



FERTILIZER STATISTICS OVERVIEW ZAMBIA 2014 - 2022

2023 Edition

Zambia

Outline

1. Production
2. Import
3. Origins
4. NPK import analysis
5. Agric. and non-agric. Use
6. Export & Destinations
7. Consumption (app)
8. Summary

Background Information

- Overview of fertilizer statistics in Zambia from 2014 – 2022.
- Emphasis on 2022, and each analysis is based on the products with higher quantities.
- Trade data obtained from Zambia Revenue Authority (ZRA) and validated by Fertilizer Technical Working Group – Zambia.
- Data validated from 11th – 12th May, 2023.

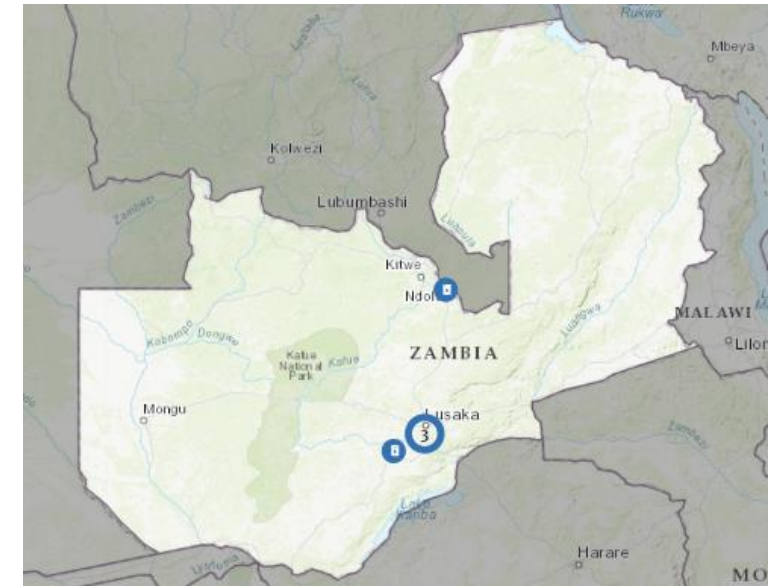
Fertilizer Production

ZAMBIA





Comments

- There is no primary production of inorganic fertilizers in Zambia.
- Fertilizers are imported in compounds and bulk. The bulk fertilizers are blended into various formulations and/or directly distributed through the FISP Tender and a network/system of distributors and retail Agro-dealers.
- Four of the major importing companies, namely Nitrogen Chemicals of Zambia in Kafue, Fertilizer Seed & Grain (FSG) Zambia in Lusaka, Zambian Fertilizers Ltd in Lusaka and United Capital Fertilizers in Lusaka have invested in blending plants that allow them to create different NPK fertilizer formulations.
- United Capital Fertilizers opened a new NPK granulation plant in Lusaka in October 2022 with the capacity to produce up to 300,000.00MT annually.
- Nitrogen Chemicals of Zambia remains the only other existing company focusing on NPK and Ammonium Nitrate with a capacity to produce up to 100,000.00MT annually.

Fertilizer Plants in Zambia



<https://viz.africafertilizer.org/#/zambia/directory>

-  Processing
-  Upcoming
-  Manufacturing
-  Organic

Fertilizer Import

ZAMBIA

Top Fertilizer Imports per Calendar Year

| HS Code | Fertilizer Name | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3105200000 | NPK | 105,025 | 85,717 | 73,589 | 190,203 | 147,394 | 251,172 | 353,459 | 230,757 | 235,530 |
| 3102100000 | Urea | 161,708 | 243,485 | 145,027 | 258,154 | 193,723 | 214,189 | 225,507 | 232,312 | 202,106 |
| 3102300000 | Ammonium Nitrate | 18,867 | 22,952 | 17,306 | 22,287 | 31,978 | 26,007 | 27,153 | 33,251 | 47,653 |
| 3105400000 | MAP | 59,500 | 59,567 | 65,339 | 31,561 | 25,983 | 19,161 | 16,355 | 23,325 | 24,781 |
| 3102210000 | Ammonium Sulphate | 55,752 | 42,126 | 44,354 | 42,634 | 14,523 | 18,367 | 16,106 | 15,870 | 24,026 |
| 3104200000 | MOP | 34,438 | 46,320 | 35,776 | 22,241 | 26,995 | 15,768 | 9,957 | 15,339 | 21,183 |
| 3105300000 | DAP | 5,113 | 10,210 | 3,274 | 3,029 | 45 | - | 25 | 12,597 | 17,325 |
| 3104300000 | SOP | 3,991 | 3,057 | 6,114 | 7,993 | 3,370 | 6,562 | 8,974 | 13,419 | 16,131 |
| | Others fertilizers | 38,426 | 27,376 | 24,650 | 38,502 | 31,539 | 31,495 | 40,392 | 33,967 | 43,795 |
| Total (mt) | | 482,820 | 540,811 | 415,428 | 616,603 | 475,550 | 582,720 | 697,928 | 610,835 | 632,529 |

*Calendar year: Jan - Dec

Top Fertilizer Imports per Crop Year

| HS Code | Fertilizer Name | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23* |
|-------------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3105200000 | NPK | 116,404 | 64,545 | 106,605 | 221,552 | 143,276 | 449,921 | 242,902 | 279,521 | 96,488 |
| 3102100000 | Urea | 241,174 | 165,905 | 208,104 | 257,063 | 166,948 | 268,745 | 221,524 | 188,582 | 126,478 |
| 3102300000 | Ammonium Nitrate | 15,360 | 26,023 | 15,907 | 33,174 | 27,012 | 24,309 | 32,818 | 57,259 | 17,021 |
| 3105400000 | MAP | 52,421 | 43,616 | 60,655 | 26,281 | 14,935 | 23,201 | 20,271 | 20,029 | 17,631 |
| 3102210000 | Ammonium Sulphate | 42,601 | 45,104 | 45,318 | 14,483 | 17,285 | 18,959 | 16,567 | 35,661 | 6,582 |
| 3104200000 | MOP | 45,842 | 34,318 | 31,853 | 19,746 | 21,294 | 15,472 | 11,670 | 31,068 | 7,026 |
| 3105300000 | DAP | 9,492 | 2,989 | 4,463 | 45 | | 25 | 9,580 | 12,872 | 12,394 |
| 3104300000 | SOP | 2,761 | 3,286 | 10,604 | 4,450 | 4,346 | 10,181 | 7,105 | 27,238 | 5,576 |
| | Others fertilizers | 27,160 | 24,305 | 37,390 | 34,348 | 27,721 | 39,038 | 40,333 | 44,381 | 18,920 |
| Total (mt) | | 553,216 | 410,090 | 520,898 | 611,141 | 422,817 | 849,851 | 602,771 | 696,610 | 308,116 |

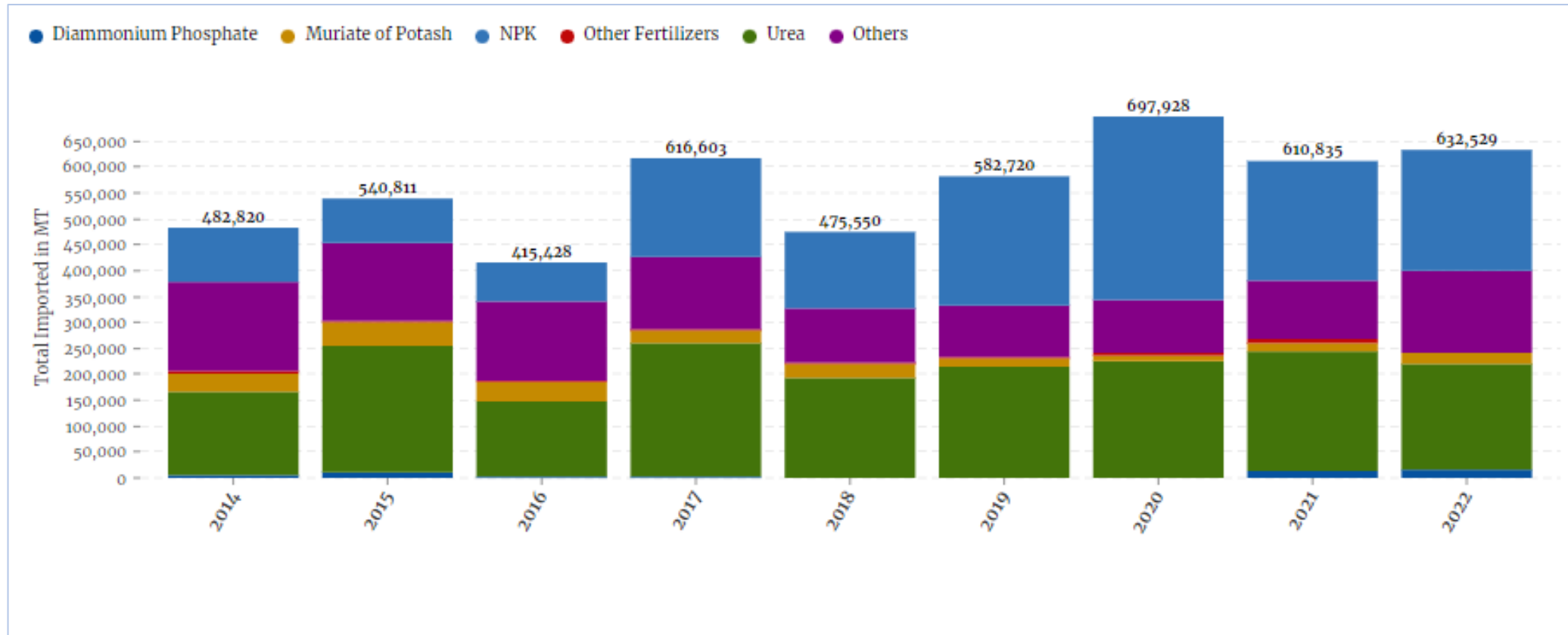
*Crop year: Oct – Sep | *2022/23 - Data from October to December 2022.

