

THE ANNUAL BULLETIN OF AGRICULTURAL STATISTICS, 2020



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Introduction

The annual bulletin of agricultural statistics is published every 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, Irrigation, Natural Resource and Livestock and other Government Agencies collaborated in furnishing the statistics information in this bulletin.

This annual bulletin of agricultural statistics is the fifth publication presenting the statistics of agricultural products for the year 2020. The report intends to give an overview of agricultural sector for the year 2020 and its comparison to its previous year of 2019.

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 animals, production of cow milk and hen eggs.

Fish Catches

The quantity of fish caught in 2020 has reached 38,107 tons with the total value of TZS 205,350.0 million which is an increase of 3.8 percent compared to the previous year of 2019.

Estimated Fish Catches by Species

The large quantity of fish type caught in 2020 was goat fish (2,915 tones) presents 7.6 percent of the total catch, followed by Surgeon fish (2,853.3 tones, 7.5 percent) and Yellow fish tuna (2,834 tones, 7.4 percent). The type of fish caught that recorded the lowest quantity in 2020 were Octopus/Squid and Sardine with 3.1 percent each. Anchovies accounted for 6.3 percent of the total annual catch. [NA1]

Table 1: Estimated Fish Catches (tons) and Value by Species, 2016 and 2020 (Value TZS ‘million’)

S/n	Species	2016		2017		2018		2019		2020	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1	Spine foot	1,243	4,570	1,252	5,491	1,300	6,783	1,313	6,870	1,398	7,408
2	Parrot fish	1,612	5,346	1,931	8,664	1,896	9,496	1,906	9,766	2,038	10,372
3	Emperors	2,396	9,958	2,422	11,347	2,574	13,459	2,623	14,162	2,767	14,700
4	Grouper	1,955	7,830	2,005	9,175	2,105	10,967	2,228	11,686	2,263	11,978
5	Goat fish	2,634	11,016	2,747	12,514	2,711	13,604	2,794	14,320	2,915	14,858
6	Surgeon fishes	2,719	10,517	2,723	11,977	2,654	12,626	2,707	13,466	2,853	13,790
7	Mullet	1,513	5,862	1,532	6,537	1,577	8,084	1,606	8,027	1,695	8,829
8	Anchovies	2,160	7,225	2,187	9,095	2,237	9,459	2,672	11,000	2,405	10,331
9	Sardine	1,098	4,114	1,191	4,905	1,097	4,812	1,158	5,255	1,179	5,256
10	Mackerels	1,454	5,183	1,550	6,183	1,597	8,216	1,608	8,243	1,717	8,974
11	Travellys	1,600	6,029	1,623	7,261	1,601	8,359	1,757	9,300	1,721	9,130
12	Yellow fin tuna	2,599	10,699	2,612	13,051	2,636	14,001	2,674	14,527	2,834	15,292
13	Sword fish	1,691	6,980	1,701	8,321	1,746	9,210	1,799	9,651	1,877	10,059
14	King Fish	1,103	4,397	1,196	5,987	1,214	6,414	1,301	6,928	1,305	7,005
15	Barracuda	1,689	5,875	1,700	7,800	1,713	9,022	1,746	8,924	1,842	9,854
16	Sharks/Rays	1,613	5,568	1,726	7,686	1,660	8,002	1,668	8,299	1,785	8,740
17	Octopus/Squid	1,003	4,793	1,024	6,503	1,097	6,607	1,107	7,019	1,179	7,216
18	Lobsters	1,907	12,652	1,928	12,658	1,933	18,478	1,944	18,622	2,078	20,182
19	Others	1,905	7,540	2,007	8,946	2,097	10,414	2,117	10,581	2,254	11,374
Total		33,892	136,154	35,057	164,099	35,441	188,011	36,728	196,647	38,107	205,350

Source: Ministry of Blue Economy and Fisheries

Table 2 below shows that, the highest quantity of fish caught (18.1 percent) were recorded in Magharibi ‘A’ district with 6,879.2 tons valued at TZS 37,057.5 million followed by Mkoani district (13 percent) with 4,964.4 tons, valued at TZS 26,666.5 million and Kaskazini ‘A’ (11.5 percent) with 4,399.7 tons valued at 23,792.6 million. The lowest fish caught for the year 2020 was recorded in Kusini district (6.8 percent) with total quantity of 2,598.0 tons, valued at TZS 14,007.6 million.

