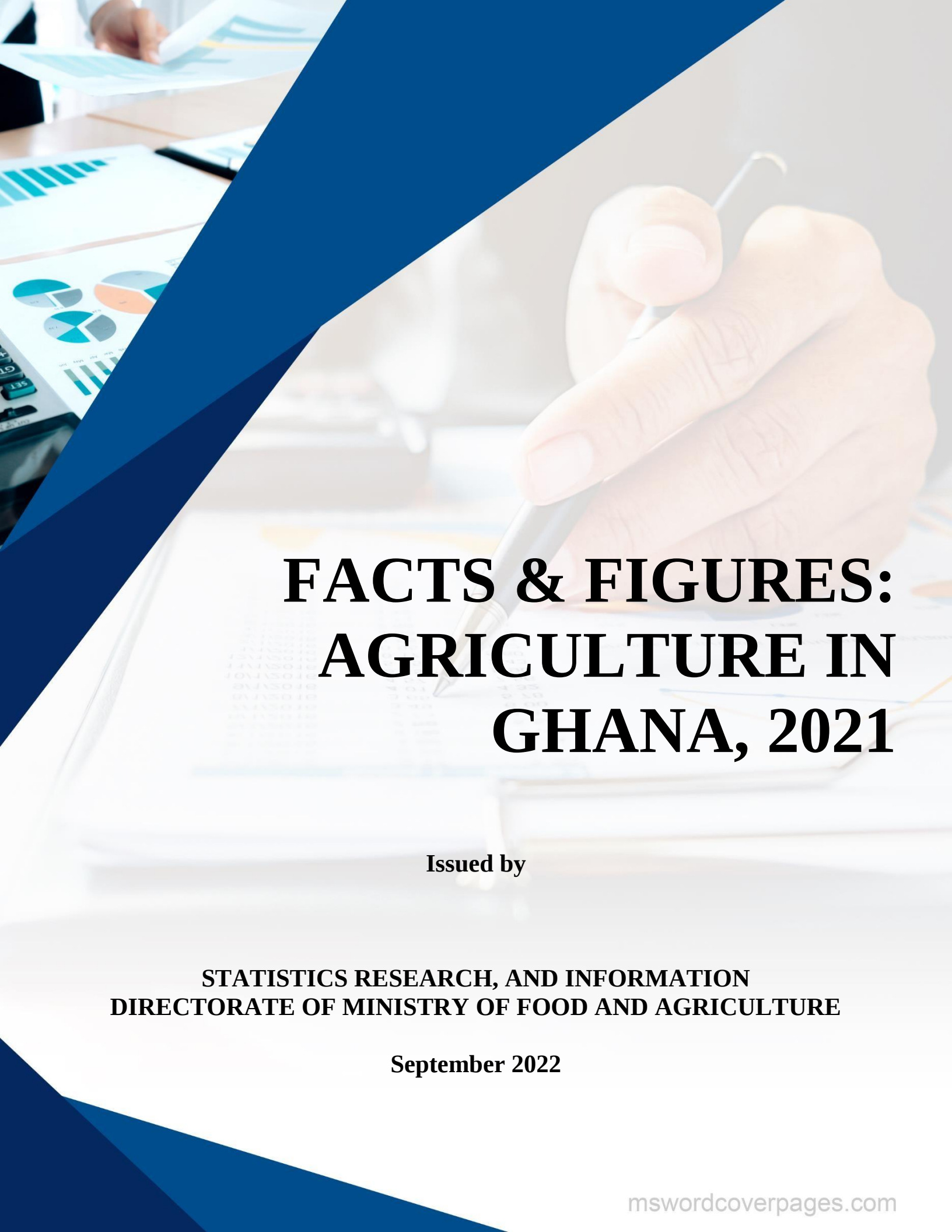




FACTS & FIGURES: AGRICULTURE IN GHANA, 2021

Issued by

**STATISTICS RESEARCH, AND INFORMATION
DIRECTORATE OF MINISTRY OF FOOD AND AGRICULTURE**

September 2022

FOREWORD

This document, Agriculture in Ghana: Facts and Figures (2020), has been prepared by the Statistics Research and Information Directorate (SRID) of the Ministry of Food and Agriculture (MoFA). It is the 30th edition of an annual series that commenced in 1991.

There is a growing recognition that for any impactful and sustained growth and development to be achieved in any sphere of endeavour, there is the need to have access to timely and good quality data. For instance, governments' sound policy strategies, planning, implementation, monitoring, and evaluation are predicated on the existence of good quality data. Various institutions, organizations, researchers, among others, also need timely, reliable, and relevant data to guide their effective decision-making process.

Agriculture has long been recognized by developing economies as the critical sector that could help achieve one of the most important global goals - poverty reduction, in a much more sustainable way. For this to happen, however, countries require reliable, relevant, and accurate statistics to adequately inform policy direction and indeed the decision - making process.

In response to the need for good quality agricultural statistics to support the decision- making processes of both the public and private sector, the Ministry of Food and Agriculture, acting through the SRID, initiated the annual production of the Facts and Figures document. It seeks to serve as a quick reference book for various category of users by providing salient features of the Ghanaian agriculture in figures, with focus on crops (including cocoa), livestock and fisheries sub-sectors of the economy, as well as food commodity and input prices.

Inputs into the document are derived from two sources; primary (through surveys conducted by SRID) and secondary (data obtained largely from public and private institutions and published documents/reports). Access to the secondary source of data has often come with some difficulty due, in part, to some data providers' lack of appreciation of the use to which such data is put and therefore, their reluctance to readily provide the data. The directorate, in response to this, from time to time organize stakeholder validation workshops and invite, among others, data providers so they could not only assist in validating the data they provide but also to appreciate the importance (or the use) of the data requested of them.

The need for agricultural statistics has been growing, over time, with user needs becoming increasingly varied and complex. As part of efforts to improve primary data collection and analysis, the SRID collaborated with the International Food Policy Research Institute (IFPRI) to strengthen the agricultural statistics system through the implementation of the Ghana Agricultural Production Survey (GAPS) – 2011 to 2016. The GAPS brought about significant improvements in the quality and quantity of statistics generated by SRID.

Again, the Ghana Statistical Service in collaboration with the Ministry of Food and Agriculture, with funding

from the Government, World Bank and FAO, conducted the 2017/18 Ghana Census of Agriculture and the outcome from the census has helped to a large extent resolve gaps in our data.

The Ministry intends to continue with the annual publication of this document to provide quality, consistent, and timely information on the Agricultural sector for the formulation of sound development policies and plans to improve the efficiency of food production and distribution, thereby raising productivity, incomes and ultimately enhancing the livelihood of the Ghanaian farmer. It is therefore, hoped that this document will be widely circulated, and the information therein utilized, to help accelerate the pace of growth and development of agriculture in Ghana.

The Ministry also wishes to state that all contributions, comments, and suggestions that will help to further improve subsequent editions of this document are very much welcome. Any information in this regard should kindly be addressed to:

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Hon. Minister of Food and Agriculture

(September 2022)

ACKNOWLEDGEMENT

The 30th edition of the Agriculture in Ghana: Facts and Figures document was prepared by SRID, MoFA, with contributions from various sources. The Directorate wishes to express its profound gratitude to all the Organizations, Institutions, Ministries, Departments and Agencies (MDAs) who made inputs, in one way or the other, for their invaluable contributions towards the successful production of this document.

We are particularly grateful to MoFA top Management, led by the sector minister and the Deputy Ministers, the Chief Director, and all the Directors, for their continuous support, guidance, insightful comments, and suggestions over the years, which have helped in no small measure in improving the quality of this document.

To all MDAs, Organizations, Institutions, Development Partners, among others, who have supported the Directorate in various ways, over the years either as providers or users of our data, and also through financial and/or logistics support, we wish to say thank you. We are pleased to say that your invaluable contributions, suggestions and comments, have largely contributed to enhancing the credibility and continuous production of this document.

The entire management and staff of the SRID have worked so tirelessly in coordinating the preparation of this document. The considerable efforts and dedication demonstrated throughout the various stages of development, leading to the final production of this document deserve special recognition. Your overall contribution in this regard, is therefore, very much appreciate, and commendable.

Any other sources of information, contributions, among others, which might have been inadvertently omitted in this acknowledgement, are deeply regretted and the management of SRID wishes to apologize unreservedly for such an omission. Due acknowledgement would be made in subsequent publications if it is brought to our attention.

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TABLE 1.1 GEOGRAPHIC BACKGROUND OF GHANA

GEOGRAPHIC LOCATION:	Western Africa, bordering the Gulf of Guinea, between Cote d'Ivoire and Togo. Latitude 4° 44'N and 11° 11'N, Longitude 3° 11' W and 1° 11'E.
AREA:	Total Area: 238,533 sq. km (Land Area: 227,533 sq. km, Water Area: 11,000 sq. km)
BOUNDARY:	Total: 2,420 km Border Countries: Burkina Faso 602 km, Cote d'Ivoire 720 km, Togo 1098 km
COASTLINE:	539 km
CLIMATE:	Tropical; Warm and Comparatively Dry Along South East Coast; Hot and Humid in South West; Hot and Dry in North
MARITIME CLAIMS	Territorial Sea: 12 nm, Contiguous Zone: 24 nm, Exclusive Economic Zone: 200 nm, Continental Shelf: 200 nm
TERRAIN:	Mostly Low Plains with Dissected Plateau in South-Central Area
ELEVATION:	Highest Point: Mount Afadjato 885 m, Lowest Point: Atlantic Ocean 0 m, Mean Elevation: 190 m
NATURAL RESOURCES:	Gold, Timber, Industrial diamonds, Bauxite, Manganese, Fish, Water bodies, Petroleum, Salt, Limestone, rubber, hydropower, silver

SOURCES: CIA WORLD FACT BOOK (2021)

TABLE 1.2 DEMOGRAPHIC BACKGROUND OF GHANA

CAPITAL	Accra
ADMINISTRATIVE REGIONS	16 ¹
ADMINISTRATIVE DISTRICTS	261 (Metropolitan = 6, Municipal = 109, District = 146)
POPULATION	30,792,608 ²
POPULATION GROWTH RATE:	2.10%
ETHNIC GROUPS:	Akan 47.7%, Mole-Dagbani 18.5%, Ewe 12.8%, Ga-Dangme 7.1%, Gurma 6.4%, Guan 3.2%, Grusi 2.7%, Mande 2.0%, other 1.6% (2021 est)
LANGUAGES:	Asante 16%, Ewe 14%, Fante 11.6%, Boron (Brong) 4.9%, Dagomba 4.4%, Dangme 4.2%, Dagarte (Dagaba) 3.9%, Kokomba 3.5%, Akyem 3.2%, Ga 3.1%, other 31.2%
RELIGIONS:	Christian 71.3% (Pentecostal/Charismatic 31.6%, Protestant 17.4%, Catholic 10%, other 12.3%), Muslim 19.9%, Traditional 3.2%, None 1.1%, Other 4.5% (2021 est)

SOURCES: CIA WORLD FACT BOOK (2021)

¹ REGIONS: WESTERN, WESTERN NORTH, CENTRAL, GREATER ACCRA, VOLTA, OTI, EASTERN, ASHANTI, BONO, BONO EAST, AHAFO, NORTHERN, NORTH EAST, SAVANNAH, UPPER EAST AND UPPER WEST.

2021 POPULATION AND HOUSING CENSUS GENERAL REPORT

² GSS 2021 POPULATION CENSUS FIGURE

TABLE 1.3 ECONOMIC BACKGROUND OF GHANA

GDP (PURCHASING POWER PARITY)	\$ 164.8 Billion (2020)
GDP PER CAPITA	\$ 2,565 (2020)
GDP GROWTH RATE	0.40% (2020)
GDP	\$ 68.5 Billion (2020)
INFLATION RATE (CONSUMER PRICES)	10.4% (December 2020)
GDP – COMPOSITION	Agriculture: 20.99% (2021)
	Industry: 30.10% (2021)
	Services: 48.91% (2021)
AGRICULTURAL PRODUCE:	Maize, Rice, Cassava, Yam, Plantain, Cocoyam, Oil Palm, Rubber, Cocoa, Citrus, Pineapple. Taro
INDUSTRIES:	Mining, Lumbering, Light Manufacturing, Aluminium Smelting, Food Processing, Cement, Small Commercial Ship Building, Petroleum
EXPORTS:	\$25.59 Billion (2019 Est.): Gold, Crude Petroleum, Cocoa Products, Manganese, Cashew Nut. PARTNERS: Switzerland 23%, India 17%, China 12%, UAE 8%, South Africa 8% (2019)
IMPORTS:	\$26.91 Billion (2019 Est.) Metal Tubing, Ships, Cars, Refined Petroleum, Rice PARTNERS: China 24%, Nigeria 22%, US 5% (2019)

SOURCES: CIA WORLD FACT BOOK (2021), ANNUAL GDP REPORT – APRIL 2021 (GSS)

SECTION 2: LAND USE, VEGETATION, SOILS AND CLIMATE

TABLE 2.1 LAND USE

CATEGORY	AREA (SQ. KM)	PERCENTAGE
LAND	227,533	100 %
AGRICULTURAL LAND	157,225	69.1%
ARABLE LAND	47,099	20.7%
PERMANENT CROPS	27,076	11.9%
PERMANENT PASTURE	83,050	36.5%
FOREST	48,237	21.2%
OTHER	22,071	9.7%
WATER	11,000	100%

SOURCES: CIA WORLD FACT BOOK (2021). OTHERS (INCLUDE: FOREST RESERVES, SAVANNAH, WOODLAND ETC), WATER (INCLUDE:

TABLE 2.2 LAND USE PATTERN

LAND USE	(‘000) SQ.KM	% OF TOTAL
AGRICULTURE		
ANNUAL CROPS	12	5
TREE CROPS	17	7
BUSH FALLOW AND OTHER USES	60	25
UNIMPROVED PASTURE	36	15
SUB TOTAL	125	52
NON-AGRICULTURE		
FOREST RESERVES	26	11
SAVANNAH WOODLAND	71	30
WILDLIFE RESERVES	12	5
UNRESERVED FOREST	5	2
SUB TOTAL	114	48
TOTAL	239	100

SOURCE: MINISTRY OF FOOD AND AGRICULTURE, MEDIUM TERM AGRIC. DEVELOPMENT PROGRAM (MTADP), (1990).

TABLE 2.3 LAND AREA OF THE 16 ADMINISTRATIVE REGIONS

REGIONS	AREA (SQ. KM)
WESTERN	14,227
WESTERN NORTH	10,068
CENTRAL	9,631
GREATER ACCRA	3,651
VOLTA	8,704
OTI	9,116
EASTERN	16,705
ASHANTI	24,260
BONO	11,437
BONO EAST	21,945
AHAFO	5,142
NORTHERN	25,545
NORTH EAST	9,088
SAVANNAH	34,084
UPPER EAST	8,628
UPPER WEST	18,882

SOURCE: THE GHANA SURVEY DEPT. (2020).

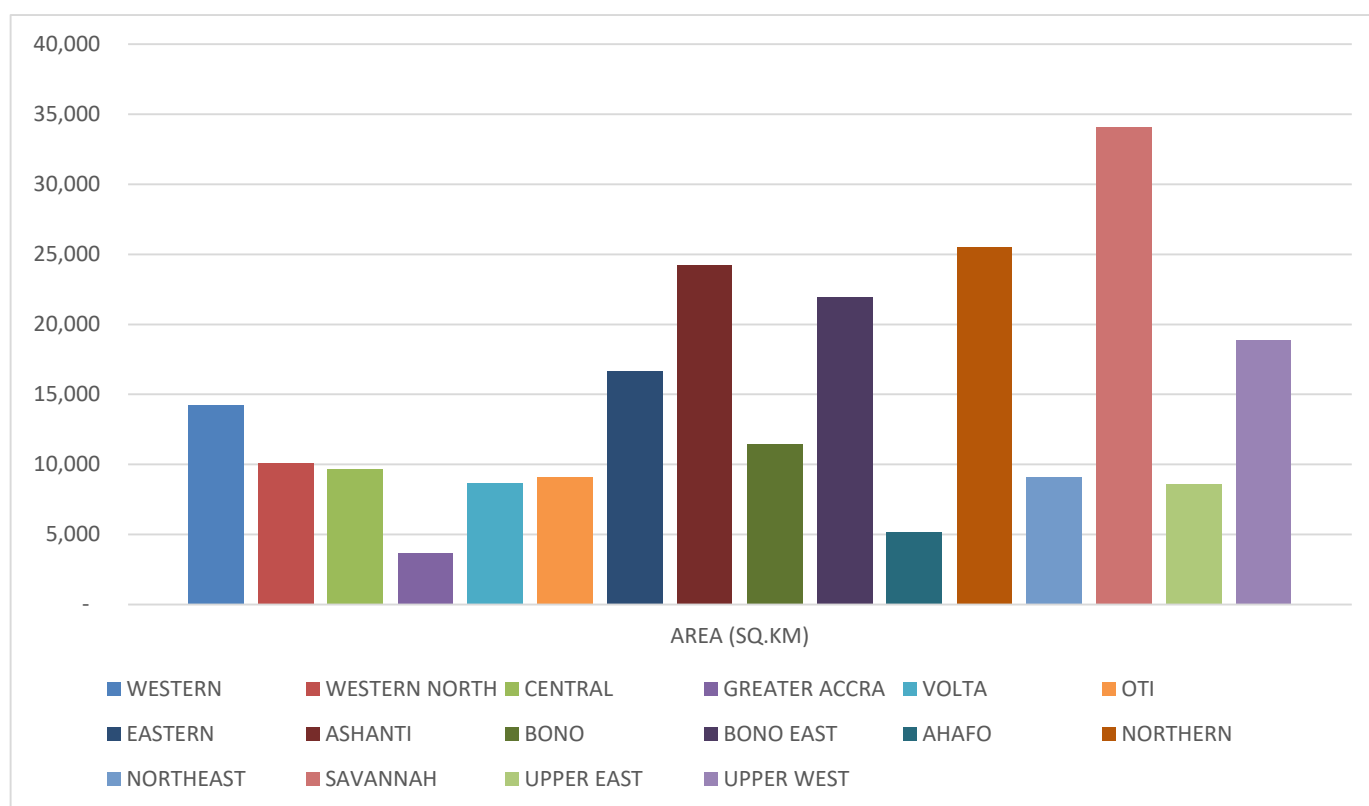


Figure 1: LAND AREA OF THE SIXTEEN ADMINISTRATION REGIONS

2.1 VEGETATION

2.1.1 LAND COVER

The most obvious land cover change in Ghana is the major increase in agricultural land in all regions of the country. However, the largest increases can be seen in the North-East, East-Central, and South-Western parts of Ghana. This rate of agricultural expansion is unprecedented in the country's history, overrunning many of the other land cover types, including Ghana's savannah, woodlands, and forests. From 1975 to 2000, agricultural lands expanded from 13 to 28 percent of Ghana's total area and continued to expand rapidly, reaching 32 percent of Ghana's land area in 2013. This expansion has significance beyond the simple area numbers. Agricultural lands often represent a radical transformation from a diverse variety of vegetation types and natural habitats to crop-dominated landscapes. In Ghana, savannas experienced a large loss, from about 51 to 40 percent of the total land area from 1975 to 2013. The formerly uninterrupted savanna landscapes of the Central Sudan Savanna, Main Transitional Zone, and Central Transitional Zone are now highly fragmented, with large tracts of natural habitat broken into myriad patches of farmland, reducing habitat suitability for many types of wildlife.

Another important land cover change in Ghana is the degradation of forests. The forest class (represented primarily by Ghana's dense evergreen rain forest and moist deciduous forest) shows a small decline in area from about 16,400 sq. km in 1975 to 15,500 sq. km in 2000, a reduction of about 6 percent. This decline accelerated rapidly between 2000 and 2013, as forests were reduced by an additional 20 percent, to 12,400 sq. km in 2013. The degraded forest, which occurs mainly in the off-reserve areas, represents a vegetation type that was derived from the dense and deciduous forests, modified by human activity. The traditional slash and burn method of agriculture, logging, annual wildfires, and recently commissioned opencast mining are the major disturbing factors that have diminished vegetation cover. Degraded forests continued to decrease in area, losing 17 percent of their cover between 1975 and 2013. The expansion of cocoa farms, other crops, and fallow lands was the primary driver of the decline in degraded forest area. The gallery forest, which represents the most biologically rich habitat in the savanna zones of central and northern Ghana, also experienced a decline that has accelerated, mainly because of clear-cutting for agriculture, from 6,200 sq. km in 1975 to 3,750 sq. km in 2013. If we add all forest classes together, we see a significant decline of 25 percent of forests over the 38-year period. However, historical imagery confirms that a much larger loss of forest occurred during the 1960s. What remains today is primarily contained in the biological reserves. Ghana continues to lose its forest resources at an unsustainable rate. Ghana's rapid population growth is reflected in the rapid expansion of the Settlements land cover class. From 1,460 sq. km in 1975, urban areas expanded to 2,560 sq. km in 2000 and 3,830 sq. km in 2013, a 161 percent increase over 38 years. (Source: <https://eros.usgs.gov/westafrica/land-cover/land-use-land-cover-and-trends-ghana>).

TABLE 2.4 LAND COVER CLASSES

	1975 AREA (KM ²)	PERCENT OF TOTAL AREA	2000 AREA (KM ²)	PERCENT OF TOTAL AREA	2013 AREA (KM ²)	PERCENT OF TOTAL AREA
AGRICULTURE	31,600	13.22	67,364	28	77,896	33
AGRICULTURE IN SHALLOWS AND RECESSION	4	0.00	4	0	64	0
BARE SOIL	84	0.04	104	0.04	100	0
CLOUD	15,512	6.49	224	0.09	-	0
DEGRADED FOREST	33,008	13.81	30,528	12.77	27,452	11
FOREST	16,444	6.88	15,560	6.51	12,420	5
GALLERY FOREST AND RIPARIAN FOREST	6,172	2.58	5,636	2.36	3,756	2
HERBACEOUS SAVANNA	440	0.18	440	0.18	440	0
IRRIGATED AGRICULTURE	28	0.01	164	0.07	504	0
MANGROVE	20	0.01	40	0.02	24	0
OPEN MINE	-	0.00	128	0.05	428	0
PLANTATION	48	0.02	116	0.05	316	0
ROCKY LAND	56	0.02	52	0.02	24	0
SANDY AREA	16	0.01	16	0.01	40	0
SAVANNA	121,580	50.86	103,368	43.24	96,736	40
SETTLEMENTS	1,468	0.61	2,564	1.07	3,836	2
WATER BODIES	8,372	3.5	8,000	3.35	8,508	4
WETLAND – FLOODPLAIN	4,044	1.69	4,516	1.89	6,276	3
WOODLAND	136	0.06	208	0.09	212	0
TOTAL MAPPED AREA (KM ²)	239,032		239,032		239,032	

SOURCE: CILSS (2016) LANDSCAPES OF WEST AFRICA: A WINDOW ON A CHANGING WORLD. US GEOLOGICAL SURVEY.

FIGURE 1: LARGE LAND COVER CLASSES

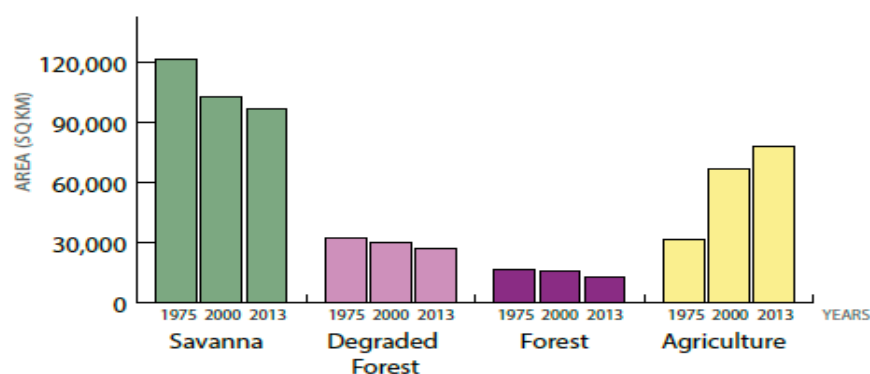
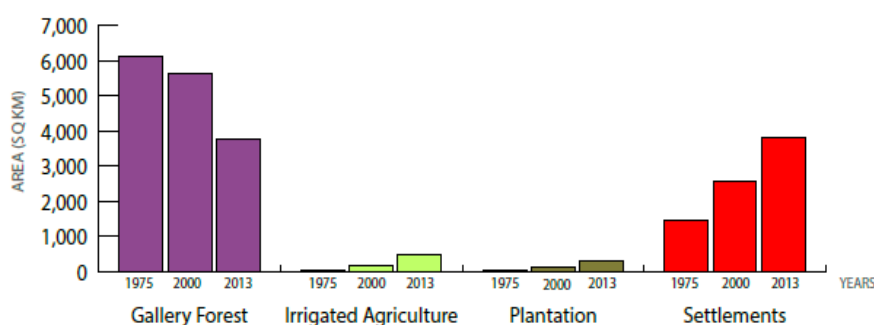


FIGURE 2: SMALL LAND COVER CLASSES



SOURCE: CILSS (2016) LANDSCAPES OF WEST AFRICA: A WINDOW ON A CHANGING WORLD. US GEOLOGICAL SURVEY

2.1.2 AGRO-ECOLOGICAL ZONES

There are seven main agro-ecological zones defined, based on climate, reflected by the natural vegetation, and influenced by the soils. These are Sudan Savanna, Guinea Savanna, Transitional, Deciduous Forest, Moist Evergreen, Wet Evergreen and Coastal Savanna. For rainfall data gathering, Moist Evergreen and Wet Evergreen Ecological zones are classified as Rain Forest. See appendix 11 for map.

TABLE 2.5 RAINFALL DISTRIBUTION BY AGRO-ECOLOGICAL ZONES

AGRO-ECOLOGICAL ZONE	MEAN ANNUAL RAIN (MM)	GROWING PERIOD (DAYS)	
		MAJOR SEASON	MINOR SEASON
SUDAN SAVANNAH	841.3	160	*
GUINEA SAVANNAH	1127.7	180	*
TRANSITIONAL	1244.7	110	91
DECIDUOUS FOREST	1456.9	133	89
RAIN FOREST (Moist Evergreen and Wet Evergreen)	1538.3	134	89
COASTAL SAVANNAH	598.7	46	50

SOURCE: GHANA METEOROLOGICAL AGENCY (GMET), ACCRA – 2020

*RAINFALL DISTRIBUTION IS BIMODAL IN THE FOREST, TRANSITIONAL AND COASTAL ZONES, GIVING A MAJOR AND MINOR GROWING SEASON; ELSEWHERE (GUINEA SAVANNAH AND SUDAN SAVANNAH), THE UNIMODAL DISTRIBUTION GIVES A SINGLE GROWING SEASON.

TABLE 2.6 LAND AREA OF VEGETATION BY ZONES

VEGETATION ZONE	AREA ('000SQ. KM.)	% OF TOTAL
GUINEA SAVANNA WOODLAND	147.9	62.0
DECIDUOUS FOREST		
- CELTIS -TRIPLOCHITON ASSOCIATION	37.3	15.6
- ANTIARIS CHLOROPHORA ASSOCIATION	27	11.3
RAIN/DECIDUOUS FOREST ECO-ZONE	8.4	3.5
RAIN FOREST	7.5	3.2
THICKET AND GRASSLAND	4.5	1.9
SUDAN SAVANNA WOODLAND	1.9	0.8
SWAMP AND LAGOONAL VEGETATION	1.3	0.6
OTHERS	2.7	1.1
TOTAL	238.5	100.0

SOURCE: MINISTRY OF LAND AND FORESTRY, ACCRA

2.2 SOILS

The soils have predominantly light textured surface horizons in which sandy loams and loams are common. Lower soil horizons have slightly heavier textures varying from coarse sandy loams to clays. Heavier textured soils occur in many valley bottoms and in parts of the Accra Plains. Most soils contain abundant coarse material either gravel and stone, or concretionary materials which affect their physical properties.

TABLE 2.7 FERTILITY STATUS OF SOILS IN THE REGIONS OF GHANA

REGION	SOIL PH	% ORGANIC MATTER	% TOTAL NITROGEN	AVAILABLE PHOSPHORUS (MG/KG SOIL)	CATION EXCHANGE CAPACITY
ASHANTI REGION	4.10-7.30	0.00-13.83	0.00-0.52	0.00-6.98	0.00-9.62
BRONG AHAFO	4.10-7.70	0.00-13.83	0.00-0.52	0.00-0.41	0.00-9.62
CENTRAL REGION	4.40-7.70	0.00-4.30	0.00-0.37	0.00-9.80	0.00-2.40
EASTERN REGION	4.10-7.80	0.00-8.19	0.00-0.37	0.00-3.48	0.00-9.62
GREATER ACCRA	4.40-9.50	0.00-4.00	0.00-0.32	0.00-6.62	0.00-9.28
NORTHERN	4.10-7.40	0.00-6.74	0.00-0.14	0.00-7.60	0.00-7.85
UPPER EAST	4.10-7.40	0.54-6.74	0.00-0.14	0.00-3.62	0.00-7.72
UPPER WEST	4.50-7.40	0.77-6.74	0.00-0.07	0.00-3.62	0.00-4.79
VOLTA REGION	4.10-7.80	0.00-5.63	0.00-0.02	0.00-6.62	0.00-9.28
WESTERN	4.40-6.70	0.19-13.83	0.00-0.37	0.00-0.26	0.00-1.21

SOURCE: SOIL RESEARCH INSTITUTE, COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)-KUMASI ,2018

TABLE 2.8 FERTILITY STATUS OF SOILS IN THE ECOLOGICAL ZONES OF GHANA

ECOLOGICAL ZONES	SOIL PH	%ORGANIC MATTER	%TOTAL NITROGEN	AVAILABLE PHOSPHORUS (MG/KG SOIL)	CATION EXCHANGE CAPACITY
COASTAL SAVANNA	4.40-9.50	0.00-8.00	0.07-0.37	0.00-6.62	0.00-9.28
DECIDIOUS FOREST	4.40-9.50	0.00-13.83	0.00-0.52	0.00-3.48	0.00-9.62
MOIST EVERGREEN	4.40-7.70	0.69-13.83	0.00-0.37	<0.02	0.00-1.21
WET EVERGREEN	4.40-7.70	0.69-13.83	0.00-0.37	0.00-8.19	0.00-1.21
TRASITIONAL	4.10-7.70	0.00-10.3	0.00-0.52	0.00-2.00	0.00-9.62
GUINEA SAVANNA	4.10-7.40	0.00-6.74	0.00-0.14	0.00-7.60	0.00-7.85
SUDAN SAVANNA	4.10-7.40	0.54-5.89	0.00-0.10	0.00-3.62	0.00-7.72

SOURCE: SOIL RESEARCH INSTITUTE, COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)-KUMASI ,2018

NOTE: SEE APPENDIX 12 FOR SOIL CROP SUITABILITY MAP

2.3 FARMING SYSTEMS

Agriculture is predominantly on a smallholder basis in Ghana. Majority of farm holdings are less than 2 hectares in size, although there are some large farms and plantations, particularly for rubber, oil palm and coconut and to a lesser extent, rice, maize, and pineapples. The main system of farming is traditional which involves the use of hoe and cutlass. Mechanized farming is minimal; however, bullock farming is practiced in some parts of the country especially in the north. Agricultural production varies with the amount and distribution of rainfall. Soil factors such as texture, nutrient levels, pH, etc. also play an important role in the Agricultural production. Most food crop farms are intercropped. Monoculture is mostly associated with large-scale or commercial farms.

2.4 CLIMATE

The climate of Ghana is tropical. The eastern coastal belt is warm and comparatively dry. The southwest corner is hot and humid, and the north is hot and dry. Annual average temperatures range from 26.1⁰C in places near the coast to 28.9⁰C in the extreme north. It is usually breezy and sunny. Day time temperatures may rise above 40⁰C in the north. There are two rainy seasons in the south from March to July and from September to October (bimodal rainfall system). The northern part of the country, on the other hand, has only one rainy season, from May to October (uni-modal rainfall system).

TABLE 2.9 ANNUAL REGIONAL RAINFALL DATA IN MILLIMETERS (MM)

REGION		WESTERN ¹	CENTRAL	GREATER ACCRA	VOLTA ²	EASTERN	ASHANTI	BRONG AHAFO ³	NORTHERN ⁴	UPPER EAST	UPPER WEST	TOTAL	AVERAGE
2012		1,298	1,029	646	1,061	1,204	1,224	1,049	1,002	956	1,136	10,605	1,061
2013		1,025	920	365	1,075	1,080	1,215	1,814	1,066	997	434	9,992	999
2014		1,654	1,447	777	1,368	1,271	1,381	1,239	1,084	707	300	11,228	1,123
2015		1,144	1,051	689	1,213	999	1,025	1,048	870	918	724	9,679	968
2016		1,268	894	786	1,085	1,171	790	852	860	503	448	8,658	866
2017		1,780	1,551	833	1,189	1,547	1,303	1,061	1,017	857	747	11,885	1,189
2018		1,512	1,743	830	1,105	1,277	1,463	1,273	1,207	950	714	12,074	1,207
2019		1,681	1,662	884	1,483	1,395	1,175	1,325	1,135	1,862	1,097	13,699	1,370
2020		1,218	30	814	1,437	1,041	1,129	1,186	762	1,149	1,094	10,445	1,899
2021		1,637	1,381	514	1,146	1,597	1,491	1,361	1,137	968	1,184	12,416	1,242
10-YR	AVERAGE	1,447	1,195	757	1,262	1,174	1,220	1,186	1,056	1,273	939	1,447	1,195
30-YR	AVERAGE*	1973	1721	728	1740	1317	1292	1315	1068	948	1002	13102	1310
(%) CHANGE	2021/30-YR AVERAGE	15.7	-97.6	3.3	7.2	-11.8	-16.1	-4.7	-34	26	7	-11.5	60.9
(%) CHANGE	2021/2020	7.3	-98.2	-7.9	-3.1	-25.4	-3.9	-10.5	-32.9	-38.3	-0.3	-23.8	38.6

SOURCE: GHANA METEOROLOGICAL AGENCY

1 WESTERN FIGURES COVERS WESTERN AND WESTERN NORTH REGIONS

2 VOLTA FIGURES COVERS VOLTA AND OTI REGIONS

3 BRONG AHAFO FIGURES COVERS AHAFO, BONO AND BONO EAST

4 NORTHERN FIGURES COVERS NORTHERN, NORTH EAST AND SAVANNAH REGIONS

SECTION 3: AGRICULTURE POPULATION

3.1 DISTRIBUTION OF LABOUR FORCE BY ECONOMIC ACTIVITY

Figure 3 presents the share (%) of total labour force (number of persons in employment) for persons aged 15 years and older, by economic activity (sector). The Ghanaian Economy is broadly categorised into three sectors, namely, Agriculture (including Forestry and Fishing), Industry and Services. Agriculture's contribution to total employment is estimated to be 38.3 percent, with the Services and Industry sectors accounting for 43.5 percent and 18.2 percent respectively (GLSS7, 2019). This means, agriculture is the second largest employer, after the Services Sector. Refer to Appendix 18 for further details.

