FERTILIZER STATISTICS OVERVIEW
MALI
2019 - 2023

2024 EDITION

Partners of 2024 FTWG

MALI

Mali

Outline

1. Production
2. Import
3. NPK Analysis
4. Origin
5. Export
6. Destination
7. Consumption (app)
8. Summary

Background Information

- Overview of fertilizer statistics in Mali from 2019 to 2023.
- The focus is on 2023, and each analysis is based on the products with the highest quantities.
- Data obtained from Malian Customs and validated by the Fertilizer Technical Working Group - Mali (FTWG-MLI).
- Data for 2023 were validated on April 17, 2024.

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Fertilizer production

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Comments

- Mali produces granulated rock phosphate (PNG), mainly supplied by TOGUNA Agro-Industries. By 2023, PNG production should reach 100,000 MT.

- ELEPHANT VERT, ORGAFERT and PROFEBA are the main producers of organic fertilizers. In 2023, organic fertilizer production reached 74,322 MT, marking a slight drop of 12% compared to the 84,206 MT produced in 2022. Despite the drop in organic fertilizer production, it has remained at the same levels for the past two years, compared with the figures prior to the COVID-19 crisis, which were below 50,000 MT.

- This trend can be explained by the strong demand for organic fertilizers under the subsidy program over the past 2 years. Faced with a crisis in the availability and rising prices of mineral fertilizers, Mali focused on improving access to organic fertilizers, which it began to subsidize almost as much as mineral fertilizers. What's more, farmers are increasingly turning to organic fertilizers to meet part of their needs, and now have a better understanding of their importance.

- DOUCOURÉ PARTENAIRE AGRO Industries (DPA), TOGUNA Agro-Industries and SOGEFERT have blending units in Ségou, Bamako and Sikasso respectively. They produce various types of NPK for local consumption as well as for the sub-region.

Fertilizer plants in Mali

Fertilizer imports

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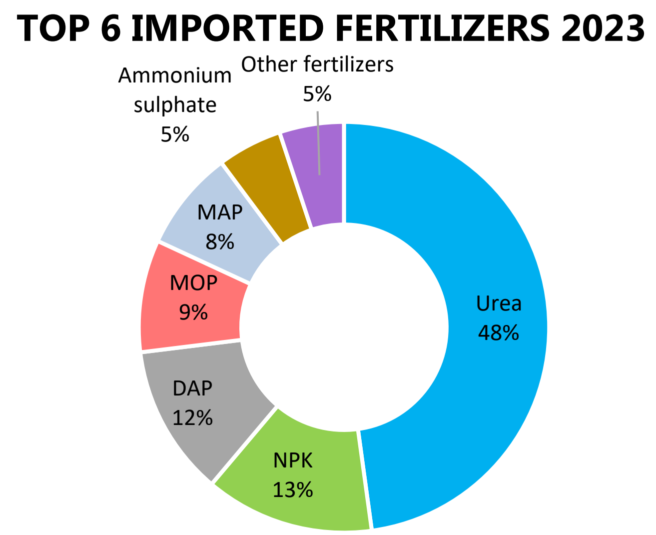
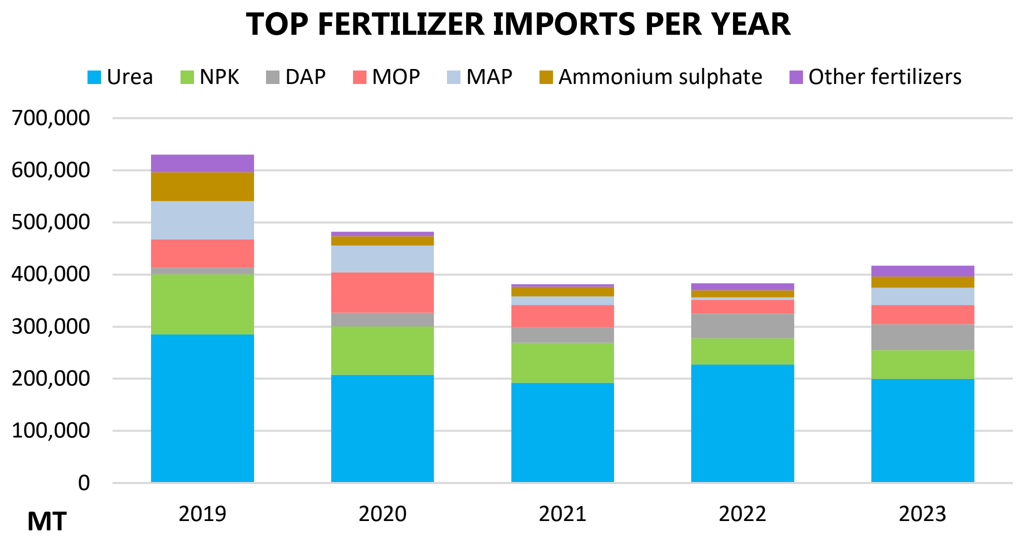
HS Code	Fertilizer name	2019	2020	2021	2022	2023
3102100000	Urea	284,941	207,642	192,127	227,372	199,510
3105200000	NPK	115,310	92,502	76,867	50,466	55,609
3105300000	DAP	13,268	26,464	29,817	46,766	49,593
3104200000	MOP	53,682	77,380	42,611	26,648	36,923
3105400000	MAP	73,707	51,689	16,765	4,930	32,965
3102210000	Ammonium sulphate	55,136	17,873	18,487	13,678	21,312
	Other fertilizers	33,759	8,286	4,753	13,431	21,216
Total (MT)		**629,804**	**481,836**	**381,426**	**383,292**	**417,128**