Table 2: Estimated Fish Catches (Quantity and Value) by District, 2017 to 2020
(Value TZS ‘Millions’)

District	2017		2018		2019		2020		Quantity Percentage
	tons	Value	tons	Value	tons	Value	tons	Value	
Kaskazini ‘A’	4,754	22,068	4,836	25,705	4,607.6	24,769	4,399.7	23,792.6	11.5
Kaskazini ‘B’	750	3,452	857	4,471	1,827.9	9,817	3,541.3	19,130.4	9.3
Kati	2,610	13,634	2,786	14,711	3,054.9	16,353	3,007.8	16,236.1	7.9
Kusini	2,728	12,703	2,748	14,517	2,872.1	15,407	2,598.0	14,007.6	6.8
Mjini	8,505	39,780	7,985	42,137	0.0	0	0.0	0.0	0.0
Magharibi ‘A’					7,633.2	40,776	6,879.2	37,057.5	18.1
Magharibi ‘B’	2,686	12,414	2,738	14,423	2,860.4	15,300	2,692.9	14,540.4	7.1
Micheweni	3,054	14,119	3,065	16,020	3,325.3	17,785	3,433.9	18,482.9	9.0
Wete	2,819	13,098	2,930	15,443	2,917.6	15,603	3,056.4	16,433.7	8.0
Chakechake	2,693	12,444	2,824	14,959	3,163.2	16,951	3,533.3	19,001.9	9.3
Mkoani	4,458	20,387	4,671	24,706	4,465.8	23,887	4,964.4	26,666.5	13.0
Total	35,057	164,099	35,441	187,092	36,728.1	196,647	38,107.0	205,349.6	100.0

Source: Ministry of Blue Economy and Fisheries

Cash Crops

Clove

The quantity of cloves produced in 2020 showed increased for 82 percent as compared with the previous year. The quantity purchased increased from 1,691 ton recorded in 2019 to 3,072.1 tons recorded in 2020 value at of TZS 42,954.2 million. The largest quantity was purchased in January whereby 2,249.3 tons were purchased which is equivalent to 73.2 percent of the total quantity purchased valued at TZS 31.467.2 million. Followed by the quantity purchased in February with 381.5 ton (12.4 percent). Whilst, the lowest purchase of clove was recorded in November with 6.6 tons (0.2 percent) worth 92.4 million.

The quantity purchased of clove stem in 2020 has reached 542.3 tons with total value of TZS 813,383 thousand. The quantity increased for more than 100 percent compared to 150.8 tons recorded in the previous year of 2019.

Sea weeds

The total production of seaweed for the year 2020 was 8,967.1 tons worth 6,223.3 million, the production decreased by 7.2 percent, from 9,663.2 tons in 2019 to 8,967.1 tons in 2020. Out of the total quantity of seaweeds produced in 2020, 99 percent was *Eucheuma spinosum* seaweeds and only one percent was *Eucheuma cottonni*. The average price per kilogram for *Eucheuma cottonni* was TZS 2,372.0 and that of *Espinosiam* was TZS 679.0 only.

In general, the quantities of cloves and consequently clove stems has been fluctuating over years, reflecting to seasonality in production of the crop, while that of seaweed has been continuously decreasing since 2016 due to climatic change and other factors (Table 4).

Table 3: Quantity and Value of Clove Purchased 2016 to 2020**(Value in TZS Million)**

Month	2016		2017		2018		2019		2020	
	tons	Value	tons	Value	tons	Value	tons	Value	tons	Value
January	2,061.2	28,904.2	150.3	2,133.4	339.0	4,722.8	21.0	292.8	2249.3	31,467.2
February	334.9	4,674.5	37.8	526.8	79.0	1,096.8	6.9	95.5	381.5	5,324.8
March	104.5	1,460.6	13.3	185.0	34.2	476.4	4.2	58.5	86.2	1,212.7
April	68.0	949.8	8.5	118.0	25.5	356.7	3.8	52.3	53.7	748.3
May	26.8	374.9	6.3	88.2	19.2	268.6	3.7	52.2	38.5	537.0
June	26.9	376.7	4.8	66.3	19.0	265.3	12.4	173.7	49.8	696.0
July	235.4	3,294.4	75.1	1,051.5	30.4	425.3	175.6	2,456.0	0.0	0.0
August	908.2	12,723.3	614.0	8,594.3	56.4	787.5	257.1	3,596.5	0.0	0.0
September	497.0	6,946.3	1,576.4	22,068.8	17.9	249.3	128.6	1,797.6	160.6	2,234.6
October	203.9	2,880.2	2,621.0	36,668.3	8.4	117.6	121.9	1,706.3	45.9	641.2
November	78.9	1,101.3	2,228.4	30,861.1	10.4	145.1	120.1	1,679.1	6.6	92.4
December	133.1	1,888.8	941.4	13,168.2	35.9	501.0	835.2	11,686.6	0.0	0.0
Total	4,678.7	65,574.9	8,277.2	115,530.1	675.2	9,413.0	1,691	23,647.2	3,072.09	42,954.2