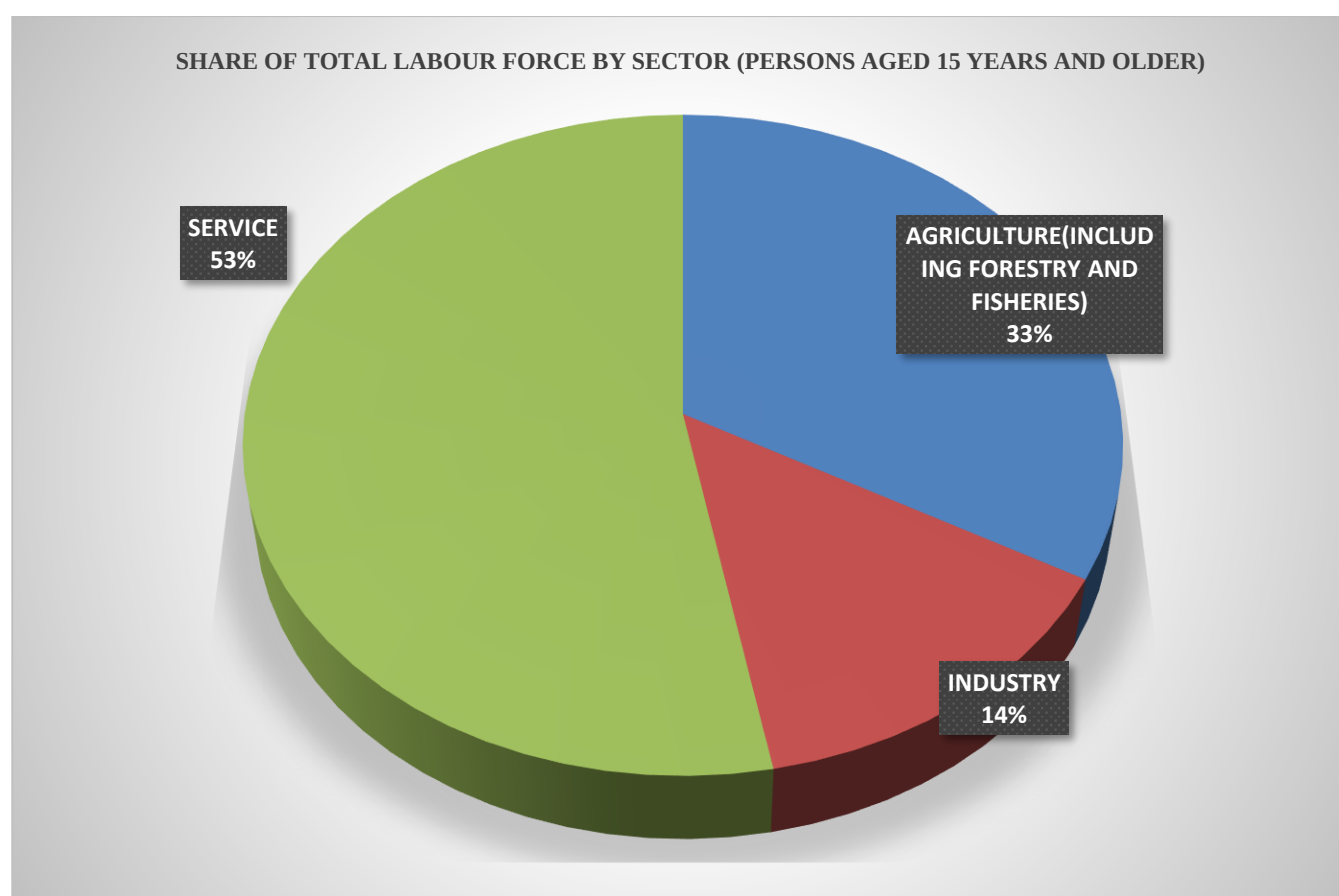


FIGURE 3: SHARE OF TOTAL LABOUR FORCE BY SECTOR (PERSONS AGED 15 YEARS AND OLDER)

TABLE 3.1 DISTRIBUTION OF AGRICULTURAL AND NON-AGRICULTURAL HOUSEHOLDS BY REGION

REGION	HOUSEHOLDS	AGRIC. HOUSEHOLDS	NON-AGRIC. HOUSEHOLDS	HOUSEHOLDS IN CAPTURE FISHERIES	
				AGRIC. HOUSEHOLDS	NON-AGRIC. HOUSEHOLDS
WESTERN	475,820	280,496	195,324	3,401	4,502
CENTRAL	519,869	260,347	259,522	1,331	8,838
GREATER ACCRA	834,058	91,236	742,822	2,930	6,230
VOLTA	449,200	283,288	165,912	14,808	11,265
EASTERN	505,788	314,574	191,214	10,679	2,010
ASHANTI	910,647	436,019	474,628	895	184
BRONG-AHAFO	460,879	319,548	141,331	3,819	3,385
NORTHERN	373,707	297,743	75,964	8,148	1,295
UPPER EAST	213,644	186,859	26,785	2,048	16
UPPER WEST	120,664	98,036	22,628	1,090	8

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

TABLE 3.2 DISTRIBUTION OF AGRICULTURAL AND NON-AGRICULTURAL INSTITUTIONS BY REGION

REGION	INSTITUTIONS	AGRIC. INSTITUTIONS	NON-AGRIC. INSTITUTIONS	CAPTURE FISHERIES	
				AGRIC. INSTITUTIONS	NON-AGRIC. INSTITUTIONS
ALL REGIONS	578,641	37,000	541,641	177	292
WESTERN	67,355	3,739	63,616	11	52
CENTRAL	54,659	3,338	51,321	11	76
GREATER ACCRA	152,625	4,058	148,567	32	69
VOLTA	31,745	2,957	28,788	34	34
EASTERN	61,717	6,006	55,711	65	16
ASHANTI	85,034	5,844	79,190	6	20
BRONG-AHAFO	45,863	4,215	41,648	5	12
NORTHERN	38,590	2,998	35,592	6	6
UPPER EAST	24,164	2,182	21,982	3	5
UPPER WEST	16,889	1,663	15,226	4	2

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

TABLE 3.3 PROPORTION OF AGRICULTURAL INSTITUTIONS BY REGION

REGION	ALL INSTITUTIONS	AGRICULTURE INSTITUTIONS	PROPORTION OF INSTITUTIONS ENGAGED IN AGRICULTURE
ALL REGIONS	578,641	37,000	6
WESTERN	67,355	3,739	6
CENTRAL	54,659	3,338	6
GREATER ACCRA	152,625	4,058	3
VOLTA	31,745	2,957	9
EASTERN	61,717	6,006	10
ASHANTI	85,034	5,844	7
BRONG-AHAFO	45,863	4,215	9
NORTHERN	38,590	2,998	8
UPPER EAST	24,164	2,182	9
UPPER WEST	16,889	1,663	10

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

TABLE 3.4 AGRICULTURAL HOUSEHOLDS BY TYPE OF ACTIVITY AND REGION

REGION	AGRICULTURAL HOUSEHOLDS	TYPE OF AGRICULTURAL ACTIVITY (%)					
		ARABLE CROPS	TREE CROPS	POULTRY & LIVESTOCK	AQUACULTURE	FOREST TREES	BEE- KEEPING
ALL REGIONS	2,568,146	91.2	46.2	41.1	0.3	2	0.4
WESTERN	280,496	83.4	78.3	35.1	0.5	4.5	1.1
CENTRAL	260,347	91.2	67.6	30.8	0.3	2.1	0.2
GREATER ACCRA	91,236	67.9	27.6	32.6	1.1	0.7	0.1
VOLTA	283,288	93.6	21.2	36.5	0.3	1.1	0.6
EASTERN	314,574	90.5	58	39.7	0.2	1.3	0.2
ASHANTI	436,019	90.9	64.4	30.7	0.2	1.4	0.3
BRONG-AHAFO	319,548	91.5	58.3	32.1	0.2	2.4	0.3
NORTHERN	297,743	97.1	10.4	58.9	0.2	1.2	0.7
UPPER EAST	186,859	98	6.9	75.3	0.2	3.4	0.3
UPPER WEST	98,036	97.5	11.8	66.5	0.1	0.6	0.5

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

TABLE 3.5 HOUSEHOLDS ENGAGED IN PROCESSING OF AGRICULTURAL PRODUCE BY REGION

REGION	HOUSEHOLDS	AGRIC. HOUSEHOLDS	AGRIC. HOUSEHOLDS ENGAGED IN PROCESSING		NON- AGRIC. HOUSEHOLDS	NON-AGRIC. HOUSEHOLD ENGAGED IN PROCESSING	
			NUMBER	SHARE		NUMBER	SHARE
ALL REGIONS	4,864,276	2,568,146	511,492	100	2,296,130	64,025	100
WESTERN	475,820	280,496	43,895	9	195,324	6,944	11
CENTRAL	519,869	260,347	73,059	14	259,522	15,132	24
GREATER ACCRA	834,058	91,236	15,425	3	742,822	12,319	19
VOLTA	449,200	283,288	108,012	21	165,912	8,610	13
EASTERN	505,788	314,574	66,282	13	191,214	4,932	8
ASHANTI	910,647	436,019	59,465	12	474,628	6,970	11
BRONG-AHAFO	460,879	319,548	22,898	5	141,331	3,418	5
NORTHERN	373,707	297,743	60,215	12	75,964	3,359	5
UPPER EAST	213,644	186,859	35,049	7	26,785	1,268	2
UPPER WEST	120,664	98,036	27,192	5	22,628	1,073	2

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

TABLE 3.6 INSTITUTIONS ENGAGED IN MARKETING OF AGRICULTURAL PRODUCE BY REGION

REGION	ALL INSTITUTIONS	AGRIC. INSTITUTIONS	AGRIC. INSTITUTIONS ENGAGED IN MARKETING		NON-AGRIC. INSTITUTIONS	NON-AGRIC. INSTITUTIONS ENGAGED IN MARKETING	
			NUMBER	SHARE (%)		NUMBER	SHARE (%)
ALL REGIONS	578,641	37,000	15,209	100	541,641	38,222	100
WESTERN	67,355	3,739	1,968	13	63,616	6,015	16
CENTRAL	54,659	3,338	2,026	13	51,321	4,350	11
GREATER ACCRA	152,625	4,058	2,372	16	148,567	9,962	26
VOLTA	31,745	2,957	1,518	10	28,788	1,435	4
EASTERN	61,717	6,006	2,206	15	55,711	3,550	9
ASHANTI	85,034	5,844	2,215	15	79,190	5,137	13
BRONG-AHAFO	45,863	4,215	1,036	7	41,648	2,794	7
NORTHERN	38,590	2,998	913	6	35,592	1,525	4
UPPER EAST	24,164	2,182	563	4	21,982	2,481	7
UPPER WEST	16,889	1,663	392	3	15,226	973	3

SOURCE: GHANA STATISTICAL SERVICES (GSS): GHANA CENSUS OF AGRICULTURE (2018)

SECTION 4: AGRICULTURE PRODUCTIVITY

4.1: CROP SECTOR

4.1.1: PRINCIPAL AGRICULTURAL PRODUCE

- **INDUSTRIAL CROPS:** Cocoa, Oil Palm, Coconut, Coffee, Cotton, Kola, Rubber, Cashew, Shea, Soya bean.
- **STARCHY STAPLES, CEREALS AND LEGUMES:** Cassava, Cocoyam, Yam, Plantain, Maize, Rice, Millet, Sorghum, Cowpea and Groundnut.
- **FRUITS AND VEGETABLES:** Pineapple, Citrus, Banana, Pawpaw, Mango, Tomato, Pepper, Okra, Egg Plant, Onion.

TABLE 4.1 CROPPED AREA OF MAJOR CROPS ('000 HECTARES)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
MAIZE	1,042	1,023	1,025	880	865	985	1,021	1,150	1,189	1,266
RICE (PADDY)	189	216	224	233	236	241	260	282	291	357
MILLET	172	161	162	162	137	156	142	148	139	125
SORGHUM	231	226	227	228	201	224	228	226	227	192
CASSAVA	869	875	889	917	879	917	977	1,021	1,061	1,051
YAM	426	422	428	430	427	493	470	500	505	551
COCOYAM	196	194	200	200	206	204	203	214	213	219
PLANTAIN	337	340	357	363	358	363	387	409	428	448
GROUNDNUT	345	329	335	336	327	316	320	337	337	273
COWPEA	169	162	166	163	147	154	157	169	169	180
SOYA BEAN	85	85	87	86	87	102	103	112	116	126

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2021)

TABLE 4.2 CROPPED AREA OF OTHER CROPS ('000 HECTARES)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
COCOA	1,601	1,651	1,684	1,717	1,752	1,787	1,827	N/A	1,450	1,913
OIL PALM	397	409	349	426	434	347	351	359	358	375
CASHEW	87	89	91	93	95	95	119	146	156	214
COCONUT	25	26	27	27	28	28	29	29	77	30
RUBBER	26	27	27	28	28	29	30	30	58	31
CITRUS	17	17	17	18	18	18	19	19	25	19
COFFEE	0	1	1	1	1	1	1	1	1	0.5
MANGO	7	7	8	8	8	8	8	8	8	8
BANANA	8	8	8	8	8	8	9	9	8	9
PAWPAW	2	2	2	2	2	2	2	2	2	2
PINEAPPLE	10	10	11	11	11	11	11	12	13	12
TOMATO	45	46	47	48	49	50	51	52	53	54
PEPPER (CHILLI)	14	14	14	15	15	15	16	16	15	16
SHALLOT	5	5	6	6	6	6	6	6	4	6
OKRO	3	3	3	3	3	3	3	4	3	3
ONION	8	8	8	9	9	9	9	9	11	9
GARDEN EGGS	6	6	6	7	7	7	7	7	7	7

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2021)

TABLE 4.3 GROWTH RATE OF AVERAGE CROPPED AREA OF MAJOR CROPS

CROP	AVERAGE AREA ('000 HA)		GROWTH RATE	AVERAGE AREA ('000 HA)		GROWTH RATE
	2010-2012	2013-2015		2016-2018	2019-2021	
MAIZE	1,019	976	-4.21%	957	1206	25.71%
RICE (PADDY)	189	224	18.55%	245	308	-6.21%
MILLET	176	162	-8.04%	145	136	-0.46%
SORGHUM	242	227	-6.29%	218	217	13.64%
CASSAVA	878	893	1.80%	924	1050	13.82%
YAM	405	426	5.33%	456	519	4.90%
COCOYAM	202	198	-1.84%	204	214	15.14%
PLANTAIN	334	353	5.72%	370	426	-0.31%
GROUNDNUT	352	333	-5.25%	321	320	14.47%
COWPEA	173	163	-5.33%	152	174	21.65%
SOYBEAN	82	85	4.27%	97	118	21.65%

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2021), BASED ON TABLE 4.1 AND APPENDIX 16

GROWTH RATE IS BASED ON THE COMPARISON OF THE AVERAGE OF 2010 – 2012 WITH THE AVERAGE OF 2013 – 2015
AND THE AVERAGE OF 2016 - 2018 WITH AVERAGE OF 2019 – 2021.

TABLE 4.4 PRODUCTION OF MAJOR CROPS ('000 METRIC TONS)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
MAIZE	1,950	1,764	1,769	1,692	1,722	2,011	2,306	2,911	3,071	3,203
RICE (PADDY)	481	570	604	641	688	722	769	925	973	1,143
RICE (MILLED)*	332	393	417	443	475	498	531	638	651	720
MILLET	180	155	155	157	159	163	182	230	236	188
SORGHUM	280	257	259	263	230	278	316	347	356	324
CASSAVA	14,547	15,990	16,524	17,213	17,798	19,008	20,846	22,750	24,368	24,997
YAM	6,639	7,075	7,119	7,296	7,440	8,253	7,789	8,754	8,946	10,278
COCOYAM	1,270	1,261	1,299	1,301	1,344	1,387	1,461	1,551	1,596	1,650
PLANTAIN	3,556	3,675	3,828	3,952	4,000	4,279	4,688	5,479	5,811	6,177
GROUNDNUT	475	409	427	417	426	438	521	563	565	502
COWPEA	223	200	201	203	206	211	237	254	257	300
SOYA BEAN	152	139	141	142	143	170	177	193	209	218

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2022)

NOTE: *69% EXTRACTION RATE BETWEEN 2012-2020, 63% EXTRACTION RATE FOR 2021 MILLED RICE

TABLE 4.5 PRODUCTION GROWTH RATE FOR MAJOR CROPS

CROP	AVERAGE PRODUCTION ('000 MT)		GROWTH RATE	AVERAGE PRODUCTION ('000 MT)		GROWTH RATE
	2010-2012	2013-2015		2016-2018	2019-2021	
MAIZE	1,835	1,741	-5.10%	2,013	3095	53.75%
RICE (PADDY)	479	605	26.24%	726	1012	39.39%
MILLET	194	156	-19.70%	168	213	26.79%
SORGHUM	297	248	-16.53%	274	366	33.58%
CASSAVA	14,097	16,575	17.58%	19,218	24048	25.13%
YAM	6,151	7,163	16.45%	7,695	9194	19.48%
COCOYAM	1,308	1,287	-1.61%	1,397	1597	14.32%
PLANTAIN	3,571	3,819	6.92%	4,323	5851	35.35%
GROUNDNUT	490	417	-14.85%	460	549	19.35%
COWPEA	226	202	-10.93%	218	275	26.15%
SOYBEAN	154	141	-8.38%	163	206	26.38%

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2022)

4. 1. 2: ANALYSIS OF PRODUCTION OF MAJOR CROPS BY REGION

Figures 4 to 14 present the five leading (top) regions, based on a 3-year average production (2019-2021), for some selected crops grown in Ghana. Categories of crops considered are cereals (Maize, Rice, Sorghum), roots and tubers (Cassava and Yam), Plantain and legumes (Cowpea and Soyabean). Further details are presented in appendix 17 to 26.

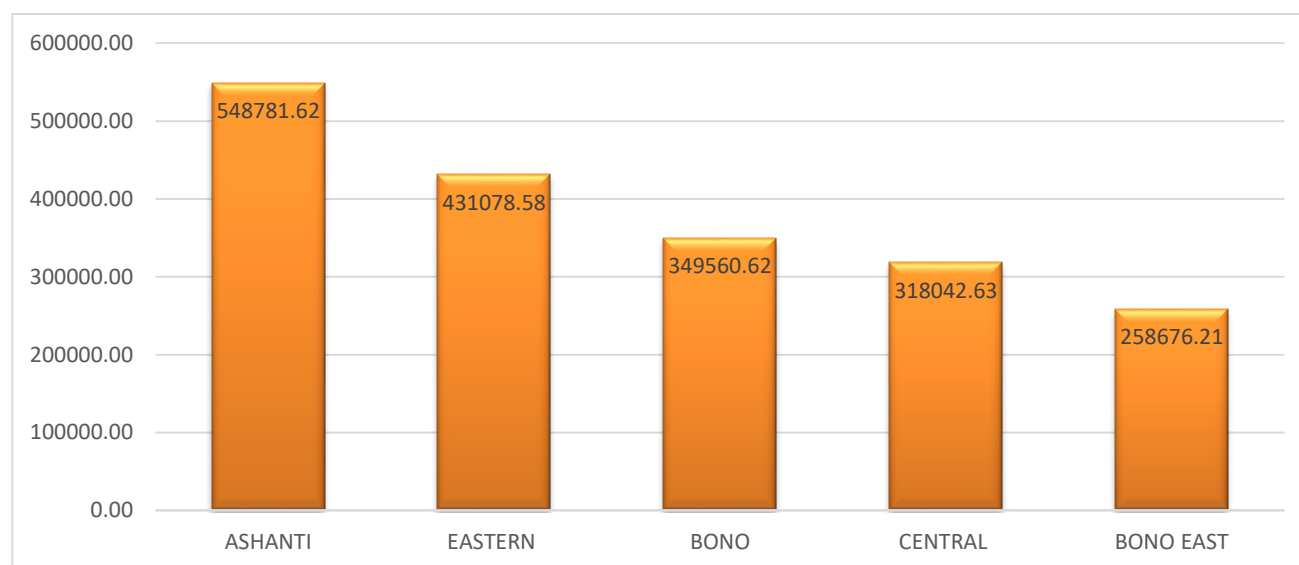


FIGURE 4: TOP FIVE MAIZE PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

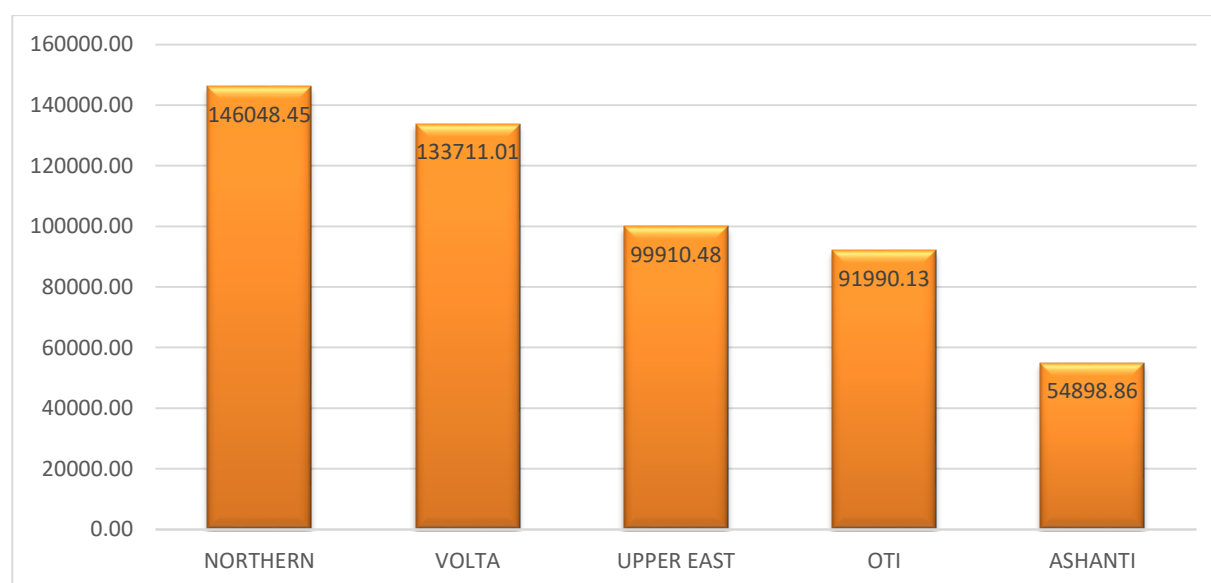


FIGURE 5: TOP FIVE RICE PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

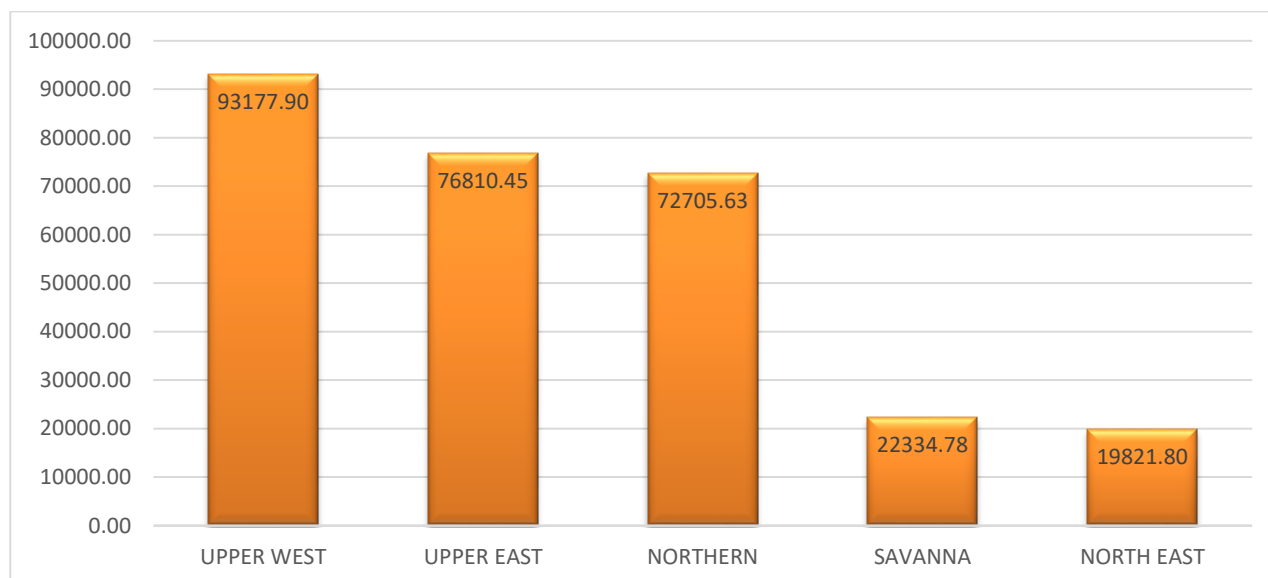


FIGURE 6: TOP FIVE SORGHUM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

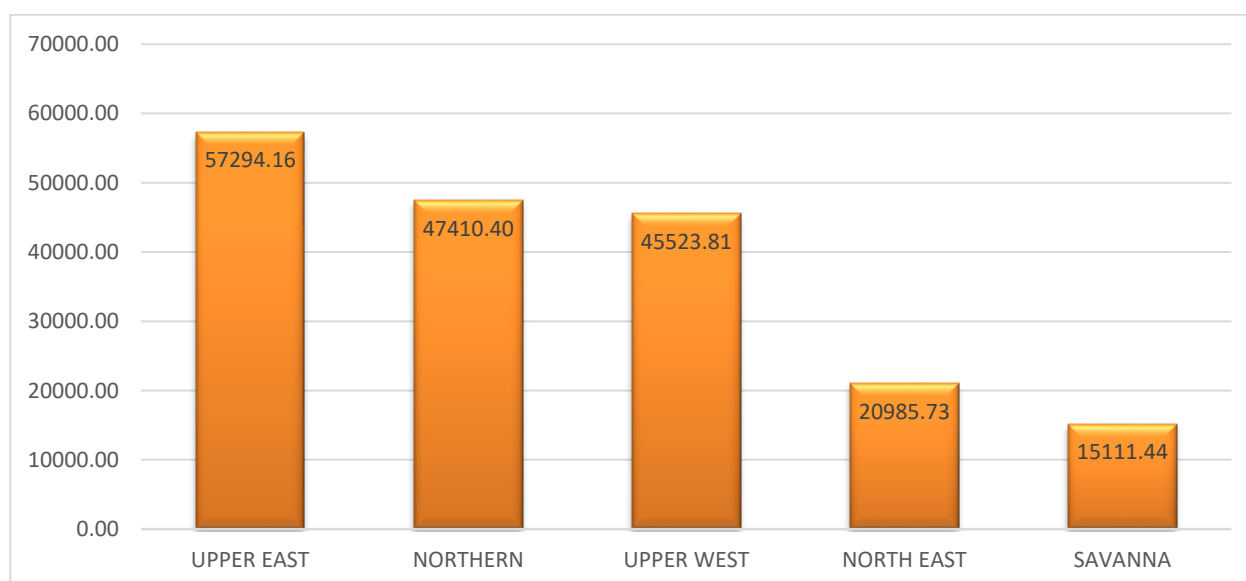


FIGURE 7: TOP FIVE MILLET PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

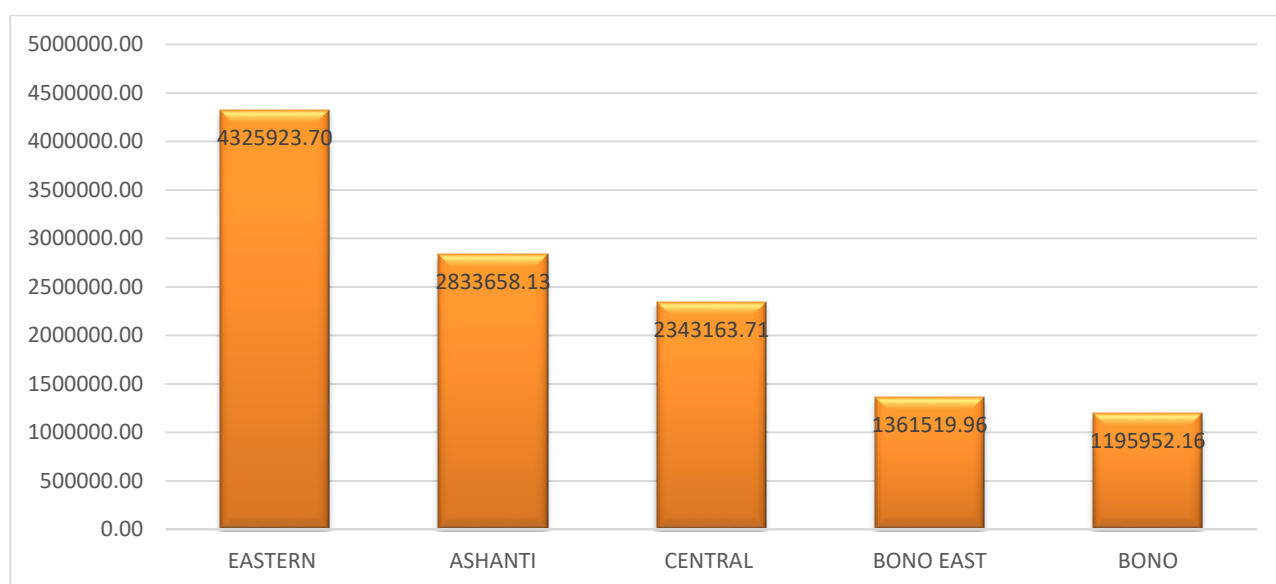


FIGURE 8: TOP FIVE CASSAVA PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

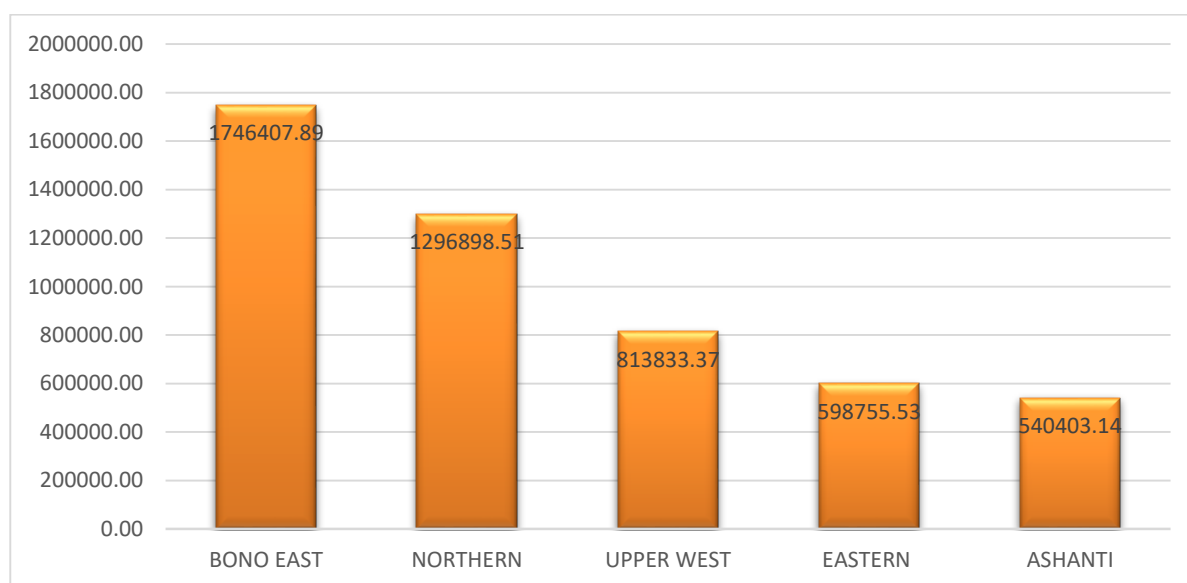


FIGURE 9: TOP FIVE YAM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

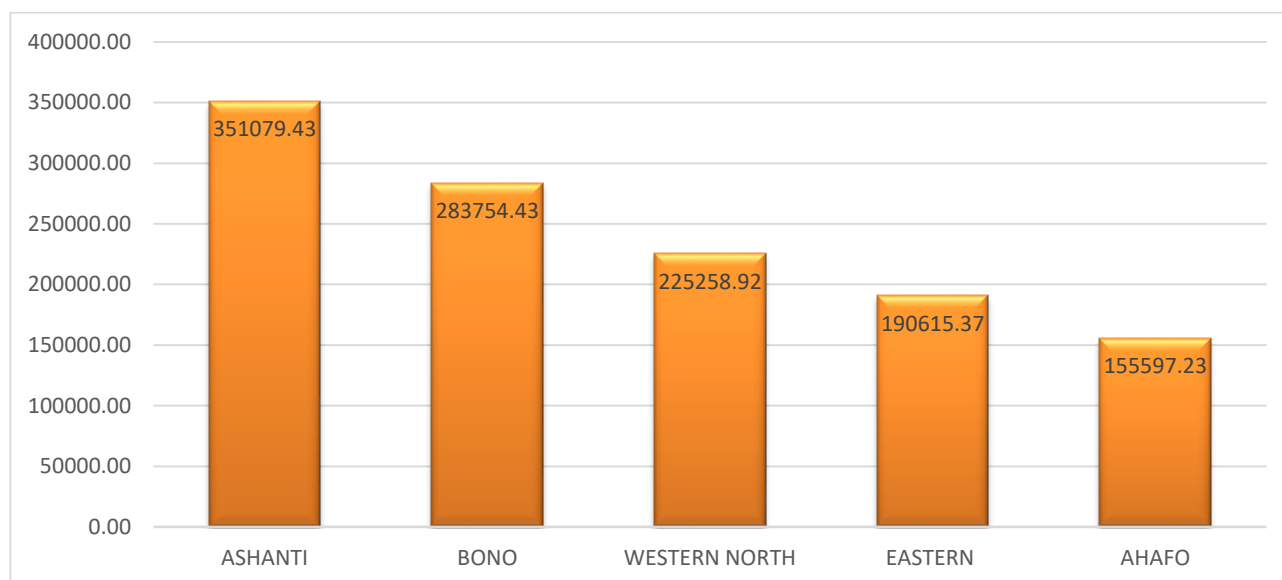


FIGURE 10: TOP FIVE COCOYAM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

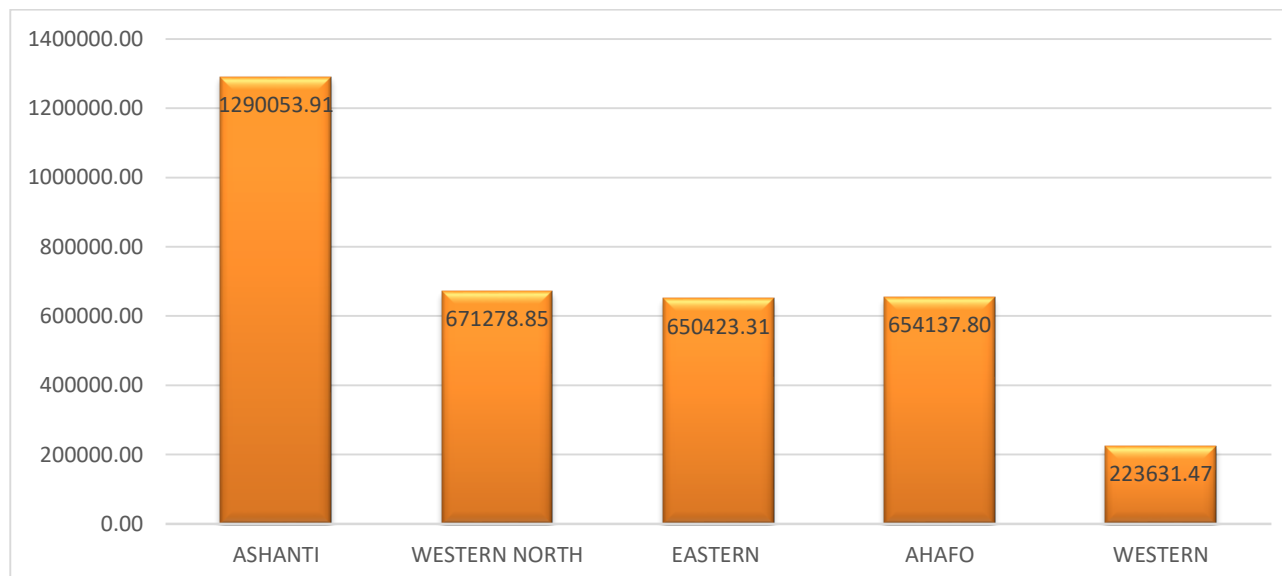


FIGURE 11: TOP FIVE PLANTAIN PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

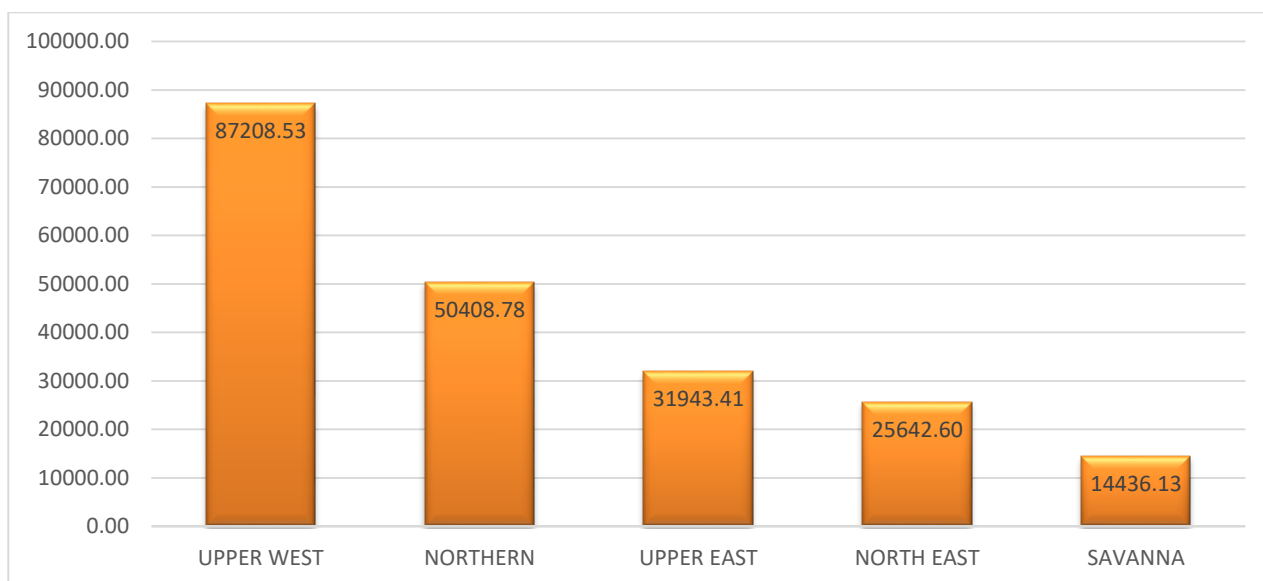


FIGURE 12: TOP FIVE COWPEA PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

