



FERTILIZER STATISTICS OVERVIEW

GHANA

2019 - 2023

2024 EDITION

Partners of 2024 FTWG

GHANA



Outline

1. Production
2. Import
3. NPK import analysis
4. Origins
5. Export
6. Consumption (app)
7. Summary

Background Information

- Overview of fertilizer statistics in Ghana from 2019 – 2023.
- Emphasis is on 2023, and each analysis is based on the products with higher quantities.
- Official trade data obtained from Ghana Statistical Service (GSS) and Customs as well as organic production data from private sector.
- Validated by Fertilizer Technical Working Group – Ghana (FTWG-GHA).
- 2022 data validated from 12th – 13th March 2024.

Fertilizer Production

GHANA

Comments

- There is no primary production of inorganic fertilizers in Ghana.
- There are few local commercial producers of organic fertilizers (compost), including ACARP, Safisana, and JEKORA Ventures. By the time of analyzing and validating the 2023 statistics, data from only one company was available to the FTWG.
- Fertilizers are imported in compounds and bulk. The bulk fertilizers are blended into various formulations and distributed through a network/system of distributors and retail agro-dealers.
- Seven of the major importing companies, namely Yara Ghana, Chemico Limited, Solevo (formerly Louis Dreyfus Company Ghana), OmniFert, GloFert, Best Fertilizer and Agricultural Manufacturing Group (AMG) have invested in blending plants that allows them to create different fertilizer formulations.
- Almost all blending plants are located in the southern part of the country, near the point of entry. Yara, Chemico, Solevo, and AMG are situated in the port city of Tema, while OmniFert is located in Dawhenya. However, GloFert is in Teacher Mantey, about 72 km from the port, and Best Fertilizer is located in Asankare, in the middle belt of the country.
- Carmeuse Lime Products Gh Ltd, a lime producing company located at Takoradi, started producing agriculture lime in 2020.

Fertilizer Plants in Ghana



<https://vifaaghana.org/#/ghana/directory>

Fertilizer Import

GHANA

HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3105200000	NPK	217,024	299,423	152,267	272,106	122,179
3102100000	Urea	77,011	89,956	3,800	24,505	49,933
3102210000	Ammonium sulphate	17,326	43,994	32,561	77,737	29,652
3104200000	MOP	42,235	55,611	15,329	10,941	21,001
3103101000	TSP	29,300	35,268	-	21,900	17,494
3101000000	Organic fertilizers	4,673	270	2,495	1,877	1,471
3105400000	MAP	18,102	47,966	-	30,722	193
	Other fertilizers	19,440	46,151	32,610	46,415	50,424
Total (MT)		425,110	618,638	239,062	486,203	292,349

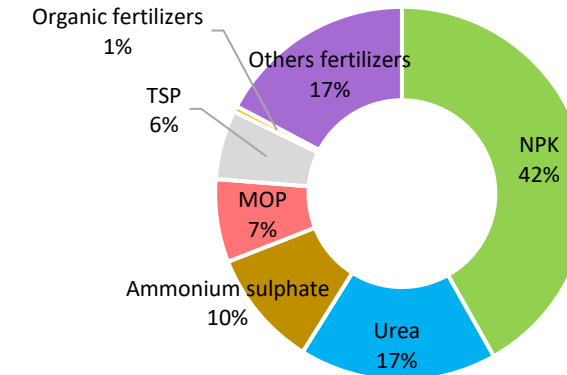
Comments

- Official fertilizer imports to Ghana decreased by 40% from 2022 to 2023.

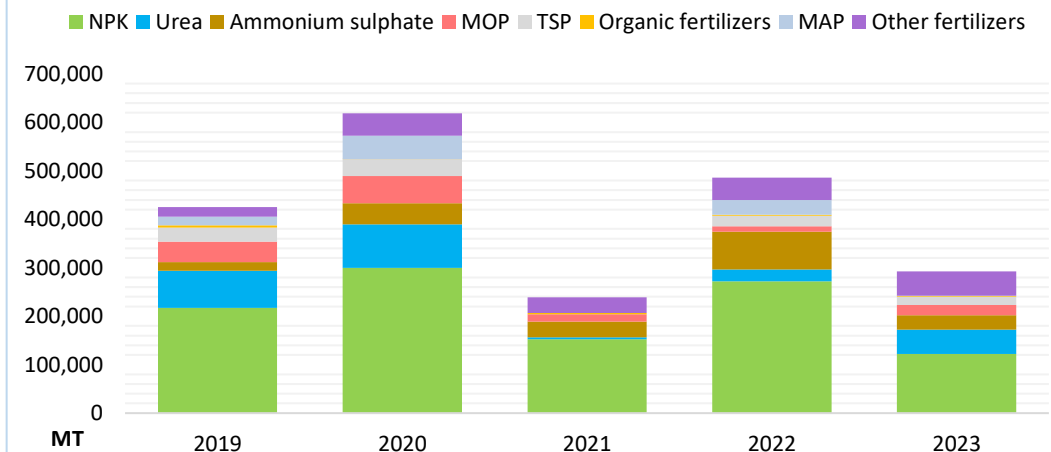
Reasons

- Government was unable to continue with the fertilizer and seed subsidy program implementation under the Planting for Food and Jobs (PFJ) Phase I, which accounted to the low fertilizer import volumes.
- The fertilizer market became more opened for competition rather than imports based on government tenders in the previous years.
- Ghana COCOBOD faced difficulties in securing adequate financing for the cocoa season purchases of 2023/2024.