Source: Zanzibar State Trading Corporation (ZSTC)

Table 4: Quantity and Value of Main Cash Crops Produced, 2016 to 2020 (Value TZS ‘000’)

Crops Type	2016		2017		2018		2019		2020	
	Quantity (Tons)	Value	Quantity (Tons)	Value	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	1,691	23,647,196	3,072	42,954,224.0
Clove Stem	975	974,714	1,631	1,630,478	172.8	172,814	150.8	215,660	542.3	813,383
Seaweed	11,229	4,933,900	10,981	4,417,064	10,424.90	4,358,843	9,663.20	5,667,685	8,967.1	6,223,258.5

Source: (i) Zanzibar State Trading Corporation (ZSTC) (ii) Ministry of Blue Economy and Fisheries

Inspected and Slaughtered Animals

The number of cattle inspected and slaughtered for the year 2020 increased by 24 percent compared with that of 2019. The number increased from 24,057 recorded in 2019 to 29,844 in 2020. Similar trend was observed for the number of Goats and Chicken inspected and slaughtered in 2020 of which each increased for more than 100 percent compared with that of 2019. The number of goats increased from 1,958 recorded in 2019 to 7,868 in 2020. Whilst, inspected and slaughtered chicken increased from 120,288 recorded in 2019 to 709,930 in 2020. The increase of inspected and slaughtered chicken mainly associated with completed renovation of poultry slaughter house at Darajani market of which the day to day slaughtering activity return to normal (Table 5).

Table 5: Number of Inspected and Slaughtered Animals, 2014 to 2020

Livestock Type	2014	2015	2016	2017	2018	2019	2020
Cattle	36,531	23,677	20,710	17,028	25,053	24,057	29,844
Goat	2,602	2,605	1,750	2,824	2,317	1,958	7,868
Sheep	854	997	610	0	0	0	0
Chicken	629,333	1,104,004	707,792	819,994	392,619	120,288	709,930
Duck	0	70	387	1103	367	0	1,660

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

Production of Eggs

The number of eggs produced in 2020 was 12,024,496 the number decreased by 8.5 percent compared with the production in 2019 (13,146,740). The eggs production was recorded in all districts, where the largest number of eggs were produced (33.8 percent) in Kati district with 4,062,304 eggs were produced, followed by Magharibi A district with 2,661,613 eggs (22.1 percent) and Kaskazini A district with 1,144,310 eggs (9.5 percent). The least Production was experienced in Micheweni district with the production of 212,329 eggs (1.8 percent); while the production in Mjini district was 258,365 eggs equivalent to 2.1 percent of the total eggs production.

The highest eggs production was recorded in August with 1,502,919 eggs (12.5 percent of the total eggs production) followed by the production in May with 1,229,187 eggs (10.2 percent) and that of March recorded 1,096,058 eggs (9.1 percent). The least production was experienced in January and December with the production of 679,917 eggs (5.6 percent) and 745,352 (6.2 percent) respectively (Table 6).

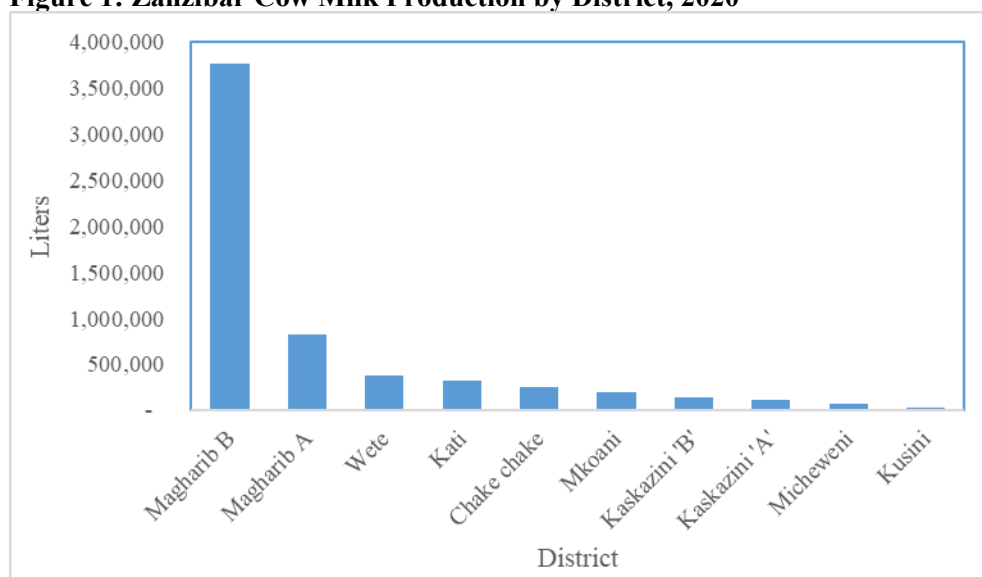
Table 6: Total Eggs Production (number) by District, 2020

