

THE AGRICULTURAL STATISTICS RELEASE, FIRST QUARTER 2023

P.O Box 2321, Zanzibar,
7 Fumba Road,
71125 Mjini Magharibi,
Zanzibar - Tanzania



Simu: +255 24 224 0134
+255 24 224 0135
Baruapepe: gs@ocgs.go.tz
Tovuti: <http://www.ocgs.go.tz>

Zanzibar Official Statistics Provider

Introduction

Office of the Chief Government Statistician (OCGS) is responsible to collect, compile and disseminate data from different Institutions operating under the territory of Zanzibar. This quarterly agricultural statistics release is the first publication for the year 2023 containing statistics on agriculture production that took place in the specified time period. This report aims to give an overview of the performance of agricultural sector for the first quarter for the year 2023 in Zanzibar and its comparison to its corresponding quarter of 2022. Thus, the publication provides an insight of the country's performance and impact of different interventions carried out by the Government and other stakeholders geared towards improving the agriculture sector.

Data published in this release include production of main cash crops, mining and quarry, sea weeds, forest products, number of inspected and slaughtered livestock and fish catch.

Fish Catches

The quantity of fish caught in the first quarter 2023 was 17,554.1 tons with the total value of TZS 120,387.5 million. The quantity increased by 5.1 percent as compared with the quantity of fish caught in first quarter 2022.

Table 1 shows that, the highest quantity of fish caught (15.5 percent) was recorded in Mjini district i.e., 2,630.8 tons valued at TZS 13,539.7 million followed by Mkoani district which reported 2,720.12 tons (12.9 percent), valued at TZS 22,891.0 million. The lowest fish caught for the first quarter 2023 was recorded in Chake chake district (6.8 percent) with a total quantity of 1,190.8 tons, valued at TZS 7,724.6 million. **Table 1**

Table 1: Estimated Fish Catches Quantity (tons) and Value (TZS) by District, First Quarter 2019 and 2023
(Value TZS 'Millions)

| Year | District | Kaskazini "A" | Kaskazini "B" | Kati | Kusini | Mjini | Magharibi A&B | Micheweni | Wete | Chake chake | Mkoani | Total |
|-----------------------------|----------|------------------|------------------|-------------|-------------|------------|------------------|-------------|-------------|----------------|-------------|------------------|
| 2019 | Quantity | 1,219.7 | 215.1 | 695.9 | 675.5 | 1,959.8 | 679.8 | 808.7 | 692.1 | 671.0 | 1,206.2 | 8,823.9 |
| | Value | 6,525.3 | 1,140.4 | 3,695.6 | 3,593 | 10,408 | 3,610.8 | 4,296.0 | 3,670.9 | 3,570.1 | 6,409.4 | 46,919.4 |
| 2020 | Quantity | 1,163.6 | 802.4 | 738.5 | 697.6 | 1,746.7 | 670.6 | 862.9 | 767.1 | 775.8 | 1,001.2 | 9,226.1 |
| | Value | 6,311.2 | 4,340.8 | 3,994.8 | 3,777 | 9,376 | 3,621.0 | 4,646.6 | 4,115.2 | 4,190.1 | 5,395.3 | 49,767.4 |
| 2021 | Quantity | 2,304.3 | 2,091.8 | 774.0 | 544.4 | 1,334 | 1,120.6 | 646.8 | 800.5 | 394.0 | 1,576.1 | 11,586.6 |
| | Value | 13,889.5 | 10,307.5 | 4,147.1 | 3,214 | 7,062 | 5,028.6 | 3,127.3 | 2,989.8 | 1,330.7 | 7,010.1 | 58,106.4 |
| 2022 | Quantity | 1,563.5 | 1,376.2 | 1,551.8 | 1,891 | 2,631 | 2,125.2 | 1,657.0 | 812.7 | 939.0 | 2,160.6 | 16,707.8 |
| | Value | 8,046.7 | 7,083.1 | 7,986.5 | 9,733 | 13,539.7 | 10,937.8 | 8,528.1 | 4,182.8 | 4,832.9 | 11,119 | 85,990.5 |
| 2023 | Quantity | 1,896.7 | 1,404.3 | 1,448.1 | 1,719 | 2,720.1 | 2,190.7 | 1,508.8 | 1,318.2 | 1,190.9 | 2,157.3 | 17,554.1 |
| | Value | 14,040.8 | 10,328.0 | 9,458.2 | 9,075 | 22,891.0 | 14,305.6 | 9,892.8 | 8,501.7 | 7,724.6 | 14,170 | 120,387.5 |
| Percentage change 2022/2023 | | 21.3 | 2.0 | -6.7 | -9.1 | 3.4 | 3.1 | -8.9 | 62.2 | 26.8 | -0.2 | 5.1 |

Source: Ministry of Blue Economy and Fisheries,

Cash Crops

Cash crops are the agricultural crops which are grown for sale to return a cash profit, they are sorely cultivated for the market, it can be local or international. In Zanzibar the mean cash crops are seaweed and clove.

