoia	31,965	300	9,589,500	75,957	45	3,418,065
West Pokot	1,178	300	353,400	34,758	50	1,737,900
Turkana	-		-	-		-
Bungoma	-		-	-		-
Busia	4,000	150	600,000	-		-
Kakamega	-		-	-		-
Vihiga	-		-	-		-
Kilifi	119,318	20	2,386,360	37,002	10	370,020
Mombasa	37,427	90	3,368,430	124,389	50	6,219,450
Kwale	3,660	300	1,098,000	42,365	50	2,118,250
Taita Taveta	130,818	525	68,679,450	81,179	70	5,682,530
Homa Bay	43,229	35	1,513,015	11,392	75	854,400
Kisumu	104,228	53	5,558,827	24,323	24	583,752
Migori	1,964	150	294,600	15,825	14	221,550
Siaya			-			-
Lamu	2,586		-	19,054	50	952,700
Mandera	202,700	120	24,324,000	80,920	30	2,427,600
Wajir	-		-	-		-
Garissa	9,272	250	2,317,985	27,124	200	5,424,870
Tana River	610	30	18,300	13,600	15	204,000
Kajiado	169,295	58	9,849,891	144,161	28	3,997,191
Machakos	2,253	800	1,802,400	11,079	100	1,107,900
Makueni county	669	100	66,900	44,427	50	2,221,350
Kitui	7,522	60	451,320	95,502	60	5,730,120
Kiambu	12,396	400	4,958,400	10,301	80	824,080
Murang'a	14,273	100	1,427,292	27,056	20	541,121
Laikipia	5,137	200	1,027,400	26,779	75	2,008,425
Samburu	27,797	200	5,559,400	11,148	75	836,100
Isiolo	16,596	200	3,319,120	97,373	50	4,868,650
Marsabit	21,349	150	3,202,350	94,233	50	4,711,650
Meru	16,706	150	2,505,900	7,697	50	384,850
Tharaka Nithi	-		-	-		-
Nandi	1,253,072	173	217,272,842	1,734,934	50	86,848,933
Nyandarua			-	281,797	800	225,437,600
Nakuru	-		-	609,204	568	345,723,270
Nairobi	-	600	-	10,690	500	5,345,000
Bomet	-		-	347,342	1,000	347,342,000
Narok	-		-	49,626	450	22,331,628
Nyamira	-		-	85,787	1,000	85,786,750
Kisii	-		-	118,999	1,000	118,998,950
Elgeyo Marakwet	3,891	480	1,867,680	364,653	600	218,791,800
Kericho			-	164,008	1,000	164,007,840
Baringo	116,985	400	46,794,000	882,385	600	529,431,000
Nyeri	-	450	-	6,779	900	6,101,100
Kirinyaga	-	450	-	337,442	900	303,697,800
Embu	-		-	1,331,040	700	931,728,000
	24,320,011	416	10,115,860,658	19,777,223	735	14,532,898,096