TOP IMPORTED FERTILIZERS 2023

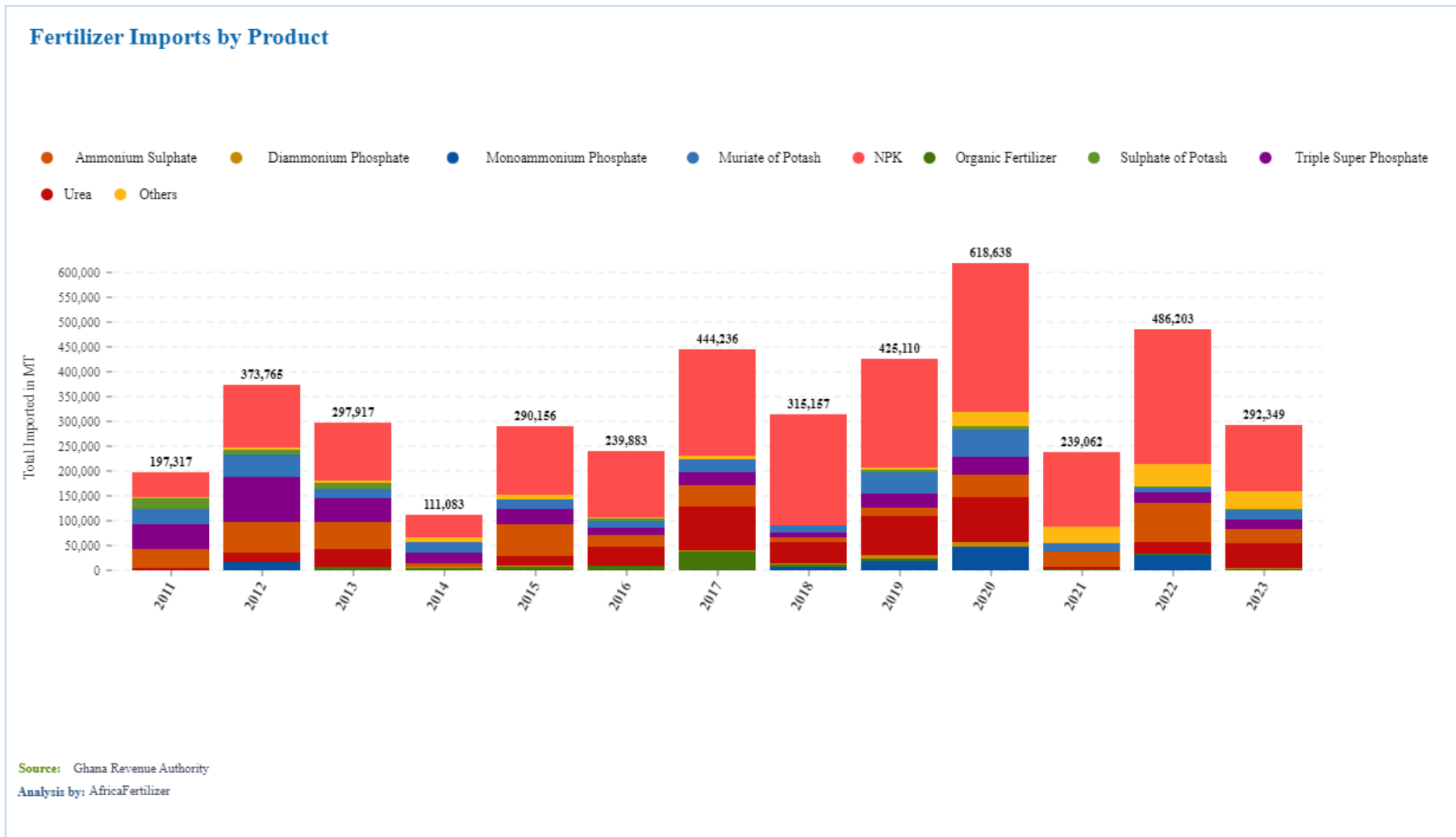


TOP FERTILIZER IMPORTS PER YEAR



Fertilizer Import on the Dashboard

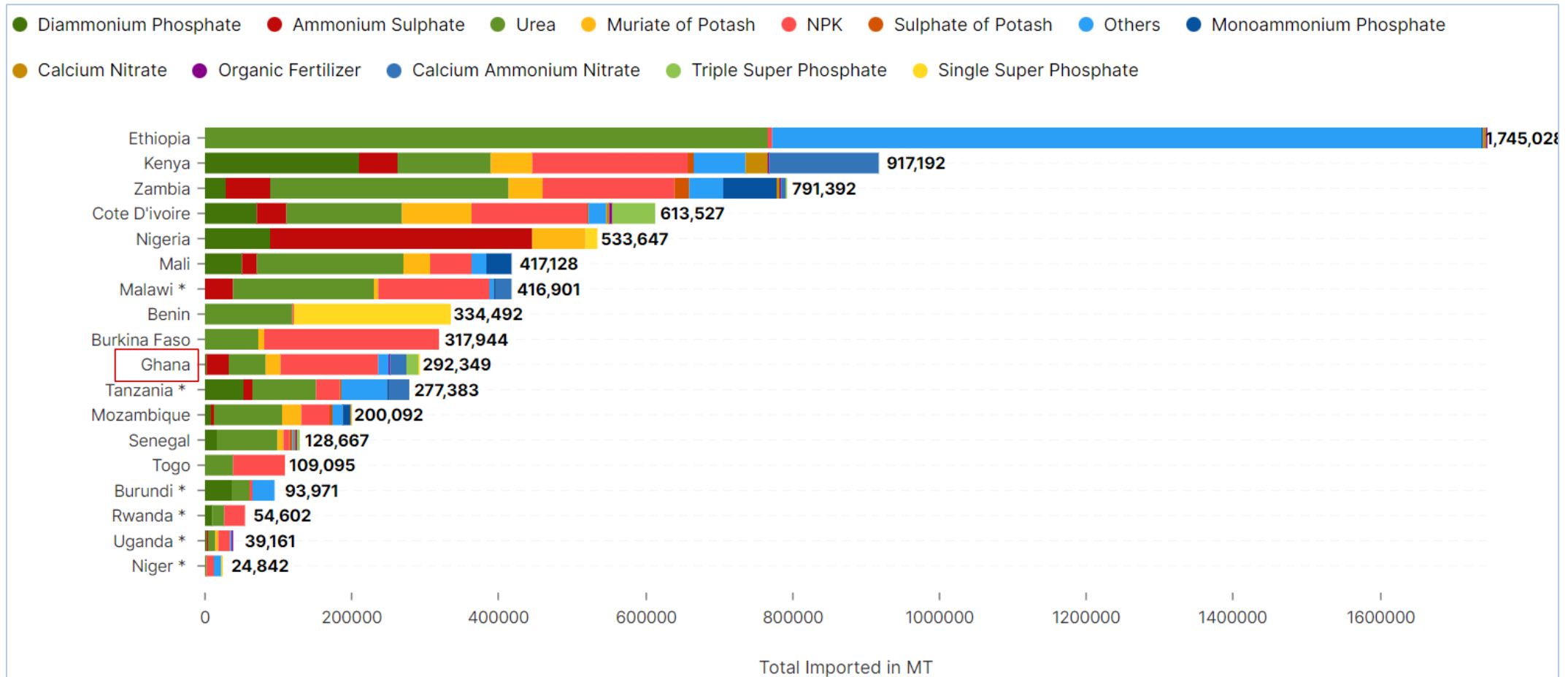
GHANA



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

2023 Fertilizer Import by Country

GHANA



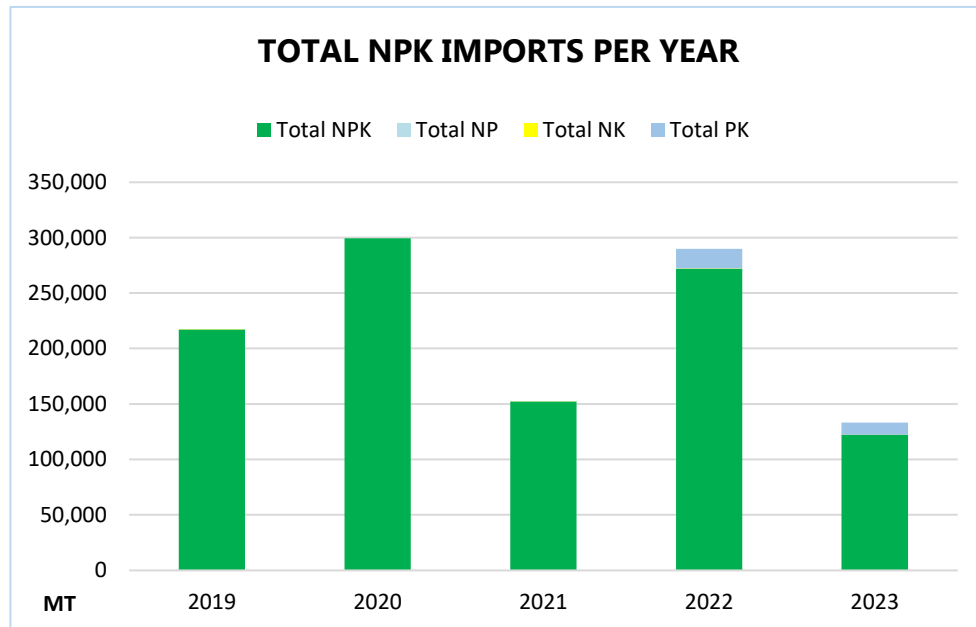
- Graph as of July 15, 2024
- Countries with (*) data yet to be validated

NPK Import Analysis

GHANA

Fertilizer Name	2019	2020	2021	2022	2023
Total NPK	217,024	299,423	152,267	272,106	122,179
Total NP		-		150	4
Total NK	1	-	88	2	26
Total PK		-	15	17,500	11,101
	217,025	299,423	152,369	289,759	133,310

NPK, NP, NK, PK Import	2023
NPK 23-10-5	75,652
NPK 20-10-10	27,636
PK 0-12-20 + 17CaO + 13SO3	11,000
NPK 20-10-10 + 7SO3	8,263
NPK 15-15-15	5,528
NPK 14-7-4 + 5CaO + MgO + 1MgO + 10SO3 + 0.12B2O3 + 0.13ZnO	2,443
NPK 5-5-45	1,323
Others	1,464
Total (MT)	133,310



Comments

- Blending companies import Urea, TSP, DAP, MAP and MOP to blend different formulations of NPK for farmers in Ghana.
- Blenders and other major fertilizer importing companies also import finished NPK with various grades to sell directly to farmers.
- About 42% of 2023 imports consisted of compound NPK fertilizers for direct application.
- From the breakdown above, NPK 23-10-5, NPK 20-10-10 were the highest NPK compounds (77%) imported to Ghana in 2023.