Comments

- Five main imported fertilizers, namely urea, DAP, MOP, MAP and ammonium sulfate, are used as materials to produce NPK fertilizers.
- By 2023, fertilizer imports have risen by 9%, from 383,292 MT in 2022 to 417,128 MT in 2023.
- The increase in imports is attributable to the resumption of imports of raw materials such as DAP, MOP, MAP and ammonium sulfate, which were much higher than in the previous year, indicating increased local NPK blending activity, mainly to meet demand for cotton, which remains one of the drivers of fertilizer demand in the country.





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NPK Import Analysis

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NPK Import	2022	2023
NPK	49 027	55 529
NPK 17-17-17	1 185	
NPK 15-15-15	205	40
NPK 16-26-12		40
NPK 12-10-18 + 2MgO	49	
Total (MT)	**50,466**	**55,609**

Main NPK Used
NPK 14-18-18-18 + 6S + 1B for Cotton
NPK 17-17-17 and NPK 15-15-15 for Cereals
NPK 16-26-12 + 4.5S + 0.3Zn for Rice
NPK 10-15-20 + 5S + 0.3Zn +-0.02B for Vegetables

Comments

- NPK in various formulations is also imported for direct sale to farmers.
- In 2023, 13% of fertilizer imports were NPK for direct application.