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Milk_kg	Unit price Kshs	Total value_Kshs	Beef_kg	Unit price_Kshs	Total value_Kshs
Baringo	37,640,770	51	1,913,405,808	2,562,973	600	1,537,783,800
Bomet	130,899,083	42	5,497,761,486	198,671	500	99,335,250
Bungoma	87,682,416	67	5,845,494,400	6,545,685	502	3,287,388,467
Busia	56,934,440	67	3,822,740,971	3,469,611	500	1,734,805,500
Elgeyo Marakwet	63,338,812	50	3,166,940,615	652,278	650	423,980,570
Embu	111,285,171	55	6,120,684,405	2,685,188	600	1,611,112,500
Garissa	217,070,432	70	15,194,930,241	214,000	1,000	214,000,000
Homa Bay	22,502,846	85	1,912,741,910	4,046,521	513	2,073,842,013
Isiolo	85,200,483	77	6,532,037,030	1,058,942	533	564,769,067
Kajiado	91,808,540	90	8,262,768,600	4,730,001	700	3,311,000,700
Kakamega	140,118,351	65	9,107,692,788	6,625,132	453	2,997,872,230
Kericho	195,174,022	40	7,806,960,884	1,591,200	500	795,600,000
Kiambu	380,739,083	47	17,863,008,653	762,073	400	304,829,240
Kilifi	32,414,925	70	2,269,044,750	6,671,106	600	4,002,663,600
Kirinyaga	65,359,974	54	3,529,438,596	2,825,280	450	1,271,376,000
Kisii	63,179,584	60	3,790,775,040	1,993,417	555	1,105,440,503
Kisumu	56,094,734	85	4,768,052,390	4,178,198	500	2,089,098,850
Kitui	44,387,170	70	3,107,101,900	11,809,102	800	9,447,281,600
Kwale	30,207,057	65	1,963,458,705	6,130,835	600	3,678,501,000
Laikipia	37,516,850	60	2,251,011,000	3,094,380	583	1,805,055,000
Lamu	22,243,735	80	1,779,498,835	1,830,450	500	915,225,000
Machakos	38,711,430	60	2,322,685,800	5,052,950	600	3,031,770,000
Makueni	19,985,706	50	999,285,300	5,026,834	633	3,183,661,280
Mandera	43,360,050	120	5,203,205,940	2,833,720	425	1,204,331,000
Marsabit	67,049,377	125	8,381,172,070	1,150,000	625	718,750,000
Meru	322,086,366	79	25,409,035,540	3,600,000	450	1,620,000,000
Migori	32,844,924	75	2,463,369,300	4,808,496	569	2,734,832,214
Mombasa	1,901,222	100	190,122,200	184,426	550	101,434,300
Murang'a	253,100,272	44	11,136,411,968	6,379,467	500	3,189,733,500
Nairobi	19,653,060	70	1,375,714,200	314,963	650	204,725,625
Nakuru	318,978,431	48	15,223,970,570	4,242,880	517	2,192,797,269
Nandi	190,457,736	44	8,443,626,296	1,426,465	592	843,991,673
Narok	111,173,488	45	5,002,806,960	32,170,042	600	19,302,024,900
Nyamira	37,251,274	54	2,011,568,796	1,182,440	600	709,464,180
Nyandarua	296,834,640	42	12,467,054,880	4,730,300	600	2,838,180,000
Nyeri	112,462,901	43	4,864,020,460	1,373,380	600	824,028,000
Samburu	65,503,819	80	5,240,305,528	5,172,848	600	3,103,708,800
Siaya	24,989,680	75	1,874,226,000	4,901,246	558	2,736,529,017
Taita Taveta	33,201,538	55	1,826,084,590	620,040	600	372,024,000
Tana River	38,174,690	77	2,926,726,233	247,300	360	89,028,000
Tharaka Nithi	41,832,006	64	2,689,200,386	2,689,834	600	1,613,900,400
Trans-Nzoia	196,544,616	51	9,945,157,570	2,215,000	600	1,329,000,000
Turkana	281,170,578	101	28,518,730,034	44,989,960	429	19,281,411,429
Uasin Gishu	440,830,772	40	17,633,230,884	7,119,913	600	4,271,947,800
Vihiga	37,453,490	75	2,809,011,750	3,240	500	1,620,000
Wajir	139,286,665	96	13,319,287,302	9,373,113	600	5,623,867,500
West Pokot	147,498,813	70	10,324,916,910	12,423,508	413	5,124,697,091
Totals	5,284,136,021	60	319,106,476,474	237,907,405	544	129,518,418,866

