

THE ANNUAL BULLETIN OF AGRICULTURAL STATISTICS, 2018



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Introduction

The annual bulletin of agricultural statistics is published each year to meet the diverse need for a reliable reference document on agricultural production and export of cash crops statistics. The Office of the Chief Government Statistician (OCGS) and Ministry of Agriculture, Natural Resource, Livestock and Fisheries and other government Agencies collaborated in furnishing the statistics information in this bulletin.

This annual bulletin of agricultural statistics is the third publication presenting the statistics of agricultural products for the year 2018. The report intends to give an overview of agricultural sector for the year 2018 and its comparison to its previous year of 2017.

Data published in this bulletin include quantities and values of food and cash crops, fish catches, mining and forest products, number of livestock inspected and slaughtered quantity of cow milk and hen eggs.

Fish Catches

The quantity of fish caught in 2018 has reached 35,441 tons with the total value of TZS 188,011 (in million) which is an increase of 1.1 percent compared to the previous year of 2017.

Estimated Fish Catches by Species

The large quantity of fish caught by species in 2018 was goat fish (2,710.5 tones) presents 7.6 percent of the total catch, followed by surgeon fish (2,654.3 tones, 7.5percents) and Yellow fin tuna (2,636.3 tones, 7.4 percent). The species of fish caught that recorded the lowest quantity in 2018 were Octopus and Sardin with 3.1 percent each. King fish accounted for 3.4 percent of the total annual catch.

Table 1: Estimated Fish Catches and Value by Species, 2015 and 2018 (Value TZS ‘million’)

S/n	Species	2015		2016		2017		2018	
		Tons	Value	Tons	Value	Tons	Value	Tons	Value
1	Spine foot	1,114	4,855	1,243	4,570	1,252	5,491	1,300	6,783
2	Parrot fish	1,901	7,292	1,612	5,346	1,931	8,664	1,896	9,496
3	Emperors	2,324	9,188	2,396	9,958	2,422	11,347	2,574	13,459
4	Groupers	1,949	8,595	1,955	7,830	2,005	9,175	2,105	10,967
5	Goat fish	2,733	10,221	2,634	11,016	2,747	12,514	2,711	13,604
6	Surgeon fishes	2,910	10,657	2,719	10,517	2,723	11,977	2,654	12,626
7	Mulletts	1,744	7,249	1,513	5,862	1,532	6,537	1,577	8,084
8	Anchovies	2,140	8,116	2,160	7,225	2,187	9,095	2,237	9,459
9	Sardine	1,046	4,534	1,098	4,114	1,191	4,905	1,097	4,812
10	Mackerels	1,344	5,443	1,454	5,183	1,550	6,183	1,597	8,216
11	Travellys	1,546	6,372	1,600	6,029	1,623	7,261	1,601	8,359
12	Yellow fin tuna	2,670	10,009	2,599	10,699	2,612	13,051	2,636	14,001
13	Sword fish	1,659	6,691	1,691	6,980	1,701	8,321	1,746	9,210
14	King Fish	1,013	4,428	1,103	4,397	1,196	5,987	1,214	6,414
15	Barracuda	1,674	6,676	1,689	5,875	1,700	7,800	1,713	9,022
16	Sharks/Rays	1,956	7,395	1,613	5,568	1,726	7,686	1,660	8,002
17	Octopus/Squid	976	4,496	1,003	4,793	1,024	6,503	1,097	6,607
18	Lobsters	1,929	7,662	1,907	12,652	1,928	12,658	1,933	18,478
19	Others	1,476	6,006	1,905	7,540	2,007	8,946	2,097	10,414
Total		34,104	135,886	33,892	136,154	35,057	164,099	35,441	188,011

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Table 2 shows that, the highest quantity of fish caught (22.5 percent) were recorded in Mjini district with 7,985 tons valued at TZS 42,137 (in million) followed by Kaskazini A district (13.6 percent) with 4,836 tons, valued at TZS 25,705(in million) and Mkoani (13.2 percent) with 4,671tons. The lowest fish caught for the year 2018 was recorded in Kaskazini B district (2.4 percent) with total quantity of 857 tons, valued at TZS 4,471 million.