Blended NPK

Fertilizer Monthly Import

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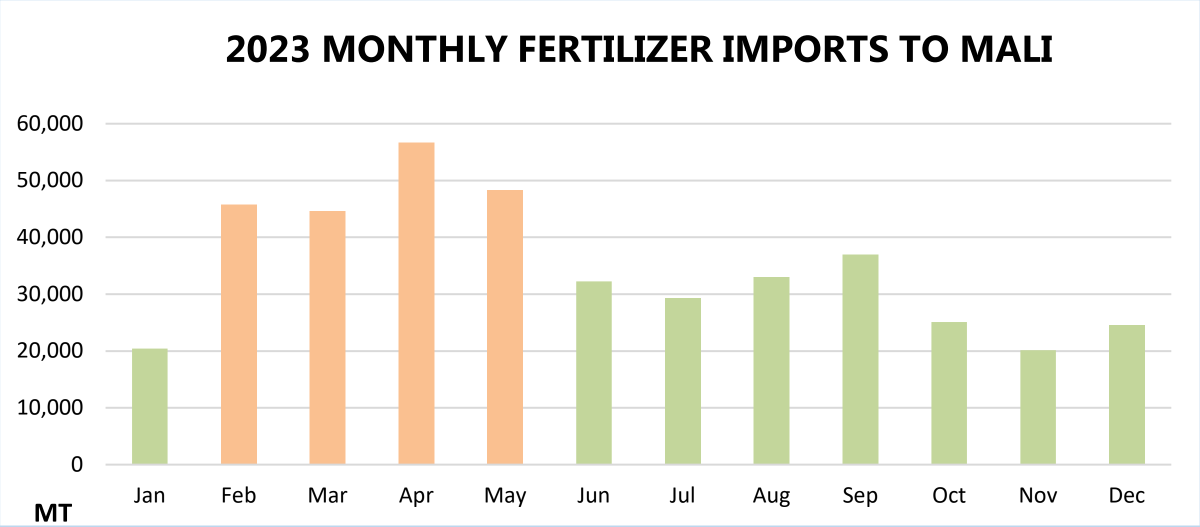
Quarter	2019	2020	2021	2022	2023
Q1	230,777	225,131	53,860	63,300	110,751
Q2	192,383	141,853	67,471	79,525	137,273
Q3	89,164	88,271	99,038	161,470	99,308
Q4	117,480	26,581	161,056	78,997	69,796
Total (MT)	**629,804**	**481,836**	**381,426**	**383,292**	**417,128**

Comments

- In 2023, fertilizer imports reached 59% of the annual total in the first half of the year, with a peak in April accounting for 14% of total imports.
- Taking into account the agricultural calendar, the market remained stable, with no pressure on supply, totalling 248,023 MT during the main fertilization period.
- The 17% of total imports in the last quarter are generally destined for the following year's off-season planting, in line with the agricultural calendar.



Crop Calendar

SEASON	CULTURES	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major Season (Long Rains)	Irrigated rice									♦	♦	♦	♦
	Maize					♦	♦	♦	♦				
	Millet					♦	♦	♦	♦				
	Rainfed rice						♦	♦	♦	♦	♦	♦	
	Sorgum					♦	♦	♦					
	Cotton					♦	♦	♦					

Fertilizer Peak Demand ♦ Sowing Growing Harvesting

Source: FAO/GIEWS

Fertilizer Origins

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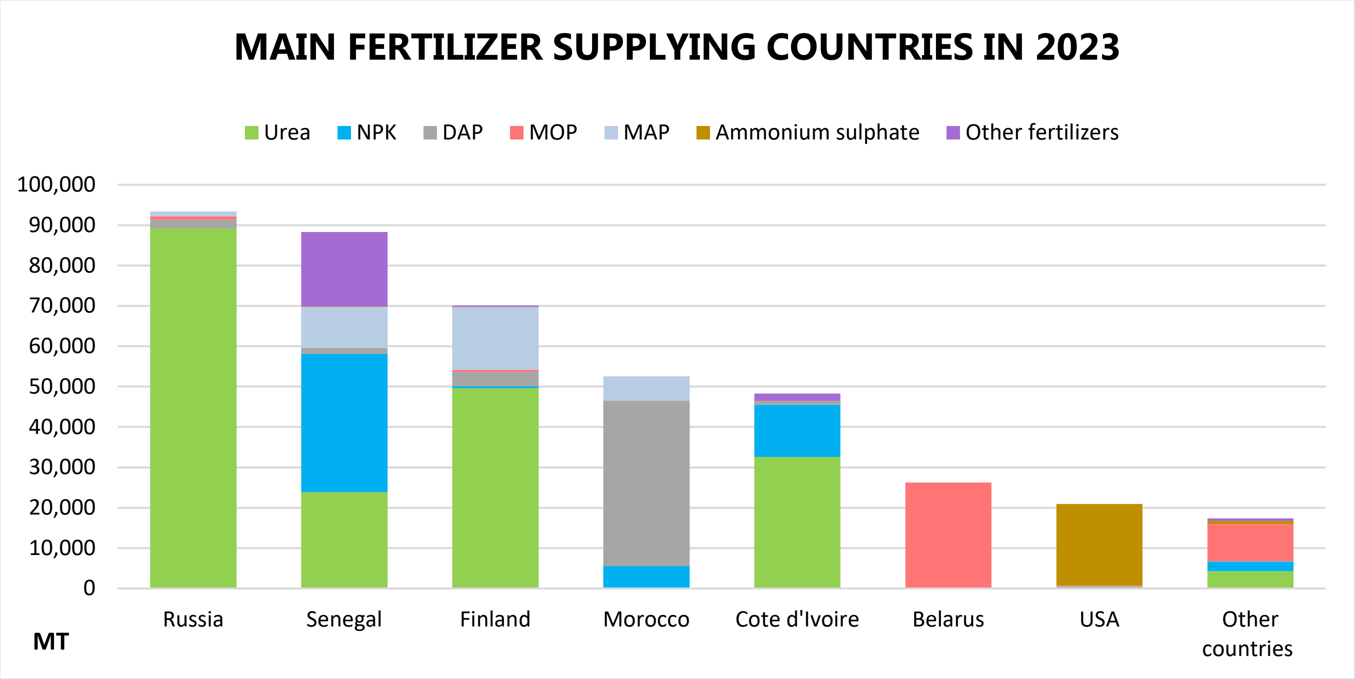