Seaweed Production

The total seaweed production for the first quarter 2023 was 3,692 tons with total value of TZS 3,713,012 million, this is equivalent to an increase of 2.3 percent compared to the quantity produced in the first quarter of 2022 (3,608 tons). About 99.5 percent of the seaweed produced was E.spinosium, recorded 3,673 tons with the total value of TZS 3,673,412 million while E-cottonni recorded 18.9 tons with the total value of TZS 39,600 million equivalent to 0.5 percent of the total seaweed production. The price for the E. spinosium in this quarter was TZS 1,000 per kg while that of E. cottonni was TZS 2,100 per kg. **Table 2**

Table 2: Quantity and Value of Seaweed Production, First Quarter 2019 and 2023**(Value TZS 000')**

| Type of Seaweeds | Q1 2019 | | Q1 2020 | | Q1 2021 | | Q1 2022 | | Q1 2023 | | Percentage change |
|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|-------------------|
| | Qty | Value | Qty | Value | Qty | Value | Qty | Value | Qty | Value | |
| E.Spinosum | 2,546 | 1,018,551 | 3,495 | 2,439,080 | 3,061 | 1,836,407 | 2,630 | 1,578,000 | 3,673 | 3,673,412 | 39.7 |
| E. Cottonni | 78 | 78,000 | 26 | 60,814 | 8.6 | 13,723 | 978 | 1,564,800 | 18.857 | 39,600 | -98.1 |
| Total | 2,624 | 1,096,551 | 3,521 | 2,499,894 | 3,069 | 1,850,130 | 3,608 | 3,142,800 | 3,692 | 3,713,012 | 2.3 |