Table 2: Estimated Fish Catches (Quantity and Value) by District, 2017 and 2018
(Value TZS ‘Millions’)

District	2017		2018		Quantity Percent (2018)
	Tons	Value	Tons	Value	
Kaskazini ‘A’	4,754	22,068	4,836	25,705	13.6
Kaskazini "B"	750	3,452	857	4,471	2.4
Kati	2,610	13,634	2,786	14,711	7.9
Kusini	2,728	12,703	2,748	14,517	7.8
Mjini	8,505	39,780	7,985	42,137	22.5
Magharibi	2,686	12,414	2,738	14,423	7.7
Micheweni	3,054	14,119	3,065	16,020	8.6
Wete	2,819	13,098	2,930	15,443	8.3
Chakechake	2,693	12,444	2,824	14,959	8
Mkoani	4,458	20,387	4,671	24,706	13.2
Total	35,057	164,099	35,441	187,092	100

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Cash Crops

The quantity of cloves produced in 2018 as shown in table 3 below decreased by 92 percent compared with that produced in previous year, furthermore the quantity of cloves stem produced also decreased by 89.4 percent compared with the quantity produced in 2017. The decrease in purchase of clove for the year 2018 compared with its corresponding 2017 was associated with low production of this crop in 2018. *“The silvicultural characteristics of clove tree in Zanzibar is that once there is a bumper harvest in one year the following year will experience with low harvest” (ZSTC, Agronomist).*

Similar trend has been observed for production of seaweeds, the production of seaweed in 2018 decreased by 5.1 percent compared with the quantity produced in previous year 2017.

Table 3: Quantity and Value of Main Cash Crops Produced, 2016 to 2018 (TZS ‘000’)

Crops Type	2016		2017		2018	
	Quantity (Tons)	Value	Quantity (Tons)	Value	Quantity (Tons)	Value
Cloves	4,679	65,574,924	8,277	115,530,064	675.2	9,412,978
Clove Stem	975	974,714	1,631	1,630,478	172.8	172,814
Seaweed	11,229	4,933,900	10,981	4,417,064	10,424.9	4,358,843

Source: (i) Zanzibar State Trading Corporation (ZSTC) (ii) Ministry of Agriculture, Natural Resource, Livestock and Fisheries

Seaweed Production

Seaweed is one among the main cash crops produced in Zanzibar. However, the quantity produced in the year 2018 was lower by 5 percent (10,424.9 tons), compared with the previous year 2017. Out of the total quantity of seaweeds produced, 98.8 percent was *Eucheuma spinosum* seaweeds and 1.2 percent was *Eucheuma cottonni* (Table 4). The average price per kilogram for *Eucheuma cottonni* was TZS 1,140 and that of *Espinosiam* was TZS 418. The average price per kilogram for *Eucheuma cottonni* decreased by 16 percent as compared with its price in 2017, the price decreased from TZS 1,358 of 2017 to 1,140. Contrary, the average price per kilogram for *Espinosiam* was increased by 4.5 percent from TZS 400.0 to 418.0.

Table 4: Quantity and Value of Seaweed Production, 2016 and 2018. (TZS ‘000’)

Type of Seaweed	2016		2017		2018	
	(Ton)	Value	(Ton)	Value	(Ton)	Value
<i>Eucheuma spinosum</i>	11,114	4,932,636	10,995	4,381,764	10,296	4,211,764
<i>Eucheuma. cottonni</i>	1.15	1,264	26	35,300	129	147,080
Total	11,115.6	4,933,900	10,981	4417,064	10,425.00	4,358,843

Source: Ministry of Agriculture, Natural Resource, Livestock and Fisheries

Quantity and Value of Cloves Purchased

The quantity of cloves purchased in 2018 was 675.2 tons worth TZS 9.4 billion (Table 5), the quantity decreased by 92 percent as compared with the quantity purchased in previous year which was 8,277.2 tons valued at TZS 115.5 billion . The largest quantity of the cloves (50.2 percent) worth of TZS 4.7 billion was purchased in January followed by that purchased in February whereby 79 tons of cloves were purchased worth of TZS 1.1 billions. The lowest amount of cloves was purchased in October where only 8.4 tons of cloves were purchased valued at TZS 117.6 millions.