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Wool_kg	Unit price_Kshs	Total value_Kshs	chevon_kg	Unit price_Kshs	Total value_Kshs
Baringo	1,236	20	24,720	1,762,579	700	1,233,805,300
Bomet	3,250	30	97,500	4,315,409	700	3,020,786,300
Bungoma	3,060	100	306,000	504,905	644	325,383,222
Busia			-	224,968	621	139,801,543
Elgeyo Marakwet	284,240	240	68,217,480	1,765,408	750	1,324,056,000
Embu			-	587,091	800	469,672,800
Garissa			-	913,645	1,200	1,096,374,000
Homa Bay			-	1,108,430	594	658,130,313
Isiolo			-	1,834,732	717	1,314,891,267
Kajiado			-	3,100,257	800	2,480,205,600
Kakamega			-	148,728	554	82,420,100
Kericho	4,715	100	471,500	381,888	633	241,862,400
Kiambu	22,208	70	1,554,539	212,260	450	95,517,090
Kilifi			-	266,976	800	213,580,800
Kirinyaga			-	94,239	500	47,119,500
Kisii			-	311,475	664	206,706,136
Kisumu			-	758,145	600	454,887,000
Kitui			-	8,890,826	900	8,001,743,400
Kwale			-	1,788,556	800	1,430,844,800
Laikipia	17,000	100	1,700,000	1,181,350	633	748,188,333
Lamu			-	355,210	600	213,126,000
Machakos			-	1,106,006	800	884,804,800
Makueni			-	2,650,742	733	1,943,877,467
Mandera			-	2,592,000	567	1,468,800,000
Marsabit			-	2,440,800	600	1,464,480,000
Meru			-	1,198,350	600	719,010,000
Migori			-	1,228,376	588	721,670,900
Mombasa			-	120,713	740	89,327,620
Murang'a			-	89,286	700	62,500,200
Nairobi			-	67,634	700	47,343,800
Nakuru	193,094	49	9,378,842	927,027	582	539,361,164
Nandi			-	60,541	650	39,351,650
Narok	25,957	180	4,672,260	1,024,465	700	717,125,500
Nyamira			-	205,818	800	164,654,400
Nyandarua	1,020,000	20	20,400,000	164,880	800	131,904,000
Nyeri			-	244,185	694	169,403,344
Samburu			-	1,820,298	800	1,456,238,480
Siaya			-	617,469	583	360,190,250
Taita Taveta			-	97,500	700	68,250,000
Tana River			-	331,213	400	132,485,200
Tharaka Nithi			-	386,694	743	287,258,400
Trans-Nzoia			-	118,836	750	89,127,000
Turkana			-	15,114,199	524	7,924,158,461
Uasin Gishu	42,833	150	6,424,950	559,844	700	391,890,800
Vihiga			-			-
Wajir			-	10,770,368	800	8,616,294,720
West Pokot	175,181	200	35,036,240	3,077,108	533	1,638,560,170
Totals	1,792,773	83	148,284,031	77,521,430	696	53,927,170,229