District	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Kaskazini 'A'	24,020	94,900	22,900	22,500	200,500	103,050	91,590	190,500	145,200	84,500	84,850	79,800	1,144,310
Kaskazini 'B'	39,630	47,150	23,390	20,150	50,800	34,382	103,940	140,800	106,949	64,157	64,967	79,127	775,442
Kati	425,500	306,950	546,640	512,230	445,100	404,811	361,882	422,781	282,860	125,260	117,900	110,390	4,062,304
Kusini	29,820	38,840	32,300	31,010	29,290	25,146	29,528	36,902	35,951	34,825	33,027	30,006	386,645
Magharib A	17,760	283,251	268,887	214,875	262,895	191,100	218,250	352,895	228,300	228,000	207,900	187,500	2,661,613
Magharib B	52,750	37,765	42,989	40,756	37,397	82,773	57,001	127,397	73,875	85,573	83,698	79,597	801,571
Mjini	24,596	21,798	17,915	16,235	17,731	16,001	23,738	37,731	23,090	21,301	22,695	15,534	258,365
Wete	17,240	106,850	64,923	65,157	81,970	35,200	102,219	71,970	55,680	105,800	59,160	77,105	843,274
Micheweni	15,160	14,192	14,165	15,001	15,004	16,100	22,321	23,104	17,272	20,034	21,587	18,389	212,329
Chake chake	16,820	56,960	45,922	36,916	49,160	15,828	46,981	69,499	48,908	69,169	79,209	43,915	579,287
Mkoani	16,621	37,100	16,027	17,482	39,340	15,425	27,981	29,340	36,141	14,898	25,012	23,989	299,356
Total	679,917	1,045,756	1,096,058	992,312	1,229,187	939,816	1,085,431	1,502,919	1,054,226	853,517	800,005	745,352	12,024,496

Cow Milk Production

Data on cow milk production reveal that, a total of 6,113,345 litres of milk reported to be produced in Zanzibar in 2020 (figure 1). The production increased by 29.4 percent as compared with the previous year. The production increased from 4,722,956 liters recorded in 2019 to 6,113,345 liters recorded in 2020. The highest quantity of cow milk (61.5 percent) was recorded in Magharibi ‘B’ district with 3,761,725 liters followed by Magharibi ‘A’ district (13.6 percent) with 829,848 liters and Wete (6.3 percent) with 383,024 liters. The lowest cow milk production for the year 2020 was recorded in Kusini district (0.5 percent) with total quantity of 29,187 liters.

Figure 1: Zanzibar Cow Milk Production by District, 2020



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

Table 7: Milk Production (Lts) by District, 2020

District	January	February	March	April	May	June	July	August	September	October	November	December	Total
Kaskazini 'A'	1,235	6,210	10,500	9,970	11,350	10,600	10,600	9,520	9,250	12,985	13,140	12,962	118,322
Kaskazini 'B'	20,955	15,326	11,580	10,857	14,569	11,003	12,690	2,721	12,442	3,370	13,247	15,174	143,934
Kati	11,538	6,174	9,613	25,627	43,925	38,768	2,226	20,488	25,133	40,841	46,503	47,147	317,983
Kusini	5,847	1,455	2,235	2,235	1,770	2,250	2,565	2,955	2,370	2,580	2,925	0	29,187
Magharib A	76,018	545	685	75,135	74,230	77,100	103,325	79,890	88,090	86,090	85,740	83,000	829,848
Magharib B	230,067	233,288	146,614	139,948	390,225	414,178	316,621	379,558	342,642	534,964	461,436	172,184	3,761,725
Wete	43,675	44,790	44,067	47,682	42,180	29,220	33,360	16,560	24,120	24,970	17,550	14,850	383,024
Micheweni	1,835	1,835	2,216	4,400	6,660	7,120	6,690	7,790	7,810	7,802	6,900	4,847	65,905
Chakechake	24,690	25,770	22,710	20,505	20,440	23,402	23,330	25,280	23,895	20,045	12,790	16,275	259,132
Mkoani	27,420	20,925	18,705	17,430	18,915	16,905	15,705	15,705	17,805	12,255	10,965	11,550	204,285
Total	443,280	356,318	268,925	353,789	624,264	630,546	560,467	527,112	553,557	745,902	671,196	377,989	6,113,345