Table 5: Quantity and Value of Clove Purchased 2014 to 2018**(TZS Million)**

Month	2014		2015		2016		2017		2018	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
January	1,193.4	16,687.0	117.1	1,631.6	2,061.2	28,904.2	150.3	2,133.4	339.0	4,722.8
February	150.2	2,096.0	30.2	420.9	334.9	4,674.5	37.8	526.8	79.0	1,096.8
March	79.2	1,153.0	14.1	197.6	104.5	1,460.6	13.3	185.0	34.2	476.4
April	49.0	732.0	5.5	77.2	68.0	949.8	8.5	118.0	25.5	356.7
May	10.8	150.0	7.4	103.4	26.8	374.9	6.3	88.2	19.2	268.6
June	22.6	316.0	4.9	67.9	26.9	376.7	4.8	66.3	19.0	265.3
July	220.4	3,084.0	29.8	417.0	235.4	3,294.4	75.1	1,051.5	30.4	425.3
August	508.0	7,103.0	75.4	1,054.3	908.2	12,723.3	614.0	8,594.3	56.4	787.5
September	583.4	8,166.0	95.1	1,330.7	497.0	6,946.3	1,576.4	22,068.8	17.9	249.3
October	287.6	4,025.0	132.7	1,857.9	203.9	2,880.2	2,621.0	36,668.3	8.4	117.6
November	425.0	5,947.0	318.9	4,461.5	78.9	1,101.3	2,228.4	30,861.1	10.4	145.1
December	623.5	8,715.0	2,490.6	34,922.4	133.1	1,888.8	941.4	13,168.2	35.9	501.0
Total	4,152.6	58,174.1	3,321.7	46,542.2	4,678.7	65,574.9	8,277.2	115,530.1	675.2	9,413.0

Source: Zanzibar State Trading Corporation (ZSTC)

Inspected and Slaughtered Animals

The number of cattle inspected and slaughtered for the year 2018 increased by 47.1 percent compared with that of 2017. However the number of goats and chicken inspected and slaughtered in 2018 decreased by 18 percent and 52.1 percent respectively compared with that of 2017. The decrease of inspected and slaughtered chicken mainly associated with renovation of poultry slaughter house at Darajani market of which the day to day slaughtering activity was affected (Table 6).

Table 6: Number of Inspected and Slaughtered Animals, 2014 to 2018

Livestock Type	2014	2015	2016	2017	2018	%change (2017&2018)
Cattle	36,531	23,677	20,710	17,028	25,053	47.1
Goat	2,602	2,605	1,750	2,824	2,317	-18
Sheep	854	997	610	0	0	
Chicken	629,333	1,104,004	707,792	819,994	392,619	-52.1
Duck	0	70	387	1103	367	-66.7

Source: Ministry of Agriculture, Natural Resource, Livestock and Fisheries

Production of Eggs

The number of eggs produced in 2018 was 17,407,040, the number decreased 8.4 percent compared with it's number in the previous year (18,998,153 eggs). The eggs production was recorded in all districts, with the largest number of eggs produced (37.7 percent) in Magharibi A and B districts whereas jointly a total of 6,560,120 of eggs were produced, followed by Mjini district with 5,183,920 eggs (29.8 percent) and Wete district with 2,365,440 eggs (13.6 percent). The least Production was experienced in Micheweni district with the production of 27,440 eggs (0.2 percent), Mkoani with 335,440 eggs (1.9 percent) and Chakechake with 528,920 (3 percent).

The highest eggs production was observed in July with 3,944,080 eggs (22.7 percent) followed by April with 2,643,480 eggs (15.2 percent) and June with 2,198,840 eggs (12.6 percent). The least production was experienced in May and January with the production of 113,680 eggs (0.7 percent) and 180,880 (1.0 percent) respectively (Table 7).