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Mutton_kg	Unit price_Kshs	Total value_Kshs	Pork_kg	Unit price_Kshs	Total value_Kshs
Baringo	388,359	700	271,851,300	1,680	400	672,000
Bomet	4,584,309	700	3,209,016,300	30,461	600	18,276,600
Bungoma	498,169	639	318,274,639	8,249,399	502	4,143,031,498
Busia	103,772	586	60,780,743	4,474,080	430	1,923,854,400
Elgeyo Marakwet	298,999	750	224,249,250	2,273	550	1,250,150
Embu	130,318	600	78,190,800	1,037,988	500	518,994,000
Garissa	311,453	1,200	373,743,600			-
Homa Bay	669,313	556	372,305,356	694,161	531	368,773,031
Isiolo	1,986,773	717	1,423,853,983	1,602	500	801,000
Kajiado	2,878,962	800	2,303,169,600	1,724,285	650	1,120,785,250
Kakamega	198,228	524	103,904,510	499,181	385	192,184,685
Kericho	131,040	633	82,992,000	1,415	500	707,500
Kiambu	485,786	450	218,603,700	4,399,075	350	1,539,676,285
Kilifi	255,314	800	204,251,200	132,768	1,000	132,768,000
Kirinyaga	28,767	450	12,945,150	739,872	450	332,942,400
Kisii	75,440	605	45,606,909	72,934	500	36,467,000
Kisumu	682,032	600	409,219,200	7,247,672	480	3,478,882,560
Kitui	295,843	900	266,258,502	163,677	700	114,573,900
Kwale	372,206	800	297,764,800	40,924	800	32,739,200
Laikipia	771,740	583	450,181,667	128,070	533	68,304,000
Lamu	189,985	600	113,991,000	15,000	500	7,500,000
Machakos	422,498	800	337,998,400	483,528	600	290,116,800
Makueni	115,892	733	84,987,467	179,854	700	125,897,800
Mandera	430,990	600	258,594,000			-
Marsabit	1,055,880	625	659,925,000			-
Meru	388,292	600	232,975,200	1,430,640	450	643,788,000
Migori	651,865	444	289,265,094	375,801	450	169,110,450
Mombasa	9,480	740	7,015,200	64,323	900	57,890,700
Murang'a	35,019	700	24,513,300	2,996,862	500	1,498,431,000
Nairobi	50,002	677	33,864,991	982,920	500	491,460,000
Nakuru	2,699,731	582	1,570,752,727	361,310	500	180,654,750
Nandi	357,061	650	232,089,650	20,412	450	9,185,400
Narok	3,477,823	700	2,434,476,100	111,602	600	66,961,200
Nyamira	63,223	700	44,256,100			-
Nyandarua	1,532,275	800	1,225,820,000	307,080	600	184,248,000
Nyeri	429,040	688	294,965,000	258,710	606	156,842,938
Samburu	1,578,951	800	1,263,161,040	36,828	600	22,096,800
Siaya	327,410	542	177,347,083	827,643	453	375,198,160
Taita Taveta	24,230	700	16,961,000	13,515	250	3,378,750
Tana River	95,030	400	38,012,000		500	-
Tharaka Nithi	125,811	743	93,459,600	750,884	500	375,442,000
Trans-Nzoia	607,103	700	424,971,750	451,062	700	315,743,400
Turkana	11,972,093	510	6,105,767,634	10,380	800	8,304,000
Uasin Gishu	876,262	700	613,383,400	706,428	700	494,499,600
Vihiga			-			-
Wajir	7,634,524	800	6,107,618,880			-
West Pokot	1,394,095	533	742,355,801	29,425	300	8,827,560
Totals	51,691,388	661	34,155,690,626	40,055,724	487	19,511,260,767

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Rabbit meat_kg	Unit price_Kshs	Total value_Kshs	Poultry meat_kg	Unit price_Kshs	Total value_Kshs
Baringo	1,546	330	510,312	414,281	207	85,618,073
Bomet	7,020	350	2,457,000	1,574,412	433	682,245,200
Bungoma	99,063	413	40,946,040	10,537,864	452	4,761,553,363
Busia	655	557	364,929	4,231,717	312	1,319,892,683
Elgeyo Marakwet	1,248	350	436,800	2,639,804	467	1,231,908,533
Embu	17,465	600	10,479,000	556,327	350	194,714,450
Garissa			-	9,415	600	5,649,000
Homa Bay	3,647	625	2,279,375	4,792,838	413	1,977,045,675
Isiolo	404	533	215,467	205,555	400	82,222,000
Kajiado	4,709	1,000	4,709,000	439,580	383	168,505,667
Kakamega	18,002	347	6,249,266	2,293,174	348	798,094,042
Kericho	683	400	273,200	251,866	333	83,955,233
Kiambu	21,543	500	10,771,350	2,040,838	450	918,377,145
Kilifi	24,599	500	12,299,500	667,497	483	322,623,550
Kirinyaga	17,723	250	4,430,800	1,354,763	343	465,135,194
Kisii	729	500	364,500	453,930	352	159,563,273
Kisumu	10,343	450	4,654,350	9,834,006	317	3,114,101,900
Kitui	16,559	600	9,935,400	6,693,855	117	780,949,750
Kwale	9,574	775	7,419,850	1,650,087	458	756,289,875
Laikipia	17,760	533	9,472,000	3,152,450	489	1,541,197,778
Lamu		600	-	111,162	167	18,527,000
Machakos	22,593	350	7,907,718	4,479,159	367	1,642,358,300
Makueni	18,780	500	9,390,000	6,119,242	267	1,631,797,867
Mandera			-	5,192,180	584	3,034,540,756
Marsabit			-	40,592	592	24,016,933
Meru	110,025	500	55,012,500	1,857,338	283	526,245,625
Migori	605	500	302,500	4,503,316	367	1,651,215,867
Mombasa	1,584	800	1,267,200	1,221,048	417	508,770,000
Murang'a	53,554	400	21,421,600	1,804,652	329	594,031,283
Nairobi	26,222	400	10,488,800	483,439	327	157,923,407
Nakuru	30,812	340	10,475,910	4,659,375	296	1,377,104,226
Nandi	587	400	234,800	395,286	517	204,231,100
Narok	1,199	400	479,600	695,163	367	254,893,100
Nyamira	2,350	400	940,000	774,899	600	464,939,400
Nyandarua	47,470	500	23,735,000	499,030	433	216,246,333
Nyeri	3,595	613	2,201,938	667,370	425	283,632,250
Samburu	11	700	7,700	190,928	433	82,735,293
Siaya	9,206	533	4,909,867	1,879,038	356	668,102,400
Taita Taveta	6,672	525	3,502,800	126,800	450	57,060,000
Tana River	749	380	284,620	100,640	333	33,546,667
Tharaka Nithi	17,866	800	14,292,800	892,494	467	416,497,200
Trans-Nzoia	5,190	500	2,595,100	832,114	450	374,451,165
Turkana			-	778,691	474	368,951,117
Uasin Gishu	11,812	1,200	14,174,400	527,762	433	228,696,867
Vihiga			-	-	-	-
Wajir			-	52,243	833	43,535,917
West Pokot	6,420	300	1,926,120	944,004	417	393,335,000
Totals	650,575	482	313,819,110	93,622,222	371	34,707,027,456