Comments

- Russia remains the main supplier of fertilizers, accounting for 22% of fertilizer imports in 2023.
- Despite the sanctions, operators continue to import urea from Russia, which accounts for 45% of urea imports, and MOP from Belarus, representing 71% of imports, using alternative solutions.
- Senegal remained the main supplier of NPK, accounting for 62% of NPK imports, while Morocco dominated the DAP market, accounting for 83% of DAP imports.

Fertilizer exports

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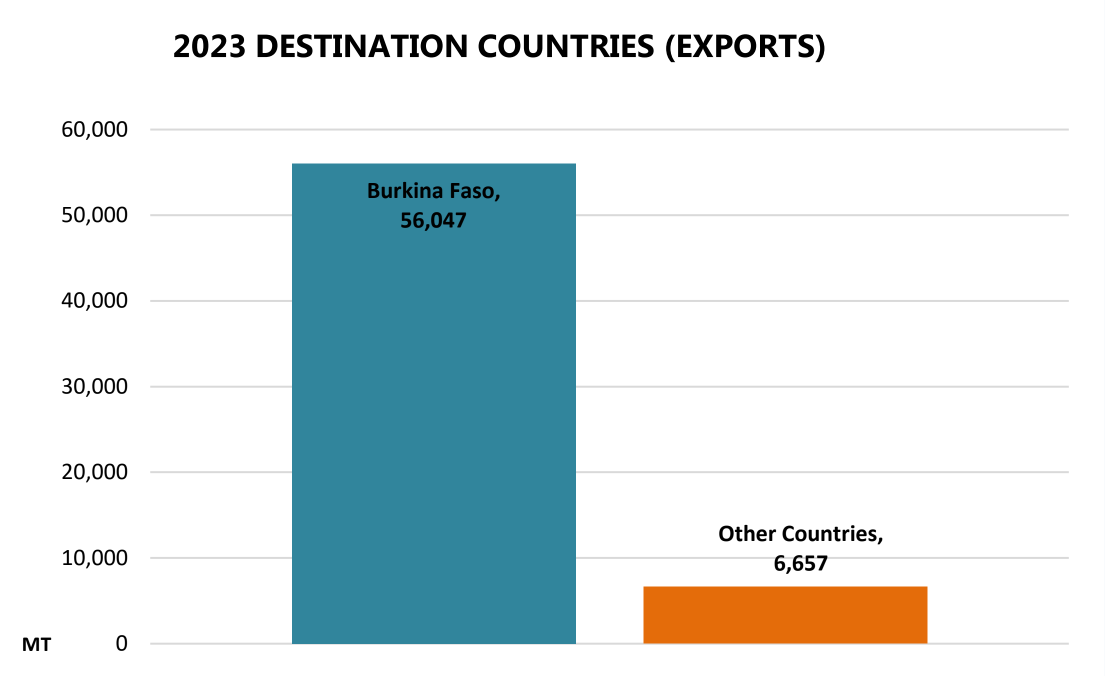
HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3105200000	NPK	70,291	47,813	47,102	32,128	56,579
3102100000	Urea	195	6,044	5,509	2,827	1,330
	Other fertilizers	240	838	1,585	807	4,795
Total (MT)		**70,726**	**54,695**	**54,196**	**35,762**	**62,704**