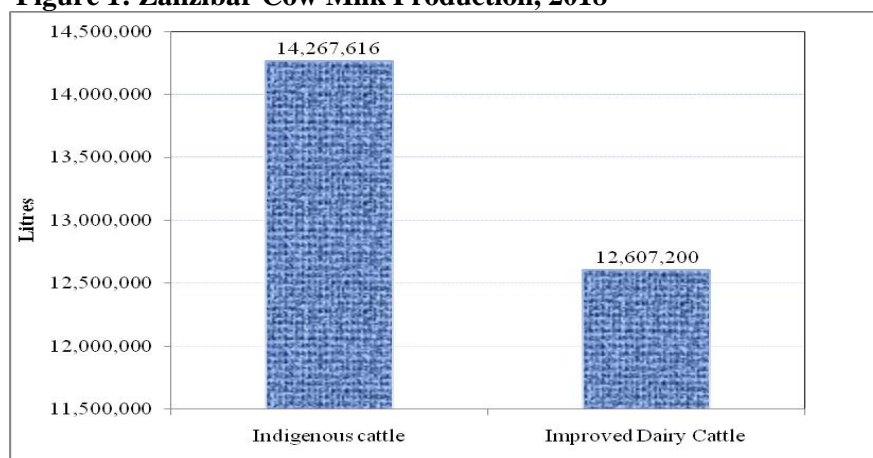
Table 7: Eggs Production (Eggs) by District, 2018**Number (100)**

District	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Kaskazini													
A	34	56	0	36	0	0	6,714	0	0	0	112	0	6,952
Kaskazini													
B	39	252	0	59	0	0	3,450	0	0	3,430	196	0	7,426
Kati	56	118	0	151	213	0	1,260	0	560	50	140	0	2,548
Kusini	34	67	210	84	0	0	3,895	0	0	42	2,800	0	7,132
Magharibi													
(A&B)	1,386	3,049	3,360	2,862	322	17,928	24,122	700	2,800	8,162	910	0	65,601
Mjini	28	3,195	0	2,766	602	4,060	0	9,817	9,100	7,532	14,739	0	51,839
Wete	140	50	2,016	20,440	0	0	0	0	0	0	0	1,008	23,654
Micheweni	0	176	0	0	0	0	0	0	0	0	0	98	274
Chakechake	42	0	0	0	0	0	0	0	0	0	0	5,247	5,289
Mkoani	50	0	0	36	0	0	0	0	0	0	0	3,268	3,354
Total	1,809	6,964	5,586	26,435	1,137	21,988	39,441	10,517	12,460	19,216	18,897	9,621	174,070

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Cow Milk Production

Data on cow milk production reveal that, a total of 26,874,816 liters of milk was reported to be produced in Zanzibar in 2018 (figure 1). Indigenous cattle produced 14,267,616 lts (53.1 percent) and improved dairy cattle and their crosses produced 12,607,200 lts (46.9 percent).

Figure 1: Zanzibar Cow Milk Production, 2018**Source:** Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Area Planted by Major Food Crops

The area used to cultivate various food crops, fruits and vegetables in 2018 was 95,021.2 acres, whereby the largest planted area (82,506.8 acres) was used for food crops production, presenting 86.8 percent of the total planted area and 13.2 percent (12,514.4 acres) was used for fruits and

vegetables production.. Out of the total area used for food crops production, 31,186.3 acres were used for paddy cultivation of which paddy with irrigation technology accounted for only five percent of the total area used for paddy production, whilst the rest was used for rain feed. The second notch is followed by area planted with cassava (26,588.9 acres) presenting 3.2 percent of the total planted area with food crops. The smallest area (194.5 acres) was used for finger millet cultivation which is equivalent to 0.2 percent of the total area.