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

Area Planted by Major Food Crops

The area used to cultivate various food crops, fruits and vegetables in 2020 was 100,907 acres, whereby the largest planted area (87,823.6 acres) was used for food crops production, presenting 87 percent of the total planted area and 13 percent (13,083.3 acres) was used for cultivation fruits and vegetables crops. Out of the total area used for food crops production, 32,994.7 acres were used for paddy cultivation (30,412 acre used for rain feed rice and 2,582.2-acre irrigation rice) presents 37.6 of the total planted area with food crops. The second notch was followed by area planted with cassava (26,996 acres) presenting 30.7 percent. The smallest area (206.2 acres) was used for Bulrush Millet cultivation, present 0.2 percent of the total area planted with major food crops.

The total area planted with cassava decreased from 30,204.3 acres in 2019 to 26,995.7 acres in 2020 showing the decrease of 10.6 percent. Whilst, the area planted with paddy increased from 29,976 acres recorded in 2019 to 32,994.7 acres in 2020, presenting an increase of 10 percent. The area planted with banana increased from 7,595.5 acres recorded in 2019 to 7,772.1 acres recorded in 2020, presenting an increase of 2.3 percent. The total area under sweat potatoes also increased to 8,183.5 acres in 2020 from 7,713.8 acres in 2019, presenting an increase of 6.1 percent. The trend further shows that, area planted with Tania and cowpeas/green gram decreased from 1,284.1 acres and 3,831.6 acres in 2019 to 1,153 acres and 3,230.6 acres recorded in 2020, presents a decrease of 10.2 percent and 15.7 percent respectively (Table 8).

Table 8: Area Planted (acre) by Major Food Crops, 2013 – 2020

Crops	2013	2014	2015	2016	2017	2018	2019	2020
Maize	2,838.10	3,197.00	5,652.20	1,783.50	3,171.2	2,960.2	3,199.8	3,814.8
Sorghum	593.5	609	1,425.60	458.00	763.0	333.5	398.3	427.9
Paddy	34,721.00	30,535.00	27,489.90	31,303.60	29,017.0	31,186.3	29,976.0	32,994.7
Cassava	27,995.30	27,036.00	22,596.50	22,727.80	24,312.5	26,588.9	30,204.3	26,995.7
Banana	8,544.70	6,679.00	6,785.00	6,448.20	8,516.6	6,068.4	7,595.5	7,772.1
Sweet potatoes	7,665.20	9,305.00	7,966.40	3,547.80	4,886.2	7,511.5	7,713.8	8,183.5
Yams	470.3	423	481.7	704.00	535.6	545.8	613.0	582.4
Tania	994.8	1,423.00	1,488.60	451.30	1,633.1	954.6	1,284.1	1,153.0
Groundnuts	1,339.30	1,322.00	1,638.60	917.20	863.0	1,322.3	902.3	642.3
Pigeon peas	205.4	222	183.6	438.00	393.8	828.1	982.9	1,172.5
Cowpeas/ Green grams	2,137.90	1,326.00	2,526.00	1,844.30	4,729.3	3,655.2	3,831.6	3,230.6
Figure millet	472.3	173.5	51.0	281.5	240.3	194.5	267.6	206.2
Pumpkin	359.8	256.1	472.9	58.4	285.6	357.6	606.5	648.1
Total	88,337.60	82,506.60	78,758.00	70,963.60	79,347.20	82,506.9	87,575.4	87,823.6

Source: Ministry of Agriculture, Natural Resources and Livestock

Quantity and Value of Various Food Crops Production

A total of 341,079.3 tons of food crops valued at TZS 302,742.5 million were produced in 2020. The highest production was recorded from cassava crops with 158,464.9 tons (46.5 percent) with the total value of TZS 108,677.8 (in million), followed by the production of banana which accounted for 19.6 percent of the total production worth TZS 86,559 (in million) sweet potatoes production was 57,284.1 tons with the total value TZS 42,528.1 (in million). Paddy production was 40,328.1 tons with the total value TZS 40,666.2 (in million) of which 35,886.8 tons from rain feed and 4,441.3 tons from irrigation fields. The table further shows that; Bulrush millet have the least production of 0.01 percent (41.2 tons) of total production compared with other main food crops. Whilst, the production of Bulrush millet worth TZS 66.2 (in million).

