

**THE AGRICULTURAL STATISTICS RELEASE, SECOND
QUARTER 2022**



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Introduction

Office of the Chief Government Statistician (OCGS) is responsible to collect, compile and disseminate official statistics from different Institutions operating under the territory of Zanzibar. This quarterly agricultural statistics release is the second publication for the year 2022 presenting the different statistics of agriculture and other related area including crops, fishing, livestock, forest, mining and quarry. This release intends to give an over view of the performance of the agriculture sector for the second quarter for the year 2022 and its comparison to the previous quarter of 2021.

Data published in this release include quantities and values of fish catches, cash crops, mining and quarry, sea weeds, forest products as well as number of inspected and slaughtered livestock and poultry.

Fish Catches

The quantity of fish caught in the second quarter 2022 was 13,596.9 tons with total value of TZS 83,319.3 million. The quantity increased by 24.0 percent to compared with the quantity caught in the corresponding quarter 2021.

The largest quantity of fish catch (18.2 percent) was recorded in Mjini district with 2,477.1 tons of fish valued at TZS 15,658.3 million with the average price of 6,321, followed by Magharibi A&B districts jointly (14.3 percent) with 1,949.7 tons, valued at TZS 12,261.3 Million with average price of TZS 6,321 per kilogram. The lowest fish catch for the second quarter 2022 was recorded in Kusini district (4.8 percent) with total quantity of 652.9 tons and value of TZS 4,126.9 million. (Table 1)

Table 1: Estimated Fish Catches (Quantity and Value) by District, Second Quarter 2020 and 2022

District	Second quarter 2020		Second quarter 2021		Second quarter 2022		
	Quantity (tones)	Value (TZS)	Quantity (tones)	Value (TZS)	Quantity (tones)	Value (TZS)	Percentage
Kaskazini A	1,223.0	6,556.5	1,627.9	10,259.7	1,181.9	7,470.9	8.7
Kaskazini B	828.8	4,426.2	1,048.9	5,226.2	1,228.1	7,762.8	9.0
Kati	740.7	3,955.1	836.1	3,916.1	1,584.9	10,018.7	11.7
Kusini	650.8	3,487.3	523.2	3,210.7	652.9	4,126.9	4.8
Mjini	1,734.6	9,240.7	1,836.7	9,816.6	2,477.1	15,658.3	18.2
Magharibi A&B	644.3	3,434.0	1,979.1	8,176.3	1,939.7	12,261.3	14.3
Micheweni	813.5	4,337.7	660.6	3,363.4	1,197.1	6,979.6	8.8
Wete	732.6	3,900.5	673.8	2,306.6	704.3	4,352.6	5.2
Chakechake	1,253.8	6,689.7	397.8	1,534.3	733.9	4,097.5	5.4
Mkoani	1,961.2	10,463.2	1,379.6	5,986.3	1,897.0	10,590.6	14.0
Total	10,583.2	56,490.9	10,963.6	53,796.0	13,596.9	83,319.3	100.0

Source: Ministry of Blue Economy and Fisheries

Cash Crops

Cash crops or profit crops are agricultural crops which are grown for sale to return a profit; they are solely cultivated for the market either local or international. In Zanzibar the leading cash crops are seaweed and clove.

Seaweed Production

The total seaweed production in the second quarter 2022 was 2,275 tons of which 2,266 tons (99.6 percent) was *E. spinosum* seaweed and 9 tons (0.4 percent) was *E. cottonii* seaweed. The quantity produced of *E. spinosum* seaweed dropped by 14.6 percent compared with the same quarter in 2021 (from 2,669 tons recorded in the second quarter 2021 to 2,275 tons in the second quarter 2022) while that of *E. cottonii* seaweed dropped by 44.8 percent compared with its corresponding quarter (from 16.3 tons produced in second quarter of 2021 to 9 tons produced in second quarter of 2022). The average price per kilogram of *E. spinosum* was TZS 600.0 and that of *E. cottonii* was TZS 1,600 (Table 2).