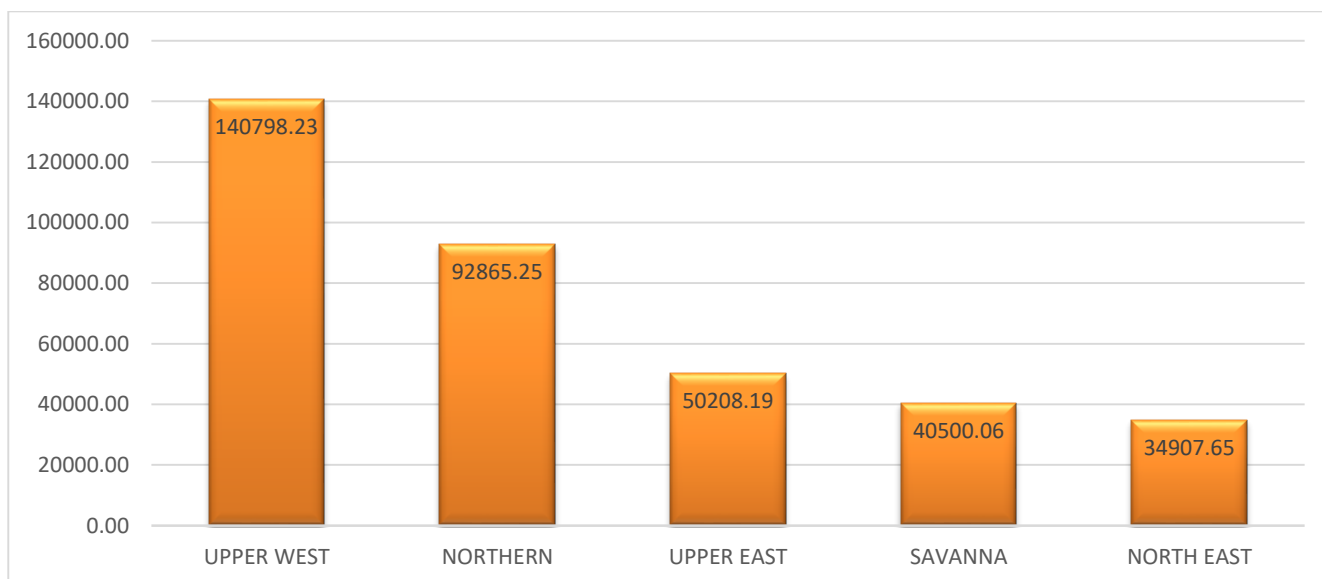


FIGURE 13: TOP FIVE GROUNDNUT PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

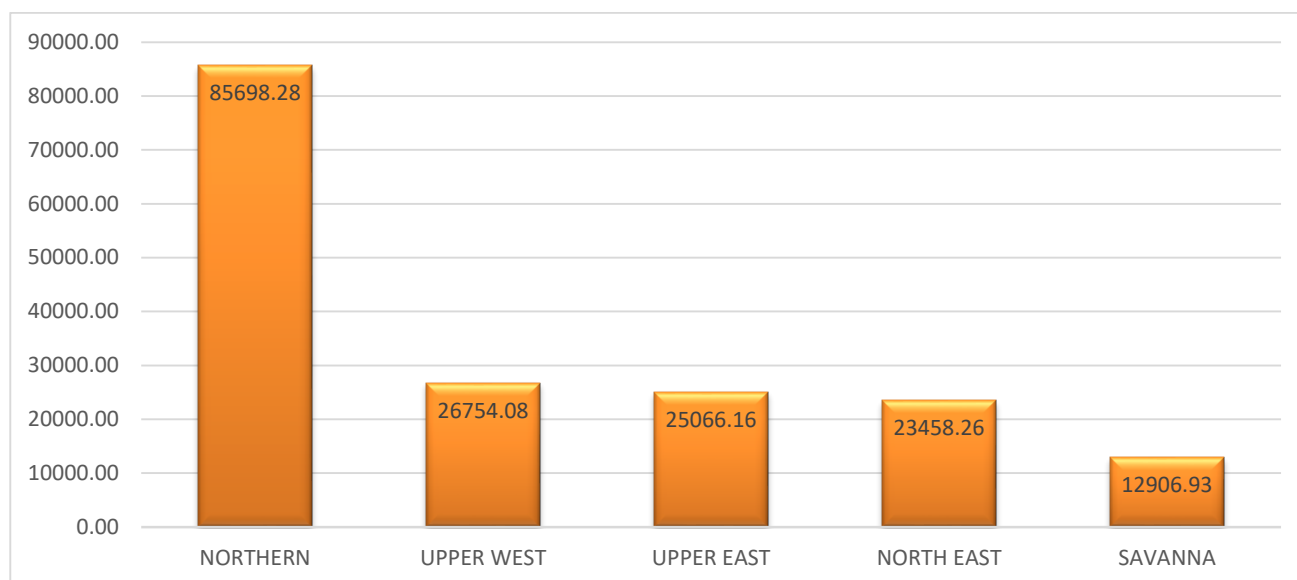


FIGURE 14: TOP FIVE SOYABEAN PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE, 2019-2021)

TABLE 4.6 AVERAGE YIELD OF SELECTED CROPS UNDER RAIN-FED CONDITIONS

Crop	Average Yield (On Farm) (Mt/Ha) 2021**	Potential Yield (Mt/Ha)*	% Achieved
Cassava	23.77	45.00	52.82
Plantain	13.79	38.00	36.29
Yam	18.64	52.00	35.29
Cocoyam	7.54	20.00	37.70
Maize	2.53	5.50	46.00
Rice (Paddy)	3.20	6.00	53.33
Cowpea	1.67	2.50	66.80
Soya bean	1.73	3.00	57.67
Groundnut	1.84	3.50	52.57
Millet	1.50	2.00	75.00
Sorghum	1.69	2.00	84.50
Sweet Potato	8.84	56.00	15.79
Taro	7.24	20.00	36.20
Cocoa	0.87	1.00	87.00
Coffee	-	-	-
Cashew	0.28	1.80	15.56
Orange	42.22	100.00	42.22
Pawpaw	38.97	75.00	51.96
Mango	13.95	13.00	107.31
Pineapple	68.11	72.00	94.60
Cotton	-	-	-
Rubber	-	-	-
Tobacco	-	-	-
Tomato	8.24	20.00	41.20
Garden eggs	8.67	15.00	57.80
Pepper	9.19	30.00	30.63

*NOTE: POTENTIAL YIELDS REFER TO YIELDS THAT HAVE BEEN ACHIEVED IN CASES WHERE MORE EFFECTIVE EXTENSION AND USE OF RECOMMENDED TECHNOLOGIES HAVE OCCURRED. THE DASHES INDICATE CROPS FOR WHICH NO ON-FARM RESEARCH FINDINGS WERE AVAILABLE AS FAR AS POTENTIAL YIELDS WERE CONCERNED. DATA ON POTENTIAL YIELDS HAVE BEEN REVISED IN LINE WITH NEW FINDINGS BY THE CRI, KUMASI.

** YIELD (MT/HA) FROM ANNUAL SURVEY, SRID.

4. 1. 3: ANALYSIS OF CROP YIELD BY DISTRICT

The following tables (Tables 4.7 to 4.17) show yield performances by the top ten performing districts for some selected crops grown in Ghana. The category of crops assessed include the cereals, legumes, plantain, roots, and tubers. The top performers were determined using a three-year average yield. The tables compared the three-year average yields (2019-2021) by district, with both the national average and potential (achievable) yields for each crop.

TABLE 4.7 ANALYSIS OF YIELD FOR MAIZE BY DISTRICT

MAIZE (MT/HA)							NATIONAL AVERAGE	2.53
							POTENTIAL YIELD	5.50
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
ASHANTI	AMANSIE WEST	3.98	4.38	4.30	4.22	1	166.77	76.71
CENTRAL	GOMOA EAST	3.8	4.22	4.44	4.15	2	164.06	75.47
ASHANTI	ATWIMA MPONUA	3.68	4.06	3.96	3.90	3	154.20	70.93
ASHANTI	BEKWAI (AMANSIE EAST)	3.67	4.02	3.95	3.88	4	153.37	70.55
ASHANTI	EJURA SEKYEDUMASE	3.37	3.91	3.87	3.72	5	146.94	67.59
CENTRAL	ABURA-ASEBU-KWAMANKESE	3.4	3.78	3.85	3.68	6	145.36	66.87
EASTERN	WEST AKIM	4.1	3.46	3.21	3.59	7	141.88	65.27
CENTRAL	TWIFO ATTI MORKWA	3.5	3.57	3.60	3.56	8	140.54	64.65
ASHANTI	OBUASI (ADANSI WEST)	3.26	3.63	3.62	3.50	9	138.49	63.71
ASHANTI	OBUASI EAST	3.26	3.63	3.62	3.50	10	138.49	63.71

TABLE 4.8 ANALYSIS OF YIELD FOR RICE BY DISTRICT

RICE (MT/HA)							NATIONAL AVERAGE	3.20
							POTENTIAL YIELD	6.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
VOLTA	KETU NORTH	6.67	5.95	5.94	6.19	1	193.33	103.11
VOLTA	HOHOE MUNICIPAL	6.38	5.86	5.84	6.03	2	188.33	100.44
ASHANTI	AHAFO ANO SOUTH EAST	5.93	5.95	5.98	5.95	3	186.04	99.22
ASHANTI	AHAFO ANO SOUTH WEST	5.93	5.95	5.98	5.95	4	186.04	99.22
OTI	JASIKAN	6.07	5.84	5.90	5.94	4	185.52	98.94
VOLTA	SOUTH TONGU	5.98	5.68	5.96	5.87	6	183.54	97.89
OTI	NKWANTA NORTH	5.59	5.25	6.30	5.71	7	178.54	95.22
VOLTA	NORTH TONGU	5.72	5.70	5.68	5.70	8	178.13	95.00
OTI	KADJEBI	5.96	5.90	4.95	5.60	9	175.10	93.39
GREATER ACCRA	SHAI OSUDOKU	5.30	4.70	6.80	5.60	10	175.00	93.33

TABLE 4.9 ANALYSIS OF YIELD FOR MILLET BY DISTRICT

MILLET (MT/HA)							NATIONAL AVERAGE	1.50
							POTENTIAL YIELD	2.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
NORTHERN	SABOBA	2.00	3.47	2.50	2.66	1	177.11	132.83
UPPER WEST	SISSALA EAST	1.99	1.94	2.40	2.11	2	140.67	105.50
SAVANNAH	NORTH EAST GONJA		2.70	1.50	2.10	3	139.90	104.92
NORTHERN	GUSHIEGU	1.40	2.97	1.88	2.08	4	138.78	104.08
UPPER WEST	LAWRA	1.98	1.97	2.10	2.02	5	134.48	100.86
UPPER WEST	WA MUNICIPAL	2.00	1.99	2.04	2.01	6	133.94	100.45
UPPER WEST	DAFIAMA-BUSSIE-ISSA	1.88	2.07	2.07	2.01	7	133.69	100.27
SAVANNAH	SAWLA/TUNA/KALBA	1.45	2.33	2.10	1.96	8	130.76	98.07
NORTHERN	ZABZUGU	2.43	0.79	2.50	1.91	9	127.08	95.31
NORTHERN	KUMBUNGU	1.50	2.56	1.62	1.89	10	126.11	94.58

TABLE 4.10 ANALYSIS OF YIELD FOR SORGHUM BY DISTRICT

SORGHUM (MT/HA)							NATIONAL AVERAGE	1.69
							POTENTIAL YIELD	2.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
NORTHERN	SABOBA	2.00	3.10	2.55	2.55	1	150.84	127.46
NORTH EAST	CHEREPOHI	2.10	2.96	2.42	2.49	2	147.47	124.62
UPPER WEST	NANDOM	2.03	2.75	2.50	2.43	3	143.51	121.26
SAVANNAH	EAST GONJA	2.34	3.31	1.40	2.35	4	139.03	117.48
SAVANNAH	SAWLA/TUNA/KALBA	2.00	2.96	1.99	2.32	5	137.02	115.78
SAVANNAH	CENTRAL GONJA	2.00	3.10	1.50	2.20	6	130.13	109.96
NORTHERN	ZABZUGU	1.90	1.96	2.40	2.09	7	123.39	104.26
NORTHERN	TAMALE METRO	2.00	2.66	1.59	2.08	8	123.30	104.19
OTI	NKWANTA NORTH	1.73	2.39	2.10	2.07	9	122.76	103.73
NORTHERN	TATALE SANGULI	1.60	2.37	2.20	2.06	10	121.61	102.76

TABLE 4.11 ANALYSIS OF YIELD FOR CASSAVA BY DISTRICT

CASSAVA (MT/HA)							NATIONAL AVERAGE	23.77
							POTENTIAL YIELD	45.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
ASHANTI	SEKYERE EAST	41.64	42.20	43.60	42.48	1	178.71	94.40
EASTERN	ATIWA WEST	38.52	-	38.20	38.36	2	161.38	85.24
EASTERN	ATIWA EAST	38.52	-	37.67	38.10	3	160.27	84.66
ASHANTI	BEKWAI (AMANSIE EAST)	32.21	32.36	33.50	32.69	4	137.53	72.64
CENTRAL	ASSIN SOUTH	33.5	32.00	30.90	32.13	5	135.18	71.41
ASHANTI	AMANSIE WEST	30.65	30.88	33.50	31.68	6	133.26	70.39
EASTERN	UPPERWEST AKIM	30.79	31.13	33.10	31.67	7	133.25	70.39
GREATER ACCRA	NINGO PRAMPAM	22.5	42.50	30.00	31.67	8	133.22	70.37
EASTERN	AKUAPIM NORTH	29.7	30.11	34.14	31.32	9	131.75	69.59
EASTERN	WEST AKIM	30.4	29.67	32.19	30.75	10	129.38	68.34

TABLE 4.12 ANALYSIS OF YIELD FOR YAM BY DISTRICT

YAM (MT/HA)							NATIONAL AVERAGE	18.64
							POTENTIAL YIELD	52.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
BONO EAST	ATEBUBU -AMANTIN	31.70	25.20	25.89	27.60	1	148.05	53.07
UPPER WEST	DAFIAMA-BUSSIE-ISSA	26.14	25.00	24.03	25.06	2	134.42	48.19
UPPER WEST	WA MUNICIPAL	25.65	24.50	23.90	24.68	3	132.42	47.47
UPPER WEST	NADOWLI	25.15	24.10	24.20	24.48	4	131.35	47.08
BONO EAST	SENE EAST	25.30	23.50	24.31	24.37	5	130.74	46.87
AHAFO	ASUNAFO SOUTH	17.32	17.11	37.94	24.12	6	129.41	46.39
OTI	NKWANTA NORTH	21.52	21.64	25.50	22.89	7	122.78	44.01
BONO EAST	SENE WEST	21.40	23.50	23.52	22.81	8	122.35	43.86
EASTERN	KWAHU EAST	19.97	23.80	23.80	22.52	9	120.83	43.31
OTI	KRACHI EAST	22.74	22.28	22.50	22.51	10	120.74	43.28

TABLE 4.13 ANALYSIS OF YIELD FOR COCOYAM BY DISTRICT

COCOYAM (MT/HA)							NATIONAL AVERAGE	7.54
							POTENTIAL YIELD	20.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
EASTERN	ATIWA WEST	11.20	-	9.94	10.57	1	140.19	52.85
EASTERN	ATIWA EAST	10.04	-	9.97	10.01	2	132.69	50.03
EASTERN	AYENSUANO	9.77	9.79	9.92	9.83	3	130.33	49.13
EASTERN	BIRIM CENTRAL	9.56	9.52	9.75	9.61	4	127.45	48.05
EASTERN	ASENE MANSO AKROSO	9.56	-	9.65	9.61	5	127.39	48.03
EASTERN	ACHIASE		-	9.52	9.52	6	126.26	47.60
EASTERN	BIRIM SOUTH	9.42	9.40	9.52	9.45	7	125.29	47.23
WESTERN	AMENFI CENTRAL	8.10	8.30	10.99	9.13	8	121.09	45.65
WESTERN NORTH	SEFWI-WIAWSO	8.00	9.52	9.87	9.13	9	121.09	45.65
EASTERN	KWAEBIBIREM	8.86	8.84	8.96	8.89	10	117.86	44.43

TABLE 4.14 ANALYSIS OF YIELD FOR PLANTAIN BY DISTRICT

PLANTAIN (MT/HA)							NATIONAL AVERAGE	13.79
							POTENTIAL YIELD	38.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
AHAFO	ASUNAFO SOUTH	18.80	18.60	19.80	19.07	1	138.27	50.18
AHAFO	ASUNTIFI SOUTH	18.75	18.71	17.87	18.44	2	133.74	48.53
GREATER ACCRA	OKAIKOI NORTH			18.22	18.22	3	132.12	47.95
WESTERN	AMENFI CENTRAL	13.44	16.41	24.38	18.08	4	131.10	47.58
BONO	SUNYANI MUNI.	16.50	18.00	18.00	17.50	5	126.90	46.05
BONO	DORMAA EAST	16.10	18.11	18.10	17.44	6	126.44	45.89
ASHANTI	AHAFO ANO NORTH	17.12	17.35	17.54	17.34	7	125.72	45.62
ASHANTI	ASANTE AKIM SOUTH	16.45	16.66	16.95	16.69	8	121.01	43.91
ASHANTI	AKUOFROM	16.10	16.40	16.83	16.44	9	119.24	43.27
AHAFO	ASUNAFO NORTH	18.91	12.91	17.42	16.41	10	119.03	43.19

TABLE 4.15 ANALYSIS OF YIELD FOR GROUNDNUT BY DISTRICT

GROUNDNUT (MT/HA)							NATIONAL AVERAGE	1.84
							POTENTIAL YIELD	3.50
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
NORTHERN	SAGNERIGU	1.86	4.00	2.32	2.73	1	148.19	77.90
SAVANNAH	EAST GONJA	2.60	2.62	2.68	2.63	2	143.12	75.24
NORTHERN	NANTON	2.50	2.60	2.50	2.53	3	137.68	72.38
ASHANTI	AFIGYA KWABRE	2.09	2.40	2.53	2.34	4	127.17	66.86
ASHANTI	AFIGYA KWABRE NORTH	2.09	2.42	2.46	2.32	5	126.27	66.38
NORTHERN	SAVELUGU	2.50	1.90	2.46	2.29	6	124.28	65.33
ASHANTI	SEKYERE SOUTH	2.03	2.35	2.42	2.27	7	123.19	64.76
NORTH EAST	MAMPRUGU MOAGDURI	2.00	2.50	2.30	2.27	8	123.19	64.76
ASHANTI	SEKYERE KUMAWU	2.02	2.32	2.40	2.25	9	122.10	64.19
SAVANNAH	NORTH GONJA	2.39	2.35	2.00	2.25	10	122.10	64.19

TABLE 4.16 ANALYSIS OF YIELD FOR COWPEA BY DISTRICT

COWPEA (MT/HA)							NATIONAL AVERAGE	1.67
							POTENTIAL YIELD	2.50
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
VOLTA	KETU NORTH	3.77	3.80	3.84	3.80	1	227.41	152.13
VOLTA	AKATSI SOUTH	4.28	3.30	3.43	3.67	2	219.44	146.80
VOLTA	HO WEST	2.67	2.73	2.83	2.74	3	164.03	109.73
OTI	KRACHI WEST	2.32	2.48	2.40	2.40	4	143.50	96.00
OTI	NKWANTA NORTH	2.20	2.22	2.70	2.37	5	141.91	94.93
VOLTA	SOUTH TONGU	2.12	2.20	2.40	2.24	6	133.94	89.60
OTI	KRACHI EAST	2.21	2.36	2.00	2.19	7	130.95	87.60
OTI	NKWANTA SOUTH	1.95	2.00	2.50	2.15	8	128.55	86.00
VOLTA	NORTH TONGU	1.98	2.10	2.17	2.08	9	124.57	83.33
VOLTA	CENTRAL TONGU	1.99	2.00	2.20	2.06	11	123.37	82.53

TABLE 4.17 ANALYSIS OF YIELD FOR SOYABEAN BY DISTRICT

SOYABEAN (MT/HA)							NATIONAL AVERAGE	1.73
							POTENTIAL YIELD	3.00
REGION	DISTRICT	2019	2020	2021	3-YEAR AVG.	RANK	AVG. YIELD AS % OF NATIONAL AVG.	AVG. YIELD AS % OF POTENTIAL YIELDS
SAVANNAH	WEST GONJA	2.50	2.51	2.13	2.38	1	137.68	79.33
NORTHERN	MION	2.12	2.2	2.50	2.27	2	131.51	75.78
NORTHERN	SAVELUGU	2.15	2.5	2.00	2.22	3	128.24	73.89
NORTHERN	TAMALE METRO	1.92	2.4	2.00	2.11	4	121.87	70.22
NORTHERN	NANTON	2.15	2.1	2.00	2.08	5	120.52	69.44
NORTHERN	GUSHIEGU	1.56	2.43	2.00	2.00	6	115.51	66.56
NORTHERN	TOLON	2.15	1.51	2.20	1.95	7	113.00	65.11
NORTHERN	ZABZUGU	1.96	1.89	2.00	1.95	8	112.79	64.99
NORTHERN	NANUMBA SOUTH	2.75	1.09	2.00	1.95	9	112.62	64.89
UPPER WEST	WA WEST	1.87	1.90	2.00	1.92	10	111.27	64.11

TABLE 4.18 APPARENT PER CAPITA CONSUMPTION

COMMODITY	2016	2017	2018	2019	2020	2021
CEREALS						
MAIZE	45.06	45.00	62.56	73.72	75.91	75.03
RICE (MILLED)	40.38	32.00	47.63	57.25	51.63	42.22
MILLET	4.89	5.00	5.91	7.21	6.88	5.31
SORGHUM	7.06	5.00	10.19	10.98	10.77	9.15
WHEAT	18.09	13.00	23.59	21.10	1.79	4.83
STARCHY STAPLES						
CASSAVA	440.11	152.00	492.74	525.00	570.45	568.25
YAM	209.41	125.00	209.82	230.34	249.06	267.02
COCOYAM	120.12	85.00	46.85	153.68	70.65	190.56
PLANTAIN	45.09	40.00	134.56	48.57	165.46	45.54
LEGUMES						
GROUNDNUT	13.51	12.00	15.83	16.74	13.43	14.68
COWPEA	6.20	5.00	6.80	7.12	7.80	8.28
SOYA BEAN	4.30	2.00	5.07	5.41	4.88	6.01

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2021)

TABLE 4.19 FOOD BALANCE SHEET 2021/2022

Type of Commodity	Gross Biological Production (MT)	Available Total Domestic Production Available for Human Consumption* (MT)	Total Imports of Commodities (MT)	Carry Over Stock (MT)	Total Exports of Commodities (MT)	Total Supply of Commodities (MT)	Per Capita Consumption (Kg/Annun)	Estimated Net Consumption of Commodities (MT)	Closing Stock (MT)	Total Needs (MT)	Net Deficit/ Surplus (MT)
CEREALS	3,715,096	3,314,165	796,435	454,979	1,376	4,564,203		4,171,836	456,420	4,628,256	(64,053)
Maize	3,203,485	2,242,440	67,940	234,992	6	2,545,365	77.28	2,379,683	254,537	2,634,220	(88,854)
Rice (Paddy)	1,143,265	-	-	-	-	-	-	-	-	-	-
Rice (Milled)**	720,257	626,624	579,810	159,813	491	1,365,756	42.13	1,297,309	136,576	1,433,885	(68,129)
Millet	187,835	163,416		21,283	241	184,458	4.88	150,270	18,446	168,716	15,743
Sorghum	323,776	281,685	2	33,348	638	314,397	11.19	344,574	31,440	376,013	(61,616)
Wheat	-	0	148,683	5,543		154,226		0	15,423	15,423	138,803
STARCHY STAPLES	43,100,833	32,537,270	0	3,267,685	34,970	35,769,985		32,768,987		32,768,987	3,000,998
Cassava	24,996,782	17,497,747		1,765,825		19,263,572	568.87	17,517,214	0	17,517,214	1,746,358
Yam	10,277,733	8,222,186		770,986	34,787	8,958,385	256.69	7,904,255	0	7,904,255	1,054,130
Plantain	6,176,660	5,250,161		512,173	183	5,762,151	45.43	1,398,926	0	1,398,926	4,363,225
Cocoyam	1,649,658	1,567,175		218,701		1,785,876	193.18	5,948,592	0	5,948,592	(4,162,716)
LEGUMES:	1,019,787	891,934	0	80,828	519	972,243		919,479		919,479	52,764
Groundnuts	502,298	452,068		41,580	278	493,370	15.19	467,746	0	467,746	25,625
Cowpea	299,919	254,931		24,155	204	278,882	8.70	267,899	0	267,899	10,983
Soyabean	217,570	184,935		15,093	37	199,991	5.97	183,834	0	183,834	16,156

SOURCES: STATISTICS RESEARCH & INFORMATION DIRECTORATE, MOFA (2022)

NOTES: ESTIMATED POPULATION FOR 2019 = 30.28 MILLION (SOURCE: GHANA STATISTICAL SERVICE, POPULATION PROJECTIONS).

*70% OF DOMESTIC PRODUCTION FOR MAIZE AND CASSAVA; 87% FOR RICE, MILLET, AND SORGHUM; 80% FOR YAM 95% FOR COCOYAM; 90% FOR GROUNDNUTS; 85% FOR PLANTAIN, SOYABEAN AND COWPEA. LIVESTOCK FEED, WASTAGE, AND SEED ACCOUNT FOR THE DISCOUNT.

**MILLED RICE IS 63% OF THE PADDY

TABLE 4.20 PRODUCTION OF INDUSTRIAL CROPS (MT)

YEAR	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
COCOA	835,466	896,917	740,254	778,043	969,510	904,777	811,610	770,691	800,000	1,047,385
RUBBER	20,200	21,440	22,427	22,427	23,671*	24,628*	25,275.53*	25,907.42*	26,689.82*	27,343.73*
OIL PALM	2,196,100	2,326,920	2,443,270	2,443,000	2,443,000*	2,476,065**	2,647,066**	2,655,440**	2,471,605**	2,154,078***

SOURCES: FOOD AND AGRICULTURE ORGANIZATION (FAO) 2020

* SRID PROJECTIONS

** FAO DATA BASED ON IMPUTATION METHODOLOGY.

***PROVISIONAL

4. 2: LIVESTOCK SUB-SECTOR

TABLE 4.21 TREND OF LIVESTOCK POPULATION ('000)

TYPE OF LIVESTOCK	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CATTLE	1,543	1,590	1,657	1,734	1,815	1,901	1,943	2,032	2,109	2,174
SHEEP	4,019	4,156	4,335	4,522	4,744	4,978	5,102	5,333	5,544	5,695
GOAT	5,435	5,751	6,044	6,352	6,740	7,151	7,366	7,764	8,180	8,411
PIG	602	638	682	730	777	816	845	894	946	785
POULTRY	57,885	63,732	68,511	71,594	73,885	75,363	76,870	79,391	81,769	81,487

SOURCE: SRID/MOFA PROJECTIONS (2021)

TABLE 4.22 LIVESTOCK SLAUGHTER SUMMARY (NUMBERS) -

TYPE OF LIVESTOCK	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	(%) CHANGE (2021/2020)
CATTLE	220,446	200,819	164,554	141,144	116,056	129,694	122,083	122,802	121,863	192,567	58.02
SHEEP	90,656	68,344	64,594	47,546	42,138	47,960	49,291	49,526	50,312	73,494	46.08
GOAT	140,914	118,623	129,073	76,531	67,390	74,101	78,366	86,313	88,372	104,277	18.00
PIG	23,608	24,062	21,735	13,618	11,923	13,195	15,648	16,481	20,785	32,279	55.30
OTHER*	5,521	2,824	4,102	3,045	5,513	4,746	2,130	1,043	3,722	5,415	45.49
TOTAL (ALL LIVESTOCK)	481,145	414,672	384,058	281,884	243,020	269,696	267,518	276,165	285,054	408,032	43.14

SOURCE: VETERINARY SERVICES DIRECTORATE, MOFA, ACCRA (2021)

*DOGS AND DONKEYS

TABLE 4.23 LIVE ANIMAL IMPORTS BY SPECIES

YEAR	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CATTLE	23,622	21,131	20,948	17,968	23,575	32,249	52,948	69,083	42,838	45,345
SHEEP	9,840	16,738	22,188	15,763	13,854	47,526	55,602	48,799	68,656	54,158
GOAT	10,008	16,953	32,012	20,004	16,900	46,665	84,751	103,201	72,606	77,870
TOTAL	43,470	54,822	75,148	53,735	54,329	126,440	193,301	221,083	184,100	177,373

SOURCE: VETERINARY SERVICES DIRECTORATE, MOFA, ACCRA (2021)

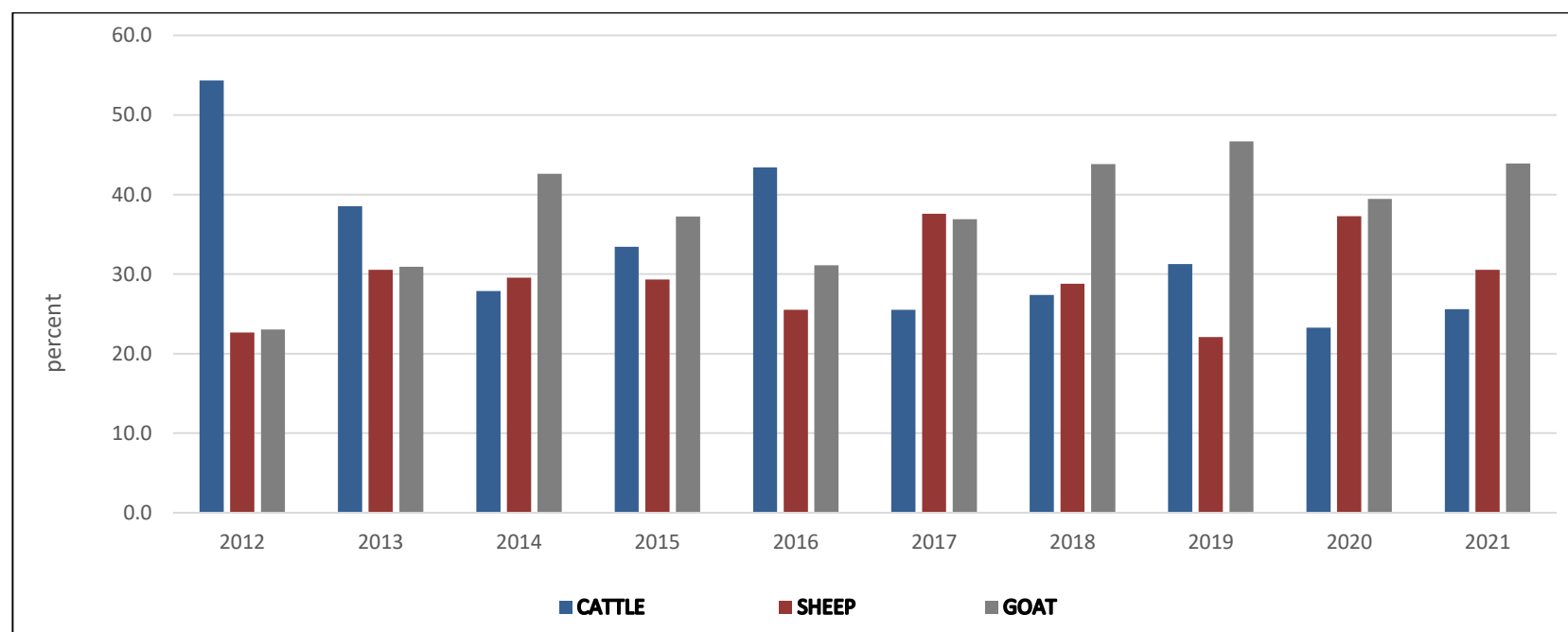
**FIGURE 15: PERCENTAGE SHARE OF TOTAL LIVE ANIMAL IMPORTS BY SPECIES**

TABLE 4.24 IMPORTATION OF DAY-OLD CHICKS AND PARENT STOCK (NUMBERS)

YEAR	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
BROILER	651,112	1,088,865	3,161,144	246,948	784,917	724,580	511,960	906,408	413,332	346,951
LAYER	3,227,844	4,481,602	602,209	2,573,326	3,963,705	5,476,815	7,130,999	7,710,553	10,400,501	10,438,082
TURKEY	16,966	9,286	6,840	19,497	13,412	14,945	41,189	30,487	18,150	41,965
PARENT STOCK	114,344	126,288	18,080	111,692	158,386	86,099	101,871	45,321	191,772	181,270
TOTAL	4,010,266	5,706,041	3,788,273	2,951,463	4,920,420	6,302,439	7,786,019	8,692,769	11,023,755	11,008,268

SOURCE: VETERINARY SERVICES DIRECTORATE, MOFA (2021)

TABLE 4. 25 WEIGHT/VOLUME OF FROZEN MEAT IMPORTS BY CATEGORY - (MT)

MEAT CATEGORY	2017	2018	2019	2020	2021	5-YEAR GRAND TOTAL	SHARE BY CATEGORY OF TOTAL (2017-2021) IMPORT (MT)	ANNUAL AVERAGE IMPORT (MT)
POULTRY*	151,346	204,755	153,448	148,118	1,073	658,740	78.61%	131,748
PORK (SWINE)	5,748	3,082	2,914	3,559	1,622	16,925	2.02%	3,385
BOVINE (CATTLE)	28,913	30,440	18,931	37,026	29,909	145,219	17.33%	29,044
SMALL RUMINANTS (SHEEP + GOAT)	3,685	3,541	2,041	3,844	3,939	17,050	2.03%	3,410
TOTAL (ALL CATEGORY)	189,692	241,818	177,334	192,547	36,543	837,934	100.00%	
CONTRIBUTION (ALL CATEGORY) TO 5-YR GRAND TOTAL	22.64%	28.86%	21.16%	22.98%	4.36%			

SOURCE OF IMPORT DATA (WT. & VALUE): GHANA STATISTICAL SERVICE (GSS)

*POULTRY: CHICKEN ACCOUNTS FOR OVER 97%, TURKEY MEAT: 2.9%, OTHER: 0.03% (OTHER: DUCKS, GEESE, GUINEA FOWL)

TABLE 4. 26 VALUE OF MEAT IMPORTS BY CATEGORY (GH¢)

	2017	2018	2019	2020	2021	TOTAL (2017-2020)	ANNUAL AVERAGE (GH¢)
POULTRY	536,346,194	596,926,016	404,738,337	354,744,749	3,510,200	1,896,265,496	379,253,099
PORK (SWINE)	20,116,990	12,979,892	10,381,643	13,185,030	4,716,843	61,380,398	12,276,080
BOVINE (CATTLE)	109,909,399	112,077,555	51,837,795	88,525,688	74,221,821	436,572,258	87,314,452
SMALL RUMINANTS (SHEEP+GOATS)	14,064,591	14,039,532	6,546,136	17,627,658	9,569,738	61,847,655	12,369,531
TOTAL (ALL CATEGORY)	680,437,174	736,022,995	473,503,911	474,083,125	92,018,603	2,456,065,808	491,213,162
SHARE (ALL CATEGORY) BY YEAR	27.70%	29.97%	19.28%	19.30%	3.75%		
ANNUAL CHANGE (VARIATION)		8.17%	-35.67%	0.12%	-80.59%		

SOURCE OF IMPORT DATA (WT. & VALUE): GHANA STATISTICAL SERVICE (GSS)

*POULTRY: CHICKEN ACCOUNTS FOR OVER 97%, TURKEY MEAT: 2.9%, OTHER: 0.03% (OTHER: DUCKS, GEESE, GUINEA FOWLS)

TABLE 4. 27 VALUE OF MEAT IMPORTS BY CATEGORY (\$)

	2017	2018	2019	2020	2021	TOTAL (2017-2021)	ANNUAL AVERAGE (\$)
POULTRY	102,748,313	114,353,643	77,536,080	63,347,277	584,731	358,570,044	71,714,009
PORK (SWINE)	3,853,829	2,486,569	1,988,820	2,354,470	785,734	11,469,422	2,293,884
BOVINE (CATTLE)	21,055,440	21,470,796	9,930,612	3,147,796	12,363,916	67,968,560	13,593,712
SMALL RUMINANTS (SHEEP+GOATS)	2,694,366	2,689,566	1,254,049	84,657,701	1,594,133	92,889,815	18,577,963
TOTAL (ALL CATEGORY)	130,351,948	141,000,574	90,709,561	153,507,244	15,328,514	530,897,841	106,179,568
SHARE (ALL CATEGORY) BY YEAR	24.55%	26.56%	17.09%	28.91%	2.89%		
ANNUAL CHANGE (VARIATION)		8.17%	-35.67%	69.23%	-90.01%		