Table 9: Quantity and Value of Various Food Crops Production, 2015 - 2020 (Value TZS Million)

Crop	2015		2016		2017		2018		2019		2019	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Maize	2,826.0	1,793.0	892.0	566.0	1,586.0	1,158.0	1,480.1	1,163.1	1,599.9	1,307.5	1,907.4	1,599.3
Sorghum	542.0	295.0	174.0	261.0	290.0	580.0	126.7	274.5	151.3	341.1	162.6	376.1
Paddy	29,083.0	22,825.0	4,344.0	4,540.0	39,682.7	26,747.0	47,507.0	44,362.0	46,472	45,674	40,328.1	40,666.2
Cassava	132,641.0	37,434.0	133,412.0	51,097.0	142,714.0	85,172.0	156,077.0	100,315.7	177,299.2	118,513.3	158,464.9	108,677.8
Banana	47,495.0	26,124.0	55,455.0	38,097.0	73,243.0	82,179.0	52,187.8	63,340.3	65,321.2	82,448.9	66,839.6	86,559.0
Sweet potatoes	55,765.0	14,531.0	24,834.0	10,604.0	34,203.0	22,123.0	52,580.3	36,584.3	53,996.3	39,071.6	57,284.1	42,528.4
Yams	2,409.0	1,312.0	3,520.0	4,164.0	2,678.0	2,486.0	2,729.2	2,742.0	3,065.0	3,202.0	2,911.8	3,121.0
Tania	5,687.0	4,938.0	1,724.0	1,565.0	6,239.0	8,260.0	3,646.4	5,076.3	4,905.1	7,100.0	4,404.4	6,541.0
Groundnuts	787.0	1,086.0	440.0	513.0	414.0	662.0	634.7	1,151.6	433.1	816.7	308.3	596.4
Pigeon peas	593.0	441.0	1,414.0	2,829.0	1,272.0	1,921.0	2,674.9	4,386.7	3,174.6	5,413.5	3,787.2	6,626.1
Cowpeas&green gram	1,165.0	851.0	1,047.0	2,094.0	2,479.0	3,667.0	1,784.8	2,774.0	1,859.3	3,005.02	1,567.5	2,599.2
Bulrush millet	10.2	15.3	56.3	84.5	48.1	72.1	38.9	58.4	53.5	83.7	41.2	66.2
Pumpkin	2,222.6	1,889.2	274.5	233.3	1,342.3	1,141.0	1,695.2	1,440.8	2,875.0	2,541.0	3,072.1	2,785.8
Total	281,225.8	113,534.5	227,586.8	116,647.8	306,190.4	236,168.1	323,169.2	263,669.7	361,205.3	309,518.1	341,079.3	302,742.5

Source: (ii) Ministry of Agriculture, Irrigation, Natural Resources and Livestock (ii) Office of the Chief Government Statistician

Fruits and Vegetable Production

The total production of fruits and vegetables for the year 2020 reached 54,934.8 tons. The production increased from 43,080.0 tons recorded in 2019 to 54,935 tons in 2020, present an increase of 28 percent. Water Mellon production was the highest with 15,606 tons present 28.4 percent of the total fruits and vegetable production. The second notch was occupied by Pine apple (14,301 tones) equivalent to 26 percent. Sweet pepper recorded the lowest production in 2020 compared with the production of other fruits and vegetables with 1,059 tons (2.0 percent) (Table 11). The production of tomatoes for the year 2020 increased for more than 100 percent as compared with the production in the previous year (2019). The production increased from 3,283 tons recorded in 2019 to 7,259 tons in 2020. Similar trend was observed for the production of Bitter aubergine and Okra of which increased from 568 tons in 2019 to 1,351 tons in 2020 and 1,283 tons in 2019 to 2,629 tons respectively in 2020. The lowest production for fruits and vegetables was recorded for Sweet pepper of which decreased from 1,172 tons recorded in 2019 to 1,059 tons in 2020, presenting a decrease of 10 percent.

The total area planted with fruits and vegetables also increased from 10,000.9 acres in 2019 to 13,083 acres in 2020 showing an increase of 31 percent. The area planted with tomatoes increased by 33 percent, the area increased from 1,824 acres in 2019 to 2,420 acre in 2020. Similar trend was observed for the area planted with other fruits and vegetables except for pawpaw, pineapples and sweet pepper. Planted area with pawpaw and pineapples decreased from 450 acres in 2019 to 422 acre in 2020 and 2,665 acres in 2019 to 2,384 acre in 2020, presents a decrease of 6 and 11 percent respectively. Planted area with Sweet pepper also decreased from 637 acres in 2019 to 575 acre in 2020 presents a decrease of 10 percent (Tables 10,11 and 12).