Comments

- The total Fertilizer imports for 2022 were 632,529 MT. This shows a 4% increase in Imports in 2022 compared to 2021.
- The Average Imports for Fertilizer from 2014 to 2022 are around 600,000.00 MT.
- NPK and Urea have been the most imported fertilizers into Zambia over the years. NPKs are applied as basal fertilizers while Urea is applied as a top dressing fertilizer. Some of the imported urea are used together with other products like DAP and MOP to locally blend NPKs for Zambian farmers.

Fertilizer Import on Dashboard

ZAMBIA

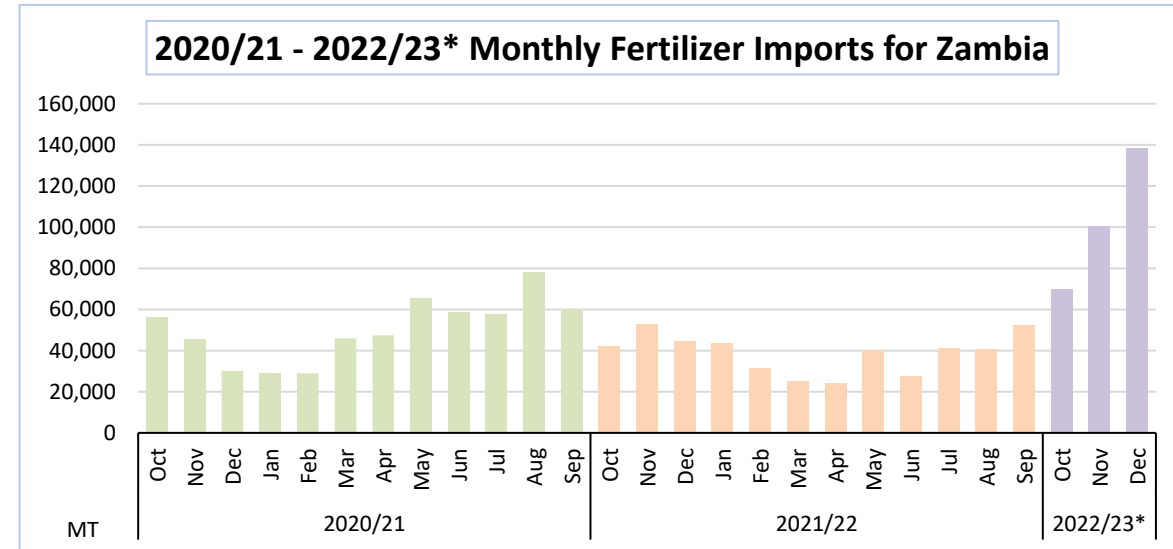


<https://viz.africafertilizer.org/#/zambia/availability>

Fertilizer Monthly Import

ZAMBIA

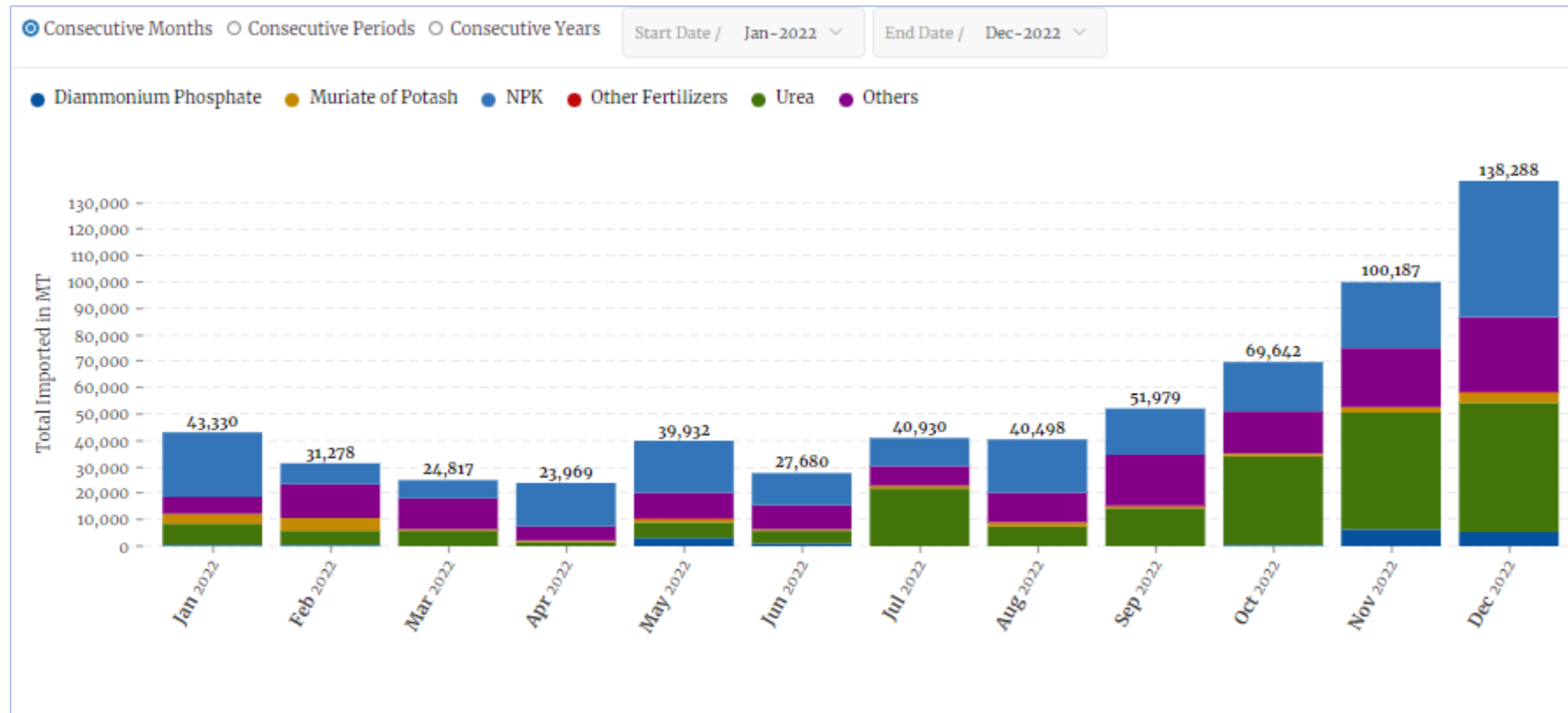
| Quarter | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Q1 | 97,354 | 139,653 | 90,528 | 179,297 | 155,901 | 55,996 | 141,387 | 103,947 | 99,425 |
| Q2 | 102,623 | 94,731 | 63,284 | 73,163 | 93,952 | 84,701 | 203,794 | 171,386 | 91,581 |
| Q3 | 112,363 | 148,352 | 98,204 | 105,026 | 102,171 | 158,594 | 221,241 | 195,931 | 133,407 |
| Q4 | 170,480 | 158,075 | 163,413 | 259,117 | 123,526 | 283,429 | 131,507 | 139,571 | 308,116 |
| Total (mt) | 482,820 | 540,811 | 415,428 | 616,603 | 475,550 | 582,720 | 697,928 | 610,835 | 632,529 |



Comments

- The beginning of the cropping season is in Q4 so the ideal time for importation of fertilizer should be Q2 and Q3.
- The majority of fertilizer imports tend to be imported in Q4 which is in the middle of the planting season and this is a worrying trend.
- December 2022 recorded the highest monthly imports of fertilizer on record with imports of 308,116.00MT.

