



# FERTILIZER STATISTICS OVERVIEW RWANDA 2017 – 2022\*

2022 Edition – **Version 2**

# Rwanda

## Outline

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

## Background Information

- Overview of fertilizer statistics in Rwanda from 2017 to June 2022.
- Emphasis is on 2021, and each analysis is based on the products with higher quantities.
- Official trade data obtained from Rwanda Agriculture and Animal Resources Development Board (RAB).
- Validated by Fertilizer Technical Working Group.
- 2020 – 2022 (June) data validated from 29<sup>th</sup> – 30<sup>th</sup> June, 2022.

# Fertilizer Production

## RWANDA

### Comments

- There is no primary production of fertilizers in Rwanda.
- Enterprise Nkubili (ENAS) has a blending plant in Kigali, operating since 2016.
- OCP Africa in Rwanda is building a blending facility in Kagasa that was supposed to be finished in 2019, but it's uncertain when it will be finished since it's been under construction for more than 2.5 years.
- Major fertilizer importers includes Yara, ETG, Rwanda Fertilizer Company and One Acre Fund.

### Fertilizer Plants in Rwanda



- Manufacturing
- Processing
- New Plant
- Organic

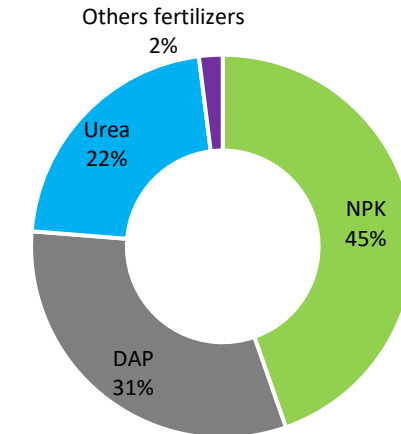
# Fertilizer Import

# RWANDA

HS Code	Fertilizer Name	2017	2018	2019	2020	2021	2022*
3105200000	NPK	26,257	25,435	36,900	46,645	38,317	17,995
3105300000	DAP	17,422	13,573	27,163	25,936	27,117	10,211
3102100000	Urea	12,436	15,688	18,936	22,644	18,662	5,490
	Others fertilizers	1,806	3,111	2,652	1,163	1,709	1,204
<b>Total (mt)</b>		<b>57,921</b>	<b>57,808</b>	<b>85,651</b>	<b>96,389</b>	<b>85,806</b>	<b>34,900</b>

2022\* data till June

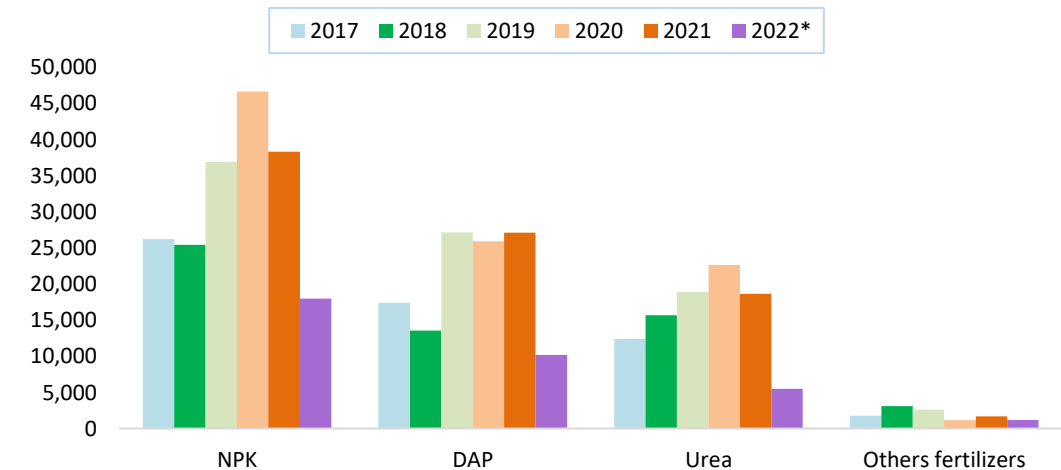
TOP 3 IMPORTED FERTILIZERS 2021



## Comments

- Historically, the major fertilizers imported to Rwanda are NPK with different grades, DAP and Urea.
- Fertilizer imports decreased by 11% from 96,389mt in 2020 to 85,806mt in 2021.
- Between January to June 2022, about 34,900mt of fertilizers have been imported into Rwanda.