The total area planted with cassava increased from 24,312.5 acres in 2017 to 26,588.9 acres in 2018 showing an increase of nine percent. Whilst, the area planted with paddy increased from 29,017 acres recorded in 2017 to 31186.3 acres in 2018, presenting a decrease of 7.5 percent. The area planted with banana decreased from 8,516.6 2 acres recorded in 2017 to 6,068.4 acres recorded in 2018, present a decrease of 28.7 percent. While the total area under sweat potatoes also increased to 7,511.5 acres in 2018 from 4,886.2 acres in 2017, presenting an increase of 53.7 percent. The trend further shows that, area planted with cocoyam and cow paeans decreased from 1,633.1 acres and 4,729.3 acres recorded in 2017 to 954.6 acres and 3,227.5 acres in 2018, presents a decrease of 41.6 percents and 31.8 percents respectively (Table 8).

Table 8: Area Planted (acre) by Major Food Crops, 2011 – 2018

Crops	2012	2013	2014	2015	2016	2017	2018
Maize	1,713.30	2,838.10	3,197.00	5,652.20	1,783.50	3,171.2	2960.2
Sorghum	1,274.50	593.5	609	1,425.60	458.00	763.0	333.5
Paddy	32,153.90	34,721.00	30,535.00	27,489.90	31,303.60	29,017.0	31,186.3
Cassava	32,721.10	27,995.30	27,036.00	22,596.50	22,727.80	24,312.5	26,588.9
Banana	12,241.80	8,544.70	6,679.00	6,785.00	6,448.20	8,516.6	6,068.4
Sweet potatoes	4,538.30	7,665.20	9,305.00	7,966.40	3,547.80	4,886.2	7,511.5
Yams	712.8	470.3	423	481.7	704.00	535.6	545.8
Tania	1,071.20	994.8	1,423.00	1,488.60	451.30	1,633.1	954.6
Groundnuts	848.5	1,339.30	1,322.00	1,638.60	917.20	863.0	1,322.3
Pigeon peas	198.3	205.4	222	183.6	438.00	393.8	828.1
Cowpeas/ Green grams	793.4	2,137.90	1,326.00	2,526.00	1,844.30	4,729.3	3,655.2
Figure millet	2,529.	472.3	173.5	51.0	281.5	240.3	194.5
Pumpkin	1,000.6	359.8	256.1	472.9	58.4	285.6	357.6
Total	91,796.70	88,337.60	82,506.60	78,758.00	70,963.60	79,347.20	82,506.9

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Quantity and Value of Various Food Crops Production

A total quantity of 323,163.0 tons of food crops valued at TZS 263,670 million were produced in 2018 with the highest production of cassava (48.3 percent) with the total value of TZS 100,316 (in million), followed by the production of Sweet potatoes which accounted for 16.3 percent of the total production worth of TZS 36,584 (in million) Banana production was 52,189.1 tons with the total value TZS 63,340 (in million). Paddy production was 47,507 tons of which 44,457.8 tons from rain feed and 3,049 tons from irrigation fields. The table further shows that, Sorghum have the least production of 0.1 percent of total production compared with other main food crops. Whilst, the production of Sorghum worth TZS 580 (in million).

Table 9: Quantity and Value of Various Food Crops Production, 2014 and 2018 (TZS Million)