Consecutive Months on the Dashboard ZAMBIA

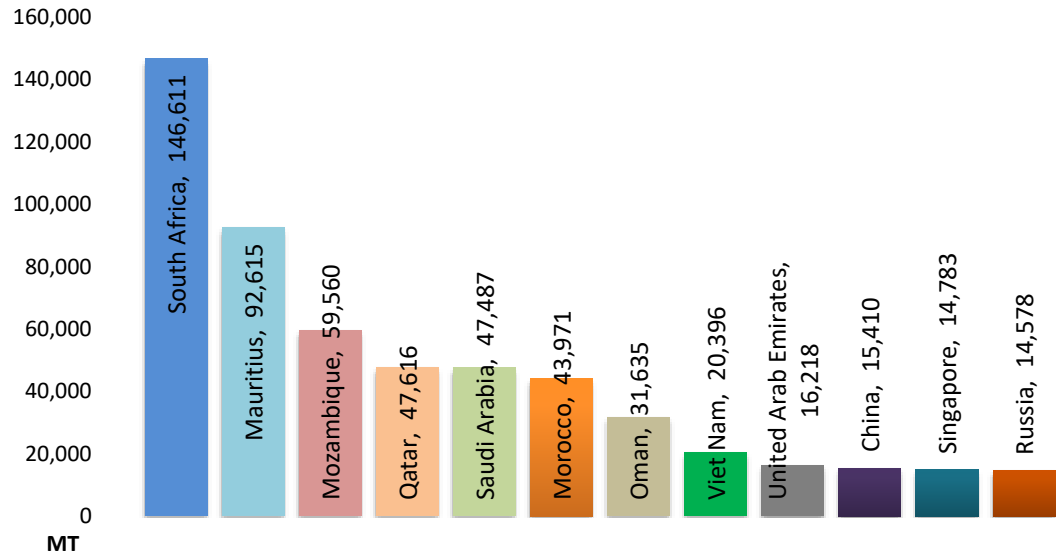


<https://viz.africafertilizer.org/#/zambia/availability>

2021 & 2022 Fertilizer Sources

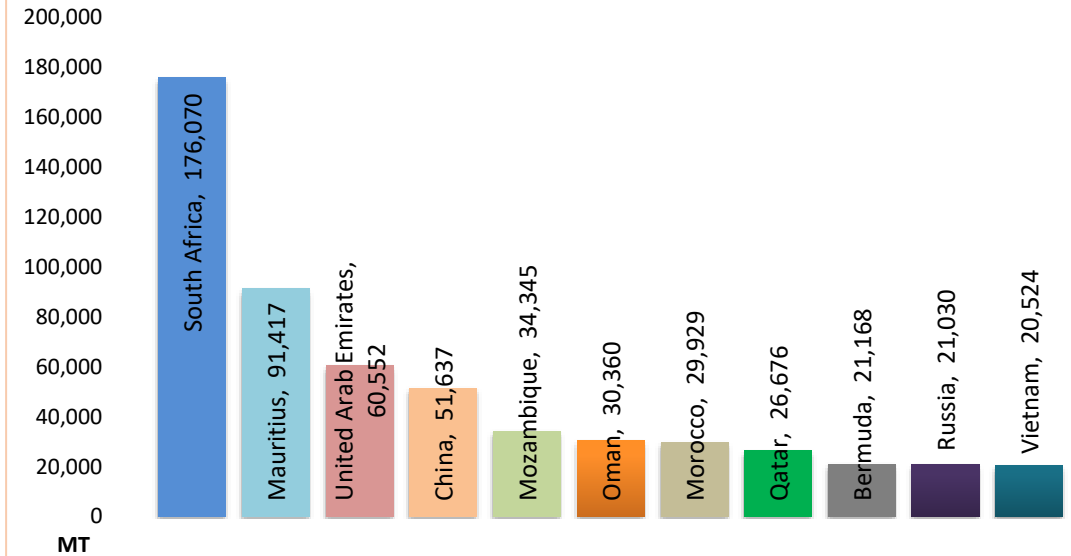
ZAMBIA

TOP FERTILIZER SOURCE COUNTRIES IN 2021



| Sources | South Africa | Mauritius | Mozambique | Qatar | Saudi Arabia | Morocco | Oman | Other Countries |
|------------------|--------------|-----------|------------|-------|--------------|---------|------|-----------------|
| NPK | 37% | 13% | 13% | - | - | 15% | 0% | 22% |
| Urea | 7% | 17% | 5% | 20% | 19% | 0% | 13% | 18% |
| Ammonium Nitrate | 38% | 1% | - | - | - | - | - | 61% |
| MAP | 3% | 36% | 2% | - | 6% | 29% | - | 24% |
| SoA | 41% | 22% | 6% | - | - | 12% | - | 18% |
| MOP | 48% | 28% | 8% | - | 3% | - | - | 13% |
| DAP | 0% | 23% | 14% | - | - | - | - | 63% |
| Others | 39% | 6% | 28% | - | 4% | - | - | 24% |

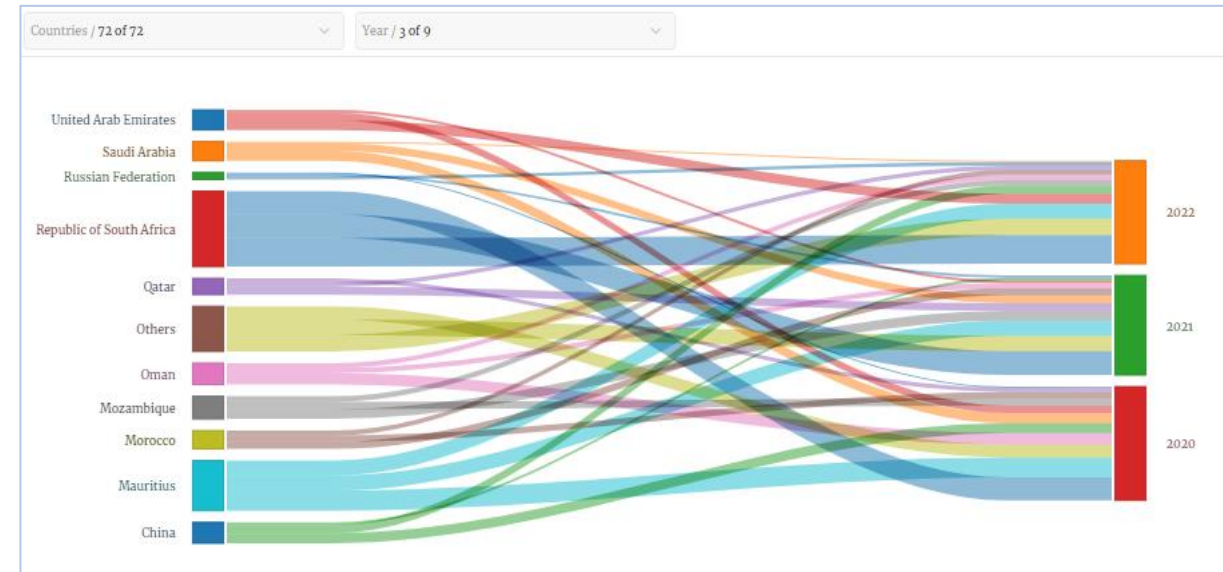
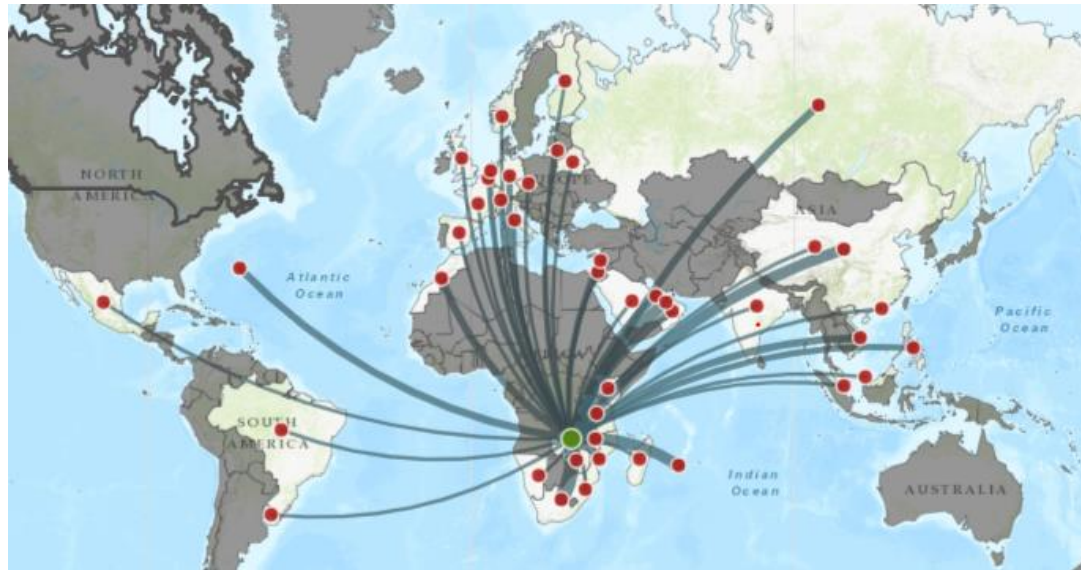
TOP FERTILIZER SOURCE COUNTRIES IN 2022



| Sources | South Africa | Mauritius | UAE | China | Mozambique | Oman | Morocco | Other Countries |
|------------------|--------------|-----------|-----|-------|------------|------|---------|-----------------|
| NPK | 34% | 12% | 7% | 5% | 7% | - | 13% | 22% |
| Urea | 13% | 17% | 19% | 15% | 2% | 12% | - | 23% |
| Ammonium Nitrate | 33% | 4% | - | - | 0.00 | - | - | 64% |
| MAP | 27% | 20% | 6% | 8% | 9% | 22% | 1% | 7% |
| SoA | 38% | 9% | 4% | 7% | 9% | - | - | 34% |
| MOP | 46% | 17% | - | 0% | 0% | - | - | 37% |
| DAP | 42% | 5% | - | - | - | - | - | 53% |
| Others | 36% | 25% | 5% | 12% | 15% | - | - | 7% |