NPK Blend

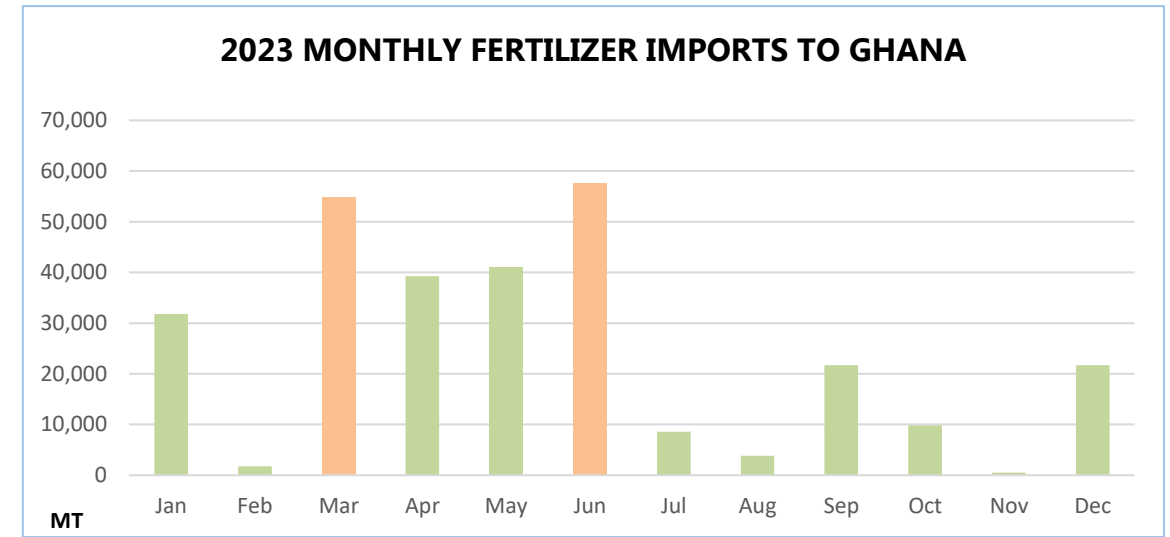
Fertilizer Monthly Import

GHANA

Quarter	2019	2020	2021	2022	2023
Q1	74,698	240,719	33,532	206,723	88,485
Q2	179,091	280,212	109,796	170,627	137,761
Q3	132,555	69,787	48,124	103,386	34,109
Q4	38,767	27,921	47,610	5,468	31,994
Total (MT)	425,110	618,638	239,062	486,203	292,349

Comments

- In 2023, 77% of fertilizers imported was recorded in the first and second quarters.
- Fertilizer import was high in the peak months (March-June), recording 112,436 MT (38% of 2023 imports).
- Considering the crop calendar, peak demand for fertilizer is mainly in the first half of the year. It is therefore important that fertilizers are available on the domestic market from the first quarter of every year.