Comments

- Fertilizer exports have risen by 75%, from 35,762 MT in 2022 to 62,704 MT in 2023.
- This increase is due to the recovery in demand for fertilizers from Burkina Faso, Mali's main customer.
- By 2023, 89% of exports were destined for Burkina Faso.
- Of the 62,704 MT exported, 90% were NPK, while the remainder consisted of urea, DAP and organic fertilizers.

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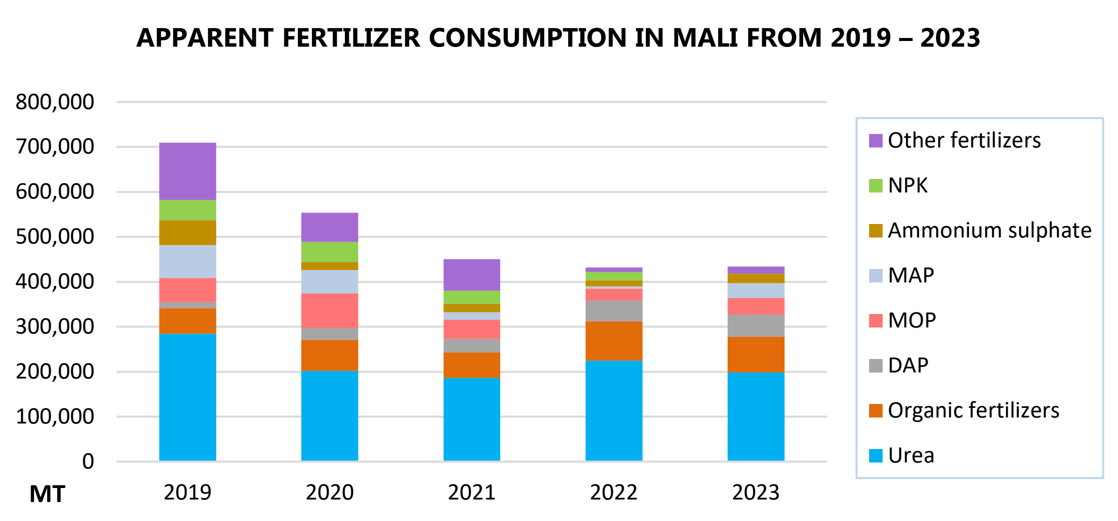
Fertilizer Apparent Consumption MALI