Sources of fertilizers into Zambia

ZAMBIA



<https://viz.africafertilizer.org/#/zambia/availability>

NPK Import Analysis

ZAMBIA

| HS Code | Fertilizer Name | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|-----------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3105200000 | Total NPK | 105,025 | 85,717 | 73,589 | 190,203 | 147,394 | 251,172 | 353,459 | 230,757 | 235,530 |
| 3105510000 | Total NP | 215 | 195 | 121 | 239 | 228 | 188 | 207 | 202 | 358 |
| 3105700000 | Total NK | 2,734 | 2,562 | 1,835 | 3,508 | 2,318 | 2,644 | 2,747 | 5,169 | 1,928 |
| 3105600000 | Total PK | 20 | 52 | 52 | 120 | 108 | 48 | 64 | 38 | 161 |
| Total (mt) | | 107,994 | 88,526 | 75,597 | 194,069 | 150,048 | 254,053 | 356,478 | 236,164 | 237,977 |

| NPK, NP, PK and NK import | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|----------------------------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| NPK 10-20-10 + 6S | 23,483 | 31,880 | 18,222 | 79,233 | 55,596 | 114,618 | 187,146 | 130,519 | 125,243 |
| NPK | 60,673 | 34,567 | 35,852 | 93,952 | 70,885 | 112,905 | 140,234 | 81,171 | 84,861 |
| NPK 12-21-15 + 5S + 0.5Zn + 0.1B | 4,037 | 4,626 | 5,618 | 5,357 | 6,779 | 7,552 | 5,564 | 9,761 | 11,969 |
| NPK 8-24-16 + 5S + Zn + B | 3,473 | 4,757 | 6,118 | 7,807 | 5,474 | 8,486 | 3,913 | 2,907 | 4,595 |
| NPK 10-18-23 + S + B | | | | | | 1,666 | 260 | 2,483 | 2,172 |
| NPK 10-28-24 | | | | | | | | | 1,504 |
| NPK 10-18-24 | | | | | 398 | 1,230 | | | 1,290 |
| NPK 10.5-15-8 + 8.4S + 0.13Zn | | | | | | | | | 968 |
| Other NK Compound | 2,420 | 2,017 | 1,603 | 3,402 | 1,950 | 2,644 | 2,413 | 2,628 | 558 |
| NPK 18-24-16 + 5S + Zn + B | | | | 36 | 265 | 1,393 | 3,237 | 3,666 | |
| NPK 10-18-23 + TE | | | | | | 124 | 2,432 | 30 | |
| NPK 10-10-10 | | | | | | | 7,690 | | |
| NPK 16-16-16 | | | | | | | 1,527 | | |
| NPK 10-20-10 + 5S | | 1,590 | | | | | | | |
| NPK 14-28-14 | | 1,390 | | | | | | | |
| NPK 8-17-24 | 1,770 | 1,280 | | | | | | | |
| NPK 16-18-12 + TE | | 1,038 | | | | | | | |
| NPK 6-22-22 | 5,462 | 3,219 | 1,752 | 1,811 | 4,209 | 628 | | | |
| Others | 6,678 | 2,163 | 6,432 | 2,472 | 4,491 | 2,806 | 2,063 | 3,001 | 4,817 |
| Total (mt) | 107,994 | 88,526 | 75,597 | 194,069 | 150,048 | 254,053 | 356,478 | 236,164 | 237,977 |

Comments

- Blending companies import MAP, DAP, MOP, and SOP to blend different formulations of NPK for farmers in Zambia.
- Blenders and other major fertilizer importing companies also import finished NPK with various grades to sell directly to farmers.
- NPK 10-20-10 + 6S (Compound D) is the the most commonly used NPK fertilizer in Zambia.
- Above table represents the breakdown of NPK, NP, NK and PK compounds that have been imported to Zambia.
- On average about 80,000mt of NPKs are blended in the country, though we expect this to increase exponentially with the new UCF plant.

Agricultural and Non-agricultural Uses

ZAMBIA

| Usage | 2014 | | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | | 2020 | | 2021 | | 2022 | |
|-------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % | Volume (MT) | % |
| Agriculture | 482,820 | 92.9% | 540,811 | 91.7% | 415,428 | 88.4% | 616,603 | 93.3% | 475,550 | 91.3% | 582,720 | 89.9% | 697,928 | 91.9% | 610,835 | 89.5% | 632,529 | 91.1% |
| Industrial/Mines | 37,039 | 7.1% | 48,887 | 8.3% | 54,346 | 11.6% | 44,474 | 6.7% | 45,579 | 8.7% | 65,446 | 10.1% | 61,238 | 8.1% | 71,825 | 10.5% | 61,553 | 8.9% |
| Total (MT) | 519,860 | 100.0% | 589,699 | 100.0% | 469,773 | 100.0% | 661,078 | 100.0% | 521,129 | 100.0% | 648,166 | 100.0% | 759,166 | 100.0% | 682,660 | 100.0% | 694,082 | 100.0% |

Comments

- Some products can be used for both agricultural and industrial purposes depending on the importer. Imports that are not used for agricultural purposes are captured as non-Agricultural use even if they are fertilizers.
- Above is a table that shows the product usage between agricultural use and non-agricultural use over the years.
- Averagely 9% of the fertilizer products imported are used for industrial purposes.

Fertilizer Re-Exports

ZAMBIA

| HS Code | Fertilizer Name | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 3105200000 | NPK | 190 | 382 | 1,164 | 1,474 | 888 | 2,015 | 1,395 | 4,606 | 4,911 |
| 3102100000 | Urea | 888 | 442 | 277 | 119 | 1,721 | 2,252 | 375 | 140 | 1,278 |
| | Other fertilizers | 1,696 | 217 | 770 | 724 | 482 | 587 | 449 | 394 | 5,546 |
| Total (mt) | | 2,774 | 1,041 | 2,210 | 2,317 | 3,090 | 4,853 | 2,219 | 5,140 | 11,734 |

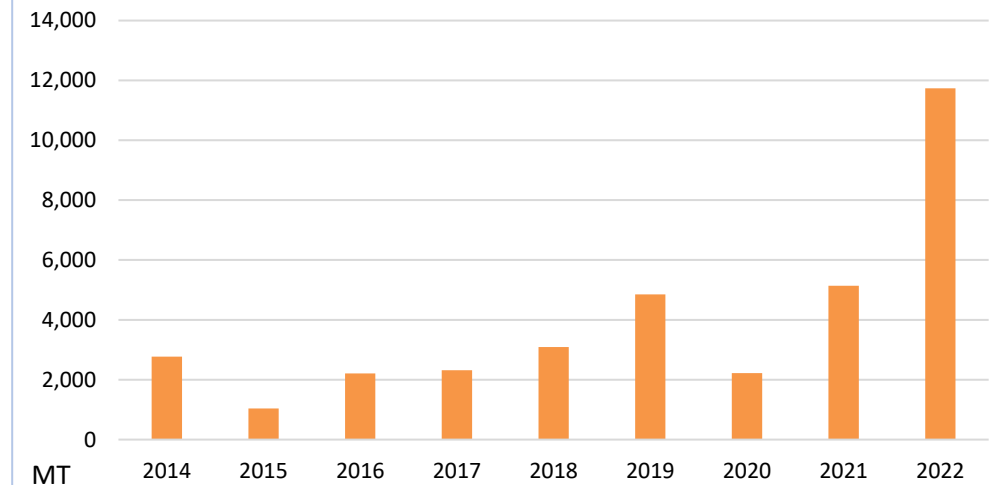


Urea

Comments

- The total Fertilizer re-exports for 2022 were **11,734 MT**, this is in comparison to exports of **5,140 MT** in 2021 which shows an increase of **128%** year on year. This was attributed to more consistent availability of product on the market allowing for the Government to ease export restrictions.
- The main increase in exports was mainly in NPK, Limestone Ammonium Nitrate and Urea.
- The Democratic Republic of Congo and Malawi are the top two destinations for fertilizer re-exports accounting for over 88% of cargo.

