



# FERTILIZER STATISTICS OVERVIEW

## BENIN

### 2019 - 2023



**2024 EDITION**

# Partners of 2024 FTWG

# BENIN



## Outline

1. Production
2. Import
3. NPK Import Analysis
4. Origins
5. Apparent consumption
6. Summary

## Background information

- Overview of fertilizer statistics in Benin from 2019 to 2023.
- Emphasis on 2023, and each analysis is based on the products with the higher quantities.
- Official trade data obtained from Benin customs and validated by the Fertilizer Technical Working Group - Benin (FTWG-BEN).
- 2023 data was validated from 4-5 April, 2024.

# Fertilizer production

## BENIN

### Fertilizer plants in Benin

#### Comments

- In Benin, there is no primary production of mineral fertilizers. However, the production of organic fertilizers is booming, the most important of which comes from the BIOPHYTO company.
- In 2023, they produced 24,680 MT, compared with 22,000 MT in 2022, marking an increase of 12%.
- Increased production of organic fertilizers is being driven by growing demand from farmers, who are turning to organic options to meet part of their needs. This trend is the result of the reduced supply of mineral fertilizers and their high cost. In addition, growers have a better understanding of the benefits for soil health and crop productivity, and are increasingly adopting them.



# Fertilizer imports

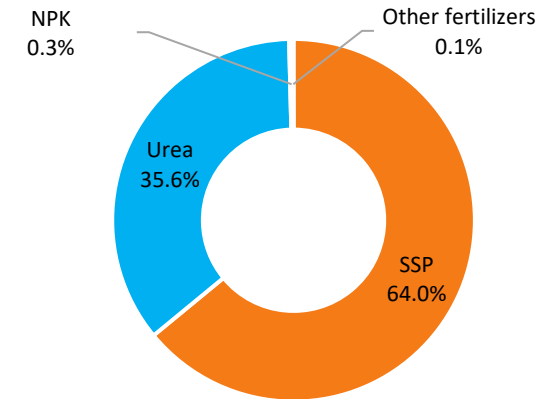
HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3103100000	SSP	-	-	-	-	214,204
3102100000	Urea	79,996	72,801	63,780	51,706	118,973
3105200000	NPK	270,619	196,828	176,295	211,988	1,122
	Other fertilizers	20,156	2,377	1,079	148	193
<b>Total (MT)</b>		<b>370,771</b>	<b>272,006</b>	<b>241,153</b>	<b>263,843</b>	<b>334,492</b>

## Comments

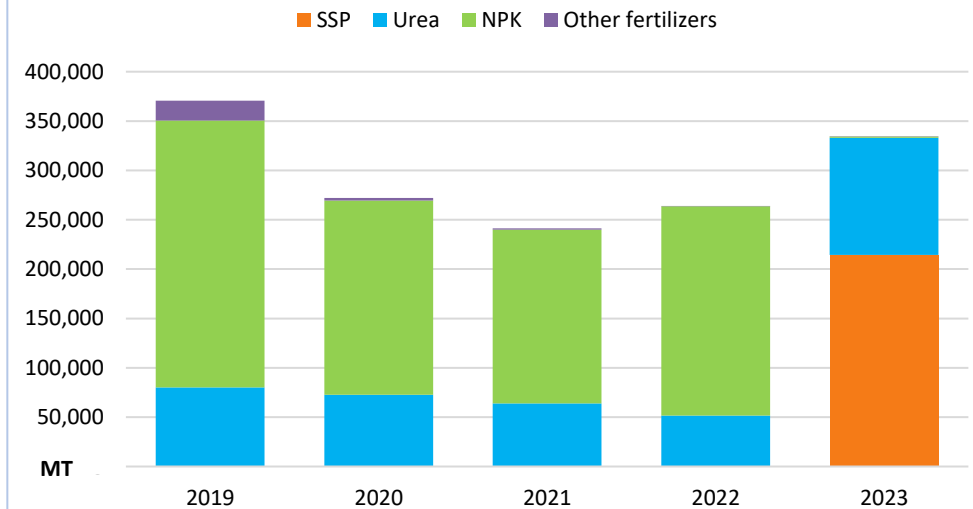
- In 2023, imports reached 334,492 MT, up 27% on the 263,843 MT imported in 2022. Two main factors explain this increase:
  - An increase in urea imports of 67,267 MT compared with 2022, to be used in combination with SSP, which has been introduced to replace the NPK traditionally ordered.
  - Strong demand for food fertilizers from Program-Projects supporting agricultural production.