Crop	2014		2015		2016		2017		2018	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Maize	1,599.0	985.0	2,826.0	1,793.0	892.0	566.0	1,586.0	1,158.0	1,480.1	1,163.1
Sorghum	231.0	122.0	542.0	295.0	174.0	261.0	290.0	580.0	126.7	274.5
Paddy	29,564.0	22,527.0	29,083.0	22,825.0	4,344.0	4,540.0	39,682.7	26,747.0	47,507.0	44,362.0
Cassava	158,704.0	43,485.0	132,641.0	37,434.0	133,412.0	51,097.0	142,714.0	85,172.0	156,077.0	100,315.7
Banana	57,437.0	30,672.0	47,495.0	26,124.0	55,455.0	38,097.0	73,243.0	82,179.0	52,187.8	63,340.3
Sweet potatoes	65,137.0	16,479.0	55,765.0	14,531.0	24,834.0	10,604.0	34,203.0	22,123.0	52,580.3	36,584.3
Yams	2,116.0	1,119.0	2,409.0	1,312.0	3,520.0	4,164.0	2,678.0	2,486.0	2,729.2	2,742.0
Tania	5,437.0	4,583.0	5,687.0	4,938.0	1,724.0	1,565.0	6,239.0	8,260.0	3,646.4	5,076.3
Groundnuts	635.0	851.0	787.0	1,086.0	440.0	513.0	414.0	662.0	634.7	1,151.6
Pigeon peas	717.0	518.0	593.0	441.0	1,414.0	2,829.0	1,272.0	1,921.0	2,674.9	4,386.7
Cowpeas/Green gram	663.0	470.0	1,165.0	851.0	1,047.0	2,094.0	2,479.0	3,667.0	1,784.8	2,774.0
Bulrush millet	34.7	52.1	10.2	15.3	56.3	84.5	48.1	72.1	38.9	58.4
Pumpkin	1,203.7	1,023.1	2,222.6	1,889.2	274.5	233.3	1,342.3	1,141.0	1,695.2	1,440.8
Total	323,478.4	122,886.2	281,225.80	113,534.5	227,586.8	116,647.8	306,190.4	236,168.1	323,169.2	263,669.7

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries and OCGS

Fruits and Vegetable Production

The total production of fruits and vegetables for the year 2018 was 52,669.8 tons. Whereby Watermelon production was the highest with 16,014.0 tons accounted for 30.4 percent of the total fruits and vegetable production. The second notch was occupied by pineapples (14,233.5 tones) equivalent to 27.0 percent. sweet pepper recorded the lowest production in 2018 with 850.3 tons (1.6 percent) compared with the production of other fruits and vegetables in 2018 (Table 10). However, the production of watermelon for the year 2018 decreased by 23.0 percent as compared with the production in the previous year (2017) which was 20,786.8 tons. Similar trend was observed for sweet pepper production which decreased from 1,147.0 tons recorded in 2017 to 850.3 tons, presents a decrease of 25.9 percents. The production of all other fruits and vegetables increased, whereby tomato record the highest increase of 83.4 percent (8,043.7 tons) from 4,385.3 tons recorded in 2017.

Out of the total area used for fruits and vegetables production (12,514.4 acres) in 2018, area planted with tomatoes occupied 21.4 percent of the total area which the largest compared with area planted with other fruits and vegetable, followed by area planted with pineapple (19.0 percent). The smallest planted area was occupied by papaya fruits which is 249.1acres (2.0 percent).

Table 10: Area Planted (Acre) with Fruits and Vegetable by District 2018

Type of Vegetable	District										Total Planted Area (Acre)
	Kaskazini "A"	Kaskazini "B"	Kusini	Kati	Magharibi 'A'	Magharibi 'B'	Wete	Micheweni	ChakeChake	Mkoani	
Papaya	79.6	52.	19.3	44.7	0	1.50	15.0	9.0	6.0	20.0	247.09
Pine apples	138.3	1,986.8	1.0	89.9	4.50	3.25	0	0	133.5	15.0	2,372.16
Tomatoes	401.3	364.3	104.9	294.8	90.5	207.3	772.0	61.3	352.0	33.0	2,681.22
Bitter aubergine	141.5	304.5	0.5	37.5	37.8	3.5	4.0	0	0	13.0	542.25
Egg Plant	305.3	384.0	19.8	181.6	70.3	79.0	82.0	65.8	0	27.0	1,214.65
Ocra	380.5	489.8	6.9	116.9	155.0	97.8	0	0	94.5	16.0	1,357.38
Amaranths	208.0	235.3	16.2	57.5	206.3	73.8	109.0	77.5	293.5	48.0	1,325.13
Cucumber	198.3	373.0	3.5	69.6	85.3	17.5	56.0	53.0	105.0	17.0	978.14
Watermellon	245.0	227.5	47.7	52.7	28.0	19.8	107.0	196.8	369.0	41.0	1,334.40
Sweet pepper	41.8	104.9	20.7	78.4	1.5	21.5	10.0	31.3	138.0	14.0	461.95
Total	2,139.4	4,522.1	240.5	1,023.6	679.0	524.8	1,155.0	494.5	1,491.5	244.0	12,514.4