Annex 27: Livestock products by county for year 2021
Cont'nd

County	Camel meat_kg	Unit price_Kshs	Total value_Kshs	Honey_kg	Unit price_Kshs	Total value_Kshs
Baringo	127,037	500	63,518,500	970,623	600	582,373,800
Bomet			-	650,698	1,000	650,698,000
Bungoma			-	1,623,264	1,000	1,623,264,000
Busia			-	82,259	871	71,682,843
Elgeyo Marakwet	5,837	700	4,085,550	291,722	750	218,791,500
Embu			-	749,626	800	599,700,800
Garissa	1,151,800	1,000	1,151,800,000	29,500	1,000	29,500,000
Homa Bay			-	119,189	950	113,229,550
Isiolo	1,482,146	533	790,477,867	891,767	850	758,001,950
Kajiado			-	244,250	1,000	244,250,000
Kakamega			-	626,964	867	543,368,800
Kericho			-	902,064	783	706,616,643
Kiambu			-	110,468	800	88,374,160
Kilifi			-	219,702	1,000	219,702,000
Kirinyaga			-	394,015	700	275,810,500
Kisii			-	81,466	1,000	81,466,000
Kisumu			-	181,180	1,200	217,416,000
Kitui	3,846,332	750	2,884,749,000	752,820	1,000	752,820,000
Kwale	204,900	300	61,470,000	130,469	850	110,898,650
Laikipia	33,750	717	24,187,500	114,900	783	90,005,000
Lamu	67,950	800	54,360,000	52,228	1,000	52,228,000
Machakos	2,850	600	1,710,000	374,893	1,000	374,893,000
Makueni			-	771,915	1,000	771,915,000
Mandera			-			-
Marsabit	431,760	625	269,850,000	14,695	670	9,845,650
Meru	5,950	450	2,677,500	612,340	500	306,170,000
Migori			-	107,685	1,000	107,685,000
Mombasa		600	-	5,037	1,000	5,037,000
Murang'a			-	744,115	700	520,880,500
Nairobi			-	11,270	500	5,635,000
Nakuru			-	813,606	640	520,707,840
Nandi			-	238,266	700	166,786,200
Narok			-	49,699	600	29,819,400
Nyamira			-	134,831	1,000	134,831,000
Nyandarua			-	309,120	800	247,296,000
Nyeri			-	6,170	925	5,707,250
Samburu	750,223	600	450,133,500	194,505	700	136,153,430
Siaya			-	487,786	1,033	504,045,533
Taita Taveta	8,400	650	5,460,000	51,367	925	47,514,475
Tana River	175,600	600	105,360,000	31,120	600	18,672,000
Tharaka Nithi			-	742,068	800	593,654,400
Trans-Nzoia			-	330,400	1,000	330,400,000
Turkana	10,552,460	457	4,823,981,714	97,537	971	94,750,423
Uasin Gishu			-	210,566	700	147,396,200
Vihiga			-	88,600	1,200	106,320,000
Wajir	36,280,260	600	21,768,156,000	13,843	1,000	13,843,000
West Pokot	76,834	500	38,416,900	1,490,511	225	335,365,043
Totals	55,204,088	589	32,500,394,031	17,151,119	791	13,565,521,540