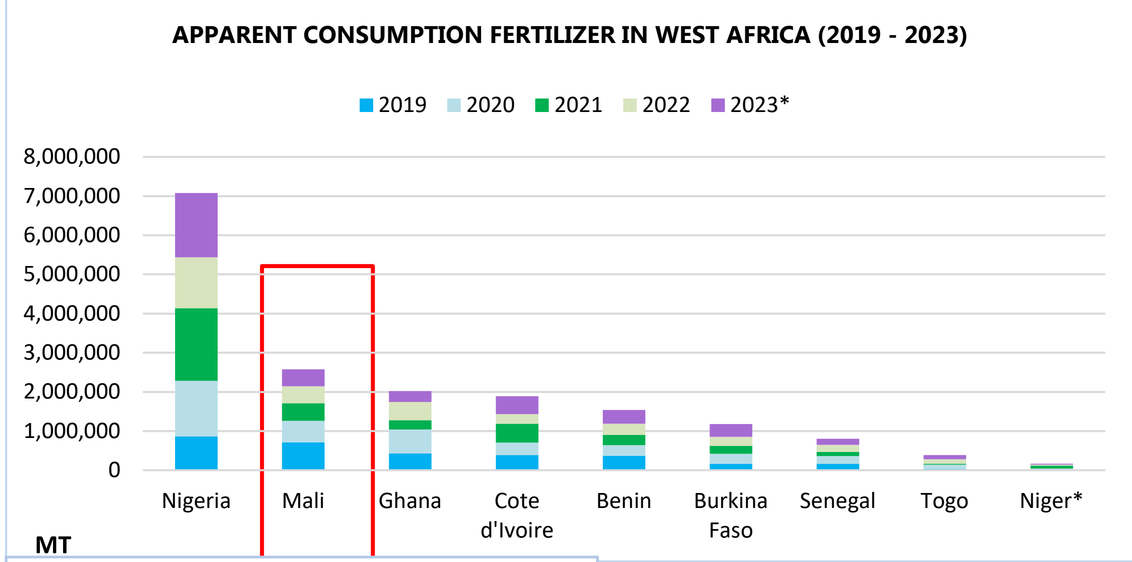
HS Code	Fertilizer Name	2019	2020	2021	2022	2023
3102100000	Urea	284,746	201,598	186,618	224,545	198,180
3101000000	Organic fertilizers	56,825	69,206	56,798	87,431	79,664
3105300000	DAP	13,028	26,394	29,763	46,266	49,533
3104200000	MOP	53,682	77,152	42,611	26,648	36,923
3105400000	MAP	73,707	51,689	16,572	4,930	32,965
3102210000	Ammonium sulphate	55,136	17,873	18,352	13,578	21,312
3105200000	NPK	45,018	44,689	29,765	18,338	-
	Other fertilizers	127,308	65,140	69,752	9,999	15,518
Total (MT)		**709,451**	**553,741**	**450,231**	**431,736**	**434,094**

Comments

- In 2023, apparent fertilizer consumption remains relatively stable, within the same range as the previous year, rising from 431,736 MT in 2022 to 434,094 MT in 2023.
- This stability was achieved by maintaining subsidized fertilizer prices at the same level as the previous year, and by setting reference prices 10% lower than those on the open market, in agreement with the private sector. These measures have enabled farmers to access fertilizers at reduced, affordable costs, thus helping to stabilize demand.

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





- Graph as of May 30, 2024
- Countries with (*) data yet to be validated

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Summary of 2023 Fertilizer Statistics

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HS Code	Product	Production	Import	Export	Non Fertilizer Use	Agricultural Imports 2023	Apparent Consumption 2023
3102100000	Urea		199,510	1,330		199,510	198,180
3101000000	Organic fertilizer	74,322	5,342			5,342	79,664
3105300000	DAP		49,593	60		49,593	49,533
3104200000	MOP		36,923			36,923	36,923
3105400000	MAP		32,965		0	32,965	32,965
3102210000	Ammonium sulphate		21,312			21,312	21,312
3103900000	Other phosphate fertilizers		15,354			15,354	15,354
3102600000	Calcium nitrate		142			142	142
3104300000	Potassium sulphate		22			22	22
3102300000	Ammonium nitrate		14,654		14,654		-
3102500000	Sodium nitrate		22		22		-
3105200000	NPK		55,609	56,579		55,609	(970)
9999999990	Dolomie, Biostimulant		357	4,735		357	(4,378)
2023 Grand Total (MT)		**74,322**	**431,803**	**62,704**	**14,676**	**417,128**	**434,094**
2022 Grand Total (MT)		**84,206**		**35,762**		**383,292**	**431,736**
% Change		-12%		75%		9%	1%