Table 2: Quantity and Value of Seaweed Production, Second Quarters 2020, 2021 and 2022.
(Value TZS ‘000’)

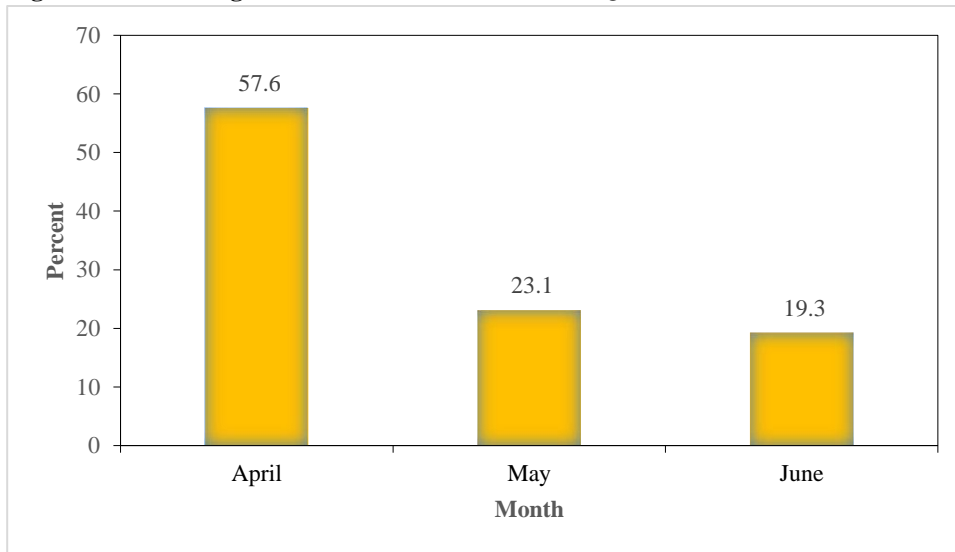
Type of Seaweeds	2020		2021		2022		Quantity % Change
	Quantity (Ton)	Value	Quantity (Ton)	Value	Quantity (Ton)	Value	
<i>Eucheuma spinosum</i>	2,382	1,517,009	2,653	1,591,692	2,266	1,359,600	-14.6
<i>Eucheuma cottonii</i>	26	61841	16.3	26,113	9	14,400	-44.8
Total	2,408	1,578,850	2,669	1,617,805	2,275	1,374,000	14.8

Source: Ministry of Blue Economy and Fisheries

Clove

The total clove purchase for the second quarter 2022 was 34.2 tons with total value of TZS 458.3 million. The largest quantity of the clove (57.6 percent) worth TZS 262.7 million was purchased in April, followed by the amount purchased in May (7.9 tons; 23.1 percent) worth of TZS 106.0 million. The lowest amount of clove was purchased in June whereby only 6.6 tons were purchased valued at TZS 89.6 million. (Figure 1.1).

Figure 1.1 Percentage of Clove Purchased – Second Quarter 2022



Inspected and Slaughtered Livestock and Poultry

The number of cattle inspected and slaughtered for beef in the second quarter 2022 was 7,320 which shows a slight decrease of one percent compared with the number of cattle inspected and slaughtered in its corresponding quarter of 2021 (7,385 heads). The number of inspected and slaughtered goats also decreased by 26.9 percent compared to its corresponding quarter of 2021, this number decreased from 2,254 goats recorded in the second quarter 2021 to 1,647 goats in the second quarter 2022. The number of inspected and slaughtered chicken for the second quarter 2022 increased tremendously from 160,390 birds to 413,591 birds in the second quarter 2022, presenting an increase of more than 100 percent (Table 5).

Table 5: Number of Inspected and Slaughtered Animals, Second Quarter 2019 to 2022

Livestock Type	Q2, 2019	Q2, 2020	Q2, 2021	Q2, 2022	%Change
Cattle	6,600	6,994	7,385	7,320	-0.9
Goat	674	1,933	2,254	1,647	-26.9
Chicken	42,686	233,331	160,390	413,591	157.9
Duck	133	762	939	541	-42.4

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

Fruits and Vegetable Production

Area planted with fruits and vegetables for the second quarter 2022 was 3,337.9 acres showing an increase of 12.7 percent compared to 2,961.1 acres planted with the same type of crops in 2021. This has also influenced the increase in total fruits and vegetable production by 18.3 percent (from 9,071.4 tons recorded in the second quarter of 2021 to 10,729.2 tons recorded in the second quarter 2022).