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Table 11: Total Fruits and Vegetable Production (Ton) by District 2018

Type of Vegetable	District										Total Production (ton)
	Kaskazini "A"	Kaskazini "B"	Kusini	Kati	Magharibi 'A'	Magharibi 'B'	Wete	Micheweni	Chakechake	Mkoani	
Papaya	955.2	624.0	231.6	536.4	-	18.0	180.0	108.0	72.0	240.0	2,965.2
Pine apples	829.8	11,920.8	6.0	539.4	27.0	19.5	0	0	801.0	90.0	14,233.5
Tomatoes	1,203.9	1,092.9	314.7	884.4	271.5	621.9	2,316.0	183.9	1,056.0	99.0	8,044.2
Bitter aubergine	260.4	560.3	0.9	69.0	69.6	6.4	7.4	0	0	23.9	997.8
Egg Plant	671.7	844.8	43.6	399.5	154.7	173.8	180.4	144.8	0	59.4	2,672.6
Ocra	700.1	901.2	12.7	215.1	285.2	180.0	0	0	173.9	29.4	2,497.6
Amaranths	382.7	433.0	29.8	105.8	379.6	135.8	200.6	142.6	540.0	88.3	2,438.2
Cucumber	396.6	746.0	7.0	139.2	170.6	35.0	112.0	106.0	210.0	34.0	1,956.4
Watermelon	2,940.0	2,730.0	572.4	632.4	336.0	237.6	1,284.0	2,361.6	4,428.0	492.0	16,014.0
Sweet pepper	76.9	193.0	38.1	144.3	2.8	39.6	18.4	57.6	253.9	25.8	850.3
Total	8,417.3	20,046.0	1,256.8	3,665.5	1,696.9	1,467.5	4,298.7	3,104.5	7,534.8	1,181.8	52,669.8

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Forest Resource

The forest and woody resources play an important role in the daily livelihood of the people of Zanzibar. They are very important sources of energy for cooking, building timber, tourism, fodder, water catchments, shelters for wildlife and estuaries for fish breeding areas. The native forest area in Zanzibar is 86,182 ha; 71,068 ha in Unguja and 15,114 ha in Pemba. Intermediate coral rag vegetation is the biggest land use and land cover (LULC) class in Unguja with 35,057 ha and 22.1 percent share of the land area and in Pemba the mixture of trees and agricultural crops LULC class is largest with an area of 22,482 ha and 22.2 percent of the land area (Zanzibar Woody Biomass Survey, 2013).

The data on forest resources are collected from licensed timber cutting from government forest plantations and public land. In addition the Islands are surrounded by mangrove forest and other beach trees used in house construction. The Department of forestry and Non renewable Resources is concerned with the management of forest resources in the country.

Utilization of Forest Resources

In 2018, data on forest resources show that beam production in the country decreased by 5.3 percent (2,244.1 m³) compared with its production recorded in 2017. However, the production of building poles increased by 34.3 percent i.e. from 3,304 m³ recorded in 2017 to 4,438 m³. Similar trend was observed for medium pole production of which increased by 5.0 percent compared to its production in 2017. Production of medium poles in 2017 was 3,031 m³ and increased to 3,182 m³ in 2018. The Withes and Fire wood production also increased by 34.7 and 14.9 percents respectively compared to its production in 2017. Contrarily, the production of Charcoal in 2018 decreased from 1,957 tons to 1,880 tons presents a decrease of 3.9 percent compared with its production in 2017 (Table 12).