Table 10: Area Planted (Acre) with Fruits and Vegetable by District 2020

Type of Vegetable	District										Total Planted Area (Acre)
	Kaskazini "A"	Kaskazini "B"	Kusini	Kati	Magharibi 'A'	Magharibi 'B'	Wete	Micheweni	Chakechake	Mkoani	
Papaya	148.25	86	58.875	96.5	6.5	17.02	2.5	3	1.26	2	421.9
Pine apples	124.25	1961	9.75	0.75	14	5.5	3	1	187.25	77	2383.5
Tomatoes	303	404.75	139.395	577	46	204	379	127.5	113	126	2419.6
Bitter aubergine	141.25	248.25	2.875	249.2	42.5	2.25	0	0.001	0.05	48	734.4
Egg Plant	144.15	391.5	29.317	287.5	72.5	92	102	133.75	0.75	98.25	1351.7
Okra	216.15	495	13.805	339.22	133.25	111	2.25	0	64	54	1428.7
Amaranths	127.5	223.75	16.505	179.15	154	117.25	98	122.5	134	338	1510.7
Cucumber	212.25	326	3.4	95	110.5	11.25	48	50	58.5	42	956.9
Watermelon	178.75	247.75	88.745	174.75	8	27.25	157.5	169.75	135	113	1300.5
Sweet pepper	9.75	72	63.9	225.75	11.75	44.25	2.55	69.5	25	51	575.5
Total	1,605.30	4,456.00	426.567	2,224.82	599	631.77	794.8	677.001	718.81	949.25	13,083.3

Source: Ministry of Agriculture, Irrigation and Natural Resources

Table 11: Total Fruits and Vegetable Production (ton) by District 2020

Type of Vegetable	District										Total Production (ton)
	Kaskazini "A"	Kaskazini "B"	Kusini	Kati	Magharibi 'A'	Magharibi 'B'	Wete	Micheweni	Chakechake	Mkoani	
Papaya	1,779	1032.0	706.5	1158	78	204.24	30	36	15.12	24	5,063
Pine apples	746	11766.0	58.5	4.5	84	33	18	6	1123.5	462	14,301
Tomatoes	909	1214.3	418.185	1731	138	612	1137	382.5	339	378	7,259
Bitter aubergine	260	456.8	5.29	458.528	78.2	4.14	0	0.00184	0.092	88.32	1,351
Egg Plant	317	861.3	64.4974	632.5	159.5	202.4	224.4	294.25	1.65	216.15	2,974
Ocra	398	910.8	25.4012	624.1648	245.18	204.24	4.14	0	117.76	99.36	2,629
Amaranth	235	411.7	30.3692	329.636	283.36	215.74	180.32	225.4	246.56	621.92	2,780
Cucumber	425	652.0	6.8	190	221	22.5	96	100	117	84	1,914
Watermelon	2,145	2973.0	1064.94	2097	96	327	1890	2037	1620	1356	15,606
Sweet pepper	18	132.5	117.576	415.38	21.62	81.42	4.692	127.88	46	93.84	1,059
Total	7,230	20,410	2,498	7,641	1,405	1,907	3,585	3,209	3,627	3,424	54,934.8

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

Table 12: Total Planted Area (Acre) and Production (tons) of Fruits and Vegetable, 2017 - 2020

	2017		2018		2019		2020		
Type of Vegetable	Planted Area	Production	Planted Area	Production	Planted Area	Production	Planted Area	Production	Production% Change
Papaya	0.3	3	247	2,965	450	5,395	422	5,063	-6
Pine apples	75	449	2,372	14,234	2,665	15,989	2,384	14,301	-11
Tomatoes	2,436	4,387	2,681	8,044	1,824	3,283	2,420	7,259	121
Bitter aubergine	450	828	542	998	309	568	734	1,351	138
Egg Plant	892	1,644	1,215	2,673	972	1,789	1,352	2,974	66
Ocra	901	1,658	1,357	2,498	698	1,283	1,429	2,629	105
Amaranths	1,220	2,247	1,325	2,438	786	1,446	1,511	2,780	92
Cucumber	567	1,133	978	1,956	778	1,557	957	1,914	23
Watermelon	1,732	20,799	1,334	16,014	883	10,598	1,300	15,606	47
Sweet pepper	623	1,151	462	850	637	1,172	575	1,059	-10
Total	8,896	34,299	12,514	52,670	10,001	43,080	13,083	54,935	28

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.

Utilization of Forest Resources

In 2020, data on forest resources show that beam production in the country decreased by 16 percent (1,449.6 m³) compared with its production recorded in 2019 (1,721.1 m³). Similar trend was observed for fire wood production of which decreased by 15 percent compared to its production in 2019. Production of firewood in 2019 was 32,189 m³ in 2019 decreased to 27,496.2 m³. Contrarily, the production of building poles and Medium poles increased by 4 and 3 percent respectively compared to its production in 2019. The production of building poles increased from 3,115.1 m³ recorded in 2019 to 3,254.7 m³ in 2020 and Medium poles production increased from 2,790 m³ in 2019 to 2,878 m³ presenting an increase of 3 percent.