Participants of 2024 FTWG

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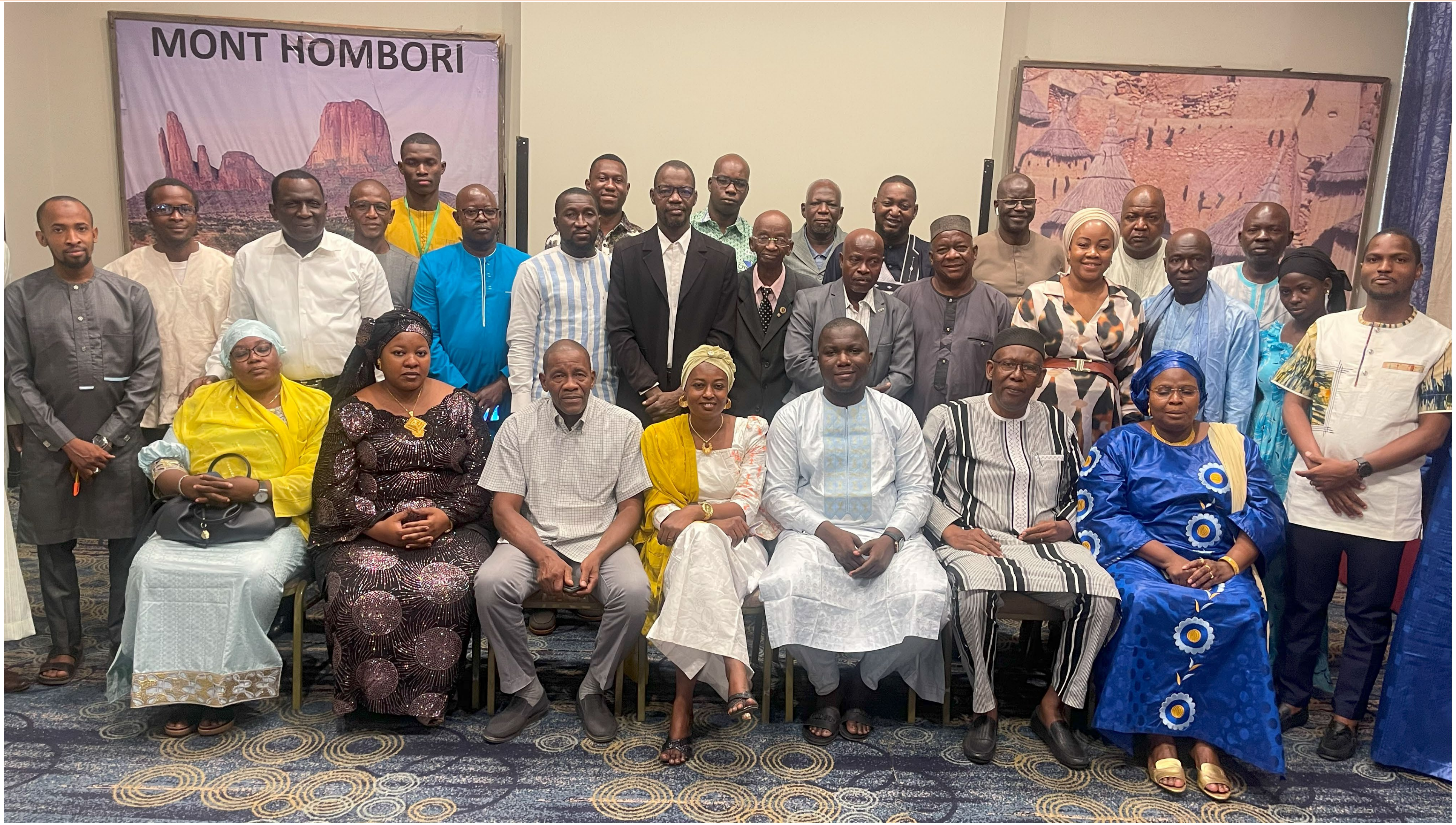

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About us

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

AfricaFertilizer seeks to provide clear, relevant and timely data and information on the fertilizer market in the Sub-Saharan African region, in order to support the implementation of continental, regional and national policies and regulations on agriculture and fertilizers in particular, and to promote the growth and development of competitive markets, in the interests of both the public and private sectors, and fertilizer industry players worldwide.

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