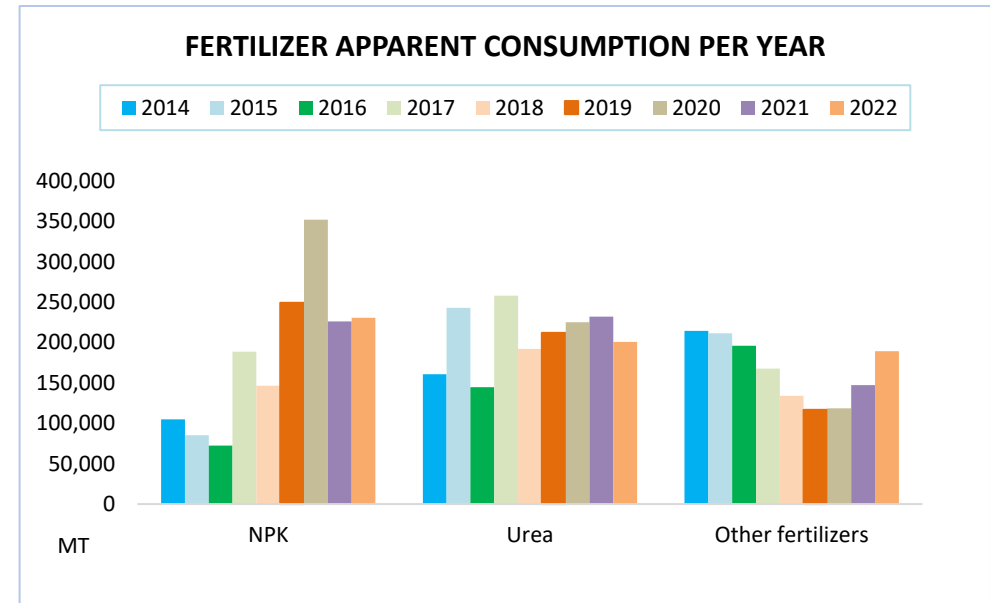
FERTILIZER RE-EXPORTS FROM ZAMBIA PER YEAR



Fertilizer Apparent Consumption

ZAMBIA

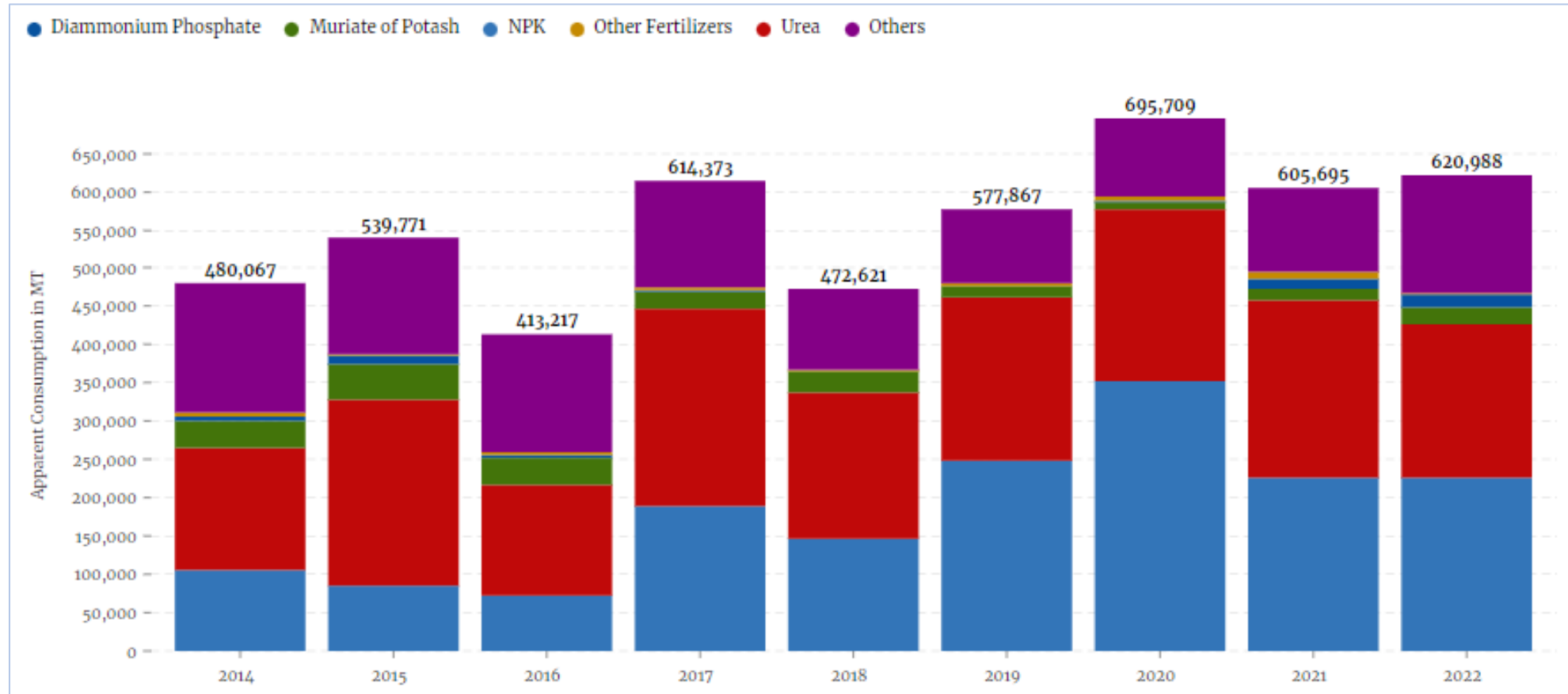
| HS Code | Fertilizer Name | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3105200000 | NPK | 104,835 | 85,335 | 72,425 | 188,728 | 146,506 | 249,157 | 352,064 | 226,151 | 230,619 |
| 3102100000 | Urea | 160,820 | 243,043 | 144,750 | 258,035 | 192,002 | 211,937 | 225,132 | 232,172 | 200,829 |
| 3102300000 | Ammonium Nitrate | 18,867 | 22,952 | 17,306 | 22,287 | 31,979 | 26,007 | 27,153 | 33,251 | 47,653 |
| 3105400000 | MAP | 59,440 | 59,567 | 65,339 | 31,531 | 25,923 | 19,161 | 16,355 | 23,205 | 24,781 |
| 3102210000 | Ammonium Sulphate | 55,752 | 42,126 | 44,354 | 42,634 | 14,523 | 18,103 | 16,106 | 15,870 | 23,968 |
| 3104200000 | MOP | 34,438 | 46,320 | 35,776 | 22,179 | 26,995 | 15,768 | 9,957 | 15,278 | 21,183 |
| 3105300000 | DAP | 5,113 | 10,210 | 3,274 | 3,029 | 45 | - | 25 | 12,597 | 17,325 |
| 3104300000 | SOP | 3,901 | 3,057 | 6,114 | 7,993 | 3,370 | 6,562 | 8,974 | 13,419 | 16,131 |
| | Other fertilizers | 36,901 | 27,160 | 23,880 | 37,957 | 31,279 | 31,172 | 39,942 | 33,752 | 38,307 |
| Total (mt) | | 480,067 | 539,771 | 413,217 | 614,373 | 472,621 | 577,867 | 695,709 | 605,695 | 620,795 |



Comments

- There was a 2% increase in apparent consumption from 2021 to 2022.
- NPK and Urea continue to be the most utilized fertilizers in Zambia.
- Examining the top fertilizers that were apparently consumed, Urea is mostly used as a top-dressing fertilizer and part is used for blending. Ammonium Nitrate is used in blending and also as a top dressing fertilizer. NPKs are used as basal fertilizers.

NB: Apparent consumption = Production + Imports – (Re)Exports – Non Fertilizer Use



<https://viz.africafertilizer.org/#/zambia/use>

- Fertilizer demand is estimated to be at between 600,000 MT to 700,000 MT in a normal year.
- From 2021, the Government reduced the number of beneficiaries in the Fertilizer Input Support Program FISP and the number of bags received. Therefore there was a significant drop of about 10% in imports and this is due to the fertilizer market demand being generated by the subsidy program.
- As a result, the fertilizer industry has become dependent on the subsidy program to make most of their commercial sales. Therefore, any policy Government makes in relation to the subsidy program directly affects the operations of the fertilizer industry.
- Zambia's main planting period begins in September/October and runs until January/February depending on when the rains begin and end.
- NPK 10-20-10 + 6S and Urea are the most widely used fertilizers in Zambia and are applied to the staple food crop maize. Other fertilizers imported and blended in country in smaller quantities are for cash crops such as soybeans, wheat, groundnuts, sorghum, tobacco, sugarcane, coffee
- Imports of fertilizer into Zambia are imported mainly through Durban, Dar Es Salaam and Beira Ports.
- The main destination for exports of Fertilizer from Zambia is the Democratic Republic of Congo DRC with over
- Granulation and Blending plants are expected to increase significantly in 2023 with an expected corresponding reduction in imports of NPK's due to the full operationalisation of the United Capital Fertilizer UCF plant and the recapitalisation of Nitrogen Chemicals of Zambia NCZ.