SOURCE OF IMPORT DATA (WT. & VALUE): GHANA STATISTICAL SERVICE (GSS)

TABLE 4. 28 DOMESTIC MEAT PRODUCTION (MT)

TYPE OF LIVESTOCK	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CATTLE	21,221	21,863	22,781	23,841	24,961	26,134	26,716	27,936	28,999	29,893
SHEEP	18,087	18,703	19,507	20,347	21,349	22,399	22,959	23,999	24,948	25,628
GOATS	21,198	22,429	23,573	24,774	26,285	27,889	28,727	30,278	31,902	32,803
PIGS	20,224	21,432	22,932	24,513	26,107	27,412	28,392	30,025	31,786	26,376
POULTRY	46,308	50,985	54,809	57,276	59,108	60,291	61,496	63,513	65,415	65,190
TOTAL	127,038	135,412	143,603	150,751	157,810	164,124	168,291	175,751	183,050	179,889

SOURCE: SRID (2021), (ESTIMATED FROM TABLE 4.11 BASED ON INFORMATION AND CRITERIA IN APPENDIX 14)

4. 3: FISHERIES SUB-SECTOR

TABLE 4. 29 FISH CAPTURE BY SOURCE (MT)

SOURCE	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
MARINE	333,697	314,868	289,147	312,535	294,627	342,427	302,432	317,393	326,868	393,970
INLAND	95,000	86,741	85,383	86,268	86,223	76,574	73,628	77,280	80,923	145,272
AQUACULTURE	27,451	32,512	38,547	44,515	52,470	60,000	76,620	80,751	60,004	89,375
TOTAL	456,148	434,121	413,077	443,318	433,320	479,001	452,680	475,424	467,795	628,617

SOURCE: FISHERIES COMMISSION/MINISTRY OF FISHERIES AND AQUACULTURE DEVELOPMENT (MOFAD)

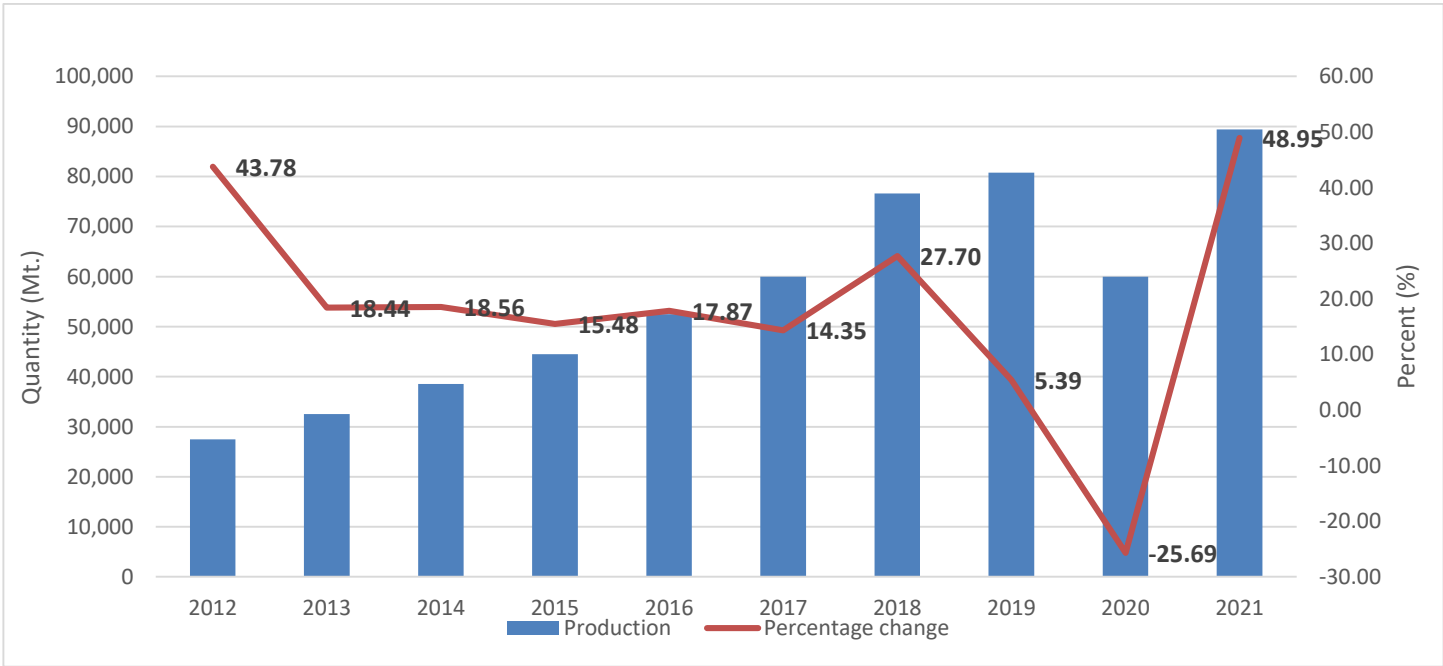


FIGURE:16 ANNUAL AQUACULTURE PRODUCTION (MT)

TABLE 4.30 FISH IMPORTS AND EXPORTS (MT)

CATEGORY	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TOTAL FISH IMPORTS	181,825	150,701	145,910	180,802	192,131	197,063	192,690	190,617	244,487	273,382
TOTAL FISH EXPORTS	46,234	37,617	57,358	53,750	53,100	48,767	73,628	81,205	25,374	121,286

SOURCE: FISHERIES COMMISSION/MINISTRY OF FISHERIES AND AQUACULTURE DEVELOPMENT (MOFAD)

SECTION 5: SERVICES IN AGRICULTURE

5.1: CREDIT SUPPORT

TABLE 5.1 SECTORIAL DISTRIBUTION OF CREDIT BY DEPOSIT MONEY BANKS (%)

SECTOR	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
AGRIC., FORESTRY& FISHING	4.87	4.09	3.64	3.84	3.79	3.79	4.17	4.11	4.62	3.40
MINING & QUARRYING	1.14	1.00	0.93	1.95	2.35	2.42	3.17	3.46	2.86	0.33
MANUFACTURING	11.08	8.87	9.46	8.41	8.18	8.07	9.34	10.43	10.88	11.01
CONSTRUCTION	4.83	4.45	4.76	9.8	10.24	10.96	10.47	9.9	8.68	8.84
ELECTRICITY GAS & WATER	2.14	2.65	2.84	14.74	15.72	12.57	8.3	7.98	7.55	2.14
IMPORT TRADE	8.01	9.12	8.18	9.14	7.49	6.31	5.27	4.26	2.74	2.66
EXPORT TRADE	8.49	9.00	9.58	0.51	0.73	0.79	0.78	0.72	0.36	9.71
COMMERCE & FINANCE	16.99	16.24	15.93	13.65	16.41	18.39	17.72	16.53	17.37	17.67
TRANSPORT, STORAGE & COMMUNICATION	7.93	11.35	13.33	4.91	7.15	8.45	9.94	9.72	9.26	6.46
SERVICES	26.46	26.35	23.48	21.89	19.62	18.8	20.74	21.91	26.67	30.57
MISCELLANEOUS	8.07	6.88	7.87	8.52	8.33	9.46	10.11	9.79	8.99	7.21

SOURCE: STATITICAL BULLETIN, BANK OF GHANA 2021.

TABLE 5.2 BANK LENDING RATE

NO.	NAME OF BANK	LENDING RATE (%)
1	ABSA BANK GHANA LIMITED	23.74
2	ACCESS BANK GHANA PLC	17.86
3	AGRICULTURAL DEVELOPMENT BANK LIMITED	23.52
4	BANK OF AFRICA GHANA LIMITED	17.40
5	CALBANK PLC	18.97
6	CONSOLIDATED BANK GHANA LIMITED	21.13
7	ECOBANK GHANA LIMITED	18.45
8	FBNBANK (GHANA) LIMITED	21.58
9	FIDELITY BANK GHANA LIMITED	20.18
10	FIRST ATLANTIC BANK LIMITED	19.77
11	FIRST NATIONAL BANK (GHANA) LIMITED	20.95
12	GCB BANK LIMITED	23.05
13	GUARANTY TRUST BANK (GHANA) LIMITED	17.07
14	NATIONAL INVESTMENT BANK LIMITED	22.63
15	OMNIBSIC BANK GHANA LIMITED	19.11
16	PRUDENTIAL BANK LIMITED	22.60
17	REPUBLIC BANK (GHANA) PLC	20.16
18	SOCIETE GENERAL GHANA PLC	22.71
19	STANBIC BANK GHANA LIMITED	21.05
20	STANDARD CHARTERED BANK (GHANA) LIMITED	21.22
21	UNITED BANK FOR AFRICA (GHANA) LIMITED	19.45
22	UNIVERSAL MERCHANT BANK LIMITED	22.09
23	ZENITH BANK (GHANA) LIMITED	19.33

SOURCE: BANK OF GHANA 2021.

TABLE 5.3 BANKS IN GHANA

BANK NAME	ADDRESS	PHONE NUMBER	WEBSITE
ABSA BANK GHANA LIMITED	Absa House J.E. Atta-Mills High Street Accra P.O. Box GP2949, Accra	233-302-429150	https://www.absa.com.gh
ACCESS BANK (GHANA) PLC	Starlets' 91 Road, Opposite Accra Sports Stadium, Osu P. O. Box GP 353, Accra, Ghana	233-302-661769	http://www.ghana.accessbankplc.com
AGRICULTURAL DEVELOPMENT BANK LIMITED	Accra Financial Centre, 3rd Ambassadorial Development Area, Ridge-Accra, P.O. Box 4191, Accra-Ghana	233-302-770403	http://www.agricbank.com
BANK OF AFRICA GHANA LIMITED	Head Office, 1st Floor, Block A&B, The Octagon, Independence Avenue P.O. Box C1541 Cantonments, Accra – Ghana	233-302-249690	http://www.boaghana.com
CAL BANK PLC	23 Independence Ave P.O. Box 14596 Accra – Ghana	233-302-680061	http://www.calbank.net
CONSOLIDATED BANK GHANA LIMITED	First Floor, Manet Tower 3, Airport City, Accra PMB CT363, Cantonments, Accra	233 302-634330	http://www.cbg.com.gh
ECOBANK GHANA LIMITED	2 Morocco Lane, Off Independence Avenue, P.O. Box: P.O. Box AN 16746, Accra North – Ghana	233 302-681146/8	http://www.ecobank.com
FBN BANK (GHANA) LIMITED	Plot No. 6,7 and 9, Liberation Road, Accra, PMB No. 16, Accra North, Ghana	233-302-236136/235684	http://www.fbnbankghana.com
FIDELITY BANK GHANA LIMITED	Ridge Towers – Ridge, Accra. PMB 43, Cantonments, Accra, Ghana.	233-302-214490	http://www.fidelitybank.com.gh
FIRST ATLANTIC BANK LIMITED	No.1 Seventh Avenue, Ridge West, Accra, P.O Box CT1620, Cantonments, Accra, Ghana	233 -302-68 2203	http://www.firstatlanticbank.com.gh
FIRST NATIONAL BANK (GHANA) LIMITED	Head Office, 6th Floor, Accra Financial Centre, Independence Ave./Liberation Road, P.O. Box TU 23, Accra-Ghana	233-302-242435050	http://www.firstnationalbank.com.gh

BANK NAME	ADDRESS	PHONE NUMBER	WEBSITE
GCB BANK LIMITED	Head Office, High Street, 2 Thorpe Road, P.O. Box 134, Accra	233-302-672852	http://www.gcbbank.com.gh
GUARANTY TRUST BANK (GHANA) LIMITED	25A, Castle Road, Ambassadorial Enclave, Ambassadorial Enclave, Ridge, PMB CT 416, Accra – Ghana	233-302 - 680668	http://www.gtbgghana.com
NATIONAL INVESTMENT BANK LIMITED	Manet Tower B, Plot 25 – Accra City, Accra, P.O. Box 3726, Accra, Ghana.	233-302-661701	http://www.nib-ghana.com
OMNIBSIC BANK GHANA LIMITED	Atlantic Tower Building, Airport City, Accra, P.O. Box KN 5569, Kaneshie, Accra	233-307-086000	http://www.omnibsic.com.gh
PRUDENTIAL BANK LIMITED	Head Office, 8 John Hammond Street, Ring Road Central, PMB - General Post Office, Accra – Ghana	233-302-781200-7	http://www.prudentialbank.com.gh
REPUBLIC BANK (GHANA) PLC	Head Office, Ebankese No. 35, Sixth Avenue, North Ridge, Accra – Ghana, P.O Box CT 4603, Cantonments, Accra – Ghana	233-302-242090-2	http://www.republicghana.com
SOCIÉTÉ GENERAL (GHANA) LIMITED	Head Office, P. O. Box 13119, Ring Road Central Accra, Accra - Ghana	233-302-202001	http://www.societegenerale.com.gh
STANBIC BANK GHANA LIMITED	Head Office, Stanbic Heights, 25 Liberation Link, Airport City, P.O. Box CT 2344, Cantonments, Accra-Ghana	233-302-687670-8	http://www.stanbicbank.com.gh
STANDARD CHARTERED BANK (GHANA) LIMITED	Head Office, No. 87 Independence Avenue, P.O. Box 768, Accra	233-302-664591-8	http://www.sc.com/gh
UNITED BANK FOR AFRICA (GHANA) LIMITED	PMB 29, Ministries, Heritage Towers, Ambassadorial Enclave, Off Liberia Road, Ridge, Accra-Ghana	233-302- 674085	http://www.ubagroup.com
UNIVERSAL MERCHANT BANK LIMITED	Airport City, SSNIT Emporium, P.O. Box 401, North Ridge, Accra-Ghana	233-302- 666331/6	http://www.myumbbank.com
ZENITH BANK (GHANA) LIMITED	Head Office, Zenith Heights, No. 31 Independence Avenue, PMB CT 393, Cantonments, Accra	233-302-660075	http://www.zenithbank.com.gh

SOURCE: BANK OF GHANA (2022)

5.2: AGRICULTURAL MANPOWER DEVELOPMENT AND RESEARCH SUPPORT

TABLE 5.4 AGRICULTURE-RELATED RESEARCH INSTITUTES

INSTITUTE	LOCATION	WEBSITE
MINISTRY OF FOOD AND AGRICULTURE		
STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE	ACCRA	https://srid.mofa.gov.gh
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)		
ANIMAL RESEARCH INSTITUTE	ACCRA	https://ari.csir.org.gh/
CROP RESEARCH INSTITUTE	FUMESUA	http://www.cri.csir.org.gh/
FOOD RESEARCH INSTITUTE	ACCRA	http://www.fri.csir.org.gh/
OIL PALM RESEARCH INSTITUTE	KADE	https://opri.csir.org.gh/
WATER RESEARCH INSTITUTE	ACCRA	http://www.wri.csir.org.gh
FORESTRY RESEARCH INSTITUTE OF GHANA	FUMESUA	https://forig.csir.org.gh/
SOIL RESEARCH INSTITUTE	KWADASO	http://www.sri.csir.org.gh/
SAVANNAH AGRICULTURAL RESEARCH INSTITUTE (SARI)	TAMALE	http://sari.csir.org.gh/
INSTITUTE OF INDUSTRIAL RESEARCH	ACCRA	http://www.iir.csir.org.gh
INSTITUTE FOR SCIENTIFIC AND TECHNOLOGICAL INFORMATION	ACCRA	www.insti.csir.org.gh
SCIENCE AND TECHNOLOGY POLICY RESEARCH INSTITUTE	ACCRA	http://stepri.csir.org.gh
PLANT GENETIC RESOURCES RESEARCH INSTITUTE (PGRRI)	BUNSO	www.pgrri.csir.org.gh
BUILDING AND ROAD RESEARCH INSTITUTE	FUMESUA	https://www.brri.org
UNIVERSITIES		
UNIVERSITY FACULTIES OF AGRICULTURE	ACCRA, KUMASI, CAPE COAST, TAMALE	www.ug.edu.gh

INSTITUTE	LOCATION	WEBSITE
DEPARTMENT OF ZOOLOGY, UNI. OF GHANA (UG)	LEGON, ACCRA.	www.ug.edu.gh
DEPARTMENT OF BIOCHEMISTRY, NUTRITION AND FOOD SCIENCE (UG)	LEGON, ACCRA.	https://www.ug.edu.gh/nutrition
GHANA ATOMIC ENERGY COMMISSION		
BIOTECHNOLOGY AND NUCLEAR AGRICULTURAL RESEARCH INSTITUTE (BNARI)	KWABENYA, ACCRA	https://bnari.gaecgh.org
GHANA COCOBOD		
COCOA RESEARCH INSTITUTE OF GHANA (CRIG)	NEW TAFO	crig.org.gh

5. 3: STAFFING LEVELS OF MINISTRY OF FOOD AND AGRICULTURE (MOFA)

Table 5.5 shows the staffing levels of the Ministry of Food and Agriculture, by category, for the past ten-years- 2012 to 2021. As indicated, the staff levels declined sharply from 2014 onwards and this was on account of the implementation of the legislative instrument 1961 which requires that Regional and District Development Units of MoFA be ceded off to the Local Government Service. The impact of this is a significant downsize of the Ministry, as over 76 percent of MoFA staff have now been moved to the Local Government Service.

TABLE 5.5 STAFFING LEVELS OF MoFA BY CATEGORY

CATEGORY OF STAFF	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
PROFESSIONAL	1,362	1,335	319	368	357	357	302	875	839	822
SUB-PROFESSIONAL	530	456	94	160	109	109	97	328	330	230
TECHNICAL	3,385	2,773	497	565	633	633	371	780	813	548
SUPPORT STAFF	2,376	1,945	657	659	576	576	621	728	614	630
TOTAL	7,653	6,509	1,570	1,752	1,675	1,675	1,391	2,711	2,596	2,230

SOURCE: HUMAN RESOURCE DEVELOPMENT AND MANAGEMENT DIRECTORATE (HRDMD), MOFA 2022

5.4: AGRICULTURAL MACHINERY WITH FUNDING SOURCES

Table 5.6 presents the quantities and types/models of MOFA agricultural machinery and equipment imported since 1990.

TABLE 5.6 AGRICULTURAL MACHINERY AND EQUIPMENT

YEAR	MAKE/MODEL	QUANTITY	FUNDING SOURCE
1990	KOMATSU BULLDOZER	3	JAPANESE GRANT
	CHAIN SAW	27	
	RICE MILLS	12	
	GRAIN DRYERS	12	
	HAND SPRAYERS	96	
	POWER DRIVEN SPRAYERS	20	
	YANMAR POWER TILLERS	39	
	YANMAR IRRIGATION PUMPS	30	
	VALMET TRACTORS	7	
	CORN MILLS	2	
1991/92	YANMAR MAIZE SHELLER	1	
	STAKE TESTING EQUIPMENT FOR RICE	1	
	BULLDOZER	1	
	STAKE CORN MILL	1	
	KUBOTA REAPERS -RICE	11	
	SEED CLEANER	12	
	ROTARY CULTIVATORS	3	
	SEED DRILL	2	

	SEED BROADCASTERS	5	
1993	YANMAR MAIZE SHELLER	9	
1994	COMBINE HARVESTER- RICE	6	
	MOBILE HUSKER SHELLER	22	
	FERGUSON TRACTOR	2	
1995	COMBINE HARVESTER -RICE	6	
	MOBILE HUSKER SHELLER	22	
2008	SHAKTI POWER TILLERS	200	GOG
	FARMTRAC-60 TRACTOR	200	
	MAHINDRA-705DI TRACTOR	100	
	MAHINDRA-605DI TRACTOR	132	
	JOHN DEERE TRACTOR	500	
	NEW HOLLAND-TC5070 / 207HP COMBINE HARVESTER	4	GOG, GIDA
	KUBOTA TRACTOR	78	JAPANESE GRANT
2009	KUKJE DKC685 RICE HARVESTER / 70HP	6	GOG
	FOTON DC200 RICE HARVESTER	5	
	FOTON GE20H RICE/ MAIZE HARVESTER	10	
	KT09 HARVESTER/ 210HP	2	

	TRACTOR WITH ROTOVATOR ATTACHMENT / 210HP	2	
2010	KUKJE DKC685 RICE HARVESTER / 70HP	6	GOG JAPANESE GRANT
	KT09 RICE HARVESTER/ 210HP	2	
	RUN YUAN JING COMBINE HARVESTER	10	
2011	NEW HOLLAND TD80 TRACTORS	125	JAPANESE GRANT GOG
	COMBINE HARVESTER	2	
	RICE THRESHERS	35	
	RICE REAPER	35	
	RICE MILL	10	
	IRRIGATION PUMP	40	
2012	CABRIO TRACTORS (50HP)	50	
2013	RICE THRESHERS	35	JAPANESE GRANT
	POWER TILLERS	43	JAPANESE GRANT GOG
	RICE REAPER	20	
	RICE MILLS	5	
	CABRIO TRACTORS (50HP)	100	
2015	SAME TRACTOR	77	JAPANESE GRANT
	POWER TILLERS	49	JAPANESE GRANT BRAZIL MORE FOOD INTERNATIONAL PROGRAM (1ST TRANCHE)
	RICE MILL	6	
	RICE THRESHERS	20	
	RICE REAPER	11	

2016	NEW HOLLAND TRACTORS	111	BRAZIL MORE FOOD INTERNATIONAL PROGRAM (1ST TRANCHE)
	VALTRA TRACTORS	277	
	MASSEY FERGUSON TRACTORS	150	
	CEREAL HARVESTER (RICE/SOYA/MILLET)	21	
	SEED DRILL	36	
	MULTICROP THRESHER	112	
	MAIZE SHELLERS	224	
	BOOM SPRAYERS	20	
	PNEUMATIC PLANTERS	15	
	MECHANICAL PLANTERS	60	
	CASSAVA HARVESTERS	50	
	CASSAVA PLANTERS	25	
2018/2019	NEW HOLLAND TRACTORS	90	BRAZIL MORE FOOD INTERNATIONAL PROGRAM (2ND TRANCHE)
	VALTRA TRACTORS	60	BRAZIL MORE FOOD INTERNATIONAL PROGRAM (2ND TRANCHE) GOG (CZECH FACILITY)
	MASSEY FERGUSON TRACTORS	80	
	POWER TILLERS	1000	
	NO TILL PLANTERS	20	
	MECHANICAL PLANTERS	50	
	MOUNTED BOOM SPRAYERS	50	

	ORCHARD SPRAYERS	20	
	MOTORIZED SPRAYERS	4000	
	CEREAL HARVESTERS	30	
	MAIZE SHELLERS	400	
	MULTICROP THRESHER	100	
	SEED CLEANER AND SORTER	20	
	DRYING SILOS	20	
	GREENHOUSES	100	
	ENGINE POWERED SPRINKLER IRRIGATION KIT	300	
2019/2020	CABRIO TRACTORS (50HP)	170	GOG (CZECH FACILITY)
	MINI TRACTORS	300	
	AGT 850 TRACTORS	50	
	RICE CUTTERS	120	
	THRESHERS	120	
	MIST BLOWER	50	
	BOOM SPRAYERS	100	
	THRESHERS	700	
	BACKPACK WEEDING MACHINE	1000	GOG (CHINA FACILITY)
2021/2022	POWER TILLERS (CAGE WHEEL, TRAILER, ROTOVATOR)	200	GOG (BRAZIL)
	MOUNTED BOOM SPRAYERS	50	
	MOUNTED OFFSET DISC HARROW	150	
	MOUNTED DISC PLOUGH	218	

	HEAVY DUTY HARROW	9	
	PNEUMATIC PLANTERS	20	
	MOUNTED DISC RIDGER	40	
	MECHANICAL PLANTER	26	
	MAIZE SHELLER	259	
	CEREAL SHELLER	90	
	CASSAVA PROCESSOR	25	
	PLANTAIN PROCESSOR	15	
	CA 25 SEED CLEANER AND SORTER	36	
	CA 40 SEED CLEANER AND SORTER	24	
	SEED DRILL	24	
	RICE MILL ZX-6	44	
	RICE MILL ZX-3	50	
	HAMMER MILLS	21	
	ROTARY HOE	48	
	LS TRACTOR 80HP	35	
	LS TRACTOR 90HP	3	
	LS TRACTOR 110HP	11	

	FORAGE TRAILERS	210	
	SOLAR POWERED SILOS	16	
	VALTRA TRACTOR	70	
	VALTRA COMBINE HARVESTER FOR MAIZE	20	
	VALTRA COMBINE HARVESTER FOR RICE	20	
	NEW HOLLAND TRACTOR	50	
	NEW HOLLAND COMBINE HARVESTER	10	
	MASSEY FERGUSON TRACTOR	30	

SOURCE: AGRICULTURAL ENGINEERING SERVICES DIRECTORATE (AESD), MOFA 2022

TABLE 5.7 TOTAL AREA UNDER IRRIGATION (HECTARES)-2012-2021

FORMAL IRRIGATION (SCHEME/PROJECT)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EXISTING IRRIGATION SCHEMES	10,668	28,304	29,504	11,000	17,292	12,003	12,978	13,008.85	16,909	16,909
ADDITIONAL AREA AFTER REHABILITATION	481	0	0	0	0	0	0	0	0	0
SMALL SCALE IRRIGATION DEVELOPMENT PROJECT	0	0	0	0	0	0	0	0	0	0
SMALL FARMS IRRIGATION PROJECT	110	0	0	0	0	0	0	0	0	0
MCA*	450	0	0	0	1,500	0	0	0	0	0
SUB-TOTAL	11,709	28,304	29,504	11,000	18,792	12,003	12,978	13,008.85	16,909	16,909
INFORMAL IRRIGATION (SMALLHOLDER)	-	-	-	189,000	189,000	189,000	189,000	189,000	189,000	189,000
LARGE SCALE COMMERCIAL	17,636	17,636	17,636	21,000	21,000	21,000	21,000	21,000	21,000	21,000
GRAND TOTAL	29,345	45,940	47,140	221,000	228,792	222,003	222,978	223,008.85	226,909	226,909

SOURCE: GHANA IRRIGATION DEVELOPMENT AUTHORITY, MOFA 2022

*MILLENNIUM CHALLENGE ACCOUNT

TABLE 5.8 AGRICULTURAL MACHINERY/EQUIPMENT DEALERS/IMPORTERS

COMPANY	ADDRESS	MACHINERY/ EQUIPMENT
KAY GEE ENTERPRISES	P. O. BOX GP 2658, ACCRA	IRRIGATION PUMPS,
SENAKY ENTERPRISE	P. O. BOX 582 ASHIAMAN	MF TRACTORS, IMPLEMENTS
CHEMICO LIMITED	P. O. BOX CO 950 TEMA GHANA	SPRAYING MACHINES
RST CO LTD	P. O. BOX MP 310 MAMPROBI ACCRA	RICE MILLS, THRESHERS, REAPERS, COMBINED HARVESTERS, POWER TILLERS, PUMPS
K BADU AGRO CHEMICALS CO LTD	P. O. BOX KJ 193 KUMASI	SPRAYING MACHINES
DESTINY AZUMAH FARMS & TRADING ENT	P. O BOX K 424 ACCRA	CORN MILLS
ALEX NKRUMAH ENTERPRISE	P. O. BOX 5268 KUMASI GHANA	MF, FORD, MAHINDRA TRACTOR SPARE PARTS
BIGA INTERNATIONAL TECHNOLOGIES	P. O. BOX MP 1188 MAMPROBI ACCRA	CABRIO TRACTORS
FOUNDRIES & AGRIC MACHINERY	P. O. BOX AN 7852, ACCRA	FARMTRAC. TRACTORS, COMBINED HARVESTERS, SHAKTI POWER TILLER, PUMPS, IMPLEMENTS
AGRIMAT LIMITED	P. O. BOX 15097 ACCRA	TRACTORS, SPARE PARTS, IMPLEMENTS, PUMPS, CHEMICALS
CFAO	P. O. BOX 1402, KSI, P. O. BOX 5761, ACCRA	NEW HOLLAND TRACTORS, TRUCKS, COMBINED HARVESTERS, IMPLEMENTS,
DIZENGOFF GH LTD	P. O. BOX 3403 ACCRA	PLANTERS, BOOM SPRAYERS
BOW'S AGRIC'AL MACHINERY ENT.		CORN MILLS
MECHANICAL LLOYD CO LTD	BOX 2086, ACCRA. NEAR STC ACCRA. OR OFF ADENTA - ABURI ROAD.	MASSEY FERGUSON TRACTORS, IMPLEMENTS, COMBINES HARVESTERS
GHANA HEAVY EQUIPMENT LTD	P. O. BOX 1524, ACCRA	ZETOR TRACTORS, IMPLEMENTS, SELLER,
REISS & CO. (GH) LTD	P. O. BOX CT 5064 CANTONMENTS, ACCRA	OUTBOARD MOTORS, IRRIGATION PUMPS
DENG LTD	ACCRA	PUMPS,
JOHN DEERE AGRICULTURAL EQUIPMENT CO. LTD	NSAWAM	JOHN DEERE TRACTORS, IMPLEMENTS,
JUBILEE TRACTOR & ASSEMBLY PLANT	BOX PS 6900, ADUM KUMASI	MAHINDRA TRACTORS, IMPLEMENTS, FUTON COMBINED HARVESTERS,

TABLE 5.9 LIST OF AGRICULTURAL MECHANIZATION SERVICES CENTERS (AMSECS)

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
1	ORGANIC AND BIODIVERSITY FARMING (ISSAH QUEDRAOGO)	AHANTA WEST, WASSA MPOHOR WEST	P.O. BOX TD 177, TAKORADI TEL. 0244939848	WESTERN
2	THE MANAGING DIRECTOR, AKUAFOHEMAA MECHANISATION SERVICES	KASOA	P.O. BOX AN 6159, ACCRA – NORTH. TEL: 0244-626548	CENTRAL
3	EMTRADE COMPANY LTD, (EMMANUEL C. AKUNA)	WINNEBA (EWUTU-EFUTU), C/R	P.O. BOX 233, WINNEBA. TEL.0208123185/0244158588	CENTRAL
4	MIKLEB ENT. (ALHAJI AMUDA ADAMS)	SWEDRU, C/R	P.O. BOX 522, SAKOMONO ESTATES. TEL. 0277604599	CENTRAL
5	THE PRESIDENT, VEGETABLE PRODUCERS AND EXPORTS ASSOCIATION OF GHANA	BUDUATTA JUNCTION,	P.O. BOX SD 239, STADIUM-ACCRA. TEL: 0244091465, 0244446882	CENTRAL
6	ADEAYE ENTERPRISES (W. AGYEMANG BADU)	DANGME EAST & DANGBE WEST, GAR	P.O. BOX DC 623, DANSOMAN, ACCRA TEL. 0243162209	GREATER ACCRA
7	BREMOAH VENTURES	AMASAMAN	P. O. BOX 285, AMASAMAN. TEL 020-8179720	GREATER ACCRA
8	S&K AGROSERVICES PROVIDERS LTD,	TEMA	P. O. BOX SR 140 TEMA, TEL: 0244841896, 0276254935	GREATER ACCRA
9	AGRIC MECHANISATION & INPUTS LTD	AMASAMAN, GA WEST	P.O. BOX 106, NSAWAM. TEL: 0244-232287	GREATER ACCRA
10	THE MANAGING DIRECTOR, AGRIC. MACHINERY OPERATORS' ASSOCIATION	HO	P.O. BOX 245, HO, VR. TEL: 020-9026012	VOLTA
11	TROPICAL AGRICULTURAL MARKETING AND CONSULTANCY SERVICES (SUNFLOWER GHANA LTD.) TRAGRIMACS (ISSAH SULEMANA)	SOGAKOPE/AKATSI	P.O. BOX AD 464, ADABRAKA, ACCRA. TEL. 0208135861	VOLTA
12	ADDICENT FOODS LTD. (M. NTTORINKANSAH)	NORTH TONGU DISTRICT, V/R	P.O. BOX BT 300, COM. 2 TEMA TEL. 0244378522	VOLTA

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
13	GHANA-CUBA AGRIC SERVICES LTD (LARRY FARMS LTD)	HOHOE	P. O. BOX 17463, ACCRA CENTRAL. (P. O. BOX CT7021, ACCRA) TEL : 0244379378	VOLTA
14	ADIDOME MECHANISATION CENTRE (MR. KUDZO AGBO)	ADIDOME	P. O. BOX 16, ADIDOME. TEL: 0243216907	VOLTA
15	REDDEKOPP MINISTRIES	HO-ADAKLU	BOX HP 1011, HO. TEL: 0248329718	VOLTA
16	THE MANAGER, COMMUNITY RELIEF (DICKSON DEGBOR)	SOGAKOPE	P. BOX SK 2, SOGAKOPE TEL: 0243133261, 020 4702597	VOLTA
17	MR. JOE GIDISU,	NORTH TONGU	P. O. BOX 18, ADIDOME, V/R TEL: 0243216907, 0248511817	VOLTA
18	S&K AGROSERVICES PROVIDERS LTD,	SOGAKOPE, SOUTH TONGU	P. O. BOX SR 140 TEMA, TEL: 0244841896, 0276254935	VOLTA
19	MAFI-AKYEMFO MECH. CENTRE.	MAFI-AKYEMFO, NORTH TONGU	P. O. BOX 18, ADIDOME. TEL: 0243-216907, 0248-511817	VOLTA
20	THE MANAGING DIRECTOR, ADEMEC LTD.	DONKORKROM	P.O. BOX AN 10576. ACCRA-NORTH. TEL: 0202-8155224, 0244-635221	EASTERN
21	THE MANAGING DIRECTOR, AGRIC MECHANISATION & INPUTS LTD,	NSAWAM/ AMASAMAN	P.O. BOX 106, NSAWAM. TEL: 0244-232287	EASTERN
22	THE MANAGING DIRECTOR, NOMAFO FARMS & SERVICES,	ASUTSUARE	P. O. BOX 522, TEMA. TEL: 0244-622105	EASTERN
23	ELFA ENTERPRISE (VICTOR AGLIEKO)	FANTEAKWA (BEGORO), E/R	P.O. BOX KB 170, KORLE-BU, ACCRA, TEL.233242167603	EASTERN
24	AA FARMS (ALEX ADETI)	MAAME KROBO AFRAM PLAINS	BOX AC156, ACCRA 0244959132	EASTERN
25	UNKAR LIMITED (ALEX ANANE-DARKO)	MANYA-KROBO, E/R	P.O. BOX GP4927, ACCRA, TEL.0246584081	EASTERN

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
26	COMMUNITY PLANNING AND DEVELOPMENT (JUSTICE M. DARKO)	KWAHU NORTH DISTRICT, E/R DONKORKROM	C/O P.O. BOX 1, DONKORKROM, KWAHU-NORTH DISTRICT TEL. 0208774038	EASTERN
27	KWASAMAY LTD. (NANA ACKAH-YENSU)	AFRAM PLAINS DONKORKROM	P.O BOX CT 419 CANTONMENTS, ACCRA TEL. 0244291878	EASTERN
28	MR. THEOPHILUS ASANTE-DARKO	MANYA-KROBO, E/R	P. O. BOX 521, ACCRA 0246355366	EASTERN
29	AFRAM PLAINS TRACTOR OWNERS AND FARMERS ASSOCIATION	AFRAM PLAINS	% P.O. BOX 20, AFRAM PLAINS	EASTERN
30	THE MANAGING DIRECTOR, ROYAL RIVER AGRO ESTATES LTD.	ASUOGYAMAN	P. O. BOX 15649, ACCRA NORTH	EASTERN
31	WOODLAND MECHANICAL COMPANY (GIBSON ANKROMAH)	SEKYERE EAST, KUMAWU	P. O. BOX AM 176, AMASAMAN, ACCRA. TEL. 0207860227/ 0208494736	ASHANTI
32	P.N. INDUSTRIES LTD (K.N. POKU)	EJURA, A/R	P.O. BOX 567 KNUST, KUMASI TEL: 0277454547	ASHANTI
33	CEO, BARIBON LTD	OFFINSO, DISTRICT	BOX AN 11267, ACCRA. TEL 024-2563557	ASHANTI
34	MANAGER, CLEAR FARMS LTD	AGOGO-ASANTE AKIM	P. O. BOX 550, ACCRA. TEL ; 024-9959643, 027-2922359	ASHANTI
35	THE CHAIRMAN, NSO NYAME YE WOMEN'S GROUP,	EJURA, A/R	C/O EJURA DISTRICT ASSEMBLY, BOX 9, EJURA. TEL: 020-8180485	ASHANTI
36	THE MANAGING DIRECTOR., FABY (CELVIC) VENTURES LTD,	ATEBUBU	BOX DS 488, ACCRA. TEL: 020-8133297, 0244-3508156	BONO EAST
37	THE MD, CONSORTIUM	WENCHI	C/O METHODIST UNIVERSITY, WENCHI TEL: 021-314542, 0204426114	BONO
38	OUT OF BOUNDS INCORPORATED (DANIEL OPOKU)	TANO OBUASI, BAR	BOX KA 310522 ACCRA. TEL: 024-4318342	AHAFO