# BENIN

## TOP FERTILIZERS IMPORTED IN 2023



## FERTILIZER IMPORTS PER YEAR



# Analysis of NPK imports

## BENIN

Product	2019	2020	2021	2022	2023	Crops
NPK 14-18-18 + 6S + 1B	74,902		155,689	190,796		2 Cotton
NPK 13-17-17 + 6S + 0.7Zn + 0.5B	39,912		19,903	21,142		Various food crops
NPK 10-5-26 + 5MgO			595			
Other NPKs	155,805	196,828	108	50	1,121	
<b>Total (MT)</b>	<b>270,619</b>	<b>196,828</b>	<b>176,295</b>	<b>211,988</b>	<b>1,122</b>	

### Comments

- In 2023, Benin refrained from importing and using compound NPK.
- SSP was imported in proportions similar to NPK and was used as a substitute for the NPK usually ordered.



NPK complex



NPK mix

# Monthly fertilizer imports

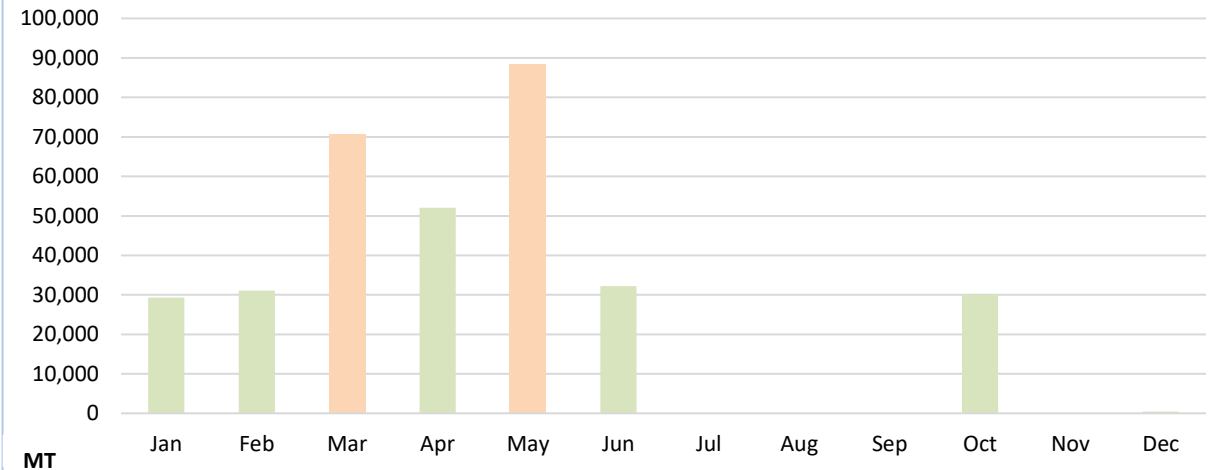
# BENIN

Quarter	2019	2020	2021	2022	2023
Q1	165,642	150,039	91,131	83,946	131,125
Q2	200,179	116,551	149,362	128,067	172,724
Q3	718	2,691	432	41,766	73
Q4	4,232	1,216	229	10,064	30,570
<b>Total (MT)</b>	<b>370,771</b>	<b>270,498</b>	<b>241,153</b>	<b>263,843</b>	<b>334,492</b>

## Comments

- In 2023, the largest orders were recorded in the first half of the year, reaching 303,849 MT of fertilizers, or 91% of the year's imports.
- The fertilizer import window is focused on the first half of the year to ensure adequate availability and meet needs during the crucial fertilizer use period (May - July).
- In the fourth quarter, 30,570 MT were imported in advance, mainly in response to the cotton tender.