Summary of 2014 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2014 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 161,708 | | 888 | 161,708 | 160,820 |
| 3105200000 | NPK | | 105,025 | | 190 | 105,025 | 104,835 |
| 3105400000 | Monoammonium Phosphate | | 59,500 | | 60 | 59,500 | 59,440 |
| 3102210000 | Ammonium Sulphate | | 55,752 | | | 55,752 | 55,752 |
| 3104200000 | Muriate of Potash | | 34,438 | | | 34,438 | 34,438 |
| 9999999991 | Fertilizer1 | | 17,016 | | 1,486 | 17,016 | 15,530 |
| 3102300000 | Ammonium Nitrate | | 55,125 | 36,258 | | 18,867 | 18,867 |
| 3105900000 | OTHERS | | 6,030 | | | 6,030 | 6,030 |
| 3105300000 | Diammonium Phosphate | | 5,113 | | | 5,113 | 5,113 |
| 3102900000 | Nitrogen Fertilizer | | 3,942 | | | 3,942 | 3,942 |
| 3104300000 | Sulphate of Potash | | 3,991 | | 90 | 3,991 | 3,901 |
| 3102400000 | Calcium Ammonium Nitrate | | 3,709 | | | 3,709 | 3,709 |
| 3105700000 | NK Fertilizer | | 2,734 | | | 2,734 | 2,734 |
| 3102400001 | Limestone Ammonium Nitrate | | 1,488 | | | 1,488 | 1,488 |
| 3102600000 | Calcium Nitrate | | 999 | | | 999 | 999 |
| 2834210000 | Potassium Nitrate | | 511 | | | 511 | 511 |
| 3103100000 | Single Super Phosphate | | 416 | | | 416 | 416 |
| 3101000000 | Organic Fertilizer | | 395 | | | 395 | 395 |
| 2510000000 | Phosphate Rock | | 360 | | | 360 | 360 |
| 2833210000 | Magnesium Sulphate | | 273 | | | 273 | 273 |
| 3105510000 | NP Compound + TE | | 215 | | | 215 | 215 |
| 2834292000 | Magnesium Nitrate | | 143 | | | 143 | 143 |
| 3102210001 | Ammonium Sulphate Nitrate | | 74 | | | 74 | 74 |
| 3103900000 | Phosphate Fertilizer | | 34 | | | 34 | 34 |
| 3103101000 | Triple Super Phosphate | | 25 | | | 25 | 25 |
| 3105600000 | MKP 0 52-34 | | 20 | | | 20 | 20 |
| 3104900000 | Potash Fertilizer | | 3 | | | 3 | 3 |
| 3102500000 | Sodium Nitrate | | 782 | 782 | | - | - |
| 9999999990 | Enhancers | | 39 | | 60 | 39 | (21) |
| Grand Total (MT) | | - | 519,860 | 37,039 | 2,774 | 482,820 | 480,067 |

Summary of 2015 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2015 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 243,485 | | 442 | 243,485 | 243,043 |
| 3105200000 | NPK | | 85,717 | | 382 | 85,717 | 85,335 |
| 3102300000 | Ammonium Nitrate | | 70,895 | 47,943 | | 22,952 | 22,952 |
| 3105400000 | Monoammonium Phosphate | | 59,567 | | | 59,567 | 59,567 |
| 3104200000 | Muriate of Potash | | 46,320 | | | 46,320 | 46,320 |
| 3102210000 | Ammonium Sulphate | | 42,126 | | | 42,126 | 42,126 |
| 9999999991 | Fertilizer1 | | 14,504 | | 217 | 14,504 | 14,287 |
| 3105300000 | Diammonium Phosphate | | 10,210 | | | 10,210 | 10,210 |
| 3105900000 | OTHERS | | 3,097 | | | 3,097 | 3,097 |
| 3104300000 | Sulphate of Potash | | 3,057 | | | 3,057 | 3,057 |
| 3102400000 | Calcium Ammonium Nitrate | | 2,257 | | 0 | 2,257 | 2,257 |
| 3105700000 | NK Fertilizer | | 2,562 | | | 2,562 | 2,562 |
| 3103100000 | Single Super Phosphate | | 972 | | | 972 | 972 |
| 3102600000 | Calcium Nitrate | | 840 | | | 840 | 840 |
| 2834210000 | Potassium Nitrate | | 722 | | | 722 | 722 |
| 3102400001 | Limestone Ammonium Nitrate | | 636 | | | 636 | 636 |
| 3102900000 | Nitrogen Fertilizer | | 637 | | | 637 | 637 |
| 2833210000 | Magnesium Sulphate | | 509 | | | 509 | 509 |
| 3105510000 | NP Compound | | 195 | | | 195 | 195 |
| 3103900000 | Phosphate Fertilizer | | 174 | | | 174 | 174 |
| 2834292000 | Magnesium Nitrate | | 111 | | | 111 | 111 |
| 3105600000 | MKP 0 52-34 | | 52 | | | 52 | 52 |
| 9999999990 | Enhancers | | 51 | | | 51 | 51 |
| 3101000000 | Organic Fertilizer | | 30 | | | 30 | 30 |
| 3104900000 | Potash Fertilizer | | 30 | | | 30 | 30 |
| 3102500000 | Sodium Nitrate | | 944 | 944 | | - | - |
| Grand Total (MT) | | - | 589,699 | 48,887 | 1,041 | 540,811 | 539,771 |

Summary of 2016 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2016 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 145,027 | | 277 | 145,027 | 144,750 |
| 3105200000 | NPK | | 73,589 | | 1,164 | 73,589 | 72,425 |
| 3102300000 | Ammonium Nitrate | | 70,528 | 53,221 | | 17,306 | 17,306 |
| 3105400000 | Monoammonium Phosphate | | 65,438 | 99 | | 65,339 | 65,339 |
| 3102210000 | Ammonium Sulphate | | 44,354 | | | 44,354 | 44,354 |
| 3104200000 | Muriate of Potash | | 35,776 | | | 35,776 | 35,776 |
| 9999999991 | Fertilizer1 | | 5,969 | 5 | 337 | 5,964 | 5,627 |
| 3104300000 | Sulphate of Potash | | 6,114 | | | 6,114 | 6,114 |
| 3102400000 | Calcium Ammonium Nitrate | | 4,805 | | 8 | 4,805 | 4,798 |
| 3105900000 | OTHERS | | 4,127 | | | 4,127 | 4,127 |
| 3105300000 | Diammonium Phosphate | | 3,274 | | | 3,274 | 3,274 |
| 3103100000 | Single Super Phosphate | | 2,160 | | | 2,160 | 2,160 |
| 3105700000 | NK Fertilizer | | 1,835 | | | 1,835 | 1,835 |
| 3102900000 | Nitrogen Fertilizer | | 1,142 | | | 1,142 | 1,142 |
| 2520101000 | Gypsum | | 1,016 | | | 1,016 | 1,016 |
| 3102600000 | Calcium Nitrate | | 924 | | 425 | 924 | 499 |
| 3102400001 | Limestone Ammonium Nitrate | | 686 | | | 686 | 686 |
| 2834210000 | Potassium Nitrate | | 393 | | | 393 | 393 |
| 2833210000 | Magnesium Sulphate | | 455 | | | 455 | 455 |
| 3103101000 | Triple Super Phosphate | | 300 | | | 300 | 300 |
| 3104900000 | Potash Fertilizer | | 216 | | | 216 | 216 |
| 3101000000 | Organic Fertilizer | | 207 | | | 207 | 207 |
| 2834292000 | Magnesium Nitrate | | 125 | | | 125 | 125 |
| 3105510000 | NP Compound + TE | | 121 | | | 121 | 121 |
| 9999999990 | Enhancers | | 65 | | | 65 | 65 |
| 3103900000 | Phosphate Fertilizer | | 58 | | | 58 | 58 |
| 3105600000 | MKP 0 52-34 | | 52 | | | 52 | 52 |
| 3102500000 | Sodium Nitrate | | 1,020 | 1,020 | | - | - |
| Grand Total (MT) | | - | 469,773 | 54,346 | 2,210 | 415,428 | 413,217 |