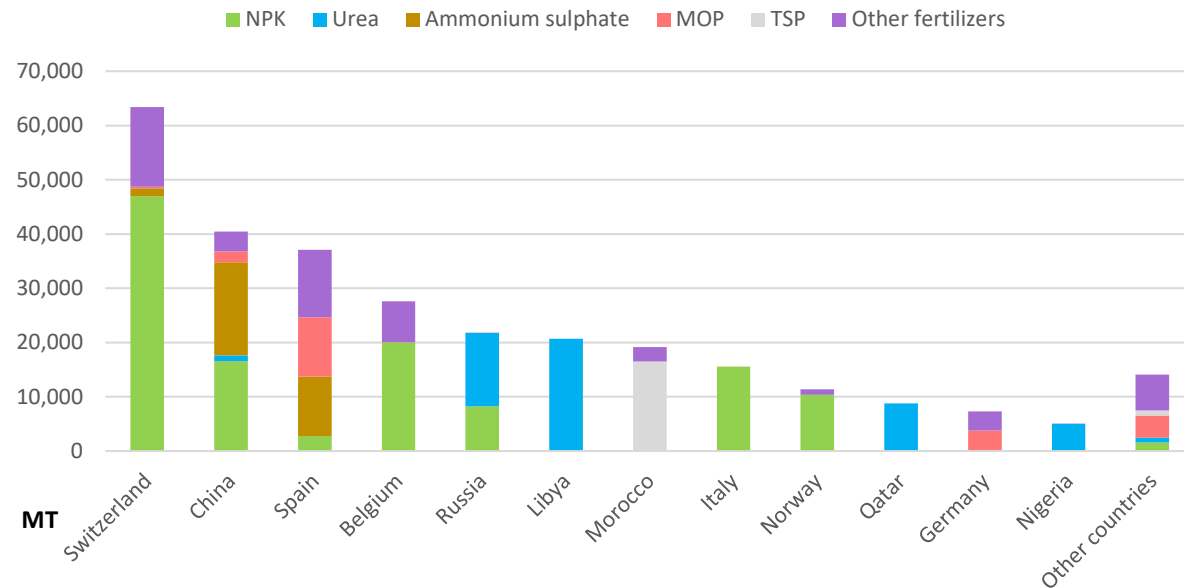
Crop Calendar

SEASON	CROPS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major Season (Long Rains)	Cassava(1st year)				◆	◆	◆	◆	◆	◆	◆	◆	◆
	Cassava(2nd year)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Maize(North main*)						◆	◆	◆	◆	◆	◆	◆
	Maize(South main*)			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Sorghum & Millet					◆	◆	◆	◆	◆	◆	◆	◆
	Rice(North)					◆	◆	◆	◆	◆	◆	◆	◆
	Rice(South)				◆	◆	◆	◆	◆	◆	◆	◆	◆
Yams	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
Minor Season (Short Rains)	Cassava, Maize, Millet, Sorghum, Rice, Yams							◆	◆	◆	◆	◆	◆

Key: ◆ Fertilizer Peak Demand Sowing Growing Harvest

Source : FAO/GIEWS

TOP COUNTRIES OF ORIGIN IN 2023



<https://vifaaghana.org/#/ghana/availability>

Comments

- In 2023, about 95% of fertilizers imported into Ghana were sourced from 12 countries.
- Approximately 42% of total fertilizer imports were NPKs, with 38% from Switzerland, 16% from Belgium, 14% from China, and 13% from Italy.
- Around 41% of Urea was sourced from Libya, 27% from Russia, 18% from Qatar, and 10% from Nigeria.
- About 58% of Ammonium Sulphate came from China, 37% from Spain, and 5% from Switzerland.
- Approximately 52% of MOP originated from Spain, 18% from Germany, and 10% from China. Additionally, 95% of TSP was sourced from Morocco.
- In 2023, only 7% (21,751 MT) of total fertilizer imports came from Russia, compared to 9% (42,163 MT) in 2022 and 18% (42,010 MT) in 2021.

Fertilizer Re-Exports

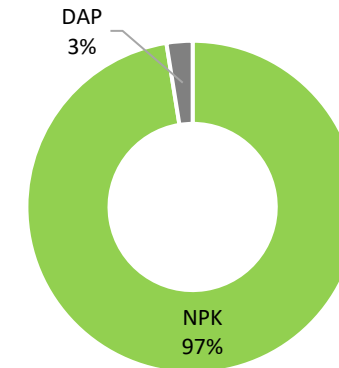
GHANA

HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3105200000	NPK	1,407	2,782	574	26,415	12,331
3105300000	DAP	-	219	300	4,653	320
3102100000	Urea	90	1,576	349	81	-
	Other fertilizers	10	119	21	773	49
Total (MT)		1,507	4,696	1,244	31,922	12,700

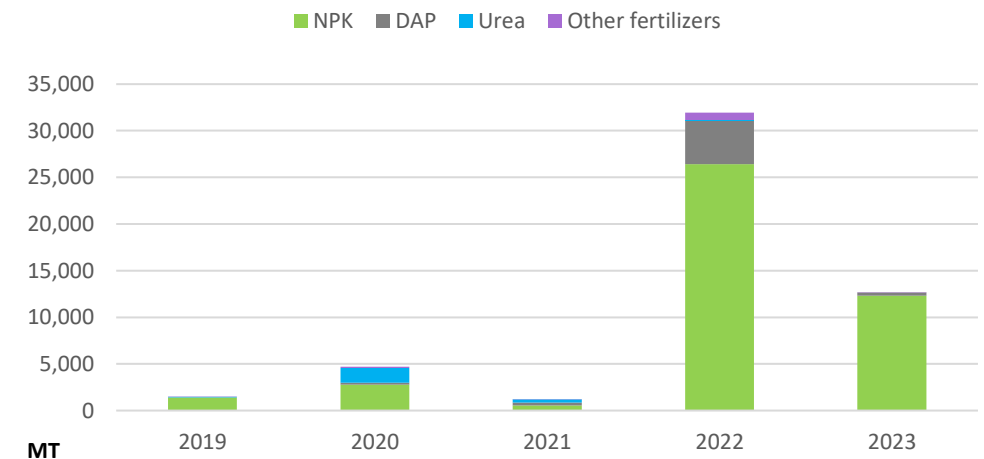
Comments

- Ghana does not produce inorganic fertilizers, therefore, all inorganic fertilizers leaving the country has been brought in and either blended or sent out in its natural form as it entered the country.
- Fertilizer re-exports from Ghana to other countries decreased by 60%; from 31,922 MT in 2022 to 12,700 MT in 2023.
- About 89% of the re-exports consisting of NPKs was sent to Burkina Faso
- The remaining, consisting of 1449 MT of DAP and SoA was sent to Mali
- In 2022, the depreciation of the Ghana cedi against the CFA and low domestic demand led companies exploring other markets in the region. However, in 2023, political instability in Burkina Faso, Mali, and Niger affected the re-export of fertilizers to these countries.