Table 13: Quantity and Value of Forest Products, 2016 - 2020 (Value TZS '000')

Description	Qty. Unit	2016		2017		2018		2019		2020	
		Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
Beam (Boriti)	M ³	2,457	276,084	2,369	266,152	2,244.1	252,146	1,721.1	19,376.4	1,449.6	171,017
Building Poles (Nguzo)	M ³	3,442	48,756	3,304	46,812	4,438	62,866	3,115.1	44,130.6	3,254.7	81,368
Medium Poles (Mapau)	M ³	3,138	203,944	3,031	196,996	3,182	206,849	2,790.0	181,343.3	2,878.0	215,850
Firewood (Kuni)	M ³	19,532	976,613	23,114	1,155,678	26,569	1,328,428	32,189.0	1,609,432.5	27,496.2	1,410,555
Withes (Fito)	M ³	1,742	536,046	1,716	527,945	2,311	711,138	2,148.6	661,120.0	1,930.4	593,969
Charcoal (Makaa)	Tons	2,046	1,227,346	1,957	1,291,592	1,880	1,240,633	1,766.2	1,165,684.1	1,808.8	1,302,314

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

Production of Forest, Fruits and Species Seedlings

A total of 755,567 seedlings were produced in the year 2020 which is lower by 44.4 percent compared with 1,359,876 seedlings recorded in 2019. From the total seedlings produced in 2020; 505,458 seedlings were forest trees seedlings presenting 67 percent of the total seedlings produced, clove tree seedlings accounted for 18 percent of the total production. Whilst, fruits and species seedlings account for only 15 percent of the total seedlings produced in the country for the year 2020.

Seedlings production from Government tree seedling nurseries accounted for 82.5 percent (623,270 seedlings) of the total annual production and only 17.5 percent (132,297 seedlings) from Private nurseries. The largest quantity of seedlings produced from both Government and Private nurseries were forest tree seedlings of which the Government nurseries account 90.8 percent of the total forest tree seedlings production and 9.2 percent from the Private nurseries (Table 14).

Table 14: Total Clove Tree, Forest tree, Fruits and Species Seedlings Production in Government and Private Nurseries, 2017-2019

Type of Seedlings	2017			2018			2019			2020		
	Government	Private	Total	Government	Private	Total	Government	Private	Total	Government	Private	Total
Forest	538	2,007	2,545	452	570	1,022	445	378	823	459	47	505
Clove tree	194	86	280	188	125	313	4	168	172	122	17	139
Fruits & Spices	159	29	188	4	253	258	117	248	365	42	69	11
Total	891	2,122	3,013	644	949	1,593	565	795	1,360	623	132	756

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

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 Production

Data on mining products shows that stone harvest for the year 2020 increased by 25.8 percent (130,230 tons) compared with the harvest recorded in 2019. Gravel and Rubbels harvest also increased by 64.6 and 82 percent respectively. i.e. from 52,440 tons and 53,718 tons in 2019 to 86,202 tons and 97,727 tons in 2020 respectively.

Contrarily, the harvest of Sand, Limestone and Stone bricks decreased by 27 percent, 26.8 percent and 64.4 percent respectively compared to its production in 2019. The harvest of Sand decreased from 639,602 ton recorded in 2019 to 466,872 tons in 2020,

Limestone decreased from 47 tons in 2019 to 34.4 tons in 2020 and Stone bricks decreased from 12,826 tons in 2019 to 4,566 tons in 2020.

Table 15: Production of Quarry Product, 2016 – 2020 Value (TZS Million)

Type of Product	2016		2017		2018		2019		2020	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Stone	81,377	977	91,728	1,101	132,434	1,722	103,513	1,242.2	130,230	1,953
Sand	576,476	4,324	832,043	6,240	948,329	6164	639,602	4,797.0	466,872	3,502
Gravels	56,660	2,266	58,541	2,342	65,985	3,299	52,440	2,097.6	86,202	4,483
Rubbles	41,820	836	43,500	870	57318	1,146	53,718	1,074.4	97,727	1,955
Limestone	84	126	93	140	67	101	47.3	71.0	34.4	86
Stone bricks	13,917	125	17,135	154	14,592	730	12,825.5	115.4	4,566	41.1

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

Vision

To become a “center of Excellence” for statistical production and for promoting a culture of evidence-based policy and decision- making in Zanzibar.

Mission

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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