Summary of 2017 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2017 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 258,154 | | 119 | 258,154 | 258,035 |
| 3105200000 | NPK | | 190,202 | | 1,474 | 190,202 | 188,728 |
| 3102300000 | Ammonium Nitrate | | 66,038 | 43,751 | | 22,287 | 22,287 |
| 3102210000 | Ammonium Sulphate | | 42,634 | | | 42,634 | 42,634 |
| 3105400000 | Monoammonium Phosphate | | 31,566 | 5 | 30 | 31,561 | 31,531 |
| 3104200000 | Muriate of Potash | | 22,241 | 32 | 30 | 22,209 | 22,179 |
| 9999999991 | Fertilizer1 | | 10,417 | | 424 | 10,417 | 9,993 |
| 3102400000 | Calcium Ammonium Nitrate | | 6,601 | | | 6,601 | 6,601 |
| 3104300000 | Sulphate of Potash | | 7,993 | | | 7,993 | 7,993 |
| 3102900000 | Nitrogen Fertilizer | | 5,659 | | | 5,659 | 5,659 |
| 3105700000 | NK Fertilizer | | 3,508 | | | 3,508 | 3,508 |
| 3105900000 | OTHERS | | 3,086 | | | 3,086 | 3,086 |
| 3105300000 | Diammonium Phosphate | | 3,029 | | | 3,029 | 3,029 |
| 3102600000 | Calcium Nitrate | | 2,230 | | | 2,230 | 2,230 |
| 3103100000 | Single Super Phosphate | | 1,867 | | | 1,867 | 1,867 |
| 3102400001 | Limestone Ammonium Nitrate | | 1,527 | | | 1,527 | 1,527 |
| 3103101000 | Triple Super Phosphate | | 727 | | | 727 | 727 |
| 2834210000 | Potassium Nitrate | | 670 | | | 670 | 670 |
| 2833210000 | Magnesium Sulphate | | 502 | | | 502 | 502 |
| 3104900000 | Potash Fertilizer | | 350 | | | 350 | 350 |
| 2520101000 | Gypsum | | 317 | | | 317 | 317 |
| 3105510000 | NP Compound | | 239 | | | 239 | 239 |
| 3101000000 | Organic Fertilizer | | 275 | | 60 | 275 | 215 |
| 3102100001 | Urea Ammonium Sulphate | | 168 | | | 168 | 168 |
| 3105600000 | MKP 0 52-34 | | 120 | | | 120 | 120 |
| 2834292000 | Magnesium Nitrate | | 119 | | | 119 | 119 |
| 3103900000 | Phosphate Fertilizer | | 60 | | | 60 | 60 |
| 3102500000 | Sodium Nitrate | | 686 | 686 | | - | - |
| 9999999990 | Enhancers | | 94 | | 180 | 94 | (86) |
| Grand Total (MT) | | - | 661,078 | 44,474 | 2,317 | 616,603 | 614,373 |

Summary of 2018 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2018 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 193,723 | | 1,721 | 193,723 | 192,002 |
| 3105200000 | NPK | | 147,394 | | 888 | 147,394 | 146,506 |
| 3102300000 | Ammonium Nitrate | | 76,528 | 44,549 | | 31,979 | 31,979 |
| 3104200000 | Muriate of Potash | | 26,995 | | | 26,995 | 26,995 |
| 3105400000 | Monoammonium Phosphate | | 25,983 | | 60 | 25,983 | 25,923 |
| 3102210000 | Ammonium Sulphate | | 14,523 | | | 14,523 | 14,523 |
| 9999999991 | Fertilizer1 | | 12,178 | 454 | 17 | 11,724 | 11,707 |
| 3102400000 | Calcium Ammonium Nitrate | | 5,886 | | | 5,886 | 5,886 |
| 3102900000 | Nitrogen Fertilizer | | 4,139 | | | 4,139 | 4,139 |
| 3104300000 | Sulphate of Potash | | 3,370 | | | 3,370 | 3,370 |
| 3105900000 | OTHERS | | 2,456 | | | 2,456 | 2,456 |
| 3105700000 | NK Fertilizer | | 2,318 | | | 2,318 | 2,318 |
| 3102600000 | Calcium Nitrate | | 1,402 | | | 1,402 | 1,402 |
| 2520101000 | Gypsum | | 846 | | | 846 | 846 |
| 2833210000 | Magnesium Sulphate | | 485 | | | 485 | 485 |
| 2834210000 | Potassium Nitrate | | 382 | | | 382 | 382 |
| 3103101000 | Triple Super Phosphate | | 281 | | | 281 | 281 |
| 3102400001 | Limestone Ammonium Nitrate | | 264 | | | 264 | 264 |
| 3103900000 | Phosphate Fertilizer | | 240 | | | 240 | 240 |
| 3103100000 | Single Super Phosphate | | 198 | | | 198 | 198 |
| 2834292000 | Magnesium Nitrate | | 190 | | | 190 | 190 |
| 3104900000 | Potash Fertilizer | | 148 | | | 148 | 148 |
| 3105510000 | NP Compound | | 228 | | 104 | 228 | 124 |
| 3105600000 | MKP 0 52-34 | | 108 | | | 108 | 108 |
| 3101000000 | Organic Fertilizer | | 106 | | | 106 | 106 |
| 3105300000 | Diammonium Phosphate | | 45 | | | 45 | 45 |
| 3102500000 | Sodium Nitrate | | 577 | 577 | | - | - |
| 9999999990 | Enhancers | | 138 | | 300 | 138 | (162) |
| Grand Total (MT) | | - | 521,129 | 45,579 | 3,090 | 475,550 | 472,621 |

Summary of 2019 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2019 Apparent Consumption |
|-------------------------|----------------------------|------------|----------------|----------------|--------------|--------------------|---------------------------|
| 3105200000 | NPK | | 251,172 | | 2,015 | 251,172 | 249,157 |
| 3102100000 | Urea | | 214,189 | | 2,252 | 214,189 | 211,937 |
| 3102300000 | Ammonium Nitrate | | 90,750 | 64,743 | | 26,007 | 26,007 |
| 3105400000 | Monoammonium Phosphate | | 19,171 | 10 | | 19,161 | 19,161 |
| 3102210000 | Ammonium Sulphate | | 18,367 | | 264 | 18,367 | 18,103 |
| 3104200000 | Muriate of Potash | | 15,768 | | | 15,768 | 15,768 |
| 9999999991 | Fertilizer1 | | 12,618 | | 268 | 12,618 | 12,350 |
| 3104300000 | Sulphate of Potash | | 6,562 | | | 6,562 | 6,562 |
| 3102400000 | Calcium Ammonium Nitrate | | 3,872 | | | 3,872 | 3,872 |
| 3105900000 | OTHERS | | 2,988 | | | 2,988 | 2,988 |
| 3105700000 | NK Fertilizer | | 2,644 | | | 2,644 | 2,644 |
| 3102900000 | Nitrogen Fertilizer | | 2,452 | | | 2,452 | 2,452 |
| 3101000000 | Organic Fertilizer | | 2,175 | | | 2,175 | 2,175 |
| 2834210000 | Potassium Nitrate | | 1,142 | | | 1,142 | 1,142 |
| 3102600000 | Calcium Nitrate | | 1,037 | | | 1,037 | 1,037 |
| 2520101000 | Gypsum | | 1,170 | | | 1,170 | 1,170 |
| 2833210000 | Magnesium Sulphate | | 508 | | | 508 | 508 |
| 3102400001 | Limestone Ammonium Nitrate | | 340 | | | 340 | 340 |
| 3105510000 | NP Compound + TE | | 188 | | | 188 | 188 |
| 3103100000 | Single Super Phosphate | | 121 | | | 121 | 121 |
| 9999999990 | Enhancers | | 139 | | 54 | 139 | 85 |
| 3105600000 | MKP 0 52-34 | | 48 | | | 48 | 48 |
| 2834292000 | Magnesium Nitrate | | 45 | | | 45 | 45 |
| 3103900000 | Phosphate Fertilizer | | 6 | | | 6 | 6 |
| 3102500000 | Sodium Nitrate | | 693 | 693 | | - | - |
| Grand Total (MT) | | - | 648,166 | 65,446 | 4,853 | 582,720 | 577,867 |