TOP 2 FERTILIZERS EXPORTED IN 2023



MAIN FERTILIZERS EXPORTED PER YEAR



Fertilizer Apparent Consumption

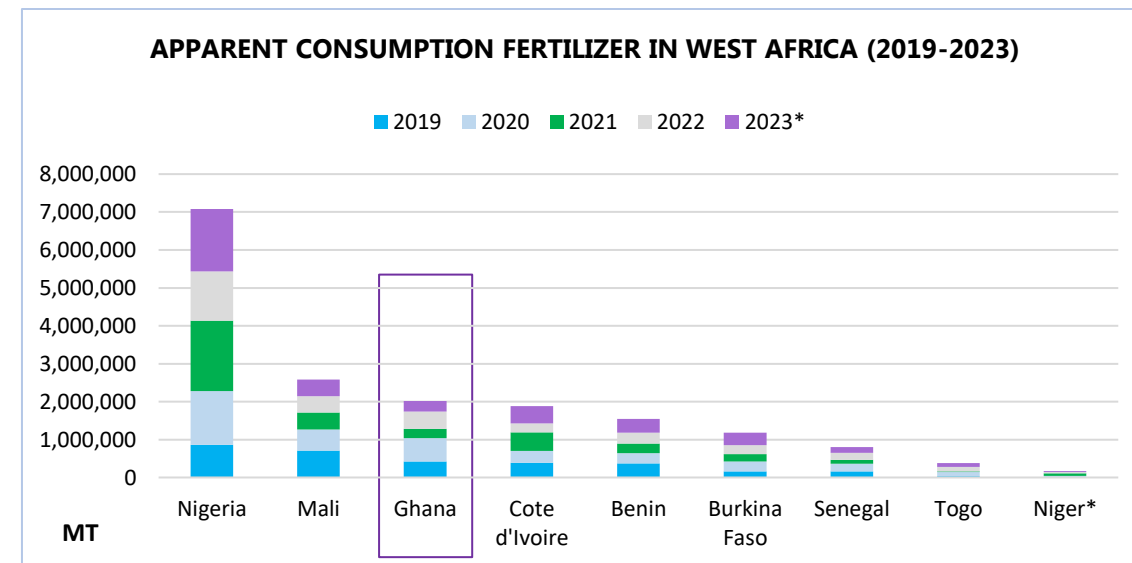
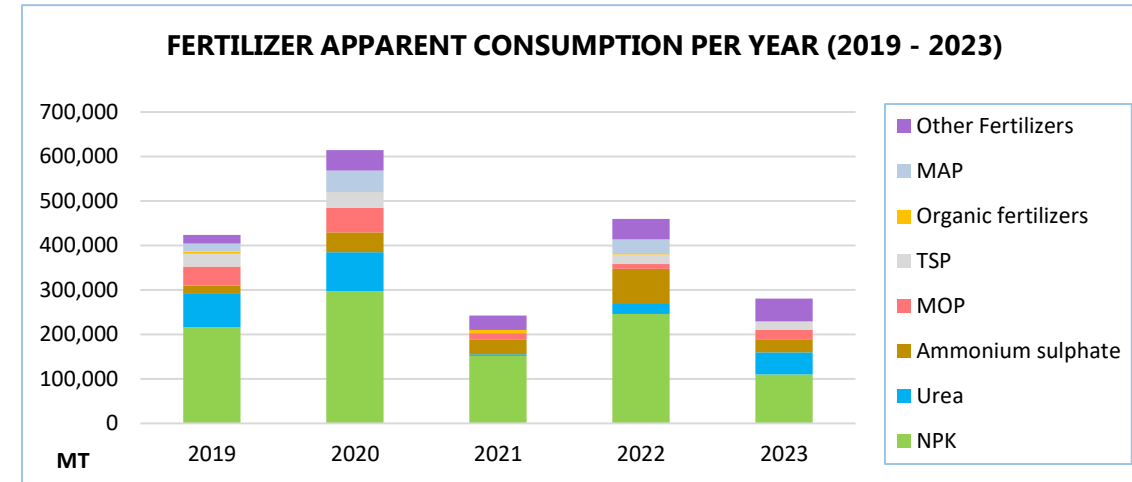
GHANA

HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3105200000	NPK	215,617	296,641	151,693	245,691	109,848
3102100000	Urea	76,921	88,379	3,451	24,424	49,933
3102210000	Ammonium sulphate	17,326	43,994	32,561	77,082	29,652
3104200000	MOP	42,235	55,611	15,329	10,941	21,001
3103101000	TSP	29,300	35,268	-	21,885	17,486
3101000000	Organic fertilizers	4,663	219	6,692	2,432	2,261
3105400000	MAP	18,102	47,966	-	30,722	193
	Other Fertilizers	19,440	45,863	32,607	46,340	50,104
Total (MT)		423,603	613,942	242,334	459,518	280,479