The total area planted with Tomatoes increased from 523.3 acre in the second quarter 2021 to 865.7 acre in the second quarter of 2022, presenting an increase of 65.4 percent increase. Area planted with Watermelon also increased from 276.3 acres in the second quarter 2021 to 331.0 acres in second quarter of 2022 (19.8 percent), and that with Egg Plant and Cucumber increased from 452.2 acres and 290.4 acres in the second quarter 2021 to 458.6 acres and 344.6 acres in the second quarter of 2022, presenting an increase of 1.4 percent and 18.7 percent respectively. Contrary area planted with Bitter aubergine decreased from 305.4 acre in the second quarter 2021 to 245.5 acre in the second quarter of 2022, presenting a decrease of 19.6 percent and that of Amaranths also decreased from 446.9 acres recorded in the second quarter 2021 to 433.0 acres in the second quarter 2022, presenting a decrease of 3.1 percent (Table 6).

Table 6: Area Planted (Acre) with Fruits and Vegetable, Estimated Production and Percentage Change - Second Quarters of 2019 – 2022

Type of Vegetable	2019		2020		2021		2022		Planted Area %Change
	Planted Area	Estimated Production	Planted Area	Estimated Production	Planted Area	Estimated Production	Planted Area	Estimated Production	
Tomatoes	510.3	1,530.8	539.1	1,617.4	523.3	1,569.8	865.7	2,597.1	65.4
Bitter aubergine	242.7	446.5	217.1	399.4	305.4	561.9	245.5	451.6	-19.6
Egg Plant	404.6	890.1	413.7	910.0	452.2	994.8	458.6	1,009.0	1.4
Ocra	363.3	668.4	395.8	728.2	473.3	870.8	483.3	889.2	2.1
Amaranths	406.8	748.4	421.0	774.6	446.9	822.3	433.0	796.7	-3.1
Cucumber	283.8	567.7	163.5	327.0	290.4	580.8	344.6	689.3	18.7
Watermelon	471.5	5,658.2	201.1	2,413.4	276.3	3,315.0	331.0	3,972.0	19.8
Sweet pepper	96.5	177.6	42.3	664.2	193.6	356.2	176.3	324.3	-9.0
Total	2,779.4	10,687.7	2,393.6	7,834.2	2,961.1	9,071.4	3,337.9	10,729.2	12.7

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

Forest Resource, Mining and Quarry

The forest wood resources, Mining and Quarry play important role in the daily livelihood of the people of Zanzibar. The Zanzibar wood resources are main sources of building materials and fuel for cooking. The data presented in this release are collected from licensed timber cutting from government forest plantations and public land. Whilst, data on Mining and Quarry such as sand, stones, gravels are collected with reference from issued permits from Ministry of Water, Energy and Minerals.

Forest Resources

In the second quarter of 2022, data on forest resources show that beams production in the country increased by 18.2 percent (from 309.5m³ produced in second quarter 2021 to 365.8m³ produced in the same quarter 2022). Contrary, the production of building poles decreased by 11.1 percent i.e. from 767.0 m³ recorded in the second quarter 2021 to 681.8 m³ in 2022. Similar trend was observed in production of Medium poles which decreased by 4.2 percent in the in the same reference period (from 745.6 m³ to 714.0 m³). Similarly, the production of fire wood also decreased by 8.5 (from 6,321.4m³ recorded in the second quarter 2021 to 5,783.7 m³ in the second quarter 2022). Withes production decreased by 9.1 percent (from 496.5 m³ to 451.1m³) and Charcoal production decreased by 3.9 percent (from 450.1 tons recorded in the second quarter 2021 to 432.7 tons in the second quarter 2022) (Table 7).