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
39	GUMBIANI FARMS LTD (MOHAMED MORO)	AMANTIN, (BRONG-AHAFO), B/A	P.O. BOX 5, AMANTIN, TEL. 0244-076941	BONO EAST
40	KODOM FARMS (YAW KODOM)	NKORANSA (BRONG AHAFO), B/A	P.O. BOX 190, NKORANZA, TEL.0208877301/0244896837	BONO EAST
41	FABY AGRO LIMITED. (FRANCIS AMADU BOATENG)	ATEBUBU-AMANTIN, B/A	FABY AGRO LTD, P.O. BOX DS 488, DANSOMAN ESTATE, ACCRA TEL : 0243508156. P O BOX 23 ATEBUBU- AMANTIN BA	BONO EAST
42	KOBBIMAN FARM LTD	NKORANZA	P.O. BOX 16 NKORANZA TEL. 0244310534	BONO EAST
43	AMOBFAFF ENT.	KINTAMPO	C/O MR. AMOO BAFFOE, P. O. BOX M37 ACCRA TEL 0242675595	BONO EAST
44	TUOBODOM UNITY COOPERATION TOMATO GROWERS & MARKETING SOCIETY	TUOBODOM	P. O. BOX 8, TECHIMAN TEL: 0244590427	BONO EAST
45	BUWA LTD	KINTAMPO – NORTH	TEL: 0244370230	BONO EAST
46	METHODIST UNIVERSITY COLLEGE (PRINCIPAL)	WENCHI	METHODIST UNIVERSITY COLLEGE, WENCHI	BONO
47	GHANA NUTS LTD	TECHIMAN	P.O. BOX 825	BONO EAST
48	SOFO-FATAO ENTERPRISE,	NANTE-KINTAMPO	P.O. BOX 14, NANTE-KINTAMPO, BRONG AHAFO. TEL: 0246661959, 0203858130	BONO EAST
49	THE MANAGING DIRECTOR, FATHI AGRO-FORESTRY CO-OPERATIVE FOOD FARMING AND MARKETING SOCIETY	TAMALE	P. O. BOX 841, TAMALE. TEL: 0244-679689, 071-23154	NORTHERN

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
50	THE MANAGING DIRECTOR, GLOBAL AL-MAS LTD,	BIMBILLA	P. O. BOX 57, BIMBILLA. TEL : 0244-177050, 021-517815, 071-25984	NORTHERN
51	SAKFOS FARMS (SAKARA ASUMAH RENNIE)	WEST GONJA (DAMANGO)	P.O. BOX DM 111, NAVRONGO TEL: 024 3523848	SAVANNAH
52	GREEN PLANET LTD. (A. AYARIGA)	TAMALE, NR	P.O. BOX 100, TAMALE. TEL: 024 8140000	NORTHERN
53	SAKPE AGRICUTURAL ENT. (IBRAHIM ADAM FAWZY MOMOA).	CENTRAL GONJA, N/R	P.O. BOX CT 5577, CANTONMENT ACCRA TEL.	NORTHERN
54	KUKURDAMA ENTERPRISE (ALHAJI YUSUF SALIFU ABDELLA).	BIMBILLA, N/R	P.O. BOX 1104, TAMALE	NORTHERN
55	BOSBBEL KOFI ANSAH	TAMALE, NR	P. O. BOX 279, TAMALE 07123342, 0244864799	NORTHERN
56	LAANGU FARMERS ASS. JANGA WALEWALE WEST MAMPRUSI	JANGA, WALEWALE	C/O MOFA P.O. BOX 4 WALEWALE	NORTH EAST
57	TIJO FARMS (ALHAJI IBRAHIM ADAM), TAMALE	TAMALE	P.O BOX 2943 TAMALE TEL. 0246847774	NORTHERN
58	KURBANI FARMS	TAMALE	P.O. BOX 65 TAMALE TEL. 0244686604	NORTHERN
59	DAGBON TRADITIONAL COUNCIL (ATTN ALHAJI IBRAHIM ADAM), YENDI	YENDI	DAGBON TRADITIONAL COUNCIL, YENDI	NORTHERN
60	SOFO AWUDU AZOKA GROUP	TAMALE	P. O. BOX 586, TAMALE 0244218296	NORTHERN
61	TAS KALIA ENT LTD. (HON. IBRAHIM TANKO}	YAGABA-KUBORI WEST- MAMPRUSI DISTRICT	P.O. BOX 41, NAVRONGO TEL. 0742-22284, 0208543000, 0244995111	NORTH EAST
62	MD, ZIJAH GH. LTD	TOLON/KUMBUGU	BOX 1519, TAMALE TEL; 024-325- 3331, 020-8139652	NORTHERN
63	THE CHAIRMAN, TUNTEYA FARMING GP	ZABZUGU	ZUBZUGU DISTRICT ASSEMBLY	NORTHERN

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
64	LOGISTICS SUPPORT SERVICES (ADAM MANAMA)	BOLE	BOLE DISTRICT	SAVANNAH
65	NASARA BEST FARMERS ASSOCIATION	GUSHEGU	C/O BOX GU27, GUSHEGU 0246733004	NORTHERN
66	AKK RISK MANAGEMENT CONSULTING LTD	YAPEI	P. O. BOX DC579, DANSOMAN, ACCRA.	NORTHERN
67	THE MUNICIPAL CHIEF EXECUTIVE,	EAST GONJA	EAST GONJA ASSEMBLY, P. O. BOX 1 SALAGA, TEL: 0246753565, 0244868533,	SAVANNAH
68	SIMTEX ENTERPRISE	TAMALE CENTRAL	P. O. BOX TML 1354, TAMALE TEL; 0208154959	NORTHERN
69	ALHAJI MUMUNI BOLNABA,	BAWKU CENTRAL	BONABA CONST. LTD, BOX 115, BAWKU TEL: 026749019, 0244022425	UPPER EAST
70	HON. FUSEINI ALHASSAN	GUSHEGU	% GUSHEGU DISTRICT ASSEMBLY, P.O. BOX GU 1	NORTHERN
71	HON. ALHAJI ABDULKARIM IDDRISU	SAVELUGU NANTON	MP, NANTON CONSTITUENCY, 0243665642	NORTHERN
72	THE MANAGER AGRO CONCEPTS LIMITED	EAST MAMPRUSI (GAMBAGA)	P.O. BOX 1 GAMBAGA	NORTH EAST
73	NANDUWA VALLEY FARMS & MECAHNIZATION SERVICES, P.O. BOX 12, NALERIGU, EAST -MAMPRUSI. TEL: 0208527331, 0277890418	EAST MAMPRUSI - NALERIGU.	P.O. BOX 12, NALERIGU, EAST - MAMPRUSI	NORTH EAST
74	GBEWAA FARMERS ASSOCIATION, % ABUBAKARI IMMURURANA,	TAMALE	P.O. BOX 1967, TAMALE. TEL: 0268587103,0243253331,0244704291	NORTHERN
75	SAVANNA AGRIC. & TRADING CO. LTD.,	CHEREPONI	P.O. BOX DS 689, DANSOMAN, ACCRA.	NORTH EAST

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
76	MION DISTRICT ASSEMBLY, MION	MION	C/O OFFICE OF THE MEMBER OF PARLIAMENT, ACCRA. TEL: 0244838977	NORTHERN
77	KPANGMANGA CO-OPERATIVE FOOD FARMING AND MARKETING SOCIETY LTD.	NAYUGU-GUSHEGU	HOUSE NO. G 103, GUSHEGU. TEL: 0243453492	NORTHERN
78	THE PRESIDENT, NATIONAL FARMERS & FISHERMEN WARD WINNERS ASSOC.,	FUMBISI VALLEY	BOX KD 537, KANDA ACCRA. TEL : 021-222455, 0244-364440	UPPER EAST
79	GOODMAN & SONS LTD,	NAVRONGO	P. O BOX 287, TAMALE	UPPER EAST
79	LRRIGATION FARMERS ASSOCIATION (AHMED BOGOBIRI),	TONO, KASENA NANAKANI, UER	TONO COOPERATIVE UNION, C/O ICOUR LIMITED, BOX 70, NAVRONGO	UPPER EAST
80	THE MANAGER, DOLIDONA ENT	BOLGATANGA	P.O. BOX 1 BOLGATANGA TEL: 0208336643	UPPER EAST
81	HON. MAHAMA AYARIGA,	BAWKU	OFFICE OF THE PRESIDENT, ACCRA. TEL: 020 6662337	UPPER EAST
82	YELSUMDE FARMS LTD. ZONGOYIRE,	BAWKU WEST	P.O. BOX ZE 27, BAWKU. TEL: 024 4409331, 024 4216591	UPPER EAST
83	BONABA CONSTRUCTION LTD.	PUSIGA	P. O. BOX 115, BAWKU TEL : 0244-022425	UPPER EAST
84	THE MANAGING DIRECTOR, NYIVORI-TONA CO. LTD,	WA	P.O. BOX SR 326, ACCRA. TEL : 027-4523443	UPPER WEST
85	CASHEW FARMERS ASSOCIATION WIGBERT Y. DOGOLI	NANDOWLI DISTRICT, UW	C/O CWSA BOX 810 TAMALE	UPPER WEST
86	MCE, WA MUNICIPAL ASSEMBLY	WA	WA MUNICIPAL ASSEMBLY, WA	UPPER WEST
87	DCE, WA WEST DISTRICT ASSEMBLY	WA	WA WEST DISTRICT ASSEMBLY	UPPER WEST

NO.	NAME OF INDIVIDUAL/ ORGANISATION	LOCATION	ADDRESS / TEL	REGION
88	DCE, WA EAST DISTRICT ASSEMBLY	WA	WA EAST DISTRICT ASSEMBLY	UPPER WEST
89	DCE, JIRAPA DISTRICT ASSEMBLY	JIRAPA	JIRAPA DISTRICT ASSEMBLY	UPPER WEST
90	DCE, SISALA DISTRICT ASSEMBLY	SISALA	SISALA DISTRICT ASSEMBLY	UPPER WEST
91	DCE, NANDOWLI DISTRICT ASSEMBLY	NANDOWLI	NANDOWLI DISTRICT ASSEMBLY	UPPER WEST
92	DCE, LAMBUSSIE DISTRICT ASSEMBLY	LAMBUSSIE	LAMBUSSIE DISTRICT ASSEMBLY	UPPER WEST

SOURCES: AGRIC ENGINEERING SERVICES DIRECTORATE, 2022

SECTION 6: AGRO-PROCESSING FIRMS

TABLE 6.1 SOME AGRO-PROCESSING FIRMS

Manufacturer	Product	Contact	Tel. Numbers
ADDITIVES			
BisaWorld Limited	Bisa Powdered Red Pepper	P.O.Box 1871 Accra-Ghana	0266033312
Essaar Agro West Africa Ltd., Tema	Essaar Poultry Feed Concentrate (5%, 20%)	P.O. Box 1317, Achimota	0209 229141
Emmacodaf Ventures., Accra, G/R	Emmacodaf Powdered Waakye Leaves	P.O. Box 7504 Accra North	024 395 4616
Maridav Gh. Ltd., Accra, G/R	Maridav Layermax Concentrate 5%	P.M.B. KA 144 Airport Accra	0303938088
Animal Feed			
Essvee Agro Ltd., Kumasi, A/R	Broiler Starter Mash, Meat and Bone Meal	C/O Gaddiel Acquah P. O. Box KS 16544 Adum Kumasi	0509504860
Raanan Fish Feed West Africa, Accra, G/R	Raanan Fish Feed Tilapia Broodstock 38	PMB 146 GPO Accra Central	0544343722/ 0302960274
Yili Agro Processing Co. Ltd., Tema, G/R	Dali Soya Meal, Yili Poultry Feed Layer Mash	P. O. Box S Q 175, Tema	020 821 2238/ 0268765888
Akwaaba Feeds Ltd., Kasoa, C/R	Premium Broiler Starter Feed, Premium Broiler Finisher Feed, Premium Lactating Sow, Premium Pig Grower	P. O. Box AT 154 Achimota Accra	0244945058 / 0244777380

Eco Feeding Gh. Ltd., Tema, G/R	Eco Feeding Layer Mash 1 feed(16-20 weeks, Eco Feeding Broiler Starter feed	P. O. Box CT 2190 Cantonments Accra	0275142991
Koudijs Ghana Ltd., Accra, G/R	Koudijs Pullet Grower Feed Mash, Koudijs Prelayer Feed Mash	P. O. Box 1632 Accra	0555504022
Merid Xpress Company Ltd., Accra, G/R	Merid Poultry Feed	P. O. Box 3615 Kaneshie Accra	0541050321
Sherich Ent., Kasoa, C/R	Sherich Dog Food	P. O. Box GP 22168 Accra	0244777218
Feed Haven Ltd., Accra, G/R	Pig Farmers Association Of Ghana Pig Grower Feed	P. O. Box NT 165 Accra Newtown	0242221931
Gateway Feeds, Hohoe, V/R	Gateway Pig Feed	P.O. Box 99 Hohoe	0244313929
Cosmo Seafoods Co. Ltd., Tema, G/R	Cosmo Fish Meal	P.O.Box MS 157, Mile 7, Achimota	0302 415001
Flour Mills of Ghana Ltd.,Tema,G/R	Sankofa Feed Mash (Layer, Grower, Broiler Starter, Broiler Finisher, Chick)	P.O.Box CE 11345,Tema,G/R	0244 326040
	Sankofa Feed Concentrate (Layer 20%, Layer 50%, Grower 50%, Broiler Starter 50%, Broiler Finisher 50%, Chick 50%)		
CEREALS			

Sambay Ent., Bolgatanga, UE/R	Sambay Agra Rice 10% Broken	% P. O. Box 481 Bolgatanga	0243833189
Farmer Globale Agribusiness Ltd., Adidome, V/R	Jenisse Perfumed Long Grain Rice	P. O. Box 169 Accra	0552233383
Oheneba Rice Ent., Accra, G/R	Oheneba Ghana Rice	P. O. Box AQ 22 Abokobi Accra	0244661676
	Oheneba Jasmine Perfume Ghana Rice		
Locals Group Ltd., Accra, G/R	Locals Thai Hom Mali Jasmine Rice	P.O. Box NB 476 Nii Boi Town, Lapaz Accra	0244581426/0594693976
Kannor Rice Milling Company Limited	Kannor Local Rice	P. O. Box KJ 246 Kejetia Kumasi	0244075140
Christonuel Ent., Tema, G/R	G-Naa Local Perfume Rice	P.O. Box MA 169 Ho	0244803775
GADCO Gh. Ltd., Sogakope, V/R	Aduanehene Long Grain Jasmine Perfume Rice	P. O. Box SK 43 Sogakope	0208390092
	Copa Jasmine Long Grain Perfumed Rice		
Jesse Prah Enterprise, H/No. E23 South Kweikuma Estate, Sekondi. W/R.	Roland Rice - 5% Broken Jasmine	P. O. Box MC 2799 Takoradi	0249887585
Tamanaa Company Limited. Nasia Plot Tamale	Nasia Star Long Grain Parboiled African Rice(Polished, Unpolished)	P. O. Box 1456 Tamale	0208708949
Mydafoods Limited, Accra, G/R	Mydafoods Flavoured Porridge (My First Meal, Jewels Quickie, N' numbo)	P.O. Box 29 Accra	0206404793
	Mydafoods Instant Porridge (My Dietin, Super mix, My Picky Eater, Morin Cart)		

	Mydafoods Porridge (Morin Cart, B-Soya Super-Mix)		
Rose Yali Ent., Adum, A/R	Rozil Local Rice	P. O. Box K5 8219 Adum Kumasi	0243931259
Digo Farms Ltd., Accra, G/R	Digo Prime Parboiled rice	P. O. Box 7726 Accra	0200544747/ 0548762706
	Digo Prime rice		
Addicent Foods Ltd., Tema, G/R	Benjie jasmine fragrance long Grain Rice (5kg, 25kg)	P. O. Box BT 300 Tema	024 437 8384/ 024 437 8522
Olam Agri Ghana Limited, Accra, GA/R	Adepa Fragrant Ghanaian Rice	17 Dadeban Road North Industrial Area Accra	0302222200
Del Z Foods, Kumasi, A/R	Del Z Foods Long Grain Brown Rice	P. O. Box 12797 Adum Kumasi	0208716479
Kam Trading & Farms Ltd., Accra, G/R	Pectra Jasmine Superfine Perfume Rice	P. O. Box DT 1892	0505292169
	Pectra Exbaika Superfine Perfume Rice	Adenta Accra	
Nkulenu Industries Ltd., Accra, G/R	Nkulenu's Kenkey (Ga, Fante)	P. O. Box MD 36 Madina Accra	0302500923
	Nkulenu's Hausa Koko Flour		
Yedent Agro Group of Companies Ltd, Sunyani, B/A	Yedent Tom Vita X - Ready to Eat Cereal + Legume Mix (Tom Brown)	P. O. Box 1306 Sunyani	0352091405 / 0208166021

	Yedent Maisoy Forte Cereal-Legume Mix Porridge		
	Yedent Tom Vita Cereal-Legume Mix (Tom Brown)		
Wilmar Africa Ltd., Tema, G/R	Fortune Emo pa Ghanaian Local Rice	PMB 169 Community 1 Tema	0302981001/002
	Viking Emo Pa Ghanaian Local Rice		
B-Royal General Ent., Accra, G/R	B-Royal Local Rice	P. O. Box AN 15569 Accra	050 976 0899
Kana Eye Care Services, Accra, G/R	Kana Whole Grain Perfume Rice	P. O. Box TN 1535 Teshie Nungua Estate Accra	0208197329 / 0244402452
SNF Faustep Ent., Accra, G/R	Faustep Foods Fonio	P. M. B. 283 Community 1 Tema	0244765361 / 0266212138
	Faustep Cereal Legume Mix (with Oats, with Wheat)		
Third Force Gh. Ltd., Asamankese, E/R	Third Force Cereal Mix	P. O. Box AS 411 Asamankese	0203117369/ 0501320741
Maple Farms, Accra, G/R	Winseed Cereal		
Sarzipp Ent., Tarkwa, W/R	Sarzipp Breakfast Mix Tom Brow		
K&K Favoured Generations Ventures, G/R	K&K Cereals Cereal Mix (Maize, Millet - Legume, Rice, Brown Rice, Wheat)		
Tafore Company Ltd, Opposite NipaBrew School, Sampa	Tafore Rice		
Agro Kings Ltd., Osu, G/R	Nana's Rice (Long & Short Grain Perfumed Rice)		

Aiowa Ent., Techiman, BE/R	Maame Ayowa Local Long Grain Rice		
Avnash Industries Gh. Ltd., Tamale, N/R	Royal Farmers Easy Cook Long Grain Rice (Premium, Select		
	Royal Farmers Jasmine Long Grain Fragrant Rice (Everyday, Exclusive)		
	Royal Farmers 100% Broken Parboiled Rice		
Yusu Ent., Wa, UW/R	Yusu Corn Flour		
Kwemerc Specialties Ltd., Kumasi, A/R	Kwemerc Hausa Kooko		
	Kwemerc Corn Cemolina		
	Kwemerc Millet Flour		
Dakscilla Gh. Ltd., Nkawkaw, E/R	Oyerepa 100% Jasmine Rice		
Rehobee's Filup Ventures, Accra, G/R.	Rehobee's +233 Long Grain Jasmine Rice		
	+233 Yummie Cereal Mix		
Mixxy Care Foods Limited, No. 5 Mobile Lodge Avenue. GE-335-1093. Dome-Accra	Mixxy Care Foods Maize Gritz		
	Mixxy Care Foods Cereal Mix(Rice & Soy, Wheat soy, Wheat)		
Pathos Agro Ltd., Kaneshie, G/R	Adonai Rice 100% Premium Ghanaian Rice		

	Ohemaa Royal Rice 100% Premium Ghanaian Rice		
Opheyak-N Ventures, Kumasi, A/R	Adidipa Local Rice		
Jetfree Group Limited, Plot No. 15, Ashaley Botwe-Sraha. Accra.	Jetsel Perfume Rice		
V N Commodities Ltd., Accra, G/R	Happy Family Locally Grown Fragrant Rice 5% Broken		
A. Bissah Firm, Accra, G/R	Abideb Rice (White, Brown)		
Tradeline Farms Limited	Kekeli Perfumed Rice		
Bedoak Global Ltd., Kumasi, A/R	Sika Cereal Mix		
Jannies Foods, Ashongman Estate, G/R	Jennies Corn Tom Brown		
Royal Vina Classic Foods, Accra, G/R	Royal Vina Classic Brown Rice		
	Royal Vina Classic Perfumed Long Grain Rice		
Ayalene Ent., Bolgatanga, U/E	ABM Zoombune Millet Flour		
Edjerma Enterprise Monrovia, Gps:EN - 092 - 8966, Koforidua.	AF Authenticfoods Original Tombrown		
Essilttil Ent., Accra, G/R	Essilttil Cereal Mix		
	Essilttil Millet Delight		
	Essilttil Tom Brown		
CBA Foods, Accra, G/R	CBA Roasted Peanut		
	CBA Abro ne Nkatie		
	Cba Wheat		

	Cba Wheat Flour		
Gottlich Ventures, Accra, G/R	Gottlich Banku Powder		
	Gottlich Ekoegbeemi Cereal Mix Grits		
	Gottlich Tom Brown Cereal Mix		
Becky Queen Catering Services, Accra, G/R	Becky Queen Grafik & Times		
Tap-In Ghana Limited, P.O.Box MP 2896 Mamprobi-Accra, Vicolis Street GC-150-7251 Ablekuma	Adepa Jasmine Perfume Long Grain Ghana Rice (5% Broken)		
Amsig Resources Ltd., Tolon, N/R	Toshem Rice		
Kenyo Manufacturing Co. Ltd., Accra, G/R	Yaka Fonio		
Isshad Plus Ent., Accra, G/R	Isshad Porridge (Morin Cart, B-Soya , Super-Mix)	P.O. Box 29, Accra, G/R	0206 404793
	Isshad Porridge (Morin Cart, B-Soya , Super-Mix)		
FoodTech Limited	Cornely corn snack	P.O. Box GP 350, Accra, G/R	0302 229336
Maro Industrial Company Ghana Ltd., Accra	Bingo Pops Puffy Chips (Cheese Flavour)	P.O. Box AN 7617, Accra-North	0244 257354
	Bingo Corn Pop (Milk, Chocolate)		

Interfoods Limited, Accra,G/R	Mr. Snacky Corn Snack(chocolate, Malt and Milk, Cheese, Salt, Pizza)	P. O. Box DTD 1460, Sakumono, Accra,G/R	0302 302819
	Snackies Corn Snacks (Sweet Corn, Spicy Grill)		
Berdark Ent., Adweso-Betom, E/R	Berne Foods Cereal Mix (Tom Brown)	P.O. Box KF 706, Koforidua, E/R	0541 029422
Tops 2020 Ventures, Tema, G/R	Best Foods Cornsoya Blend	P.O. Box SC 176, Tema	0242 861250
Unique Quality Product Ent., Yendi Road, Tamale, N/R	Pre-Cooked Organic Fonio	P.O. Box 209, Tamale, N/R	0200 775144
Promasidor (Ghana) Ltd.,	Yumvita Infant Cereal with Milk (Maize and Wheat,Wheat)	P. O. Box KA 30530, Accra	0302 436649
MHC Co. Ltd., Afiencya, Tema, G/R	Took (Corncrunch Onion & Herbs, Corncrunch Barbecue, Cheese Cones)	P. O. Box DD 183, Afiencya	050 896 6945

Brazil Agro-Business Group. Sogakope, V/R.	Champion Long Grain Perfumed Jasmine Rice	P.O Box SK 139 Accra	054-830-6996
CCTC Ghana Ltd., Accra, G/R	Pride Special Ghanaian Long Grain Rice (CCTC)	P.O. Box KIA 30443, Accra	0302 810161
Asboat- O Company Ltd.,Atasemanso.A/R	ASBoat-O Cereal Mix(Wheat & Rice,Rice,Oats & Rice,Mixed Cereals[Maize,Rice,Wh eat & Oats])	P.O Box KS 1705 ,Kumasi	0244 796263
Food Research Institute, Accra, G/R	FRI Cereal Mix (Maize & Rice)	P.O. Box M20, Accra	0302- 519091-5
	FRI Maize (Fermented Maize Meal, Maize Grits)		
	FRI Banku Mix Powder		
Rosemary Anabia Enterprise. Lashibi-Tema. G/R	Anabia Millet Tom Brown	DTD No. B32 Lashibi- Tema	0244-206156
Cynland Enterprise	Cynland Tombrown	P.O.Box KN 229,Kaneshie-Accra,G/R	0302 236642
Emilkhan Ent., Tamale	D' Youngs Cereals(Pure Soya Flour, Brown Rice-Groundnut- Soyabeans Mix)	P.O.Box 309, Tamale	020-834-6068

JIT Supply Chain Ltd., Adabraka, G/R.	Just-In-Time Cereal	P.O.BOX 6279, Accra	0203 520 356
Celebrate Nobles. Accra, G/R	Mawusi's Special Weanimix (Classic,Royal,Prestige)	P.O Box 12463 Accra- North	0264 680984
Cynland Enterprise	Cynland Corn Grits (Ekuegbemli and Oblayoo)	P.O.Box KN 229,Kaneshie-Accra,G/R	0302 236642
E-PABBS-E Services, Tema	E-PABBS-E Weanimix	P. O. Box SK 614, Sakumono	0244 836821
Gerock Enterprise, Somanya Social Welfare,	Adepa Foods Tom Brown	P.O.Box YK 1033, Kanda-Accra	0571 929090
ITC Network and Farms, Heavy Industrial Area, Tema	ABK Rice	P.O.Box MP 1993, Mamprobi,	0208 612352
Haydar Co. Ltd., Tema	Octavio Long Grain Perfumed Jasmine Rice	P.O. Box 1089, Tema	0548 555505
Sampstel Ventures	Stellivita Tom Brown	C/o School of Medical Sciences,UCC., Cape coast	0246 761527
Lemont Foods Ltd. Accra, G/R	Lemont Cheemos Corn Snacks(Original,Spicy Beef,&Cheese Flavours)	P.O. Box CT 176, Cantonments, Accra	0277 420763
E. Aduenbey Ent., Accra, G/R	Emros Cereal Mix	P.O. Box 214, Accra	0242 876185

Comas Foods	Comas Ready to Cook Banku Mix	P. O. Box 1523, Achimota-Accra	0208 173123
	Comas Ready to Cook Hausa Koko		
B's Quick Foods Ent., Kumasi	Zeamix Cerealmix	P. O. Box 14472, Adum-Kumasi	0202 341882
Vito A1 Bakery, Asokore-Manpong A/R	Oliver Cereal Mix	P.O Box UP 715 KNUST -A/R	0208 448853
Mawuwoe Co-operative Rice Processors and Marketing Society Limited, Hohoe	Forhon Tombrown	P. O. Box 124, Hohoe V/R	0541 015727
Kings Touch Services	Kings Touch Millet Mix Cereal	P.O.Box ST 696, Accra-North	0244 717791
Nestle Ghana Ltd., Accra, G/R	Nestle Milo Nutrifill Ready-to-eat Cereal	P.O.Box 8350, Tema	0544 335484
	Nestle Cerelac Infant Cereal with Milk (Wheat, Fruit, Rice, Honey)		
	Nestle Cerelac Infant Cereal With Milk (Maize)		
Takoradi Flour Mill Ltd., Takoradi-W/R	Soft Special Pastry Wheat Flour	P.O. Box 663, Takoradi	0312 024053
	Selected Hard Spring Wheat Flour (Sunrise)		

B-Blend Foods, Hohoe	'B' Blend Tom Brown	P.O. Box 256, Hohoe, V/R	0205 598247
Blessed Child Foods, Accra, G/R	Blessed Child Rice Mix 3 in 1 Cereal	P.O. Box NT 722, Accra	0242 376586
	Blessed Child Rice Mix 5 in 1 Cereal		
J' Sack Foods Ventures, Accra, G/R	J' Sack Ceresoy	P. O. Box 612	0508 925015
CONFECTIONERY			
Gablin Foods Limited, Baatsona, Accra	Gablin Instant Milk Chocolate Drink	P.O.Box 15521, Accra-North	0244 364040
Alpha Industries Ltd., Tema, G/A	Top Choco Instant Mix Chocolate Drink (Coconut Flavoured, Strawberry Flavoured, Banana Flavoured, Malt Flavoured, Instant Mix)		
Cocoa Processing Co. Ltd., Tema, G/R	Golden Tree Heritage Premium Nut Milk Chocolate		
	Golden Tree Dark Chocolate (TQ Bar, Aspire, Portem Pride)		
Fairafric Gh. Ltd., Accra, G/R	Fairafric 57% Dark Chocolate with baobab and moringa		
	Fairafric 72% Dark Milk Chocolate		

	Fairafric 92% Dark Chocolate		
Chocoluv Co. Ltd., Accra, G/R	Chocoluv 50% Cocoa Flavoured Milk Chocolate (Ginger, Coffee)		
	Chocoluv 72% Cocoa Premium Dark Chocolate (Coffee, Nibs, Ginger)		
	Chocoluv 50% Cocoa Orange Flavoured Milk Chocolate		
Hari Foods Ltd., Accra, G/R	Harifoods Cocoa Powder		
La Belle Farms, Accra, G/R	La Belle Natural Cocoa Powder		
Tropical Zone Industry Ltd., Accra, G/R	Honico Chocolate (All in One)		
Afrotropic Cocoa Processing Co. Ltd., Accra, G/R	Afrotropic Natural Cocoa Cake		
MI-Cocoa Ltd., Accra, G/R	Ohene Cocoa Crunch(Cocoa,Ginger, Peanut, Coconut)		
	Ohene Cocoa Premium Cacao Nibs		
BD Associates Gh. Ltd., Accra, G/R	Chocomac Prime Cocoa Liquor	P.O.Box LG 738, Legon	0244 719989
Decokraft, Accra-North	Decokraft Handmade Dark Chocolate	P. O. Box AN 10705, Accra-North	0243 827 724

Niche Cocoa Industry Ltd.,	Natural Cocoa Butter	Tema Free Zone Enclave. P.M.B Tema	0303 951450
	Natural Cocoa Cake		
	Niche Chocolate (Dark 56%, Extra Dark 72%)		
Oxy Industries Ltd., Tema	Sunny Gold Natural Cocoa Powder	P. O. Box CO 3180, Community 1, Tema	0244 374071
Plot enterprise Ghana Ltd., Takoradi, W/R	Gold Brand Cocoa (Liquor, Cake)	P.O.Box TD 270, Mpintsin Ashiem Road, Takoradi, W/R	0209 988296
	Gold brand Cocoa Butter		
Home Brand Chocolate Ltd., Tema, G/R	Sronko Handmade Milk Chocolate Bar	P.O. Box GP 2843, Accra, G/R	0207 023793
	Handmade Milk Chocolate Bar (Home Classic, Sronko)		
ADM Cocoa (Ghana) Limited, Kumasi	ADM Cocoa Mass	P. O. Box KS 1966, Kumasi	0244 343479
Bliss Bay International Limited	Bliss Bay Toasted Crispy Coconut Chips	P.O Box 10068	0244 542305
	Nestle Choco Milo Malted Cocoa Cubes		
DAIRY			

Jiggi Ent., Obuasi, A/R	Jiggi Flavoured Yoghurt (Strawberry, Pineapple)	C/o P.O.Box Box 10, Obuasi	0245 816175
Deliyo Ventures., Odumase- Krobo, E/R	Deliyo Pro Biotic Flavoured Yoghurt (Strawberry , Vanilla)		
Rosswood Co. Ltd., Accra, G/R	One Yogo Probiotic Yoghurt (Vanilla, Strawberry, Sugar Free)		
Happy Cow Creamery and Cheese Ltd., Juapong, Volta	Happy Cow Creamery & Cheese (Cottage Cheese)		
	Happy Cow Creamery & Cheese Labneh		
	Happy Cow Creamery & Cheese(Mozarella Cheese)		
Emadom Ltd., Accra, G/R	Emadom Natural Plain Yoghurt		
Emigoh Gh. Ltd., Accra, G/R	Yomi Probiotic Yoghurt		
	Yomi Organic Plain Yoghurt		
	Yomi Organic Plain Yoghurt		

Yorplat Ventures., Cape Coast, C/R	Yorplat Yoghurt Strawberry Flavour		
Bab's GO Natural., Sunyani, B/R	Bab's GO Natural Yoghurt		
Goxtra Beverages., Kumasi, A/R	Goxtra Probiotic Flavoured Yoghurt(Pineapple, Vanilla, Banana, Strawberry, Multifruita)		
Gribs Ent., Wa, U/W	Gribs Strawberry Yoghurt		
Stephen Akobre Ent., Navrongo, UE/R	Paradise Fresh Brukina		
Prisdom Jay Ent., Accra, G/R	Prisdom Yoghurt (Strawberry Flavour, Vanilla Flavour)		
F-Sabo Services., Kasoa, C/R	F-Sabo Natural Vanilla Flavoured Yoghurt		
Yebolla Ventures, Bolgatanga, UE/R	Yolano Yoghurt	P.O. Box 809, Cape Coast	0264 901436

Tomsty Ent., Breman Road, A/R	Tom Yoghurt	P.O. Box KS 6237, Adum-Kumasi	0242 541026
Marama Ventures, Ho	Rama Yoghurt	P.O.Box 4082, Accra Central	0243 1756641
Silbest Ghana Ltd. Makola, Accra.	Silbest Yoghurt	P.O.Box DM 120 Makola, Accra.	0268 861587
Zeno Enterprise,East Legon,Accra-G/R	Zeno's Probiotic Yoghurt (Natural, Sweetened, Honey Top, Labneh Strained Yoghurt), Greek Style Extra Thick)	Zeno Enterprise, Accra	0244 372980
Frosty Bite Ghana Ltd., Accra	Frosty Bite Ice Cream (Strawberry, Vanilla, Chocolate)	P.O. Box AT 1107, Achimota Accra	0244 894703
	Frosty Bite Fantasy Vanilla Ice Cream		
	Frosty Bite Fantasy Vanilla Ice Cream		
Denew Enterprise. Ashaiman, G/R	Denew Yoghurt	P.O.Box AS 658 Ashaiman	0208 159623
Bethbell Ent. Kumasi, A/R.	Goldengate Fresh Yoghurt (Vanilla & Strawberry Flavours)	P.O.Box KS 8611	0244 942795
7E Co. Ltd., Accra, G/R	Yogofresh Mild Yoghurt	P.O. Box 14719, Accra	0277 485341
Chemipong Ent., Abesim, B/A	Chemi-Fresh Strawberry Flavoured Yoghurt	C/O Sunyani Senior High Sch., Box 156, Sunyani, B/A	0545 156195

Salamatu Special Burkina	Salamatu Special Burkina	H/No A 124/10	0236 138447
Simpaul Ltd., Joapong, G/R	Happy Cow Cheese	P. O. Box KD 320, Accra	0509 422334
Caphzan Enterprise, Kasoa	Zeeghurt Flavoured Yoghurt (Strawberry, Pineapple, Vanilla)	P. O. Box AF 199, Ada-Foah	0208 494241
Kamian Company Ltd.,Osu-Accra,G/R	Viva Yoghurt	P.O.Box OS 2025, Osu-Accra,G/R	0543 665671
Zahrat Ent., Accra	Zahrat Milk with Millet Drink	P. O. Box GP 740, Police Depot, Tesano	0541 106163
Zeno Enterprise,East Legon,Accra-G/R	Zeno's Probiotic Yoghurt (Tropical-Blend, Tropical-Bits, Very Berry -Blend)	P. O. Box OS 496, Osu - Accra	0244 372980
DRINKS			
Yabco Focus Co. Ltd., Bolgatanga, UE/R	Starr Fresh Natural Fruit Juice	P.O. Box 29, Bolgatanga, UE/R	0244 143671
Nice Diamond Ent., Accra, G/R	Nice Pineapple Fruit Juice		
Seedko-E Enterprise, Akim Awisa, E/R	Eunixco Noni Fruit Juice 100% Pure Noni		
Ekumfi Fruits and Juices Ltd., Cape Coast, C/R	Eku Pure Juice(Pineapple, Pine-Ginja, Pine-Tropic)		
Paradise Food Forest Ltd., Nsawam. E/R	Paradise Pineapple Juice		

Asew Pa Farms Ent., Nsawam, E/R	Asew Pa Pine-Orange & Ginger Fruit Juice		
Greenline Juice and Smoothies Ltd., Accra, G/R	Greenline Fresh Juice(Pineapple & Passion Fruit & Ginger, Watermelon & Ginger)		
Petersfield and Rey Group Ltd., Cape Coast, C/R	Reydrop 100% Pure Fruit Juice (Pineapple-Orange, Pineapple-Ginger)		
	Reydrop Juice Drink Orange		
Ginafil Foods & Industries., Takoradi, W/R	Ginafil Natures Mix Fruit Juice		
Honeycomb Foods Ltd., Accra, G/R	Just Juice Bissap Cool Twist Pasteurised Juice		
	Just Juice -Pasteurized (Pineapple)		
	Just Juice - Freshly Squeezed (Orange)		
Edlab Palm Gh. Ltd., Capecoast, C/R	Palme Palm Juice (Banji)		
Chrislaw Ventures., Winneba, C/R	Chrislaw Pine & Ginger Fruit Juice		
Bek Smoothies and Juices., Tema, G/R	Bek Pineapple Juice		
Natural Vita Plus., Accra, G/R	Natural Vita + Fruit Juice Pineapple & Ginger		
	Natural Vita + Fruit Juice Orange, Pineapple & Ginger		