Annex 27: Livestock products by county for year 2021

Cont'nd

County	Wax_kg	Unit price_Kshs	Total value_Kshs	Eggs_Trays	Unit price_Kshs	Total value_Kshs
Baringo	97,062	800	77,649,600	309,685	450	139,358,250
Bomet	162,675	250	40,668,750	1,355,622	450	610,029,900
Bungoma	47,379	1,167	55,275,500	3,366,369	600	2,019,821,400
Busia	22,368	300	6,710,400	1,706,858	571	975,347,429
Elgeyo Marakwet	17,735	500	8,867,500	7,589,291	500	3,794,645,500
Embu	408,814	600	245,288,400	708,742	350	248,059,700
Garissa	25	850	21,250	414,000	480	198,720,000
Homa Bay	11,919	159	1,892,141	3,818,055	494	1,885,164,656
Isiolo		267	-	7,235,929	487	3,521,485,447
Kajiado			-	1,101,186	600	660,711,600
Kakamega	10,452	409	4,273,126	4,208,282	496	2,086,606,492
Kericho	2,865	400	1,146,000	35,969	450	16,186,185
Kiambu			-	10,705,104	400	4,282,041,520
Kilifi	21,970	500	10,985,000	667,723	480	320,507,040
Kirinyaga	51,801	500	25,900,500	2,865,660	350	1,002,980,930
Kisii	20,465	400	8,186,000	936,427	450	421,392,150
Kisumu	77,650	750	58,237,500	2,733,057	490	1,339,197,930
Kitui	1,577,254	500	788,627,000	3,660	300	1,098,000
Kwale	8,102	200	1,620,400	391,816	463	181,214,900
Laikipia	16,250	867	14,083,333	325,300	533	173,493,333
Lamu	76,095	600	45,657,000	4,995	400	1,998,000
Machakos	37,489	500	18,744,500	624,822	450	281,169,900
Makueni	4,112	1,000	4,112,000	1,234,778	450	555,650,100
Mandera			-			-
Marsabit			-	49,400	500	24,700,000
Meru			-	3,237,465	450	1,456,859,250
Migori	2,153	325	699,725	15,950,926	450	7,177,916,700
Mombasa	157	500	78,500	262,143	500	131,071,500
Murang'a	28,764	300	8,629,200	4,172,881	500	2,086,440,500
Nairobi	1,127	300	338,100	1,217,037	420	511,155,540
Nakuru	53,925	333	17,930,063	2,720,198	473	1,285,911,957
Nandi	71,480	200	14,296,000	521,118	450	234,503,100
Narok	74,442	200	14,888,400	46,245,402	450	20,810,430,900
Nyamira	40,449	400	16,179,600	533,170	492	262,319,640
Nyandarua	4,480	1,000	4,480,000	729,060	450	328,077,000
Nyeri	59	975	57,525	607,900	490	297,871,000
Samburu	19,451	500	9,725,300	122,538	500	61,269,000
Siaya	33,988	633	21,525,733	5,792,173	550	3,185,695,150
Taita Taveta	1,223	350	428,050	824,514	600	494,708,400
Tana River	2,630	500	1,315,000	32,277,000	350	11,296,950,000
Tharaka Nithi			-	682,755	450	307,239,750
Trans-Nzoia			-	903,376	450	406,519,200
Turkana	32,293	700	22,605,100	638,222	544	347,375,335
Uasin Gishu	23,619	1,000	23,619,000	23,445,591	600	14,067,354,600
Vihiga	450	350	157,500	711,765	600	427,059,000
Wajir			-	11,627	450	5,232,150
West Pokot	149,051	300	44,715,360	722,175	405	292,481,037
Totals	3,212,223	504	1,619,614,056	194,721,767	463	90,216,021,070