### 2023 MONTHLY FERTILIZER IMPORTS IN BENIN

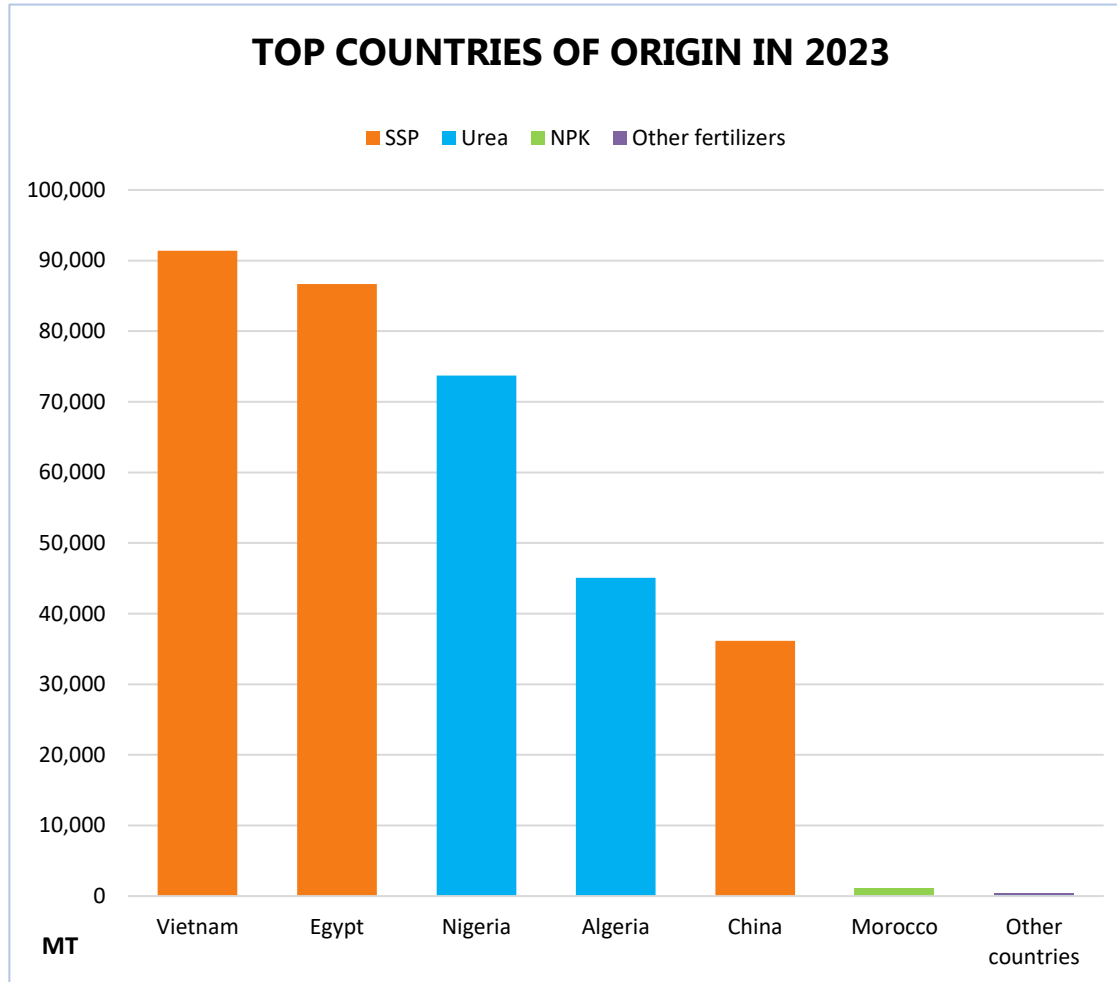


## Crop calendar

SEASON	Crops	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Long rainy season (long rains)	Maize (Main)			Sowing	Fertilizer peak demand	Growth	Growth	Growth	Harvest	Harvest			
	Maize (Second)	Harvest	Growth	Fertilizer peak demand	Fertilizer peak demand	Growth	Growth		Sowing	Sowing	Fertilizer peak demand	Fertilizer peak demand	Harvest
	Millet and sorghum					Sowing	Sowing	Sowing	Growth	Growth	Harvest	Harvest	
	Rice				Sowing	Sowing	Growth	Growth	Fertilizer peak demand	Harvest			
	Cotton					Sowing	Sowing	Growth	Growth	Harvest	Harvest		