Table 7: Quantity Harvested and Value of Forest Products, Second Quarter 2019 and 2022
(Value TZS '000')

Description	2019		2020		2021		2022		Quantity % Change
	Qty	Value	Qty	Value	Qty	Value	Qty	Value	
Beam (m3)	446.3	50,146.1	367.6	43,368.5	309.5	34,775.3	365.8	41,097.8	18.2
Building Poles(m3)	850.4	12,047.3	911.9	22,797.5	767.0	25,566.7	681.8	22,725.0	-11.1
Medium Poles (m3)	566.9	36.8	739.3	55.4	745.6	59.6	714.0	57.1	-4.2
Firewood (m3)	7,764.2	388.2	8,042.5	412.6	6,321.4	442.5	5,783.7	404.9	-8.5
Withes (m3)	528.7	162,689.2	510.4	157,046.2	496.5	248,250.0	451.1	225,545.0	-9.1
Charcoal (Tons)	377.9	249.4	474.7	341.8	450.1	315.1	432.7	302.9	-3.9

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

Mining and Quarry

Mining and Quarry data discussed in this section includes harvested stones, sands, gravels, lime stone, rubbles and stone bricks. In the second quarter of 2022, some of the data on Mining and

Quarry such as Gravels, Lime Stone and Stone bricks shows a significant decrease when compared to its corresponding quarter of 2021.

The quantity of stones harvested in the second quarter 2022 was 18,831.0 tons worth TZS 282.5 million, presenting a decreased of 43.6 percent as compared with the quantity harvested in corresponding quarter of 2021 which was 33,391 tons valued at TZS 500.9 million.

The quantity of sand harvested in the second quarter 2022 increased by 27.6 percent compared with the quantity harvested in corresponding quarter 2021 (from 170,604 tons valued at TZS 1,279.5 million to 217,628.7 tons worth TZS 1,632.2 million). The largest quantity of Sand (46.5 percent) worth TZS 758.8 million was harvested in June followed by the quantity harvested in May (74,966 tons; 34.4 percent) worth TZS 562.2 million.

Quantity of gravels harvested decreased by 8.8 percent (from 15,588.0 tons worth TZS 810.6 million recorded in the second quarter 2021 to 14,213.0 tons worth TZS 739.1 million recorded in the same quarter 2022). The largest quantity of the gravels (54.0 percent) worth TZS 399.3 million was harvested in June followed by that harvested in April whereby 4,334 tons (30.5 percent) of gravels were harvested worth TZS 225.4 million. The lowest quantity of gravels was harvested in May whereby 15.5 percent of the total harvest was produced valued at TZS 114.5 million.

Similar trend was observed for rubble harvest, the quantity harvested in 2022 increased by 52.0 percent compared to the quantity produced in its corresponding quarter of 2021 (from 33,251.0 tons to 50,539.6 tons).

The largest quantity of the rubble (57.3 percent) worth TZS 579.7 million was harvested in May followed by the amount harvested in June whereby 15,885 tons (31.4 percent) of rubbles were harvested worth 317.7 million. The lowest quantity of rubbles was harvested in April (5,671 tons; 11.2 percent) valued at TZS 113.4 million.

Table 8: Quantity and Value of Mining and Quarry, Second Quarter 2019 to 2022
(Value TZS Million)

Description	2019		2020		2021		2022		Qty % Change
	Qty (tons)	Value	Qty (tons)	Value	Qty (tons)	Value	Qty (tons)	Value	
Stones	20,067.0	240.8	32,461.0	486.9	33,391.0	500.9	18,831.0	282.5	-43.6
Sands	128,716.0	965.4	116,776.0	875.8	170,604.0	1,279.5	217,628.7	1,632.2	27.6
Gravels	7,724.0	309.0	18,380.0	955.8	15,588.0	810.6	14,213.0	739.1	-8.8
Rubbles	8,618.0	172.4	26,254.0	525.1	33,251.0	665.0	50,539.6	1,010.8	52.0
Lime stone	13,107.0	19.7	6,476.0	16.2	6,599.5	16.5	6,650.0	16.6	0.8
Stone bricks	3,067.0	27.6	2,302.5	20.7	1,858.0	12.1	2,128.0	13.8	14.5

Source: (i) Ministry of Water, Energy and Minerals
(ii) Office of the Chief Government Statistician

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