Comments

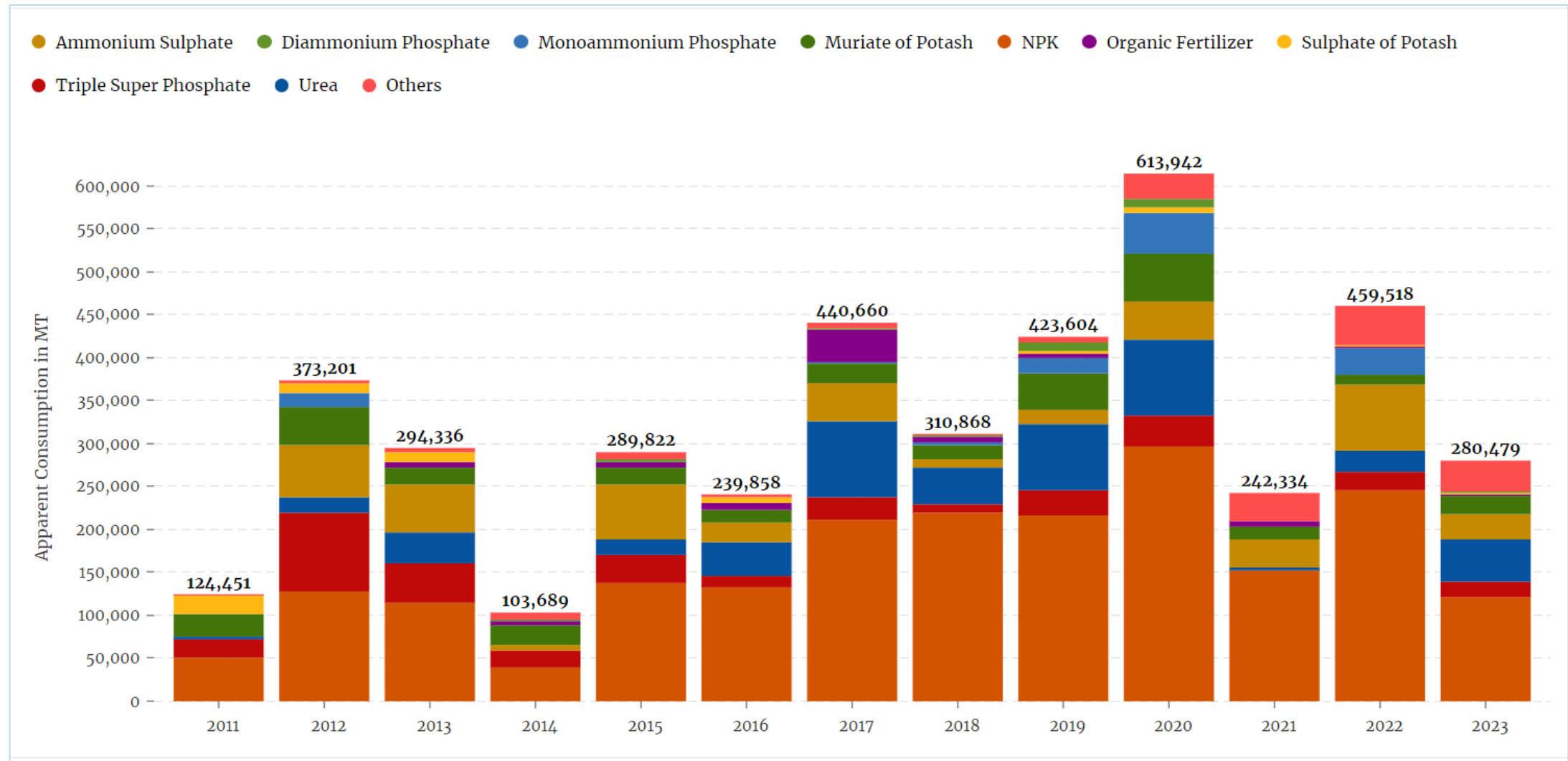
- There was a 39% reduction in apparent fertilizer consumption from 2022 to 2023.
- The decrease in imports, due to a lack of subsidies in 2023, affected apparent fertilizer consumption.
- Furthermore, high national fertilizer prices and the depreciation of the cedi impacted fertilizer use in the country.
- However, the reduction in apparent consumption did not significantly impact crop yields. Abundant rainfall and shifts in crop patterns by farmers resulted in satisfactory yields, according to the Ministry of Agriculture.