Legend: ◆ Fertilizer peak demand Sowing Growth Harvest

Source: FAO/GIEWS: The main growing season begins in May/July



## Comments

- In 2023, Benin massively imported SSP as a substitute for NPK. Vietnam supplied 43% of these imported SSPs, followed by Egypt with 40%, and the remaining 17% came from China.
- Nigeria remains the main supplier of urea, accounting for 62% of imports, while Algeria supplied the remaining 38%.
- ❖ Exports to neighboring countries are very limited, amounting in 2023 to just 145 MT of organic fertilizer, all of which went to Togo.

# Apparent fertilizer consumption

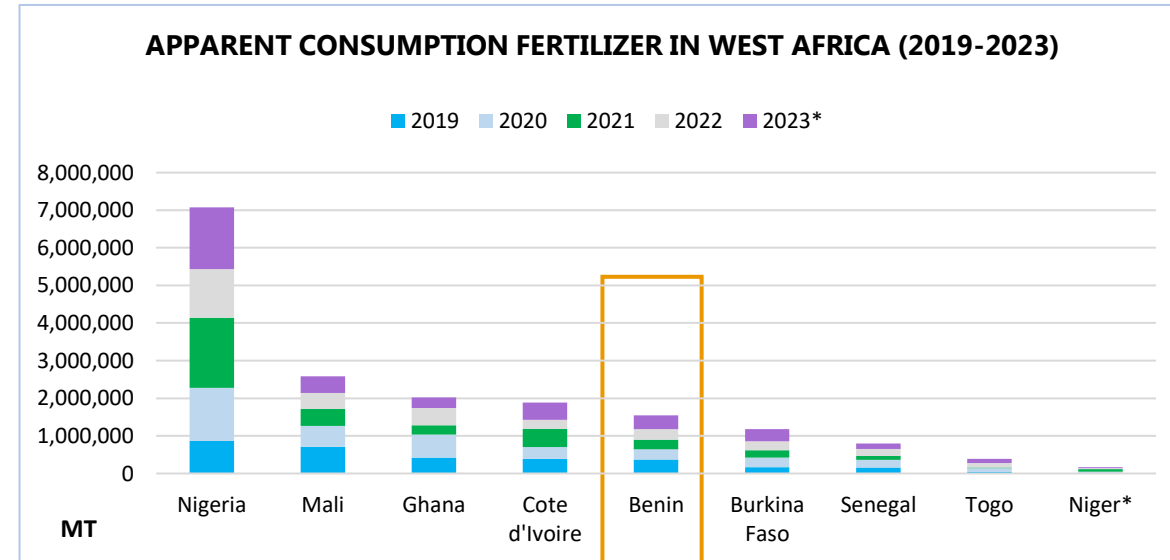
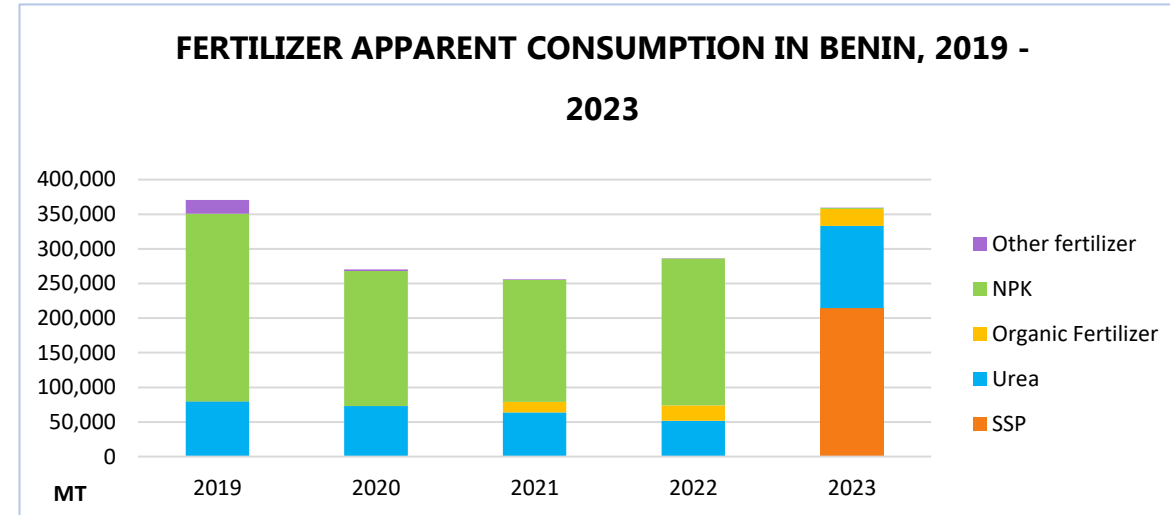
# BENIN

HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3103100000	SSP	-	-	-	-	214,204
3102100000	Urea	79,996	72,801	63,780	51,706	118,973
3101000000	Organic Fertilizer	12	52	15,043	22,127	24,728
3105200000	NPK	270,619	195,320	176,295	211,988	1,122
	Other fertilizer	20,144	2,215	1,036	21	0
<b>Total (MT)</b>		<b>370,771</b>	<b>270,388</b>	<b>256,153</b>	<b>285,842</b>	<b>359,027</b>

## Comments

- In 2023, apparent fertilizer consumption reached 359,027 MT, up 26% on 2022.
- This increase is the result of substantial imports, encouraged by the fertilizer subsidy program. This program aims to make fertilizers affordable for farmers, and to ensure sufficient availability throughout the agricultural season, in order to minimize the potential negative impact of international socio-economic conditions on national agricultural production.

NB: Apparent consumption = Production + Imports - Exports - Non-agricultural use.



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

# Summary of fertilizer statistics for 2023

# BENIN

HS Code	Product	Production	Imports	Exports	Non-agricultural use	Agricultural imports 2023	Apparent consumption 2023
3103100000	SSP		214,204			214,204	214,204
3102100000	Urea		118,973			118,973	118,973
3101000000	Organic Fertilizer	24,680	193		145	193	24,728
3105200000	NPK		1,122			1,122	1,122
3105300000	DAP		0			0	0
3104200000	MOP		0			0	0
3102300000	Ammonium Nitrate		1,476		1,476		-
<b>2023 Grand Total engrais (MT)</b>		<b>24,680</b>	<b>335,968</b>		<b>145</b>	<b>334,492</b>	<b>359,027</b>
<b>2022 Grand Total engrais (MT)</b>		<b>22,000</b>			<b>175</b>	<b>263,843</b>	<b>285,842</b>
<b>% Variation</b>		<b>12%</b>			<b>-17%</b>	<b>27%</b>	<b>26%</b>

# Participants of 2024 FTWG - Photo BENIN



The **AfricaFertilizer** initiative is the leading source of fertilizer statistics and information in Africa.

AfricaFertilizer aims to provide clear, relevant and timely data and information on the fertilizer market in the Sub-Saharan African region, to support the implementation of continental, regional and national policies and regulations relating to agriculture and fertilizers in particular, and to promote the growth and development of competitive markets, for the benefit of the public and private sectors and fertilizer stakeholders worldwide.



Africafertilizer



@AfricFertilizer



AfricaFertilizer

## Links

[AfricaFertilizer website](#)

[Benin country page](#)

[Benin 2023 Fertilizer Factsheet](#)