	Natural Vita + Fruit Juice Mango, Ginger & Honey		
	Natural Vita + Fruit Juice Beetroot, Apple, Carrot, Pineapple & Ginger		
	Natural Vita + Fruit Juice Watermelon, Pineapple & Ginger		
Methodist University College Gh., Wenchi, B/A	MUG Mixed Fruit Juice		
	MUG Juice (Mango, Pineapple)		
Virgin Squeeze., Accra, G/R	Virgin Squeeze Hot Passion Juice		
Masig Natural Fruits Industries Ltd, Kumasi, A/R	Masig Banapine Juice Drink		
	Masig Juice Drink (Pineapple, Mango)		
Express Blues Ventures, Accra, G/R	Celestial Fresh Juice Watermelon, Ginger & Pineapple		
	Celestial Fresh Juice Mango, Orange & Ginger		
	Celestial Fresh Juice Pineapple, Ginger, Cucumber & Mint		
	Celestial Fresh Juice Beetroot, Pineapple, Mint & Ginger		

	Celestial Fresh Juice Pineapple, Carrot, Orange & Ginger		
Kroms., Accra, G/R	Fresh Organic Juice (Tamarind Plus Honey)		
	Fresh Organic Juice (Pure Lime, Pure Lemon)		
	Fresh Organic Juice(Hibiscus With Honey)		
	Fresh Organic Juice(Butterfly Pea Flower & Starfruit, Turmeric & Bitter Orange)		
Allied Cocoa Products Ltd., Eddy Williams Yard, busia Rd., South Odorkor	Broma Natural Cocoa Powder	P. O. Box OD 203, Odorkor	0302 307632
Silbest Ghana Ltd. Makola, Accra G/R	Silbest Bissap	P.O.Box DM 120 Makola, Accra.	0268 861587
	Silbest Natural Coconut Juice		
Life First Chemist (LFC) Ltd., Kumasi, A/R	Lotti Fruity Fresh Pineapple Juice	P. O. Box UPO 65, Kumasi, A/R	0244 461962
Hengra Ltd., Apedwa Junction, E/R	Hengra Fruit Juice (Pineapple, Cocktail)	P.O.Box KF K90, Koforidua	0245 799700
1 Africa Industries Ltd., Accra, G/R	Fire Ginger Spice Gin	P. O. Box SR-240, Spintex Rd. Accra	0509 225585
C. Dadzie Ent., Mankessim, C/R	Adom Cocoa Drink	P.O. Box 114, Sekondi	0267 258974

Chrislaw Ventures, Winneba Opp. North Campus, C/R	Chrislaw Spicy Drink	P.O. Box CO 2871 Tema	0262 002943
Akpet Global Limited, Medina,G/R.	Akpet Ice Original Akpeteshie	P.O.Box AM 412, Amasaman	0209 858503
FATS & OILS			
Avnash Industries Ghana Ltd., Tema	Delyte Pure Vegetable Oil	PMB 338, Tema	0540 101144
Vask Foods, Accra, G/R	Vask Palm Oil	P. O. Box CT 2172, Cantoments, Accra	0264 380023
Homefoods Processing And Cannery Limited. Accra	Homefoods Palm Oil	P.O.Box KIA 16519 Airport, Accra	0302 303 914
	Homefoods Vegetable Cooking Oil		
B. Foster Ent., Koforidua,E/R	B. Foster Pure Coconut Oil	P.O.Box 1508,Koforidua,E/R	0208 434550
	B. Foster Shea Butter		
Manaj,Jankama-Aburi,E/R	Pride Of Africa Pure Palm Oil	P.O.Box 45, Jankama- Aburi,E/R	0546 388339
Adnet Trading Ltd., Accra. G/R	Winnie's Palm Oil(Zomi)	P.O Box 1438 Accra	0244 058590
Eco-Tech Green Ghana Ltd., Assin Juaben, C/R	Tasty Palm Oil	P. O. Box OC 1089, Odokou, Accra	0244 225946
Meolas Enterprise, Alajo Accra	Meolas Palm Oil	P.O.Box 2, Accra	0242 354070

Belinda Asante Import & Export Ent., Accra	Ghana Best Natural Palm Oil	P.O.Box ML 424, Mallam, Accra	0240 405052
Praise Export Services Ltd., Accra Ghana	Praise African Palm Oil (Regular & Zomi)	P.O.Box TB 360, Tiafa, Accra	0267 986074
Rich A. Daniels Ventures, Accra	RichGreaSol Bread-pan Lubricant Vegetable Oil	P.O. Box 7, Anomabo, C/R	0245 079375
Stangel Dream Ventures, Accra	Legacy Pure Palm Oil (Zomi)	P. O. Box GP 2273	0249 336603
Garba Baare Co. Ltd., Koforidua	Mar-Jar Palm Oil	P.O.Box 41, Oyoko-Koforidua	0243 716722
Pleasantdales Express	Queen's Virgin Coconut Oil	P.O Box 1497 Dansoman.,Accra	0277 321000
AmePET Ent., Accra, G/R	AmePET Zomi Palmoil	P.O. Box NG 262, Nungua, Accra	0240 508870
Wilmar Africa Ltd., Tema	Alffi Vegetable Oil	P.M.B 169, Tema	0207 495093
DKM Shea Butter Processing Factory Ltd., Wa, U/W	DKM Shea Butter	P.O. Box 2068, Wa	0203 788899
Meannan Foods,Tema,G/R	Meannan Foods Palm Oil	P.O.Box CO 950,Tema,G/R	0244 280527
Dali Industrial Company Limited,Tema,G/R	Dali Soyabean Oil	P.O.Box SQ 175,Tema,G/R	0244 275608
C & S Foods Gh. Ltd., Cemsda Iron City, C/R	Ghana Paaa Palm Oil (Regular, Zomi)	P.O. Box OD 1081, Odorkor, Accra	0244 638499
	Ghana Taste Zomi Palm Oil		
	Nigeria Taste Palm Oil		

FISH & FISH PRODUCTS			
Ichiban Seafoods Co. Ltd., Tema Harbour Area, G/R	Ichiban Frozen Tuna (Belly Meat, Head, Chin, Steak, Loin, Block)	PMB 135, Tema, G/R	0302 216765
Pioneer Food Cannery Ltd, Tema	Petit Navire Natural Whole Yellow Fin Tuna (400g, 132g, 190g, 265g)	P.O. Box 40,Tema	0303 205051
	Mareblu Tuna in Olive Oil (500g, 80g)		
	John West No Drain Tuna Steak (with a little Spring Water, with a little Sunflower Oil, with a little Brine)		
	John West Tuna Chunks (in Brine, in Sunflower Oil)		
M-Jap Company Ltd. Djankrom- Nsawam. E/R	M-Jap Volta Lake Smoked Fish Mix	P.O Box 840 Nsawam	0244 114533

Bin-Abi Ventures, Sabongida, N/R	Bin-Abi Shrimp Powder	P.O. Box 1145, Tamale, N/R	0208 388288
A.A.D Blue Ocean, Accra	A.A.D Blue Ocean Boiboi Fish	P.O.Box 1463, Accra-Ghana	0242 323239
FRUITS			
Green Action Gh. Ltd,Private Mail Bag,Bawku-Gingandi,U/E	Baobab Fruit Powder	Private Mail Bag,Bawku-Gingandi,U/E	0244 873097
Grace Foods, Accra, G/R	Snapple Pineapple Jam	P.O. Box 11116	0249 453079
Ideal Providence Farms, Kpone, G/R	Kroms Homemade Organic Rosella Jam	P.O. Box 1225, Accra	0244 664572
	Kroms Homemade Organic Lemon Ginger Marmalade		
MEAT & MEAT PDTS			
Spicy Foods, Cantonments, Accra, G/R.	Spicy Foods Hot Spicy Sausages	P.O.Box CT 650, cantonments	0244 262010
Pro-10 Ghana Ltd., Accra-North	Pro-10 Beef Sausage	P.O.Box AN 15603	0244 185012
Master Meats Ghana Ltd	Master meats Smoked Chicken Thighs	P.O.Box CT 20, Cantonments- Accra	0244 737166
	Master Meats smoked Turkey Wings		

	Master Meats Smoked Beef Sausage		
	Master Meats Beef Biltong		
	Master Meats Steaks (Gammon Steaks & Kassler Steaks)		
	Master Meats Bacon (Back Bacon ,Streaky Bacon,Smoked Pork Rashers)		
	Master Meats Smoked Pork Sausage		
	Master Meats Cooked Salami		
	Master Meats French Polony		
T.T. International Ltd., Tema	Tastey Mortadella (Beef)	P.O. Box DC 1214, Dansoman	0244 336475
	Tastey Mortadella (Chicken)		
	Lele Beef Sausage		
ROOTS & TUBERS			
Casso L Ent., Kumasi, A/R	Casso Foods Plantain Chips	P.O.Box SE 2627	0243 320577

Oxy Industries Ltd., Tema, G/R.	Oxy's Gari	P. O. Box CO 3180, Community 1, Tema	0244 374071
Food Research Institute, Accra, G/R	CSIR Fufu Flour (Plantain,Cocoyam & Yam)	P.O. Box M20, Accra	0302- 519091-5
	CSIR (Kokonte & Cassava Flour)		
Elsa Foods Ltd., Accra, G/R	African King Plantain Fufu Flour	P.O. Box 7565, Accra- North	0203 140085
	African King Plantain Fufu Flour		
Mina's God Reigns Ent., Kumasi, A/R	Mina's Plantain Chips	P.O. Box R 470 Railways Kumasi	0243 321076
Fudees Limited. Kasoa. C/R	Our Day Plantain Chips	P. O. Box GP 1008	0262 339292
Cynland Enterprise,Kaneshie- Accra,G/R	Cynland(gari & garimix)	P.O.Box KN 229,Kaneshie-Accra,G/R	0302 36642
Ampomah Farm Foods Industries Ltd., Kumasi, A/R	Affi Vital Foods Gari (School Snax, Flavez, Soya Gari and Parched Crispy Gari)	P.O. Box EF 91, Effiduase-Kumasi, A/R	0267 110726
Lee House &Chemical Ventures	Leemex Plantain Fufu FLour	P.O Box 16810 Accra- North	0244 376747
Amab Fine Snacks, Tema G/R	Kele Plantain Chips	P. O. Box 11550, Tema	0208 293060

Snack Treats Enterprise, Accra	Snack Treats Plantain Chips (Plantain Chips, Plantain Chips and Coated Groundnuts)	P.O.Box GP 18588, Accra	0208 979800
J-Nissi Ent., Gbawe, G/R	J-Nissi Ginger Chips	P. O. Box 411, Gbawe Mallam	0272 082923
Sentient Whole Foods, Accra, G/R	Anandam Plantain Chips (Spicy, Salt-Freeze and Salty)	P.O. Box GP 1771, Accra	0246 962328
SPICES & CONDIMENTS			
BisaWorld Limited	Bisa Powdered Red Pepper	P.O.Box 1871 Accra-Ghana	0266033312
Bayswater Industries Ltd., Keta	Mr. Chef Shrimp Seasoning	P.O.Box 91, Keta	0543 132163
BRM Trading Co. Ltd., Tamale	BRM Dawadawa Spice	P.O. Box 1184, Tamale	0244 455559
Bin-Abi Ventures, Sabongida, N/R	Bin-Abi Dawadawa Spice	P.O. Box 1145, Tamale, N/R	0208 388288
Zak Belim Ventures, Abelemkpe, Accra, G/R	Belim Dawadawa Powder	P. O. Box NM 130, Nima, Accra	0249 465861
A1 Spices	Mami's Spice(White pepper mix, Curry Powder)	P.O. Box 345, Kaneshie	0277 145764

	Mami's Spice (Aniseed powder ,nutmeg powder,rosemary powder)		
	Mami's Spice Powdered Seeds (White Pepper Mix, Nketenkete (Aniseed))		
	Mami's Spice Powder (Rosemary, Nutmeg, Curry Powder)		
M2V Ventures, Accra	M2V Spices Garlic Powder	P.O.Box AN 12676, Accra-North	0206 232696
	M2V Spices Ginger Powder		
	M2V Spices Chilli Powder		
SUGAR & SUGAR PDTS			
Kama Industries Ltd., Accra. G/R	Kama Pure Honey	P.O Box AN 5437 Accra-North	0302 782705
Samartex Timber & Plywood Co. Ltd	Sax Pure Rainforest Honey	P.O.Box 1, Samreboi	032 422021
Tegs Catering Services Ent,Accra,G/R	Tegs pure honey	P.O. BOX 745,Teshie Nungua Estate,Accra,G/R	027 755 7566

Redeemer Reigns Enterprise.Accra.G/R	Aroma Organic Honey	P.O Box CT 9051 Cantonments	0246 239388
Gilgal Natural Bee Honey, Tema, Community 5	Gilgal Pure Honey	P.O. Box CO 634, Tema	024-357-3799
B. Foster Ent., Koforidua,E/R	B. Foster Pure Honey	P.O.Box 1508,Koforidua,E/R	0208 434550
Kwaemu Pure Honey,Accra,G/R	Kwaemu Pure Honey	P.O.BOX GP 1210 Accra, G/R.	027-430-1339
M-Jap Company Ltd. Djankrom-Nsawam. E/R	M-Jap Honey	P.O Box 840 Nsawam	0244 114533
JA 24 FOODS, Accra	Honeyworld Honey	P.O.Box CT 10369	0206 813554
Becky Queen Catering Services	Becky Queen Natural Honey	P.O.Box 120, Kwabenya High Street	0243 718799
Felimosco Ent., Ho	Felimo Honey	P. O. Box 556, Ho	0287 046775
Ver-Cedar Ventures	Cedar Honey	P.O Box ML 311	0244 990592
Numbu Innovation Ent., Wa	Numbu Pure Honey	P.O.Box 215, Wa- UWR	0246 987751
Ikon Tilapia Farm Ltd.,Wa-U/W/R	Ceeta Natural Honey	P.O.Box KP 201,Wa-U/W/R	0264 918583
Inkunim Foods	Inkunim Foods Honey	P.O. Box 15919, Accra-North, Accra	0244 566371
VEGETABLES, LEGUMES & PULSES			

FoodTech Limited, Accra	Snappy Crispy Peanut Snacks	P.O. Box 250	0302 229336
Winker Investment Limited	Winker Cashew Nuts	P.O. Box 278, Accra	0572 716215
Ghatty Foods, Accra, G/R	Ghatty Foods Groundnut Paste	P. O. Box ML 598, Mallam, Accra	0264 364574
	Ghatty Foods Cowpea		
Rajkumar Impex Ghana Limited, Techiman.	Rajkumar Impex Blanched Cashew Kernels	P.O.Box 855 Techiman	0242 329002
St. Baasa Gh. Ltd. B/A	Fresh Mama Palm Nut Cream	P.O Box 92 Chiraa-Sunyani	0200 950330
Healthy Snack Seeds Ltd., Tema, G/R	Healthy Snacks (Sesame Seed, Mixed Seeds)	P. O. Box 677, Legon, Accra	020-705-3724
Global Nanafua Services, Accra, G/R	Global Nanafua Roasted Cashew Nuts	P. O. Box GP 14848, Accra, G/R	0208 211500
Food Research Institute, Accra, G/R	CSIR Groundnut Paste	P.O. Box M20, Accra	0302- 519091-5
Tip Top Foods Ltd.,Ho V/R	Tomafresh tomato puree	P. O. Box AW 14, Angola,V/R	0244 060442
Conserveria Africana Ghana Ltd., Tema, G/R	Pomo Tomato Paste(70g sachet)	PMB 292 Community 1, Tema	0244 622789
Nana Adebi Enterprise.Accra,G/R	Nana Adebi Roasted Cashew Nuts	P.O Box A 329 La,Accra	020-811-6610
Donposh Homemade Foods, Kumasi, A/R	Adidipa Melon Seeds Paste(Wrewre)	P.O. Box KS 12541, Kumasi	0244 791387

Daniels Mushroom Farms, Kumasi A/R	Wise Choice Fresh Oyster Mushrooms	P.O. B0x 1279, Adum- Kumasi	0241 437413
ABD And Sons Co. Ltd., Kumasi,G/R	Diana`s Tomato Puree	P.O.Box SE 1815, suame- Kumasi,G/R	0241 773 256
Cynland Enterprise,Kaneshie- Accra,G/R	Cynland Creamy Groundnut Butter	P.O.Box KN 229,Kaneshie-Accra,G/R	0302 36642
Grace Foods, Accra, G/R	Snapple Tomato Ketchup	P.O. Box 11116	0249 453079
Olam Ghana Ltd., Accra	Festin Tomato Mix	P.O. Box GP 1847, Accra	0303-413157
	Tasty Tom Tomato Mix		
	Tasty Tom Tomato Paste with additional ingredients		
Becky Queen Catering Services	Becky Queen Peanut(Butter, Crunch)	P.O.Box 120, Kwabenya High Street	0243 718799
Stangel Dream Ventures, Accra	Legacy Natural Peanut Butter	P. O. Box GP 2273	0249 336603
Reap Groundnut Paste, Accra, G/R	Reap Groundnut Paste	P.O.Box KN 1089 Kaneshie, Accra	0269 450777
Bleka Industries Limited	Bleka Farm Fresh Tomato Sauce (Puree)	P.O Box 10068,Accra- North	0244 542505
Numbu Innovation Enterprise, Wa	Numbu Peanut (Ani Spread)	P.O.Box 215, Wa- UWR	0246 987751
Aub Dasan Ventures,Wa-W/R	Nsoroma Groundnut Paste	P.O. Box 579,Wa-W/R	0209 517616

Top Up Investments Ltd., Achimota Accra	Anita Tomato Paste	No. 202, behind Sonidom Filling Station, Achimota	0201 577890
Cocoa Research Institute Of Ghana,	Whole Cashew Nuts	P.O Box 8,New Tafo Akim.,E/R	0540 933451
Nutrifoods Ghana Ltd., Accra	Tasty Tom Tomato Paste	P.O. Box GP 1847, Accra	0544 310697

SOURCE: FOOD AND DRUGS AUTHORITY

SECTION 7: AGRICULTURAL COMMODITY PRICES

TABLE 7.1 ANNUAL NOMINAL WEIGHTED AVERAGE RURAL WHOLESALE PRICE (GH¢ PER MT.)

CROPS	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CASSAVA	336.81	499.65	440.37	526.86	1,328.30	1,086.31	1,084.24	1,294.18	1,583.06	1,522.53
YAM	763.92	907.92	942.78	1,220.63	1,592.57	1,933.04	1,753.10	2,448.62	2,901.78	3,211.72
PLANTAIN	764.92	900.84	1,001.42	1,086.45	2,521.77	2,275.44	1,941.21	2,853.53	2,585.30	2,670.37
COCOYAM	836.90	1,074.27	1,221.21	1,215.80	2,026.24	2,154.29	1,444.64	3,205.09	3,304.99	3,924.70
MAIZE	870.27	741.01	1,066.56	1,421.69	1,423.22	1,353.00	1,438.07	1,582.59	1,659.80	2,711.80
SORGHUM	974.67	1,094.94	1,325.22	1,413.76	1,442.01	1,826.55	2,023.80	3,013.40	2,559.83	2,921.50
GROUNDNUT	3,074.69	3,120.04	3,646.70	4,879.15	4,985.65	4,516.16	4,640.42	5,337.31	6,233.03	5,829.30
MILLET	1,233.79	1,439.40	1,616.73	897.05	1,889.19	2,251.99	2,732.91	2,791.40	2,908.40	3,396.15
RICE	1,434.91	1,660.80	2,223.25	2,657.21	4,209.04	4,024.91	3,315.98	3,928.12	4,303.04	4,691.50
TOMATO	2,573.74	3,305.37	4,253.09	5,246.83	5,159.01	2,650.96	4,606.79	7,044.47	6,729.78	6,135.20

SOURCE: STATISTICS RESEARCH AND INFORMATION DIRECTORATE, SRID-MOFA

SEE APPENDICES 1-10 FOR PRICE TREND GRAPHS.

TABLE 7.2 ANNUAL REAL AVERAGE RURAL WHOLESALE PRICES (GH¢ PER MT.)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CASSAVA	106.10	465.65	384.26	348.89	348.89	564.08	495.2	1,159.66	1,343.51	1174.79
YAM	240.64	846.15	822.67	808.31	897.73	1,003.76	800.69	2,194.11	2,462.68	2478.18
PLANTAIN	240.96	839.55	873.84	719.46	1,421.51	1,181.56	886.6	2,556.93	2,194.09	2060.47
COCOYAM	263.63	1,001.19	1,065.62	805.11	1,142.19	1,118.65	659.81	2,871.94	2,804.88	3028.32
MAIZE	274.15	690.59	930.68	941.45	802.27	702.57	656.8	1,418.09	1,408.64	2092.44
SORGHUM	307.03	1,020.45	1,156.39	947.46	812.96	948.46	924.32	2,700.18	2,172.06	2254.24
GROUNDNUT	968.56	2,907.77	3,182.11	3,231.01	2810.4	2,345.08	2,119.4	4,782.51	5,289.85	4497.94
MILLET	388.66	1,341.47	1,410.76	594.03	1,064.92	1,169.38	1,248.19	2,501.25	2,468.30	2620.49
RICE	452.01	1,547.81	1,940.01	1,759.62	2,372.62	2,089.99	1,514.49	3,519.82	3,651.91	3619.98
TOMATO	810.75	3,080.49	3,711.25	3,474.49	2,908.12	2,650.96	2,104.04	6,312.25	5,711.43	4733.95

SOURCE: STATISTICS, RESEARCH AND INFORMATION DIRECTORATE, SRID-MOFA

SEE APPENDICES 1-10 FOR PRICE TREND GRAPHS

TABLE 7.3 NATIONAL AVERAGE PRICES OF SELECTED AGRICULTURAL INPUTS (GH¢)

INPUT	UNIT	2015	2016	2017	2018	2019	2020	2021	% CHANGE				
									2016/17	2017/18	2018/19	2019/20	2020/21
NPK	50KG	115.17	107.56	112.00	102.50	90.47	105.35	145.25	4.13	-8.48	-11.74	16.45	37.87
SULPHATE OF AMMONIA	50KG	99.51	92.71	91.00	91.75	84.99	89.88	146.57	-1.84	0.82	-7.37	5.75	63.07
UREA	50KG	104.19	98.71	102.00	95.06	88.96	90.44	152.74	3.33	-6.80	-6.42	1.66	68.88
ROUND UP	1 LITRE	20.54	21.67	21.90	16.49	21.52	19.25	33.67	1.06	-24.70	30.50	-10.55	74.89
KARATE	1 LITRE	13.20	14.00	16.27	21.14	20.88	28.13	23.50	16.21	29.93	-1.23	34.72	-16.46
ACTELIC	1 LITRE	18.29	23.83	18.00	31.20	38.86	N/A	N/A	-24.46	73.33	24.55	-	N/A
HOE	SINGLE	9.09	11.44	12.35	12.84	14.73	13.67	27.73	7.95	3.97	14.72	-7.20	102.83
CUTLASS	SINGLE	16.02	16.98	16.34	17.61	18.46	21.88	22.57	-3.77	7.77	4.83	18.53	3.13
JUTE SACK	SINGLE	6.54	7.00	5.26	4.33	4.00	5.21	6.04	-24.86	-17.68	-7.62	30.25	15.93

*A REBASED CPI WITH 2012 CONSTANT PRICES

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE, SRID-MOFA

TABLE 7.4 COST OF FERTILIZER: FULL VS. SUBSIDIZED – 2021

FERTILIZER PRODUCT (25 KG BAG)	FULL COST (GH¢)	SUBSIDY PRICE (GH¢)	FARMERS' PRICE (GH¢)	PERCENTAGE SUBSIDY (%)
NPK (15-20-20+0.7Zn)	78	30	48	38.5
NPK (12-30-17+0.4Zn)	80	32	48	40.0
NPK (23-10+05+2MgO+3S+0.3Zn)	73	25	48	34.2
NPK (20-10-10+3S)	73	25	48	34.2
NPK (25-10-10+6S+3MgO+0.3Zn)	75	27	48	36.0
NPK (11-22-21+5S+0.7Zn+0.5B)	80	32	48	40.0
UREA (46%N)	71	26	45	36.6

SOURCE: DIRECTORATE OF CROPS SERVICES (DCS) -MOFA

TABLE 7.5 COST AND QUANTITY OF FERTILIZER AND SEED SUBSIDY

	2016	2017	2018	2019	2020	2021	TOTAL
TOTAL SUBSIDY PAID BY GOVERNMENT ON FERTILIZER (GH¢'000)	98,563.00	204,767.00	331,592.00	461,505.00	587,876,849	278,567,669	1,699,843.00
TOTAL QUANTITY OF FERTILIZER (MT)	134,227.00	191,744.00	247,039.00	331,354.00	424,000.00	239,096	1,328,364.00
TOTAL SUBSIDY PAID BY GOVERNMENT ON SEED (GH¢'000)	N/A	35,405.00	64,021.00	169,256.00	301,085.00	207,412,998	569,766.00
TOTAL QUANTITY OF SEED (MT)	N/A	4,400	6,822	18,204	29,500	34,291	58,926.06

SOURCE: DIRECTORATE OF CROPS SERVICES (DCS) –MOFA, 2020

* NO FERTILIZER SUBSIDY SCHEME

SECTION 8: AGRICULTURE AND NATIONAL ECONOMY

TABLE 8.1 CONTRIBUTION OF VARIOUS SUB-SECTORS TO AGRICULTURAL GDP (2013 CONSTANT PRICES) (%)

AGRICULTURE SUB-SECTORS	2013	2014	2015	2016	2017	2018	2019	2020*	2021**
CROPS, INCLUDING COCOA	73.05	72.09	72.46	76.39	77.28	78.26	79.21	81.16	76.86
<i>COCOA</i>	<i>10.24</i>	<i>13.73</i>	<i>13.04</i>	<i>10.99</i>	<i>10.68</i>	<i>10.17</i>	<i>9.38</i>	<i>9.02</i>	<i>8.52</i>
LIVESTOCK	12.06	12.60	11.59	10.01	9.70	9.45	9.16	8.31	12.79
FORESTRY AND LOGGING	7.94	9.15	9.27	7.61	7.76	7.45	6.89	5.59	5.31
FISHING	6.95	6.16	6.68	5.99	5.26	4.84	4.74	4.94	5.03

SOURCE: ANNUAL 2013 - 2021 GDP, (APRIL 2021 EDITION) - GHANA STATISTICAL SERVICE (GSS)

* PROVISIONAL

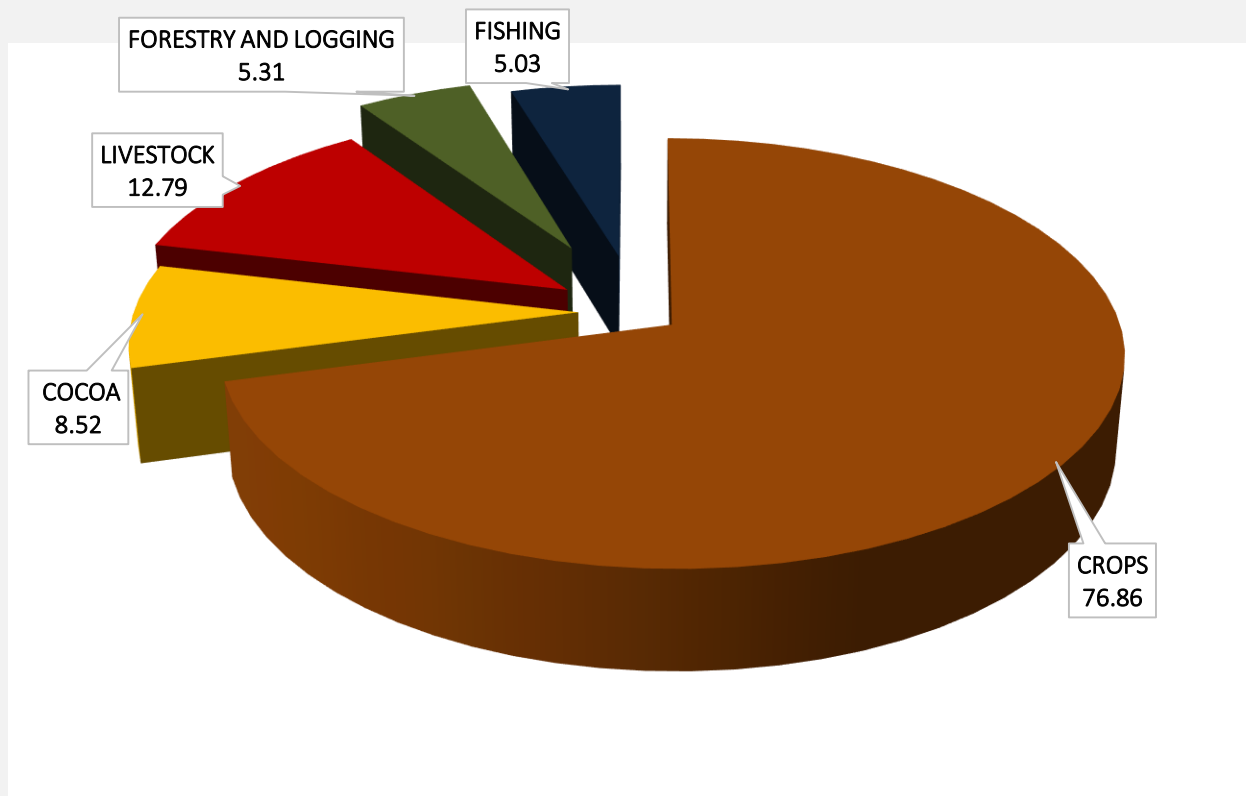


FIGURE 17: 2021 AGRICULTURAL GDP (%) BY SUB-SECTOR

SOURCE: BASED ON TABLE 8.1

TABLE 8.2 SHARE OF AGRICULTURE AND OTHER SECTORS IN GDP (%)

SECTOR	2013	2014	2015	2016	2017	2018	2019	2020*	2021**
AGRICULTURE	21.43	21.83	21.86	22.59	21.12	19.65	18.52	19.09	20.99
INDUSTRY	35.87	37.03	33.81	29.81	31.94	33.02	33.23	36.30	30.10
SERVICES	42.70	41.14	44.33	47.60	46.94	47.33	48.25	44.62	48.91
GDP AT CURRENT MARKET PRICES (GH¢- MILLION)	118,314.00	142,365.00	167,731.00	202,606.00	243,432.00	284,771.00	333,555.00	386,880.00	431,142.34

SOURCE: ANNUAL 2013 - 2021 GDP, (APRIL 2021 EDITION) - GHANA STATISTICAL SERVICE (GSS)

* PROVISIONAL

TABLE 8.3 AGRICULTURE AND OTHER SECTOR GDP GROWTH RATES AT 2013 CONSTANT PRICES (%)

SECTOR	2013	2014	2015	2016	2017	2018	2019	2020*	2021**
AGRICULTURE	5.7	0.9	2.1	2.7	6.2	4.9	4.7	7.4	8.42
INDUSTRY	10	1.1	1.2	4.3	15.6	10.5	6.4	-3.6	-0.80
SERVICES	6.6	5.2	2.9	2.8	3.4	2.8	7.6	1.5	9.35
NATIONAL	7.3	2.8	2.1	3.3	8.3	6.1	6.5	0.7	5.31

SOURCE: ANNUAL 2013 - 2021 GDP, (APRIL 2021 EDITION) - GHANA STATISTICAL SERVICE (GSS)

* PROVISIONAL

TABLE 8.4 AGRICULTURE SUB- SECTOR GDP GROWTH RATES AT 2013 CONSTANT PRICES (%)

	2013	2014	2015	2016	2017	2018	2019	2020*	2021**
CROPS	5.9	2.8	1.7	2.2	7.2	5.8	5.3	8.7	8.88
COCOA	2.6	4.3	-8	-7	9.2	3.7	5.4	1.9	10.39
LIVESTOCK	5.3	5.1	5.2	5.4	5.7	5.4	5.4	5.4	5.48
FORESTRY& LOGGING	4.6	-1.5	-3.9	2.9	3.4	2.4	-1.7	-9.2	4.68
FISHERIES	5.7	-23.3	8.5	3.1	-1.4	-6.8	1.7	14.4	13.44
AGRICULTURE	5.7	0.9	2.1	2.7	6.2	4.9	4.7	7.4	8.42

SOURCE: ANNUAL 2013 - 2021 GDP, (APRIL 2021 EDITION) - GHANA STATISTICAL SERVICE (GSS)

* PROVISIONAL

TABLE 8.5 PERFORMANCE OF NON-TRADITIONAL AGRICULTURAL EXPORTS

ITEMS	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TOTAL VOLUME OF NON-TRADITIONAL AGRICULTURAL EXPORTS ('000 MT)	553.1	552.4	571.6	670.1	612	516	620	656	571	642
TOTAL VALUE OF NON-TRADITIONAL AGRICULTURAL EXPORTS IN US \$M	276.4	306.1	340.7	396.9	371	441	591	430	433	467
TOTAL VALUE OF ALL NON-TRADITIONAL EXPORTS IN US \$B.	2.364	2.436	2.514	2.522	2.5	2.6	2.8	2.9	2.7	3.3
CONTRIBUTION OF NON-TRADITIONAL AGRICULTURAL EXPORTS (%)	11.7	12.6	13.6	15.74	15.1	17.3	21	14.8	14.4	14.3

SOURCE: GHANA EXPORT PROMOTION COUNCIL, ACCRA

TABLE 8.6 VOLUME OF MAIN NON-TRADITIONAL AGRICULTURAL EXPORTS (MT.)