NB: Apparent consumption = Production + Imports – Exports – Non-Fertilizer Use

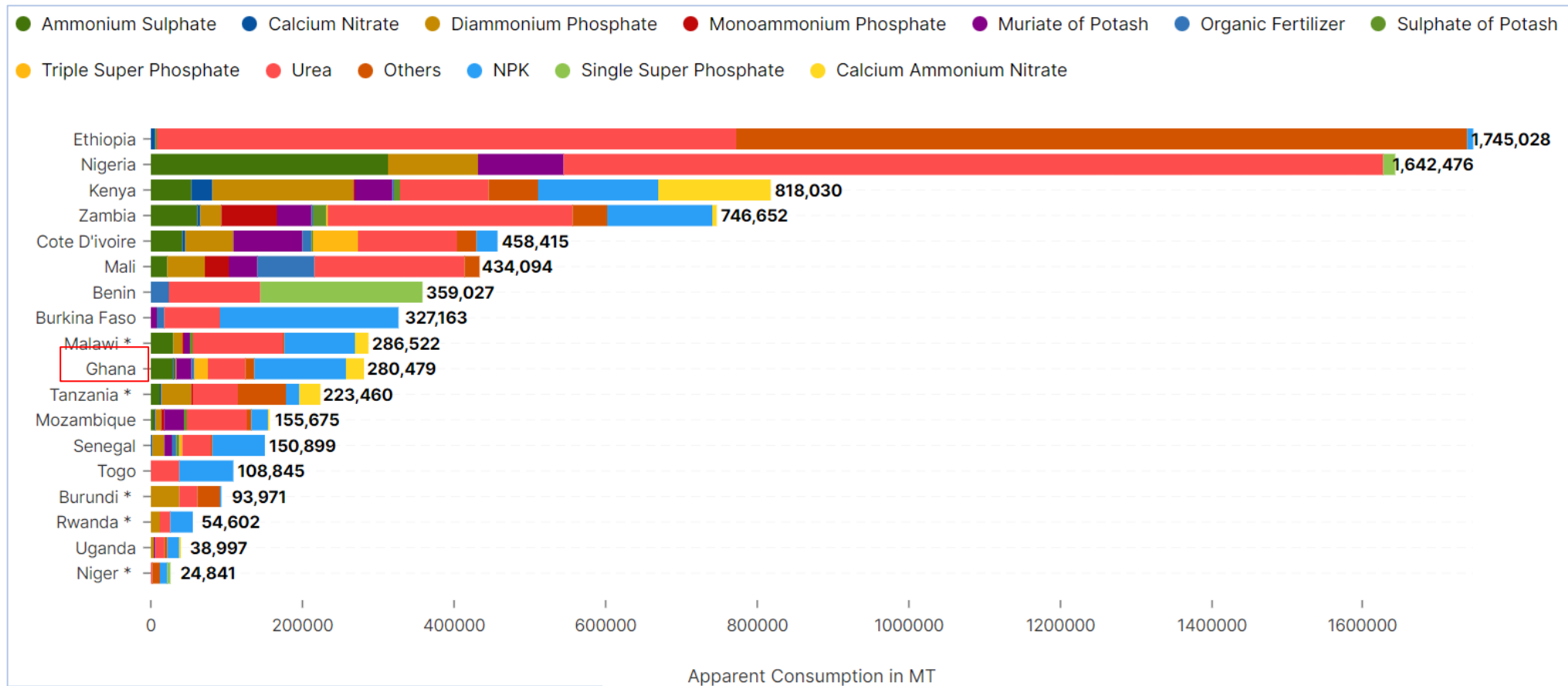


- Graph as of June 20, 2024
- Countries with (*) data yet to be validated

Fertilizer Apparent Consumption on the Dashboard GHANA



Fertilizer Apparent Consumption by Country GHANA



- Graph as of July 15, 2024
- Countries with (*) data yet to be validated

<https://africafertilizer.org/#/en/results-and-data/consumption-data/>

Summary of 2023 Fertilizer Statistics

GHANA

HS Code	Products	Production	2022 Production carry over into 2023	Total Import	Industrial	Fertilizer Export	2023 Fertilizer Import	2023 Production carry over into 2024	2023 Apparent Consumption
3105200000	NPK			121,890		12,331	121,890		109,559
3105200000	NPK (Liquid)			289			289		289
3102100000	Urea			52,192	2,274		49,918		49,918
3102100000	Urea (Liquid)			15			15		15
3102210000	Ammonium Sulphate			29,965	313		29,652		29,652
3102400000	Calcium Ammonium Nitrate			21,897			21,897		21,897
3104200000	Muriate of Potash			21,414	413		21,001		21,001
3103101000	Triple Super Phosphate			17,494		8	17,494		17,486
3105600000	PK Compound			11,034			11,034		11,034
3105600000	PK Compound (Liquid)			67			67		67
9999999990	Enhancers			3,679			3,679		3,679
9999999990	Enhancers (Liquid)			752			752		752
3104900000	Other Potash Fertilizer			3,026			3,026		3,026
3105300000	Diammonium Phosphate			2,720	0	320	2,720		2,400
2530200000	Kieserite			2,100			2,100		2,100
2510000000	Phosphate Rock			1,743			1,743		1,743
3101000000	Organic Fertilizer	638	270	748			748	77	1,579
3101000000	Organic Fertilizer (Liquid)			723		41	723		682
3102600000	Calcium Nitrate			1,147			1,147		1,147
3103100000	Single Super Phosphate			1,093			1,093		1,093
2834210000	Potassium nitrate			416	0		416		416
3104900000	Other Potash Fertilizer (Liquid)			385			385		385
3104300000	Sulphate of Potash			212	2		210		210
3105400000	Monoammonium Phosphate			193			193		193
3102900000	Other Nitrogen Fertilizers (Liquid)			126			126		126
3105700000	NK Compound (Liquid)			26			26		26
3105510000	NP Compound (Liquid)			4			4		4
3103900000	Other Phosphate Fertilizer (Liquid)			0			0		0
3102300000	Ammonium Nitrate			79,772	79,772		-		-
3102500000	Sodium nitrate			152	152		-		-
2023 Total (MT)		638	270	375,274	82,925	12,700	292,349	77	280,479
2022 Total (MT)		210				31,922	486,203		459,518
% Change		204%				-60%	-40%		-39%

Participants of 2024 FTWG

GHANA



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

AfricaFertilizer 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.



AfricaFertilizer



@AfricFertilizer



AfricaFertilizer

Links

[AfricaFertilizer Website](#)

[VIFAA Ghana Dashboard](#)

[Ghana 2023 Fertilizer Factsheet](#)