TOP FERTILIZER IMPORTS PER YEAR

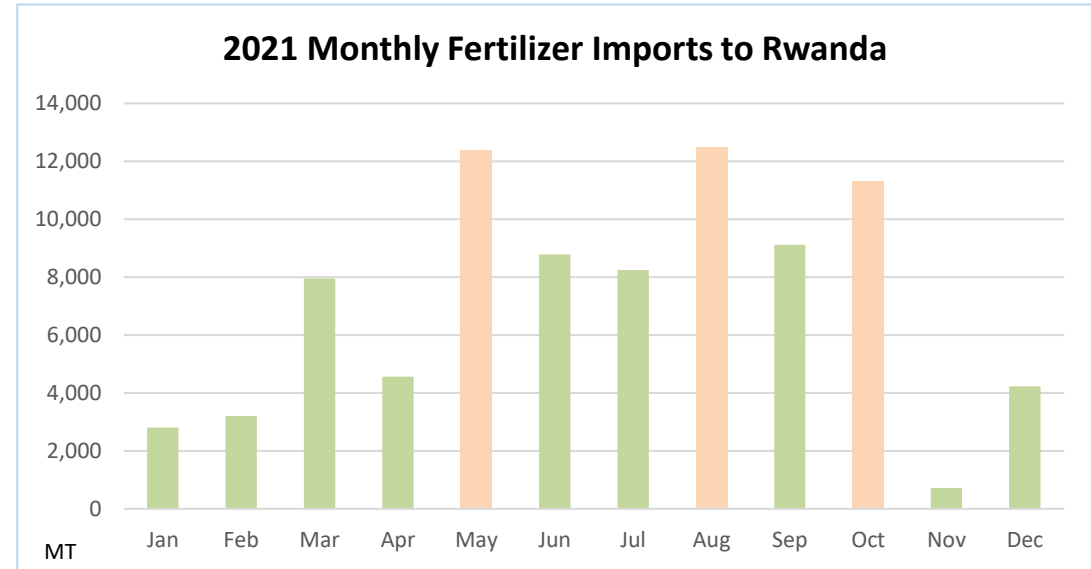


# Fertilizer Monthly Import

# RWANDA

Quarter	2017	2018	2019	2020	2021	2022*
Q1	10,159	10,488	11,564	12,907	13,969	16,849
Q2	3,334	5,203	16,064	20,204	25,703	18,051
Q3	33,816	23,335	30,140	39,511	29,864	-
Q4	10,612	18,782	27,884	23,767	16,270	-
<b>Total (mt)</b>	<b>57,921</b>	<b>57,808</b>	<b>85,651</b>	<b>96,389</b>	<b>85,806</b>	<b>34,900</b>

2022\* data till June



## Comments

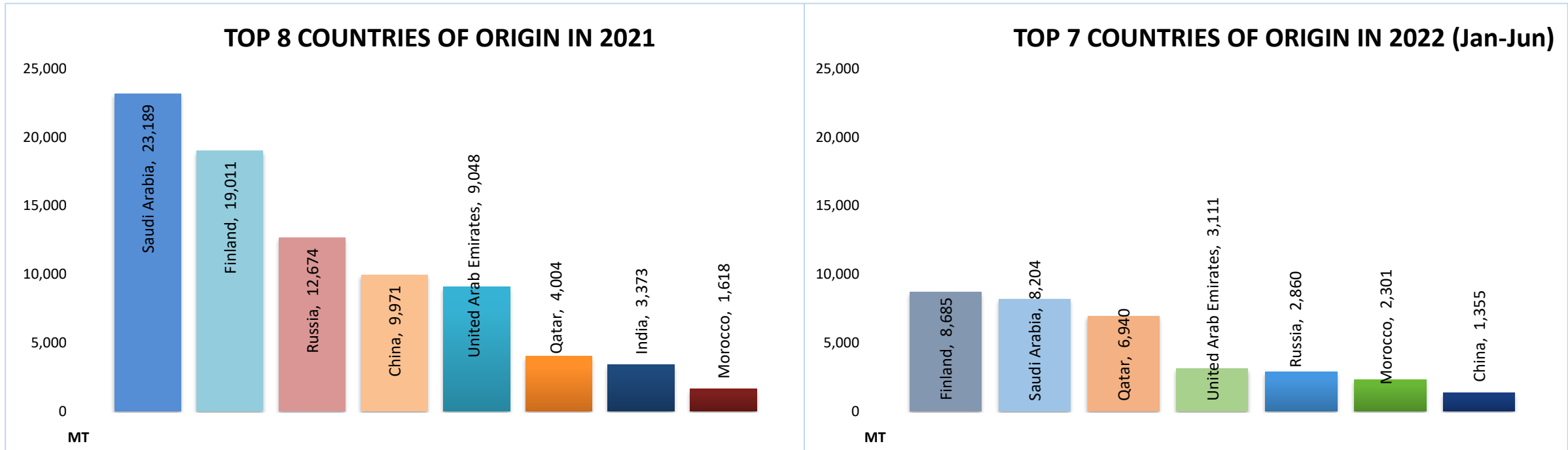
- Fertilizers mostly reach Rwanda in Q3 as the main A season starts in September where farmers need fertilizers the most.
- In 2021, fertilizer import was high in May, August and October.