Annex 27: Livestock products by county for year 2021
Cont'nd

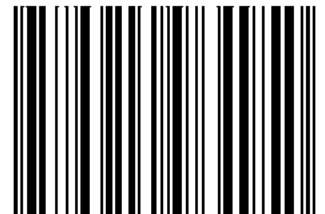
County	Hides_No.	Unit price_Kshs	Total value_Kshs	Skins_No.	Unit price_Kshs	Total value_Kshs
Baringo	11,618	200	2,323,600	107,111	50	5,355,550
Bomet		200	-		20	-
Bungoma	78,582	1,200	94,298,400	66,400	100	6,640,000
Busia	17,271	156	2,694,276	12,357	30	370,710
Elgeyo Marakwet	5,394	300	1,618,200	28,117	100	2,811,700
Embu			-			-
Garissa	4,000	150	600,000			-
Homa Bay	15,340	500	7,670,000	8,011	100	801,100
Isiolo	30		-	50		-
Kajiado	21,450	300	6,435,000	46,414	60	2,784,840
Kakamega	33,154	88	2,900,975	19,355	67	1,299,550
Kericho	63,648	25	1,591,200	132,600	25	3,315,000
Kiambu	145,831	525	76,561,275	79,577	70	5,570,390
Kilifi	13,855	700	9,698,500	22,672	20	453,440
Kirinyaga	17,209		-	17,210		-
Kisii	14,427	300	4,328,100	28,139	20	562,780
Kisumu	19,433	450	8,744,850	25,226	85	2,144,210
Kitui	42,365	50	2,118,250	42,365	50	2,118,250
Kwale	12,574	200	2,514,800	93,903	20	1,878,060
Laikipia	30,750	283	8,712,500	145,301	48	7,022,882
Lamu	16,515	300	4,954,500	52,956	50	2,647,800
Machakos	36,523	300	10,956,900	192,757	50	9,637,850
Makueni	28,029	420	11,772,180	82,351	50	4,117,550
Mandera			-			-
Marsabit	2,435		-	33,232		-
Meru	202,700	120	24,324,000	80,920	30	2,427,600
Migori	35,617	350	12,465,950	134,302	200	26,860,400
Mombasa	1,499	100	149,900	9,590	30	287,700
Murang'a	43,229	35	1,513,015	11,392	75	854,400
Nairobi	2,119	800	1,695,200	10,765	100	1,076,500
Nakuru	214,052	85	18,097,124	194,683	56	10,884,550
Nandi	9,484	200	1,896,800	42,832	200	8,566,400
Narok	7,598	375	2,849,250	96,457	60	5,787,420
Nyamira	7,833	100	783,300	19,567	50	978,350
Nyandarua			-			-
Nyeri	28,865	50	1,443,250	85,338	100	8,533,800
Samburu	14,995	15	224,925	129,620	14	1,814,680
Siaya	32,464	300	9,739,200	78,155	45	3,516,975
Taita Taveta	54,906	55	3,019,830	12,173	10	121,730
Tana River			-			-
Tharaka Nithi			-			-
Trans-Nzoia			-			-
Turkana			-			-
Uasin Gishu			-			-
Vihiga			-			-
Wajir			-			-
West Pokot			-			-
Totals	1,285,794	263	338,695,250	2,141,898	61	131,242,166





Kenya National Bureau of Statistics
Real Towers, Hospital Road,
P.O. Box 30266 - 00100 Nairobi, Kenya
Tel: +254-20-3317583, +254-20-2911000/1, +254-20 3317612/22/23/51
Email: info@knbs.or.ke | directorgeneral@knbs.or.ke | library@knbs.or.ke
Facebook: Kenya Stats | X: @KNBStats
Website: www.knbs.or.ke

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