COMMODITY	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% CHANGE (2020/2021)
HORTICULTURAL:											
PINEAPPLE	41,212	40,095	33,634	43,461	27,148	36,331	17,507	18,280	14,173	12,988	-8.36
YAM	25,079	5,230	36,826	28,296	24,105	18,644	17,279	29,037	38,566	34,787	-9.80
ORANGE (FRESH)	7,589	8,233	9,025	5,062	6,789	6,059	7,192	10,153	3,213	6,891	114.47
VEGETABLES	1,960	N. A	870	338	294	580	405	553	956	1,480	54.77
BANANA	60,425	8,656	56,075	95,180	108,473	112,861	178,903	191,222	92,974	98,796	6.26
MANGO	1,222	1,789	1,276	2,219	2,122	1,741	2,817	1,953	3,649	4,708	29.03
PAWPAW	426	1,119	1,295	664	520	1,639	1,240	1,446	1028	1,124	9.36
FISH & SEA FOODS:											
TUNA FISH	19,799	6,496	26,820	12,138	26,387	33,167	31,455	29,109	N. A	12,786	100.00
OTHER FISH	n. a	7,008	5,792	4,654	8,076	4,695	3,560	1,989	N. A	443	100.00
LOBSTERS/SHRIMPS, ETC	18	52	93	27	N. A	59	55	N. A	8	172	2,049.34
CUTTLEFISH/OCTOPUS	412	130	556	1,020	5,556	10,546	6,193	4,103	391	6,617	1,592.31
PROCESSED & INDUSTRIAL:											
CASHEW NUTS	157,176	271,537	192,376	232,835	231,555	207,479	259,432	265,078	251,615	325,407	29.33
COCOA PRODUCTS	N. A	N. A	220,308	N. A	261,816	N. A	N. A	N. A	N. A	301,556	100.00
RAW/LINT COTTON	N. A	N. A	2,516	598	1,662	398	N. A	8.105	163	595	265.00
COFFEE	48,517	918	112	174	538	8	N. A	41.15	44	1	-97.52
COTTON SEED	7,077	2,984	509	N. A	N. A	370	42	N. A	163	138	-15.07
KOLA NUT	1,758	527	135	N. A	N. A	7,898	2,867	2,807	768	1,779	131.62
SHEA NUTS	108,976	37,518	59,909	134,651	78,268	10,983	27,967	53,566	27,613	36,162	30.96

SOURCE: GHANA EXPORT PROMOTION COUNCIL (GEPC), ACCRA

TABLE 8.7 VALUE OF MAIN AGRICULTURAL NON-TRADITIONAL EXPORTS (US \$'000)

COMMODITY	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% CHANGE (2020/2021)
HORTICULTURAL:											
PINEAPPLE	16,816	19,209	17,960	20,539	13,727	18,056	9,254	9,228	8,785	9,465	7.74
YAM	12,251	3,255	18,282	18,980	18,977	8,516	8,621	13,690	13,429	11,491	-14.43
ORANGE (FRESH)	483	534	707	310	341	475	668	388	510	1,819	256.74
VEGETABLES	1,215	N. A	705,549	268	275	602	291	551	1,552	2,341	50.82
BANANA	15,317	2,287	16,699	25,443	30,853	38,797	85,544	63,828	40,771	35,568	-12.76
MANGO	2,689	5,111	6,247	7,618	11,596	10,852	12,946	12,527	20,545	19,507	-5.05
PAWPAW	136	713	595	446	343	1,159	906	962	723	734	1.53
FISH & SEA FOODS:											
TUNA FISH	44,999	24,390	42,851	27,785	26,374	57,712	44,093	38,890	N. A	20,562	100.00
OTHER FISH	13,940	7,696	10,043	3,711	3,111	2,967	1,959	655	N. A	1,396	100.00
LOBSTERS/SHRIMPS, ETC	92	389	952	143	N. A	268	24	N. A	3	208	6,834.00
CUTTLEFISH/OCTOPUS	1,455	464	2,476	3,803	4,087	11,447	10,074	5,399	1,528	6,242	308.53
PROCESSED & INDUSTRIAL:											
CASHEW NUTS	91,290	155,629	134,614	211,328	196,784	262,945	378,210	237,889	217,766	287,458	32.00
COCOA PRODUCTS	N. A	N. A	649,997	N. A	543,046	N. A	N. A	860,865	N. A	1,019,663	100.00
RAW/LINT COTTON	508	N. A	3,865	864	2,049	664	N. A	1,535	142	852	500.14
COFFEE	N. A	4,278	168	570	1,621	66	N. A	89	N. A	5	100.00
COTTON SEED	970	927	908	N. A	N. A	16	7	N. A	24	18	-24.68
KOLA NUT	393	93	27	N. A	N. A	1,502	553	607	90	184	104.73
SHEA NUTS	26,338	8,063	25,046	33,572	19,165	4,027	14,103	27,190	13,790	20,194	46.44

SOURCE: GHANA EXPORT PROMOTION COUNCIL (GEPC), ACCRA

TABLE 8.8 CEREAL IMPORTS

CEREAL	QUANTITY/VALUE	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
WHEAT	METRIC TONNES	190,711	309,808	422,880	469,263	578,004.00	798,986.00	715,027.00	N/A	71,820.35	148,683.11
	US \$ MILLION	149.55	140.07	155.09	144.24	177.53	227.04	212.58	N/A	991.64	25.43
RICE	METRIC TONNES	508,587	644,334	417,395	1,082,224	982,044.00	819,839.00	830,127.00	N/A	708,018.34	579,810.15
	US \$ MILLION	319.8	429.04	709.91	525.47	418.32	400.79	449.01	N/A	2.125	115.06
MAIZE	METRIC TONNES	113,343	3,172	6401	113,037	71,741.00	40,661.00	81,708.00	N/A	9,542.72	67,939.81
	US \$ MILLION	6.79	3.22	14.44	26.84	16.13	9.77	22.65	N/A	16.93	15.71
SORGHUM	METRIC TONNES	0.6	-	0.1	-	N / A	501.00	32.00	N/A	2.58	1.78
	US \$ MILLION	0.1	-	0.025	-	N / A	0.21	0.06	N/A	1.23	0.00045

SOURCE: GHANA STATISTICAL SERVICE (GSS)

TABLE 8.9 FERTILIZER IMPORTS

	QUANTITY	2016	2017	2018	2019	2020	2021
NPK	MT	258,290	153,767	224,176	217,024	299,423	152,267
NPK (LIQUID)	LT	127,565	14,351	-	99,334	734,325	N/A
UREA	MT	16,353	78,591	42,005	77,011	90,025	3,800
MURIATE OF POTASH	MT	14,268	26,018	15,993	42,235	55,621	15,329
SULPHATE OF AMMONIA	MT	14,417	36,833	10,084	17,326	44,084	32,561
PHOSPHATES	MT	109,961	23,280	703	4,189	9,668	542
NITRATES	MT	3,450	2,203	90,019		80,796	11,094
POTASSIUM SULPHATE	MT	3,627	N. A	74	3,831	44,084	196
COCOA FERTILIZER	MT	N. A	N. A	N. A	-	N.A	N/A
*OTHERS: SOLID	(MT)	20,459	178,875	-	63,494	119,326	32,610
LIQUID	(LT)	523,646	2,839,351	-	1,570,654	665,431	N/A
TOTAL	SOLID (MT)	440,826	499,566	383,054	425,110	119,326	248,399
	LIQUID (LT)	651,211	2,853,702	-	1,669,988	1,399,756	-

SOURCES: CROPS SERVICES DIRECTORATE, PLANT PROTECTION AND REGULATORY SERVICES DIRECTORATE , (MINISTRY OF FOOD AND AGRICULTURE), ENVIRONMENTAL PROTECTION AGENCY (EPA)
NITRATE FERTILIZERS INCLUDE POTASSIUM AND CALCIUM NITRATE. NPK INCLUDES 15-15-15 AND OTHER NPKS.
*OTHERS: (ZNSO4, FE3SO4, CA (NO3)2 MGSO4, K2SO4, MG (NO3 NH4NO3)2,5

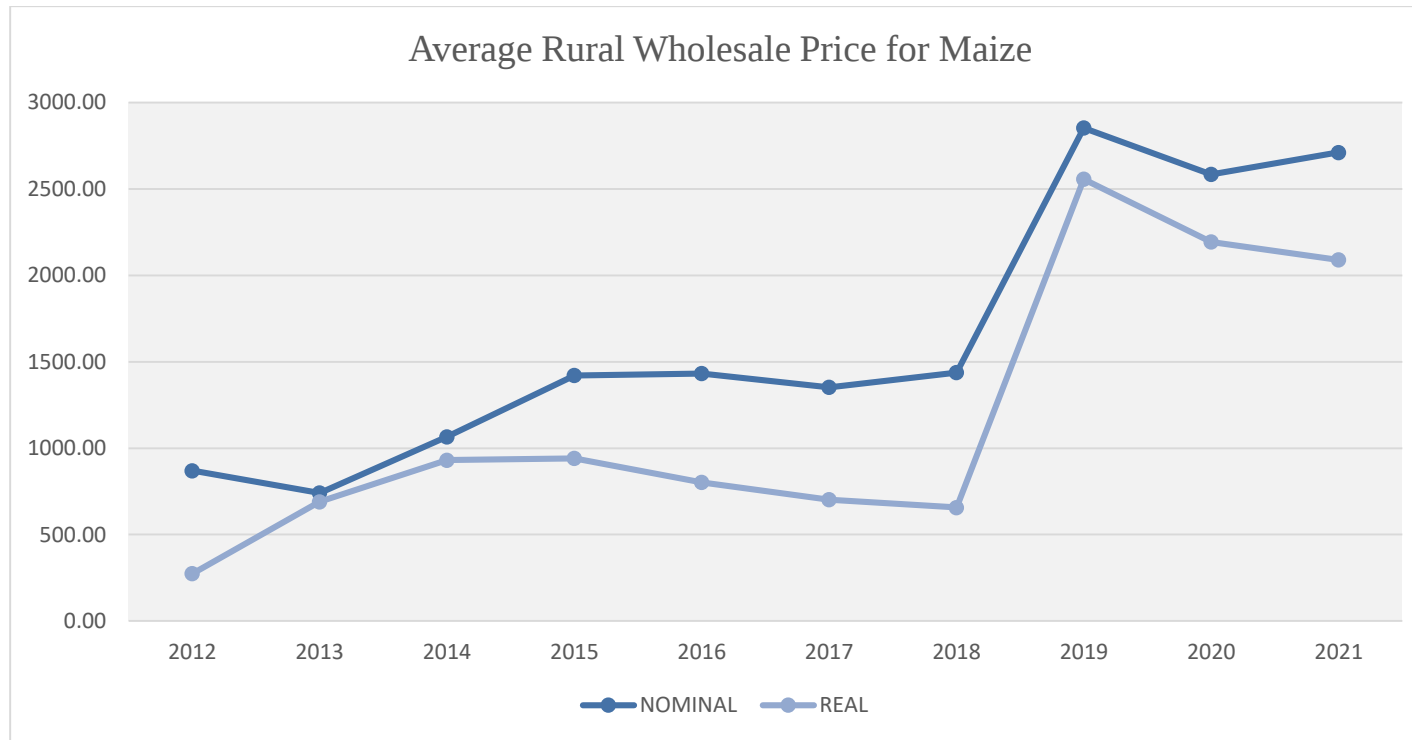
TABLE 8.10 PESTICIDE IMPORTS

TYPES OF PESTICIDES	QUANTITY	2016	2017	2018	2019	2020	2021
INSECTICIDE	METRIC TONNES	5,742	1,620	1,295	1,247	6,354	8,302
	LITRES	9,790,479	10,161,318	6,959,924	7,118,201	N/A	N/A
FUNGICIDE	METRIC TONNES	4,707	4,482	1,770	4,069	1,105	5,196
	LITRES	178,278	682,476	336,332	348,176	N/A	N/A
HERBICIDE	METRIC TONNES	32,947	19,113	6,975	8,063	30,154	57,425
	LITRES	53,531,813	37,643,385	33,242,052	35,142,725	N/A	N/A
TOTAL	METRIC TONNES	43,396	25,215	10,040	13,379	37,611	70,923
	LITRES	63,500,570	48,487,179	40,538,308	42,609,102	N/A	N/A

SOURCE: PLANT PROTECTION AND REGULATORY SERVICES DIRECTORATE (PPRSD), MOFA
* VALUE ALSO INCLUDES THAT FOR RODENTICIDES.

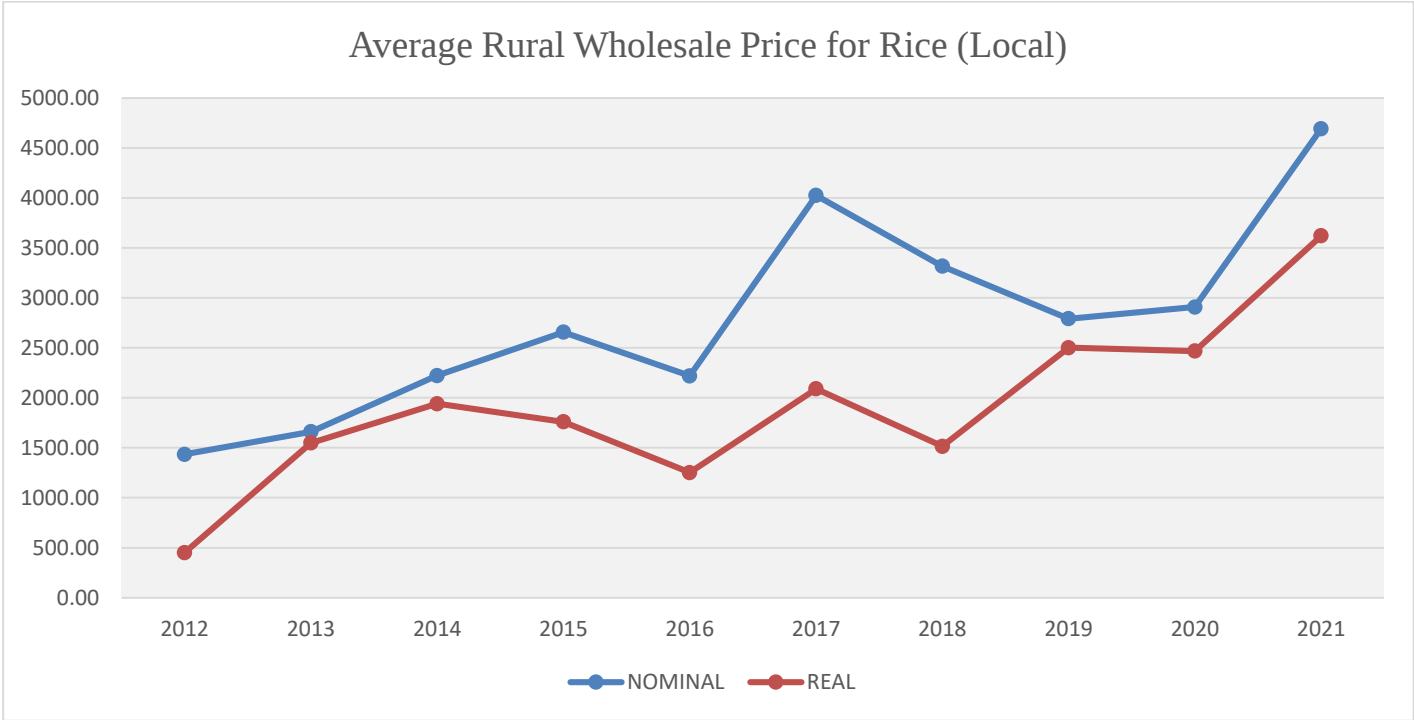
APPENDICES

APPENDIX 1: AVERAGE RURAL WHOLESALE PRICE FOR MAIZE



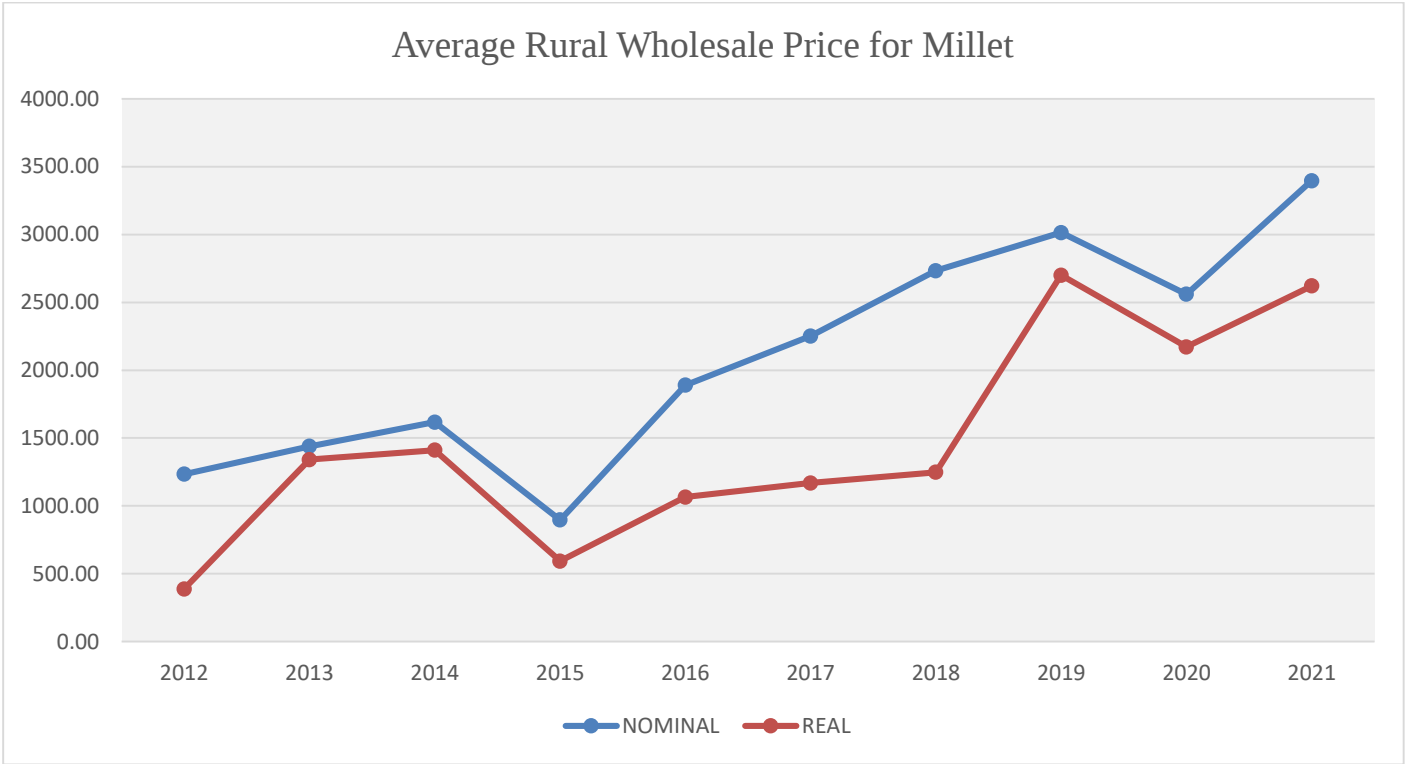
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 2: AVERAGE RURAL WHOLESALE PRICE FOR RICE (LOCAL)



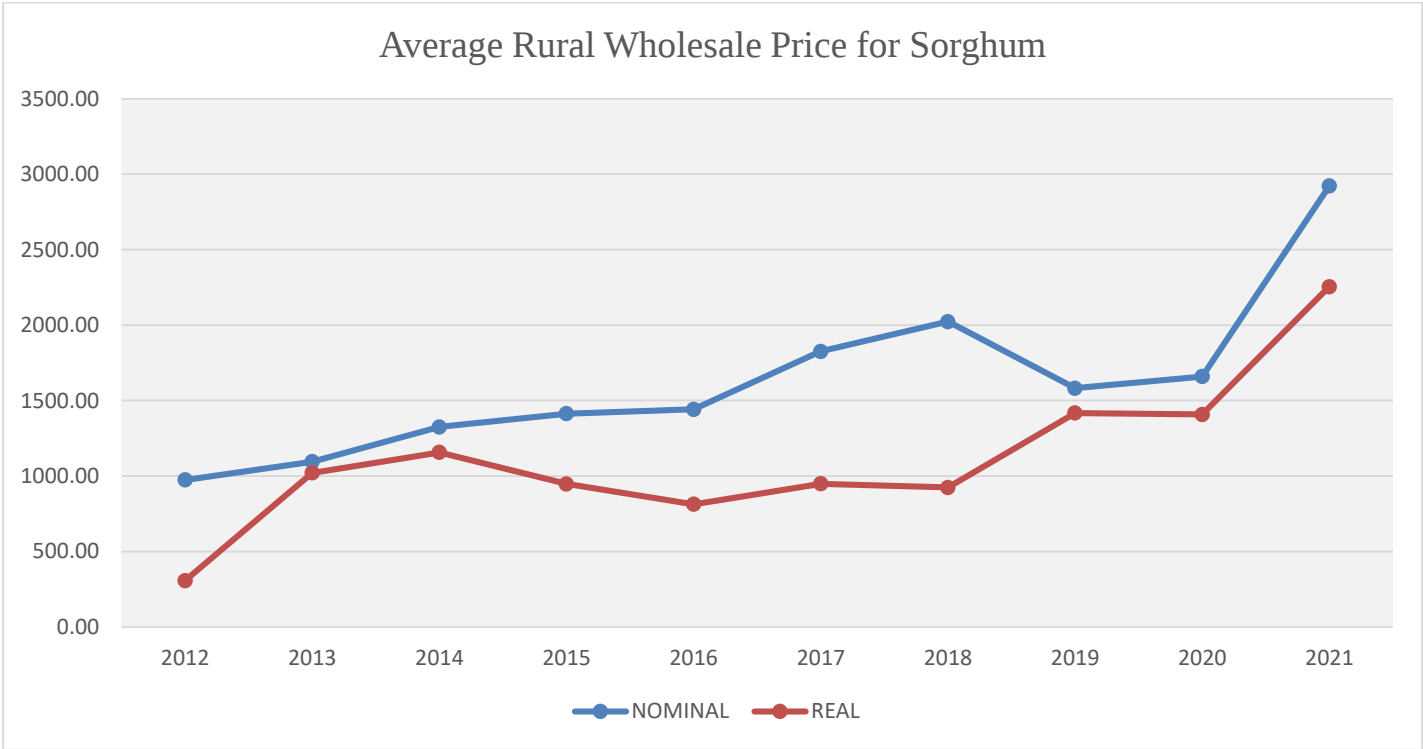
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 3: AVERAGE RURAL WHOLESALE PRICE FOR MILLET



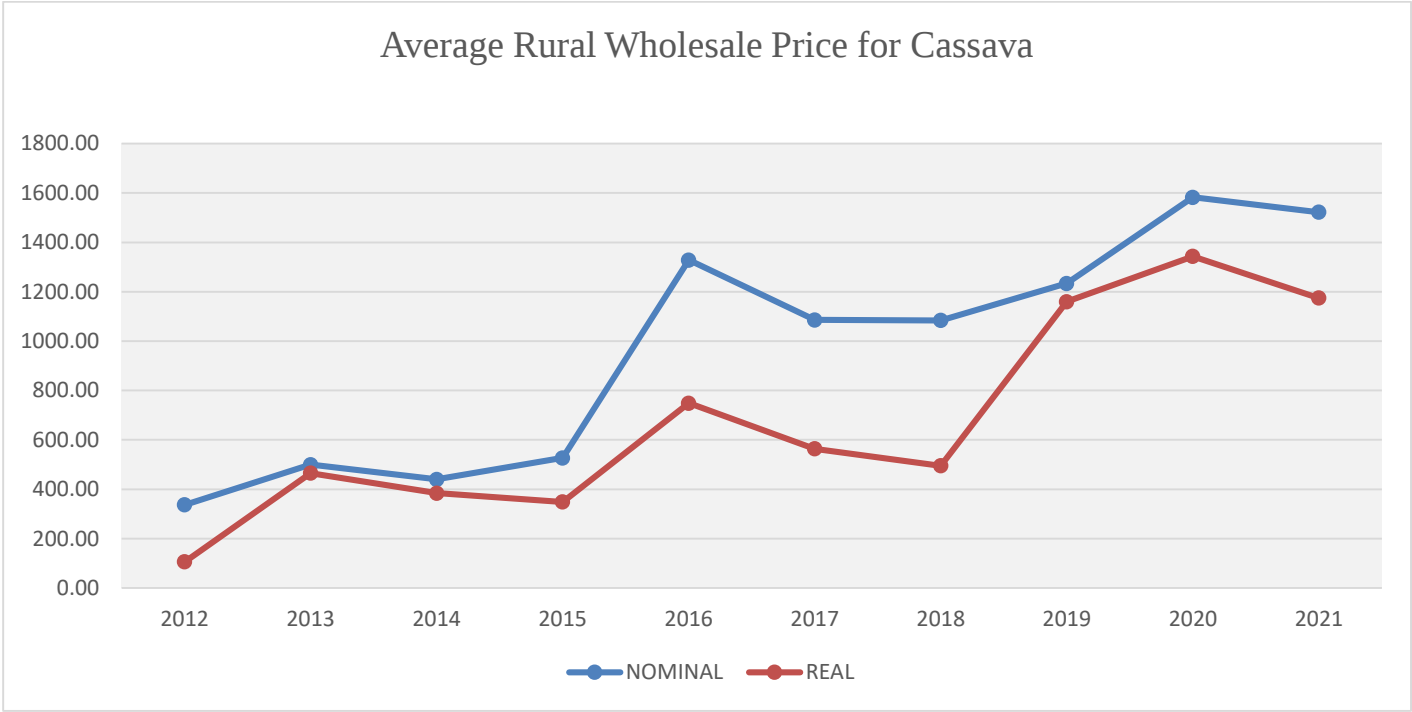
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 4: AVERAGE RURAL WHOLESALE PRICE FOR SORGHUM



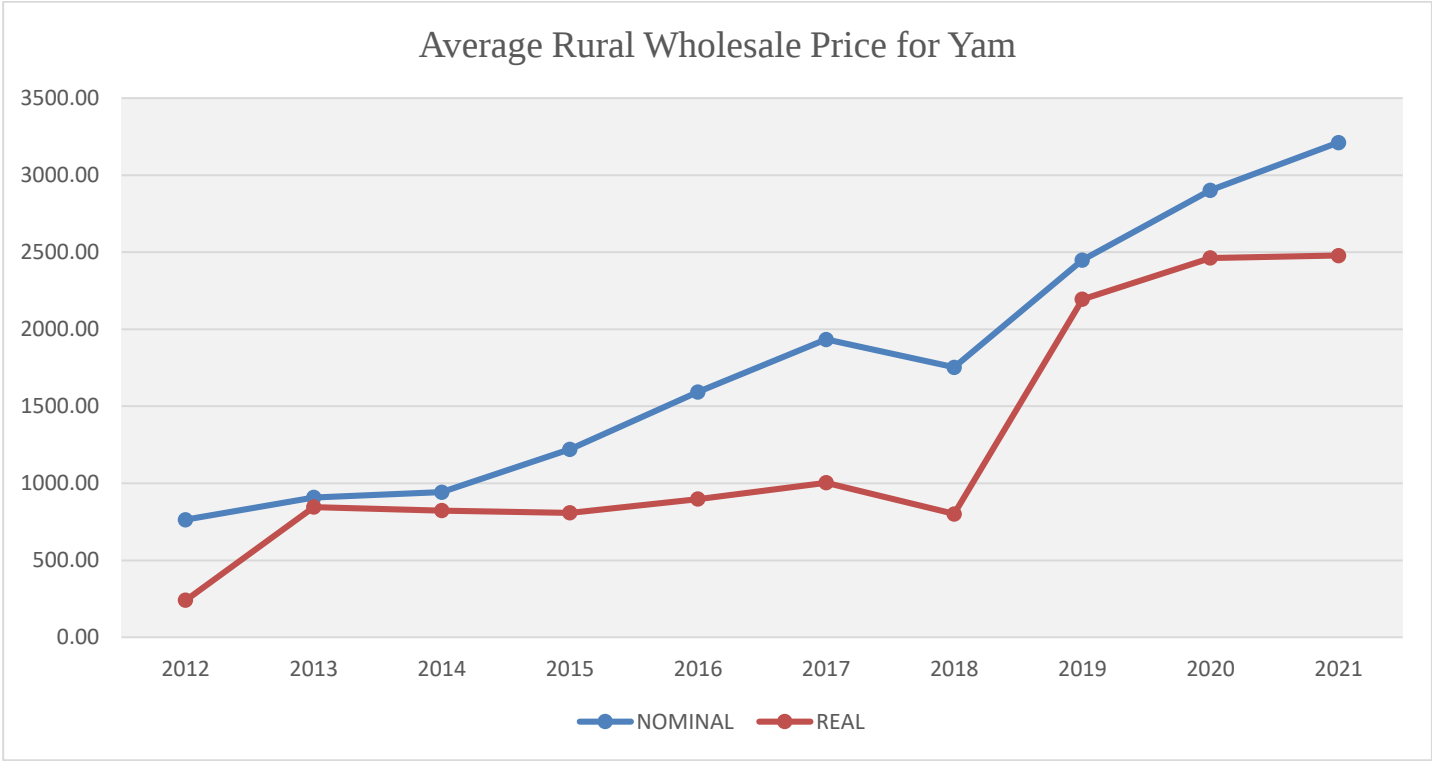
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 5: AVERAGE RURAL WHOLESALE PRICE FOR CASSAVA



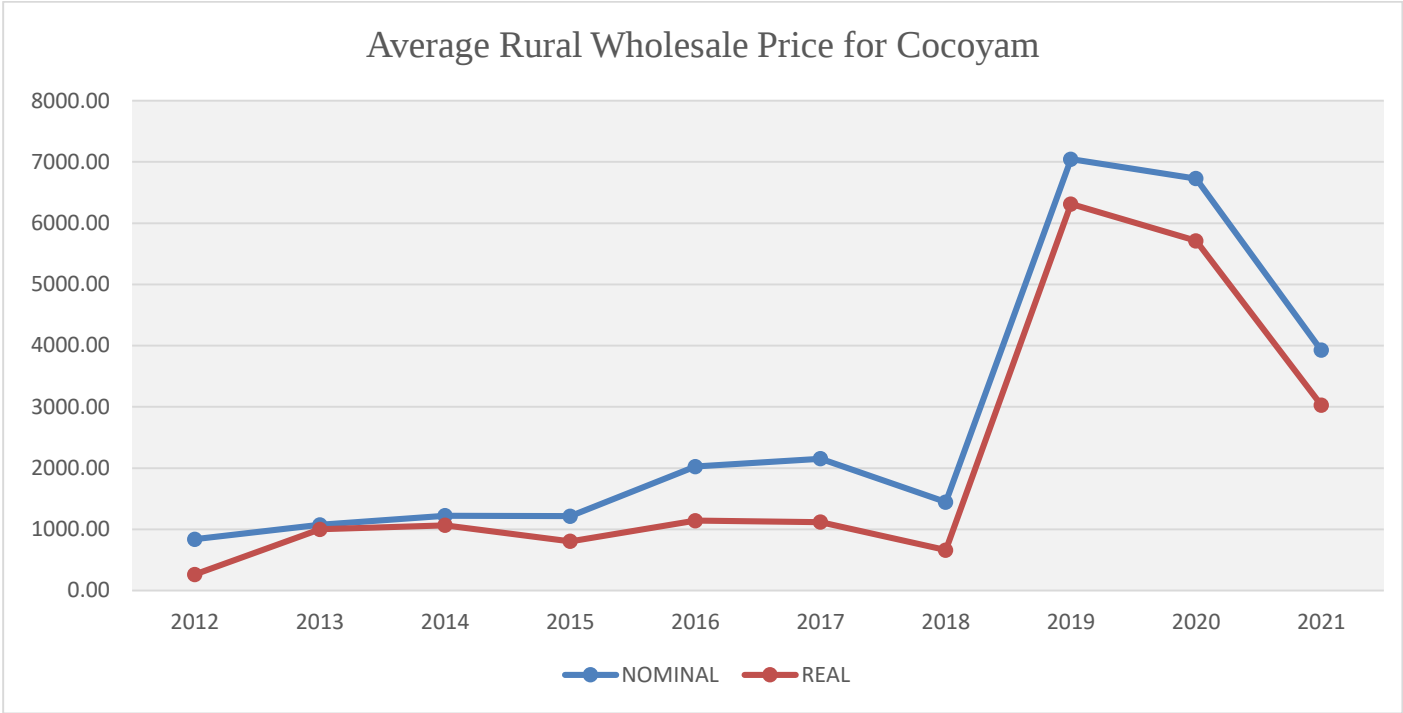
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 6: AVERAGE RURAL WHOLESALE PRICE FOR YAM



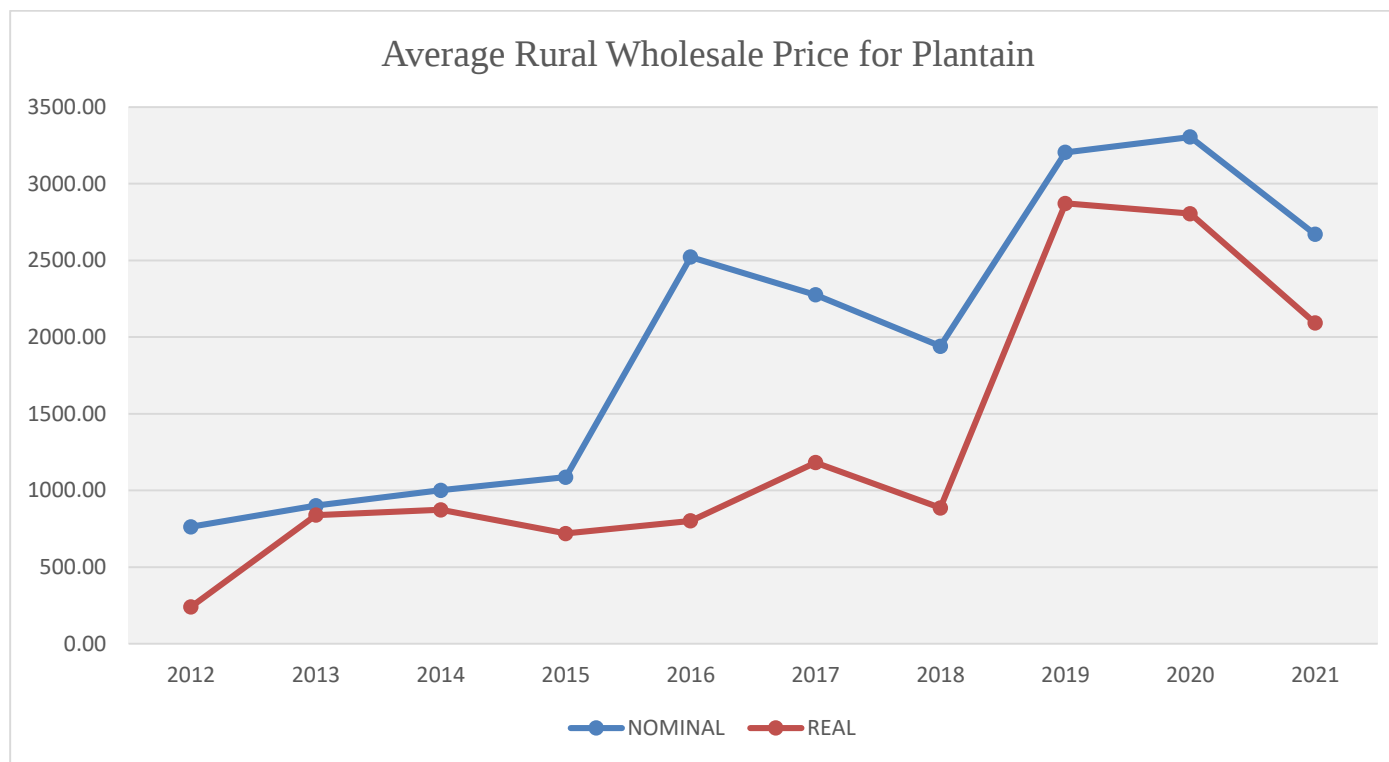
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 7: AVERAGE RURAL WHOLESALE PRICE FOR COCOYAM



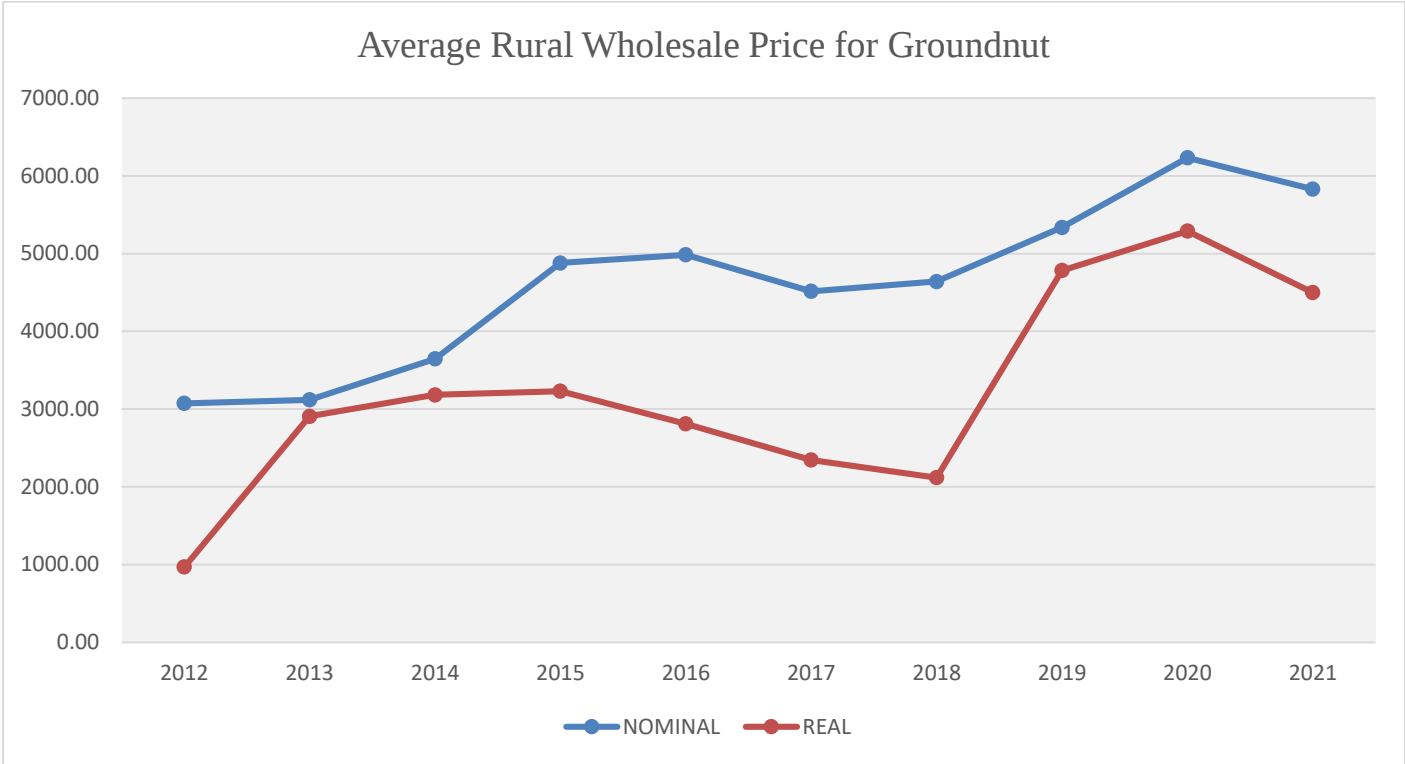
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 8: AVERAGE RURAL WHOLESALE PRICE FOR PLANTAIN