Source: Ministry of Blue Economy and Fisheries

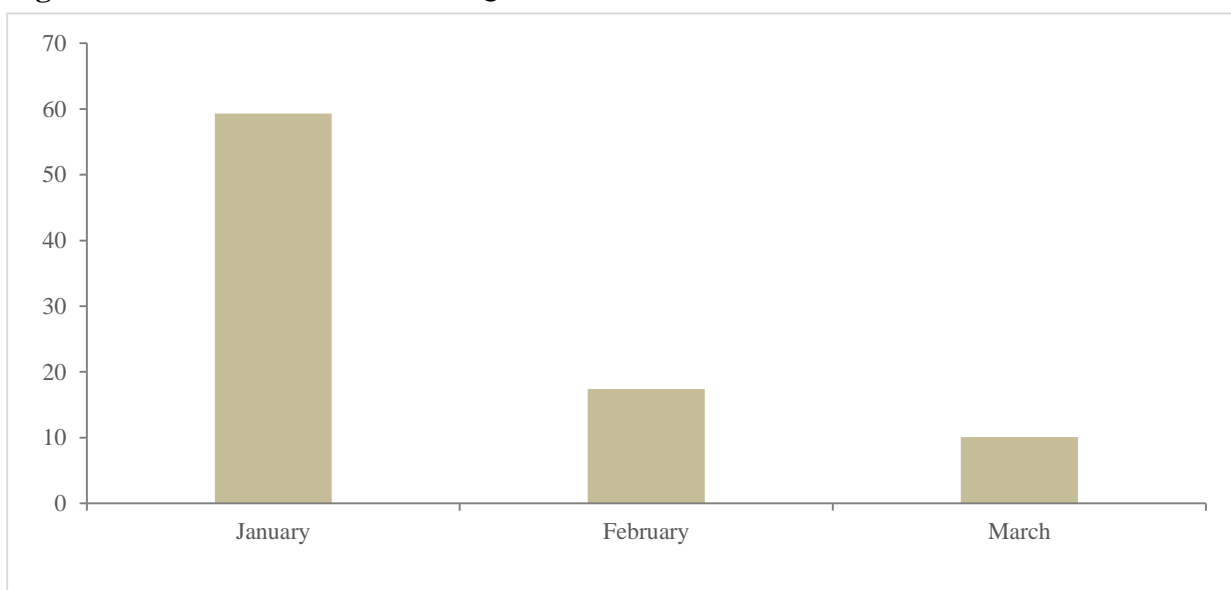
Clove

The total clove purchased for the first quarter 2023 was 86.8 tons with total value of TZS 1,196.6 million. The largest quantity of clove (68.3 percent) worth TZS 818.6 million was purchased in January followed by the quantity purchased in February (17.4 tons; 20.1 percent) worth TZS 239.9 million. While lowest amount of clove purchased was produced in March whereby only 10.1 tons were purchased with the total value of TZS 137.9 million. (**Table 3 and Figure 1.1**).

Table 3: Clove Purchase – First Quarters 2019- 2023

| Month | 2019 | | 2020 | | 2021 | | 2022 | | 2023 | | Percent age Change |
|--------------|-------------|--------------|----------------|-----------------|----------|----------|--------------|-----------------|-------------|----------------|--------------------------|
| | Qnty | Value | Qnty | Value | Qnty | Value | Qnty | Value | Qnty | Value | |
| January | 21.1 | 292.8 | 2249.3 | 31467.2 | - | - | 608.1 | 8205 | 59.3 | 818.6 | -90.25 |
| February | 6.9 | 95.5 | 381.5 | 5324.8 | - | - | 211.4 | 2845.6 | 18.6 | 255.9 | -91.77 |
| March | 4.2 | 58.5 | 86.2 | 1212.7 | - | - | 43.5 | 579.3 | 10.1 | 137.9 | -76.78 |
| Total | 32.2 | 446.8 | 2,717.0 | 38,004.7 | - | - | 863.0 | 11,629.9 | 86.8 | 1,196.4 | -89.94 |

Figure 1.1 Clove Purchase – First Quarter 2023



Source: Zanzibar State Trade Company

Slaughtered Animals

The number of cattle inspected and slaughtered for the first quarter 2023 was 7,115 heads which is an increase of 41 percent compared to the number inspected and slaughtered in its corresponding quarter of 2022. Number of goats inspected and slaughtered was 2,661 which is 79 percent higher compared to first quarter 2022. The trend is similar to chickens whereas the number inspected and slaughtered has increased from 214, 339 reported in first quarter 2022 to 244,467 chicken in the same quarter 2023, showing an increase of 14 percent. On the contrary the number of ducks inspected and slaughtered has decreased by 4.4 percent compared to first quarter 2022 i.e., from 733 ducks to 701. (Table 4).

Table 4: Number of Inspected and Slaughtered Animals, First Quarter 2017 to 2022

| Livestock Type | Q1, 2019 | Q1, 2020 | Q1, 2021 | Q1, 2022 | Q1, 2023 | Percentage change |
|----------------|----------|----------|----------|----------|----------|-------------------|
| Cattle | 4,892 | 4,692 | 5,096 | 5,043 | 7,115 | 41 |
| Goat | 609 | 270 | 1,384 | 1,483 | 2,661 | 79 |
| Chicken | 19,640 | 75,112 | 239,512 | 214,339 | 244,467 | 14 |
| Duck | 155 | 202 | 732 | 733 | 701 | -4.37 |

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

Fruits and Vegetable Production

Area planted with various fruits and vegetables for the first quarter 2023 has increased by 58.3 percent compared to the first of quarter 2022 (from 1,700.2 acres in first quarter 2022 to 2,691.1 acre). This effect has also been observed in all the fruits and vegetables presented in the table below.

Data on Area planted by type of vegetables show that, the total area planted with eggplant increased from 163.3 acres to 376.8 acres equivalent to an increase of more than 100 percent, area planted with okra increased by 93.3 percent i.e., from 184.8 acres to 357.8 acres and amaranth increased by 66 percent (from 286.9 acres in first quarter 2022 to 475.3 acres) among others. **Table 5**