Summary of 2020 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2020 Apparent Consumption |
|------------|----------------------------|------------|---------------|----------------|---------|--------------------|---------------------------|
| 3105200000 | NPK | | 353,459 | | 1,395 | 353,459 | 352,064 |
| 3102100000 | Urea | | 225,507 | | 375 | 225,507 | 225,132 |
| 3102300000 | Ammonium Nitrate | | 87,980 | 60,827 | | 27,153 | 27,153 |
| 3105400000 | Monoammonium Phosphate | | 16,364 | 9 | | 16,355 | 16,355 |
| 3102210000 | Ammonium Sulphate | | 16,106 | | | 16,106 | 16,106 |
| 9999999991 | Fertilizer1 | | 13,041 | | 208 | 13,041 | 12,832 |
| 3104200000 | Muriate of Potash | | 9,957 | | | 9,957 | 9,957 |
| 3104300000 | Sulphate of Potash | | 8,974 | | | 8,974 | 8,974 |
| 3102400000 | Calcium Ammonium Nitrate | | 8,211 | | 10 | 8,211 | 8,201 |
| 3105900000 | OTHERS | | 6,341 | | | 6,341 | 6,341 |
| 3102900000 | Nitrogen Fertilizer | | 4,198 | | | 4,198 | 4,198 |
| 3105700000 | NK Fertilizer | | 2,747 | | | 2,747 | 2,747 |
| 2834210000 | Potassium Nitrate | | 1,194 | | | 1,194 | 1,194 |
| 3102600000 | Calcium Nitrate | | 984 | | | 984 | 984 |
| 2833210000 | Magnesium Sulphate | | 697 | | | 697 | 697 |
| 3101000000 | Organic Fertilizer | | 601 | | 21 | 601 | 580 |
| 3103101000 | Triple Super Phosphate | | 429 | | | 429 | 429 |
| 3104900000 | Potash Fertilizer | | 335 | | | 335 | 335 |
| 3102400001 | Limestone Ammonium Nitrate | | 210 | | | 210 | 210 |
| 3105510000 | NP Compound | | 207 | | | 207 | 207 |
| 2520101000 | Gypsum | | 603 | | 60 | 603 | 543 |
| 3103100000 | Single Super Phosphate | | 191 | | | 191 | 191 |
| 2834292000 | Magnesium Nitrate | | 123 | | | 123 | 123 |
| 9999999990 | Enhancers | | 217 | | 150 | 217 | 67 |
| 3105600000 | MKP 0 52-34 | | 64 | | | 64 | 64 |
| 3105300000 | Diammonium Phosphate | | 25 | | | 25 | 25 |
| 3102500000 | Sodium Nitrate | | 403 | 403 | | - | - |
| | | - | 759,166 | 61,238 | 2,219 | 697,928 | 695,709 |

Summary of 2021 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Fertilizer | Industrial Use | Exports | Fertilizer Imports | 2021 Apparent Consumption |
|-------------------------|----------------------------|------------|------------------|----------------|--------------|--------------------|---------------------------|
| 3102100000 | Urea | | 232,312 | | 140 | 232,312 | 232,172 |
| 3105200000 | NPK | | 230,757 | | 4,606 | 230,757 | 226,151 |
| 3102300000 | Ammonium Nitrate | | 104,662 | 71,411 | | 33,251 | 33,251 |
| 3105400000 | Monoammonium Phosphate | | 23,325 | | 120 | 23,325 | 23,205 |
| 3102210000 | Ammonium Sulphate | | 15,870 | | | 15,870 | 15,870 |
| 3104200000 | Muriate of Potash | | 15,338 | | 60 | 15,338 | 15,278 |
| 3104300000 | Sulphate of Potash | | 13,419 | | | 13,419 | 13,419 |
| 3105300000 | Diammonium Phosphate | | 12,597 | | | 12,597 | 12,597 |
| 3105900000 | OTHERS | | 8,304 | | | 8,304 | 8,304 |
| 9999999991 | Fertilizer1 | | 5,446 | | 120 | 5,446 | 5,325 |
| 3105700000 | NK Fertilizer | | 5,169 | | | 5,169 | 5,169 |
| 3102900000 | Nitrogen Fertilizer | | 4,769 | | | 4,769 | 4,769 |
| 3102400000 | Calcium Ammonium Nitrate | | 2,826 | | | 2,826 | 2,826 |
| 2520101000 | Gypsum | | 1,770 | | | 1,770 | 1,770 |
| 3102600000 | Calcium Nitrate | | 1,532 | | | 1,532 | 1,532 |
| 2834210000 | Potassium Nitrate | | 903 | | | 903 | 903 |
| 2833210000 | Magnesium Sulphate | | 1,006 | | | 1,006 | 1,006 |
| 3103101000 | Triple Super Phosphate | | 711 | | | 711 | 711 |
| 3102400001 | Limestone Ammonium Nitrate | | 679 | | | 679 | 679 |
| 9999999990 | Enhancers | | 283 | | 92 | 283 | 192 |
| 3105510000 | NP Compound | | 202 | | | 202 | 202 |
| 3101000000 | Organic Fertilizer | | 192 | | 2 | 192 | 190 |
| 3103100000 | Single Super Phosphate | | 64 | | | 64 | 64 |
| 2834292000 | Magnesium Nitrate | | 48 | | | 48 | 48 |
| 3105600000 | MKP 0 52-34 | | 38 | | | 38 | 38 |
| 3104900000 | Potash Fertilizer | | 27 | | | 27 | 27 |
| 3102500000 | Sodium Nitrate | | 413 | 413 | | - | - |
| Grand Total (MT) | | - | 682,660 | 71,825 | 5,140 | 610,835 | 605,695 |

Summary of 2022 Fertilizer Statistics

ZAMBIA

| HS Code | Product Name | Production | Total Imports | Industrial Use | Exports | Fertilizer Imports | 2022 Apparent Consumption |
|------------------------------|----------------------------------|------------|----------------|----------------|---------------|--------------------|---------------------------|
| 3105200000 | NPK | | 235,429 | | 4,911 | 235,429 | 230,518 |
| 3105200000 | NPK (Liquid) | | 101 | | | 101 | 101 |
| 3102100000 | Urea | | 202,861 | 754 | 1,278 | 202,106 | 200,829 |
| 3102100000 | Urea (Liquid) | | 0 | | | 0 | 0 |
| 3102300000 | Ammonium Nitrate | | 107,682 | 60,030 | | 47,653 | 47,653 |
| 3105400000 | Monoammonium Phosphate | | 24,815 | 35 | | 24,781 | 24,781 |
| 3102210000 | Ammonium Sulphate | | 24,026 | 0 | 58 | 24,026 | 23,968 |
| 3104200000 | Muriate of Potash | | 21,183 | | | 21,183 | 21,183 |
| 3105300000 | Diammonium Phosphate | | 17,325 | | | 17,325 | 17,325 |
| 9999999991 | Fertilizer1 | | 16,856 | | 84 | 16,856 | 16,773 |
| 9999999991 | Fertilizer1 (Liquid) | | 352 | | | 352 | 352 |
| 3104300000 | Sulphate of Potash | | 16,131 | | | 16,131 | 16,131 |
| 3104300000 | Sulphate of Potash (Liquid) | | 0 | | | 0 | 0 |
| 3102900000 | Nitrogen Fertilizer | | 6,735 | | 691 | 6,735 | 6,044 |
| 3102900000 | Nitrogen Fertilizer (Liquid) | | 1 | | | 1 | 1 |
| 3102400000 | Calcium Ammonium Nitrate | | 3,460 | | 232 | 3,460 | 3,228 |
| 3102400001 | Limestone Ammonium Nitrate | | 6,371 | | 4,197 | 6,371 | 2,174 |
| 3105700000 | NK Fertilizer | | 1,898 | | | 1,898 | 1,898 |
| 9999999990 | Enhancers | | 1,515 | | 110 | 1,515 | 1,405 |
| 9999999990 | Enhancers (Liquid) | | 156 | | | 156 | 156 |
| 3105900000 | OTHERS | | 1,404 | | | 1,404 | 1,404 |
| 3105900000 | OTHERS (Liquid) | | 105 | | | 105 | 105 |
| 2833210000 | Magnesium Sulphate | | 1,181 | | | 1,181 | 1,181 |
| 2520101000 | Gypsum | | 922 | | | 922 | 922 |
| 3102600000 | Calcium Nitrate | | 951 | | 174 | 951 | 777 |
| 3102600000 | Calcium Nitrate (Liquid) | | 1 | | | 1 | 1 |
| 2834210000 | Potassium nitrate | | 664 | | | 664 | 664 |
| 3105510000 | NP Compound | | 364 | | | 364 | 364 |
| 3105510000 | NP Compound (Liquid) | | 24 | | | 24 | 24 |
| 3101000000 | Organic Fertilizer | | 249 | | | 249 | 249 |
| 3101000000 | Organic Fertilizer (Liquid) | | 53 | | | 53 | 53 |
| 2834292000 | Magnesium Nitrate | | 161 | | | 161 | 161 |
| 3105600000 | PK Fertilizer | | 161 | | | 161 | 161 |
| 3103100000 | Single Super Phosphate | | 68 | | | 68 | 68 |
| 3103900000 | Other phosphate | | 68 | | | 68 | 68 |
| 3103101000 | Triple Super Phosphate | | 34 | | | 34 | 34 |
| 3104900000 | Other Potash fertilizer | | 21 | | | 21 | 21 |
| 3104900000 | Other Potash fertilizer (Liquid) | | 20 | | | 20 | 20 |
| 3102500000 | Sodium Nitrate | | 734 | 734 | | - | - |
| 2022 Grand Total (MT) | | - | 694,082 | 61,553 | 11,734 | 632,529 | 620,795 |

Participants of 2023 FTWG

ZAMBIA



Participants of 2023 FTWG

ZAMBIA

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The **AfricaFertilizer.org** initiative is the premier source for fertilizer statistics and information in Africa.

AFO seeks to provide clear, relevant, and opportune data and market information on fertilizers in the sub-Saharan African region, to support the implementation of continental, regional and national agricultural and more specifically fertilizer policies and regulations, and promote the growth and development of competitive markets, to the benefit of both the public and private sector, and fertilizer stakeholders globally.



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