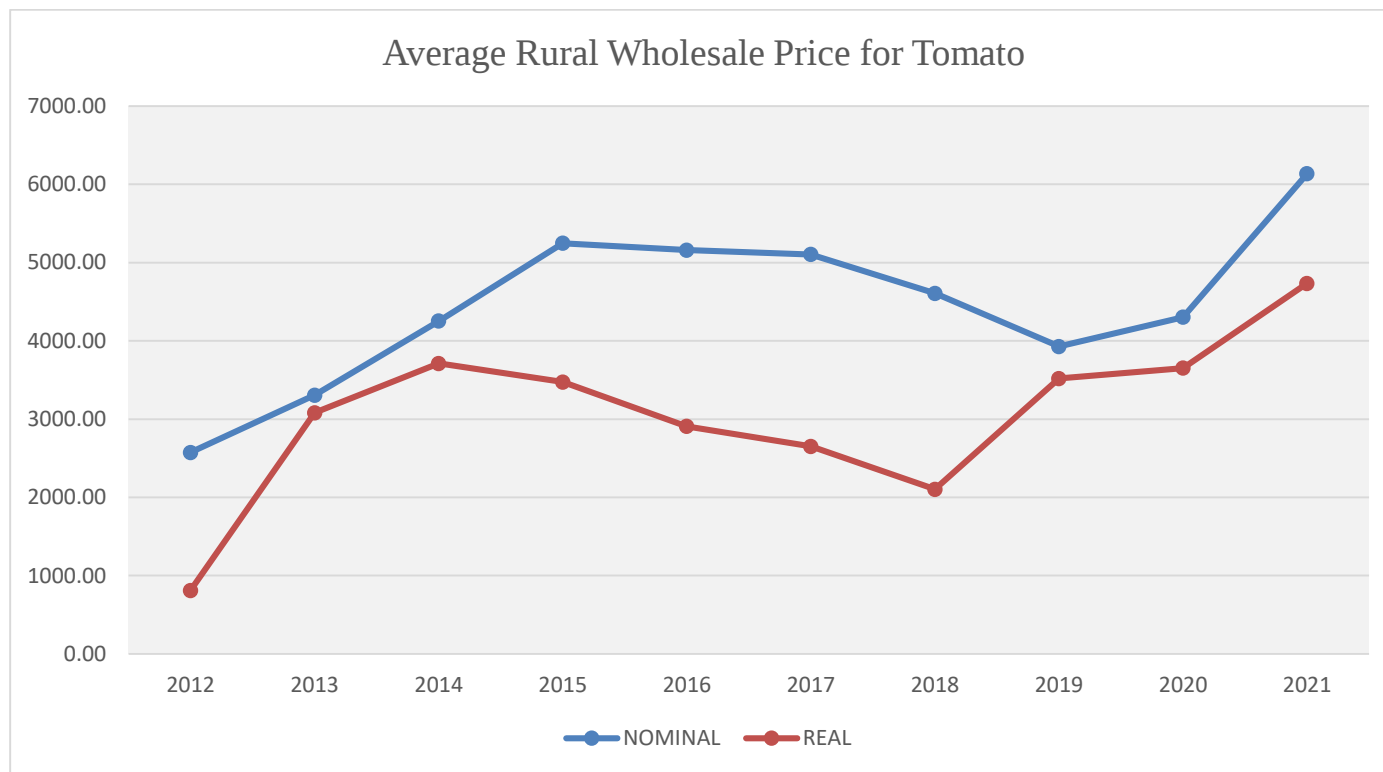
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 9: AVERAGE RURAL WHOLESALE PRICE FOR GROUNDNUT



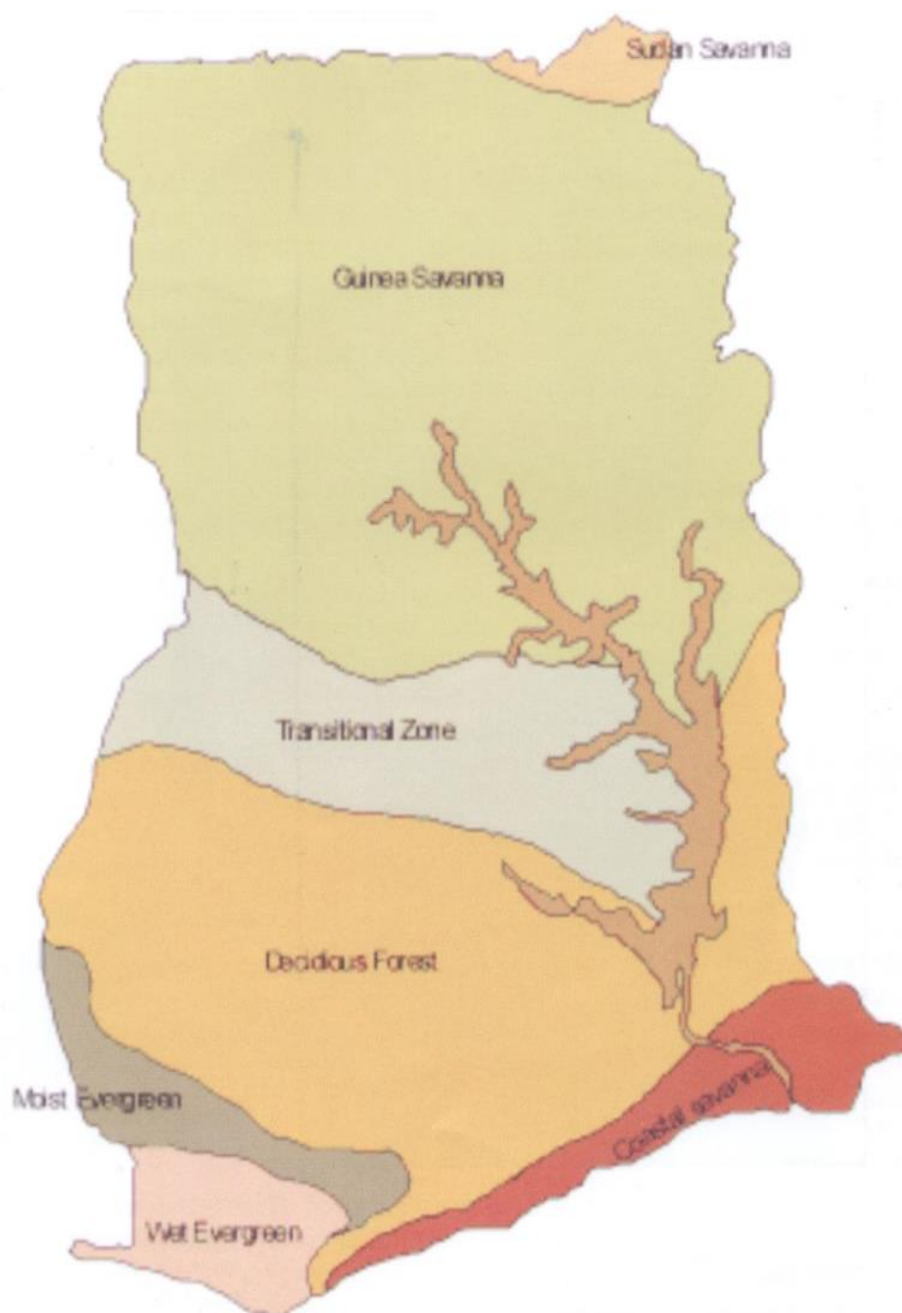
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 10: AVERAGE RURAL WHOLESALE PRICE FOR TOMATO



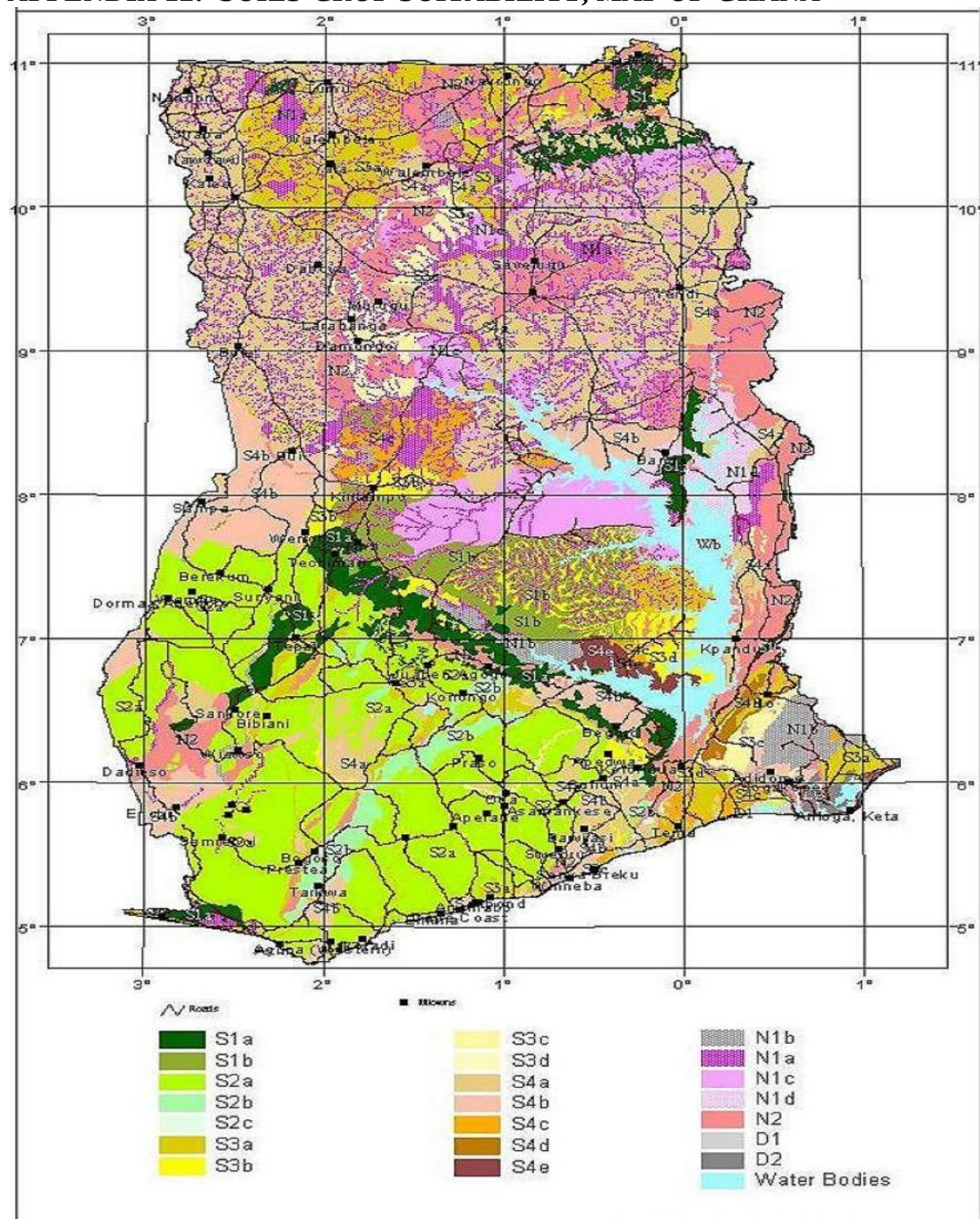
SOURCE: A REBASED CPI WITH 2012 CONSTANT PRICES

APPENDIX 11: AGRO-ECOLOGICAL ZONES IN GHANA



SOURCE: GHANA STRATEGIC INVESTMENT FRAMEWORK (GSIF) FOR SUSTAINABLE LAND MANAGEMENT (SLM) 2011 – 2015, JUNE 2011.

APPENDIX 12: SOILS-CROP SUITABILITY, MAP OF GHANA



SOURCE: CSIR-SOIL RESEARCH INSTITUTE, ACCRA CENTRE

LEGEND

S1 Highly suitable areas for extensive mechanized cultivation of export and food crops, (cashew nut, sunflower, pineapples, maize corn, guinea corn, soybean, cassava, yam, cocoyam, plantain, beans etc.).

S1a Highly suitable soils, non-gravelly medium to moderately heavy textured. Suitable for cocoa, coffee, black pepper, sweet berry, ginger, citrus, cocoyam, banana, rice, sugarcane, and vegetables.

- S1b Have same characteristics as S1a above but are situated in Savanna-transition vegetation zone. These areas are suitable for soybean, maize, yams, guinea corn, millet, and groundnuts.
- S2 Suitable areas for extensive mechanical cultivation of export and food crops.
- S2a Crop suitability same as S1. Limitation to crop production may be due to gravelly subsoil horizons.
- S2b Crop suitability same as S2a above. Limitation to crop production may be due to either light or heavy textured soils.
- S3 Fairly suitable areas for the cultivation of crops such as maize, cassava, vegetables etc.
- S3a May consist of heavy plastic clays mostly imperfectly to poorly drained soils good for mechanized irrigation of rice, sugarcane, vegetables, maize, and millet.
- S3b Mostly alluvial soils suitable for maize, guinea corn and vegetables.
- S3c Includes gravelly and moderately shallow soils. Could be hand cultivated for cassava, vegetables, and maize.
- S4 Fairly to marginally suitable areas for the cultivation of crops.
- S4a Consist of gravelly, moderately shallow to shallow, imperfectly drained soils. Limited to hand cultivation of cassava, citrus, palm oil and mangoes. Soils may occur on upland or undulating of very steep slopes. Problem of soil erosion is predominant.
- S4b Soil may be imperfectly drained sands to loamy sands developed over beach sand or may have clay pan beneath the topsoil. Sandy areas may be used for groundnut and tiger nut cultivation.
- S4d Soils are mainly loose sands developed on coastal sand dunes. Suitable for coconut cultivation. May be mixed with organic manure for vegetable cultivation as in Anloga areas.
- N1 Unsuitable areas for upland arable and tree crops.
- N1a Predominantly poor to very poorly drained soils, which may be developed for rice, sugarcane, and vegetables.
- N1b Terrace derived alluvial soils, which are dominated by rounded pebbles rendering them unsuitable for mechanized agriculture. May be suitable for maize, cassava, and pepper cultivation.
- N1c Terrace derived soils, which contain surface pebbles and an indurated subsoil horizon. Soils may be left to prevailing grass vegetation for rough grazing of livestock.
- N1d Soils dominated by ground water laterites rendering them imperfectly to poorly drain. May be developed for paddy rice cultivation or vegetation should be left for rough grazing by livestock.
- N2 Very unsuitable areas for crop production. Soils are very shallow, gravelly, occurring on steep to very slopes. Should be reserved for forestry, wildlife, and watershed protection.
- D Very unsuitable areas for crop production. Soils are very saline and may be utilized for mining of edible salt.

APPENDIX 13: IMPORTS OF ANIMAL FEED (MT)

ANIMAL FEED	2016	2017	2018	2019	2020	2021
FISHMEAL	228.67	848.24	N/A	2,754.00	54,629.72	8,924.3
PREMIX	1,571.64	2,017.82	15,669.71	8,701.00	N/A	6,330.8
CONCENTRATE	9,482.75	13,275.26	100,410.20	111,325.70	32,910.29	33,058.95
SOYA BEAN	38,374.75	45,329.11	292,482.20	43,498.10	64,652.40	113,978.12
BREAD FLOUR	N/A	N/A	N/A	N/A	N/A	N/A
GROUNDNUT CAKE	N/A	N/A	N/A	132	N/A	N/A
COPRA CAKE	33,472.82	N/A	N/A	N/A	N/A	N/A
MAIZE (YELLOW)	N/A	8,496.44	150,196.00	N/A	N/A	37,423.95
DRIED DISTILLERS GRAIN	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	83,130.63	69,966.87	558,758.23	166,411.00	152,192.41	199,716.12

SOURCE: ANIMAL PRODUCTION DIRECTORATE, MOFA

APPENDIX 14: CRITERIA FOR ESTIMATING DOMESTIC MEAT PRODUCTION

LIVESTOCK	OFF TAKE RATE (%)	AVERAGE LIVE WEIGHT (KG)	CARCASS RATE (%)	CARCASS WT. OF ANIMAL (KG)
CATTLE	11	250	50	125
SHEEP	30	25	60	15
GOATS	30	22	60	13
PIGS	80	60	70	42
POULTRY	80	1.3	75	1

SOURCE: SRID ESTIMATIONS

CRITERIA: MEAT PRODUCTION (MT) = (OFF TAKE RATE (%) X ESTIMATED POPULATION (TABLE 4.11) X CARCASS WEIGHT OF ANIMAL (KG))/1000

CARCASS WEIGHT = AVERAGE LIVE WEIGHT (KG) X CARCASS RATE (%)

APPENDIX 15: ANNUAL PRODUCTION OF SOME MAJOR CROPS IN GHANA ('000 MT)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
MAIZE	1,949.90	1,764.50	1,768.54	1,691.64	1,721.91	2,011.18	2,306.38	2,911.88	3,031.69	3,203.49
RICE (PADDY)	481.10	569.50	604.04	641.49	687.68	722.08	769.40	925.27	986.91	1,143.27
MILLET	179.70	155.1	155.32	157.37	159.02	163.48	181.56	230.42	223.22	187.84
SORGHUM	280.00	256.70	259.00	228.40	229.61	277.54	316.24	347.23	345.42	323.78
CASSAVA	14,547.30	15,989.90	16,523.66	17,212.76	17,798.22	19,008.73	20,845.96	22,750.39	22,964.21	24,996.78
YAM	6,638.90	7,074.60	7,118.89	7,296.12	7,440.35	7,856.90	7,788.87	8,754.35	8,800.82	10,277.73
COCOYAM	1,270.30	1,261.50	1,298.97	1,301.19	1,343.73	1,387.29	1,460.94	1,550.72	2,163.72	1,649.66
PLANTAIN	3,556.50	3,675.30	3,828.01	3,952.44	4,000.42	4,278.83	4,688.28	5,478.75	5,413.99	6,176.66
GROUNDNUT	475.10	408.80	426.63	417.2	425.83	433.77	521.03	563.29	422.26	502.30
COWPEA	223.20	200.40	201.26	203.32	206.38	211.47	237.04	253.70	263.27	299.92
SOYABEAN	151.7	138.70	141.47	142.36	143.22	170.49	176.67	193.04	202.24	217.57

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA. MULTI ROUND ANNUAL CROP & LIVESTOCK SURVEY (MRACLS), GHANA AGRICULTURAL PRODUCTION SURVEY (GAPS)

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA. MRACLS/GAP

APPENDIX 16: ANNUAL CROPPED AREA OF SOME MAJOR CROPS IN GHANA ('000 HA)

CROP	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
MAIZE	1,042.08	1,023.46	1,024.56	880.25	865.28	984.51	1,020.52	1,150.28	1,182.71	1,266.44
RICE (PADDY)	189.53	215.91	224.46	233.27	235.85	240.70	259.71	282.07	310.90	357.30
MILLET	172.47	160.74	162.35	162.24	136.92	155.66	141.65	147.92	124.06	125.31
SORGHUM	230.84	225.82	226.92	228.39	201.16	223.51	228.14	226.45	184.45	192.12
CASSAVA	868.55	875.19	888.61	916.54	879.10	916.84	977.34	1,021.25	1,013.28	1,051.45
YAM	426.34	421.58	428.01	430.20	427.22	470.33	469.69	499.62	530.33	551.36
COCOYAM	196.33	194.00	200.40	200.49	205.86	204.24	203.24	214.09	216.44	218.75
PLANTAIN	337.29	339.91	356.59	362.61	358.20	363.40	387.23	409.15	425.39	447.93
GROUNDNUT	345.19	328.94	334.53	336.45	327.38	316.31	319.68	336.85	262.29	272.64
COWPEA	168.81	161.97	165.83	162.65	146.66	153.91	156.79	169.48	172.51	179.76
SOYABEAN	85.20	84.77	86.87	86.28	86.88	102.60	102.98	112.47	121.57	125.82
TOTAL	4,062.63	4,032.27	4,099.12	3,999.37	3,870.51	4,132.02	4,266.97	4,569.63	4,543.93	4,788.88

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA. MULTI ROUND ANNUAL CROP & LIVESTOCK SURVEY (MRACLS), GHANA AGRICULTURAL PRODUCTION SURVEY (GAPS)

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA. MRACLS/GAP

APPENDIX 17: TOP FIVE MAIZE PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

MAIZE					
REGION	2019	2020	2021	AVG	RANK
ASHANTI	500,536	577,872	567,937	567,937	1
EASTERN	529,666	370,332	393,237	393,237	2
BONO	326,622	352,616	369,443	369,443	3
CENTRAL	291,663	314,224	348,240	348,240	4
BONO EAST	234,509	248,375	293,145	293,145	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 18: TOP FIVE RICE PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

RICE					
REGION	2019	2020	2021	AVG	RANK
NORTHERN	62,923	153,425	221,798	221,798	1
VOLTA	35,825	181,308	184,000	184,000	2
UPPER EAST	42,797	129,782	127,153	127,153	3
OTI	24,678	136,992	114,301	114,301	4
ASHANTI	14,986	73,442	76,269	76,269	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 19: TOP FIVE SORGHUM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

SORGHUM					
REGION	2019	2020	2021	AVG	RANK
UPPER WEST	84,865	91,740	102,929	102,929	1
UPPER EAST	57,322	101,970	71,139	71,139	2
NORTHERN	47,769	80,534	89,814	89,814	3
SAVANNA	12,059	31,549	23,397	23,397	4
NORTH EAST	14,877	22,650	21,938	21,938	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 20: TOP FIVE MILLET PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

MILLET					
REGION	2019	2020	2021	AVG	RANK
UPPER EAST	42,588	81,410	47,884	47,884	1
NORTHERN	32,985	53,745	55,501	55,501	2
UPPER WEST	48,408	41,306	46,857	46,857	3
NORTH EAST	15,143	26,599	21,215	21,215	4
SAVANNA	8,794	20,162	16,378	16,378	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 21: TOP FIVE CASSAVA PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

CASSAVA					
REGION	2019	2020	2021	AVG	RANK
EASTERN	219,629	5,927,793	6,830,349	6,830,349	1
ASHANTI	152,927	3,975,888	4,372,160	4,372,160	2
CENTRAL	150,033	3,338,905	3,540,553	3,540,553	3
BONO EAST	71,312	1,956,766	2,056,482	2,056,482	4
BONO	72,065	1,731,383	1,784,408	1,784,408	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 22: TOP FIVE YAM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

YAM					
REGION	2019	2020	2021	AVG	RANK
BONO EAST	112,416	2,471,206	2,655,601	2,655,601	1
NORTHERN	126,763	1,512,606	2,251,327	2,251,327	2
UPPER WEST	39,541	1,197,504	1,204,456	1,204,456	3
EASTERN	42,726	852,817	900,724	900,724	4
ASHANTI	40,657	760,597	819,955	819,955	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 23: TOP FIVE COCOYAM PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

COCOYAM					
REGION	2019	2020	2021	AVG	RANK
ASHANTI	67,013	482,188	504,037	504,037	1
BONO	17,975	689,661	143,627	143,627	2
WESTERN NORTH	43,108	309,637	323,032	323,032	3
EASTERN	28,122	271,022	272,702	272,702	4
AHAFO	29,160	218,319	219,313	219,313	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 24: TOP FIVE PLANTAIN PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

PLANTAIN					
REGION	2019	2020	2021	AVG	RANK
ASHANTI	112,563	1,820,840	1,936,759	1,936,759	1
WESTERN NORTH	65,488	936,951	1,011,398	1,011,398	2
EASTERN	86,165	899,568	965,537	965,537	3
AHAFO	54,574	923,920	983,920	983,920	4
WESTERN	20,677	291,943	358,275	358,275	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 25: TOP FIVE COWPEA PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

COWPEA					
REGION	2019	2020	2021	AVG	RANK
UPPER WEST	65,104	99,501	97,021	97,021	1
NORTHERN	31,179	45,362	74,686	74,686	2
UPPER EAST	24,436	35,792	35,602	35,602	3
NORTH EAST	16,167	26,942	33,819	33,819	4
SAVANNA	8,633	17,197	17,478	17,478	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 26: TOP FIVE SOYABEAN PRODUCING REGIONS IN GHANA (THREE YEAR AVERAGE)

SOYABEAN					
REGION	2019	2020	2021	AVG	RANK
NORTHERN	48,738	97,424	110,932	110,932	1
UPPER WEST	15,489	30,148	34,625	34,625	2
UPPER EAST	17,593	28,568	29,038	29,038	3
NORTH EAST	19,278	24,501	26,596	26,596	4
SAVANNA	7,685	15,922	15,114	15,114	5

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA.

APPENDIX 27: DOMESTIC MEAT PRODUCTION VRS IMPORTED MEAT (MT)

	2016	2017	2018	2019	2020	2021
DOMESTIC MEAT PRODUCTION (DMP)	157,810	164,124	168,291	175,769	183,050	179,889
IMPORTS *	132,059	189,692	241,818	177,334	192,547	36,543
TOTAL MEAT AVAILABLE (IMPORTS+DOMESTIC PRODUCTION) **	289,869	353,832	410,163	353,103	377,616	216,432
SHARE DMP (%)	54.4	46.4	41	49.78	48.48	83.12
SHARE IMPORTS (%)	45.6	53.6	59	50.22	50.99	16.88

SOURCE: STATISTICS, RESEARCH, AND INFORMATION DIRECTORATE (SRID), MOFA

*IMPORTS HERE EXCLUDE MILK AND OTHER DAIRY PRODUCTS, WHICH ON AVERAGE ACCOUNT FOR ABOUT 21% OF TOTAL MEAT AND ANIMAL PRODUCT IMPORTS

**TOTAL MEAT AVAILABLE - (DOMESTIC PRODUCTION + IMPORTS) EXCLUDES BUSH MEAT (ANIMALS IN THE WILD – E.G., GRASS CUTTER, ANTELOPE ETC.) – INCLUDES CATTLE, SHEEP, GOATS, PIGS AND POULTRY

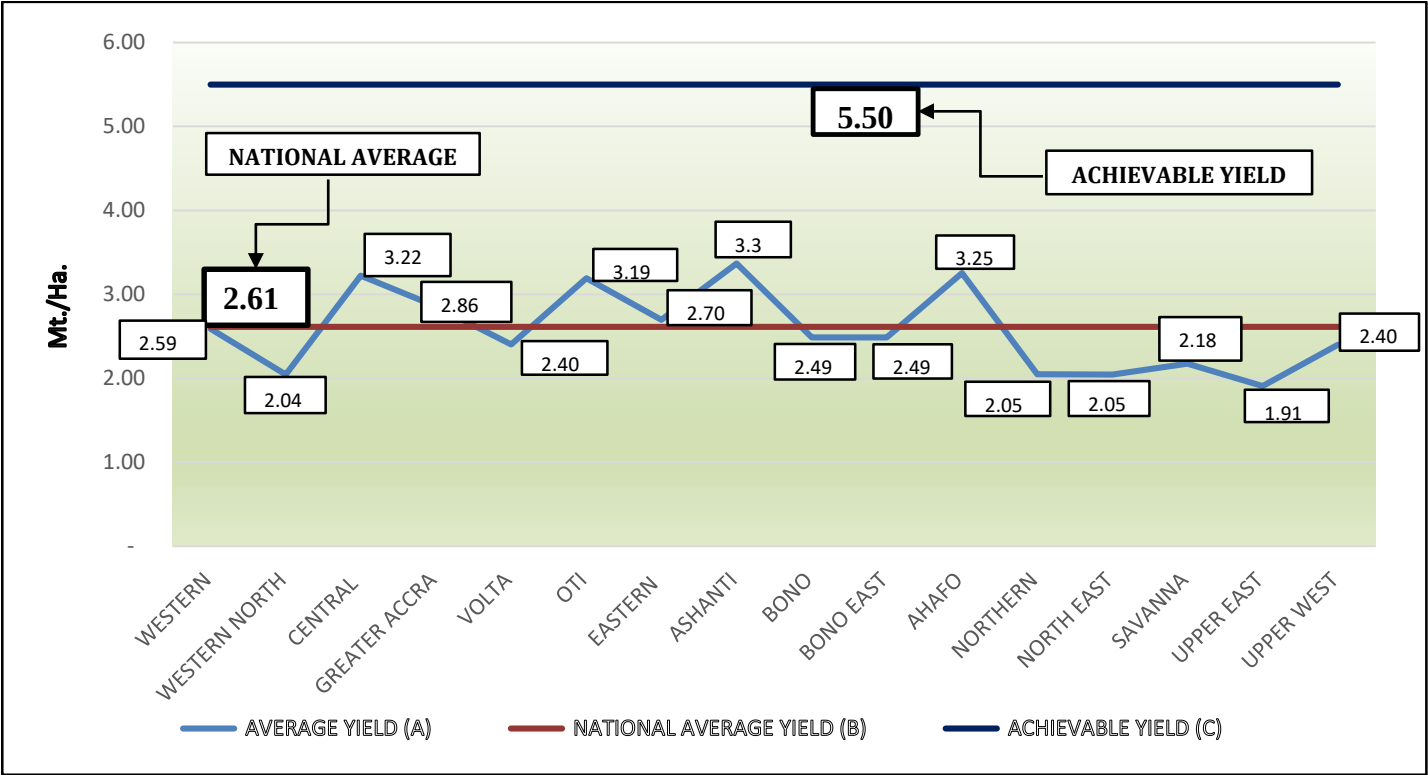
APPENDIX 28: INDUSTRY OF CURRENTLY EMPLOYED PERSONS AGED 15 AND OLDER BY LOCALITY AND SEX (%)

INDUSTRY	GHANA			URBAN			RURAL		
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES
ALL	100	100	100	100	100	100	100	100	100
AGRICULTURE, FORESTRY AND FISHING	36.60	28.80	33.00	14.80	9.50	12.30	66.40	58.40	62.90
MINING AND QUARRYING	1.90	0.20	1.10	1.60	0.20	0.90	2.20	0.30	1.40
MANUFACTURING	5.90	7.70	6.70	7.60	8.50	8.10	3.40	6.30	4.70
ELECTRICITY, GAS, STREAM AND AIR CONDITIONING SUPPLY	0.90	0.10	0.50	1.30	0.10	0.70	0.50	0.00	0.30
WATER SUPPLY, SEWERAGE, WASTE MANAGEMENT	0.20	0.10	0.10	0.30	0.10	0.20	0.10	0.00	0.10
CONSTRUCTION	9.10	0.70	5.20	11.40	0.70	6.40	5.90	0.50	3.50
WHOLESALE AND RETAIL TRADE	10.10	28.80	18.70	14.90	37.20	25.40	3.70	15.80	9.00
TRANSPORTATION AND STORAGE	9.50	0.20	5.20	12.10	0.30	6.50	5.90	0.10	3.30
ACCOMMODATION AND FOOD SERVICE ACTIVITIES	1.50	9.80	5.30	2.00	11.70	6.50	0.80	6.80	3.40
INFORMATION AND COMMUNICATION	0.70	0.20	0.50	1.10	0.30	0.80	0.20	0.00	0.10
FINANCIAL AND INSURANCE ACTIVITIES	1.60	1.30	1.50	2.30	1.90	2.20	0.50	0.40	0.50
REAL ESTATE ACTIVITIES	0.20	0.00	0.10	0.20	0.00	0.10	0.10	0.00	0.00
PROFESSIONAL, SCIENTIFIC, AND TECHNICAL ACTIVITIES	1.70	1.00	1.40	2.50	1.40	2.00	0.60	0.50	0.60
ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	0.90	0.70	0.80	1.40	1.10	1.30	0.30	0.20	0.30
PUBLIC ADMINISTRATION AND DEFENCE	2.30	0.90	1.70	3.40	1.30	2.40	0.80	0.30	0.60
EDUCATION	6.10	5.70	5.90	7.60	7.30	7.50	4.10	3.10	3.70
HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	1.90	3.40	2.60	2.70	4.60	3.60	0.90	1.50	1.20
ARTS, ENTERTAINMENT AND RECREATION	0.90	0.80	0.90	1.30	1.00	1.20	0.40	0.50	0.40
OTHER SERVICE ACTIVITIES	7.60	9.10	8.30	10.90	11.90	11.30	3.10	4.80	3.90
ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS	0.30	0.60	0.50	0.40	0.80	0.60	0.20	0.40	0.30
ACTIVITIES OF EXTRATERRITORIAL ORGANIZATIONS AND BODIES	0.00	0.00	0.00	0.10	0.00	0.10	0.00	0.00	0.00

SOURCE: GSS, GLSS 7, MAIN REPORT, DECEMBER 2021.

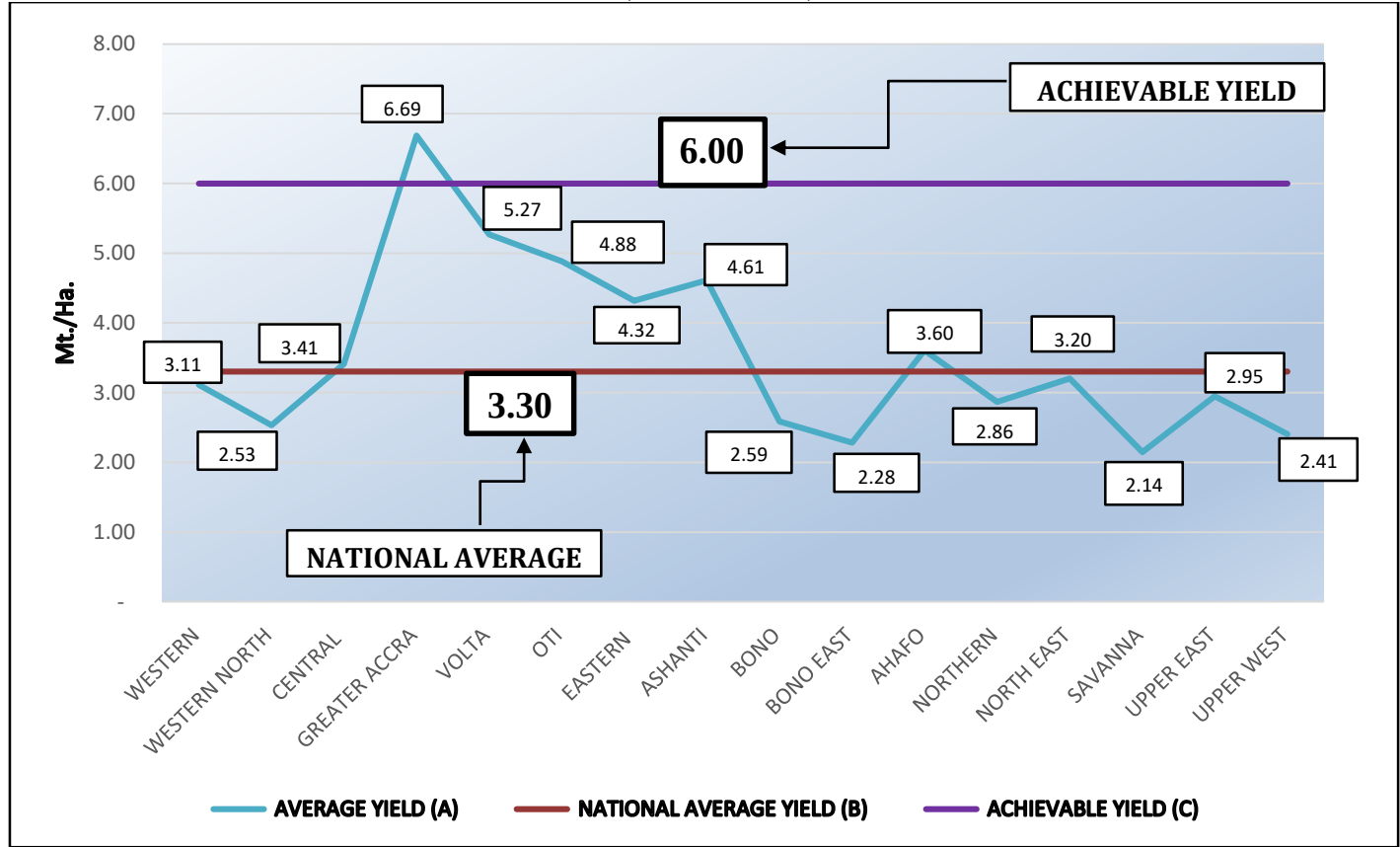
*INDUSTRY: REFERS TO TYPE OF PRODUCT PRODUCED, OR SERVICE RENDERED AT THE RESPONDENT'S PLACE OF WORK (IRRESPECTIVE OF THE OCCUPATION THE PERSON HAS).

APPENDIX 29: COMPARISON OF AVERAGE. YIELD PERFORMANCE OF MAIZE BY REGION WITH NATIONAL AVERAGE. AND ACHIEVABLE (POTENTIAL) YIELDS.



SOURCE: BASED ON TABLE 4.6

APPENDIX 30: COMPARISON OF AVERAGE. YIELD PERFORMANCE OF RICE BY REGION WITH NATIONAL AVERAGE. AND ACHIEVABLE (POTENTIAL) YIELDS .



SOURCE: BASED ON TABLE 4.6

APPENDIX 31: ADMINISTRATIVE MAP OF GHANA