Table 5: Area Planted (Acre) with Fruits and Vegetable, Estimated Production and Percentage Change - First Quarter**2019 – 2023**

| | Q1 2019 | | Q1 2020 | | Q1 2021 | | Q1 2022 | | Q1 2023 | | Percentage change |
|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-------------------|
| Type of Vegetable | Planted Area | Production (tons) | Planted Area | Production (tons) | Planted Area | Production (tons) | Planted Area | Production (tons) | Planted Area | Production (tons) | |
| Tomatoes | 286.9 | 860.6 | 503.5 | 1,510.5 | 456.0 | 1,367.90 | 498.9 | 1,496.8 | 594.5 | 1,783.4 | 19.2 |
| Bitter aubergine | 57.4 | 105.6 | 122.6 | 225.5 | 140.6 | 258.7 | 149.8 | 275.5 | 246.6 | 453.8 | 64.6 |
| Egg Plant | 163.1 | 358.9 | 275.5 | 606.0 | 326.0 | 717.2 | 163.3 | 359.2 | 376.8 | 828.9 | 130.7 |
| Okra | 222.0 | 408.5 | 344.3 | 633.5 | 338.0 | 621.9 | 184.8 | 339.9 | 357.3 | 657.3 | 93.3 |
| Amaranths | 347.5 | 639.4 | 421.0 | 774.6 | 391.1 | 719.7 | 286.3 | 526.7 | 475.3 | 874.5 | 66.0 |
| Cucumber | 216.3 | 432.5 | 258.3 | 516.5 | 217.4 | 434.8 | 154.8 | 309.5 | 199.0 | 398.0 | 28.6 |
| Watermelon | 312.5 | 3,750.0 | 432.6 | 5,191.5 | 254.3 | 3,051.0 | 169.0 | 2,028.0 | 314.0 | 3,768.0 | 85.8 |
| Sweet pepper | 77.1 | 141.9 | 117.6 | 216.3 | 139.9 | 257.4 | 93.5 | 172.0 | 127.8 | 235.1 | 36.6 |
| Total | 1,682.80 | | 2,475.20 | | 2,263.20 | | 1,700.20 | | 2,691.10 | | 58.28 |

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

Forest Resource, Mining and Quarry

The forest wood resources, Mining and Quarry play an 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. Data presented in this release are collected from licensed timber cutting from Government Forest plantations and public wood land. Whilst, data on Mining and Quarry such as sand, stones, gravels are collected with reference from issued permits from respective Institution.

Forest Resources

Data reported in first quarter of 2023, show that beams production in the country has increased by 21.5 percent (559.1m3) compared with the production recorded in the corresponding quarter of 2022 (460.2 m3) and production of charcoal increased by 27.7 percent (from 447.6 tons to 571.5 tons). On the contrary, the production of other forest products has decreased as compared to the first quarter 2022, these include production of building pole which decreased by 30.7 percent, medium pole which decreased by 15.1 percent, firewood which decreased by 3.2 percent and withes which decreased by 24.7 percent. **(Table 6).**

Table 6: Quantity and Value of Forest Products, First Quarter 2019 and 2022

| (Value TZS '000') | | | | | | | | | | | |
|---------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|-------------------|
| Description | 2019 | | 2020 | | 2021 | | 2022 | | 2023 | | Percentage change |
| | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | |
| Beam (m³) | 431.4 | 48,472.0 | 418.7 | 49,397.0 | 354.9 | 39,874.2 | 460.2 | 51,707.9 | 559.1 | 62,819.1 | 21.5 |
| Building Poles (m3) | 674.8 | 9,560.0 | 805.3 | 20,133.0 | 821.5 | 27,383.3 | 734.6 | 24,485.7 | 508.8 | 16,960.0 | -30.7 |
| Medium Poles (m³) | 799.0 | 51,935.0 | 733.2 | 54,990.0 | 707.1 | 56,568.0 | 728.5 | 58,280.0 | 618.4 | 49,472.0 | -15.1 |
| Firewood (m³) | 7,630.5 | 381,523.0 | 7,564.0 | 388,008.0 | 6,724.3 | 470,701.0 | 6,962.9 | 487,403.0 | 6,738.1 | 471,668.4 | -3.2 |
| Withes (m³) | 579.1 | 178,185.0 | 529.9 | 163,046.0 | 526.2 | 263,100.0 | 439.8 | 239,600.0 | 331.3 | 180,494.6 | -24.7 |
| Charcoal (Tons) | 458.4 | 302,513.0 | 470.5 | 338,761.0 | 464.4 | 325,108.0 | 447.6 | 346,007.2 | 571.5 | 441,795.6 | 27.7 |

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

For comments and suggestions, please contact:

Chief Government Statistician,
Office of Chief Government Statistician,
P.O. Box 2321, Zanzibar.

Tel: +255 24 2231869

Fax: +255 24 2231742

Email: zanstat@ocgs.go.tz Website: www.ocgs.go.tz