Table 12: Quantity and Value of Forest Products, 2014 and 2018 (Value TZS ‘000’)

Description	2015		2016		2017		2018	
	Qty	Value	Qty	Value	Qty	Value	Qty	Value
Beam (Boriti) M ³	2,325	261,239	2,457	276,084	2,369	266,152	2,244.1	252,146
Building Poles (Nguzo) M ³	3,372	477,671	3,442	48,756	3,304	46,812	4,438	62,866
Medium Poles (Mapau) M ³	3,451	224,304	3,138	203,944	3,031	196,996	3,182	206,849
Firewood (Kuni) M ³	18,573	928,667	19,532	976,613	23,114	1,155,678	26,569	1,328,428
Withes (Fito) M ³	2,830	870,738	1,742	536,046	1,716	527,945	2,311	711,138
Charcoal (Makaa) Tons	2,005	1,202,877	2,046	1,227,346	1,957	1,291,592	1,880	1,240,633

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

A total of 1,592,583 seedlings were produced in the year 2018 showing a decrease from 3,013,230 seedlings recorded in 2017, equivalent to decrease of 47.1 percent. On the contrary from the total seedlings produced in 2018, 1,021,621 seedlings were forest trees seedlings presenting 64.1 percent of the total seedlings produced, clove trees seedlings accounted for 19.7 percent of the total production. Whilst, fruits and species seedlings account for only 16.2 percent of the total seedlings produced in the country.

However, 59.6 percent of the total seedlings produced in 2018 were from private tree seedling nurseries and 40.4 percent were from Government tree seedlings nurseries. The largest quantity of seedlings produced by both government and private are forest tree seedlings. The production of Fruits and Spices was 257,601 (16.2 percent) seedlings, out of this 98.3 percent were produced from private nurseries and only 1.7 percent were from Government nurseries

Table 14: Total Clove Tree, Forest tree, Fruits and Species Seedlings Production in Government and Private Nurseries, 2015-2017

Type of Seedlings	2016			2017			2018		
	Government	Private	Total	Government	Private	Total	Government	Private	Total
Forest	873	2,129	3,002	538	2,007	2,545	452	570	1,022
Clove tree	419	18	437	194	86	280	188	125	313
Fruits & Spices	221	208	430	159	29	188	4	253	258
Total	1,513	2,355	3,868	891	2,122	3,013	644	949	1,593

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Note: Clove tree seedlings in Government nurseries are distributed freely to the farmers in respect to prior request of the farmer, whilst trees, fruit and species seedlings are distributed to the farmer with little contribution of the raising cost.

Mining and Quarry

Data on mining products shows that stone harvest for the year 2018 increased by 44.4 percent (132,434 tons) compared with its harvest recorded in 2017. Sand harvest increased by 14 percent i.e. from 832,043 tons 2017 to 948,329 tons. Similar trend had been observed for rubbles harvest which increased by 31.8 percent compared with its harvest in 2017. Production of gravels in 2017 was 58,541 tons and increased to 65,985 tons in 2018. Contrary, the production of limestone for the 2018 decreased from 93 tons to 67 tons presents a decrease of 28 percent compared with its production in 2017.

Table 15: Production of Quarry Product, 2014 – 2018

Type of Product	2014		2015		2016		2017		2018	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Stone	75,327	631	74,373	892	81,377	977	91,728	1,101	132,434	1,722
Sand	413,973	1,394	490,576	3,679	576,476	4,324	832,043	6,240	948,329	6164
Gravels	44,852	1,376	54,891	1,921	56,660	2,266	58,541	2,342	65,985	3,299
Rubbles	43,759	613	45,982	920	41,820	836	43,500	870	57,318	1,146
Limestone	147	15	106	158.3	84	126	93	140	67	101
Stone bricks	19,075	142	12,215	110	13,917	125	17,135	154	14,592	730

Source: Ministry of Agriculture, Natural Resources, Livestock and Fisheries

Office of the Chief Government Statistician, Zanzibar

Vision

The vision of the Office of the Chief Government Statistician (OCGS) is “to become a center of Excellence for statistical production and for promoting a culture of evidence-based policy and decision- making in Zanzibar”.

Mission

The mission of the OCGS is “to coordinate production of official statistics, provide high quality statistical data and information and promote their use in planning, decision-making, administration, governance, monitoring and evaluation.

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