## Crop Calendar

CROPS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maize (A Season)									◆	◆		
Maize (B Season)		◆	◆									
Sorghum (A Season)									◆	◆		
Sorghum (B Season)		◆	◆									

Key: ◆ Fertilizer Peak Demand    Sowing    Growing    Harvesting

Source : FAO/GIEWS, Peak demand: AfricaFertilizer.org



## Comments

- In 2021, most of Rwanda’s fertilizers were imported from Saudi Arabia (27%) Finland (22%) and Russia (15%).
- Out of the 34,900mt of fertilizers that has been imported in 2022, 25% came from Finland, 24% from Saudi Arabia and 20% from Qatar.

# NPK Import Analysis

# RWANDA

NPK Import	2017	2018	2019	2020	2021	2022*	Major Crops
NPK 17-17-17	15,471	13,592	20,692	20,155	22,460	8,998	Irish Potato, Rice and Vegetables
NPK 22-6-12 + 3S	4,896						Maize, Wheat, Beans, Soyabean, other cereals
NPK 15-9-20 + 4S	1,587	1,340	952	1,408	1,308	559	Irish Potato, Rice and Vegetables
NPK 26-5-5	1,250						
NPK 23-10-5 + TE	634	887	1,437	4,635	2,085	1,154	Maize, Wheat, Beans, Soyabean, other cereals
NPK 25-5-5 + 4S			5,718	14,353	7,456	6,940	Tea
NPK 22-6-12 + 2CaO + 1MgO + TE		7,172	7,842	5,067	3,631	60	Coffee
Other NPKs	2,420	2,444	259	1,028	1,378	285	
<b>Total (mt)</b>	<b>26,257</b>	<b>25,435</b>	<b>36,900</b>	<b>46,645</b>	<b>38,317</b>	<b>17,995</b>	

## Comments

- Different grades of NPK are imported to be used on different types of crops.
- The table above lists the most popular NPK imported, the volumes and the crops they are often used on.



NPK Blend

# Fertilizer Re-Exports

# RWANDA

HS Code	Fertilizer Name	2017	2018	2019	2020	2021	2022*	
3105200000	NPK			0		1	158	96
3105300000	DAP							
	Others fertilizers			6			64	
<b>Total (mt)</b>		-	6	-	1	222	96	

*2022\* data till June*

## Comments

- There are a few re-exports of fertilizers from Rwanda to neighboring countries.

# Fertilizer Apparent Consumption

# RWANDA

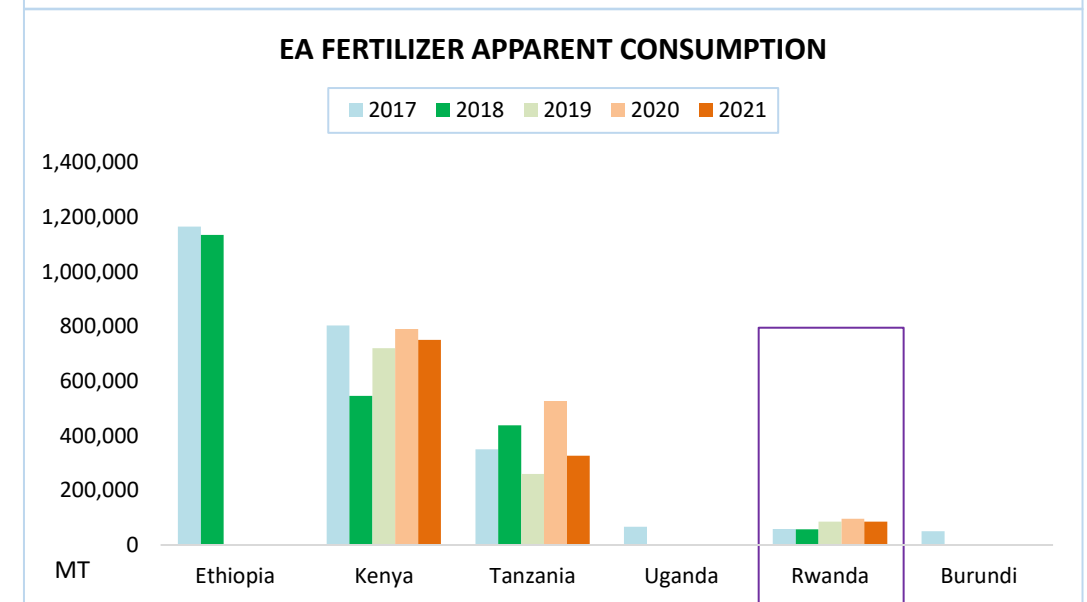
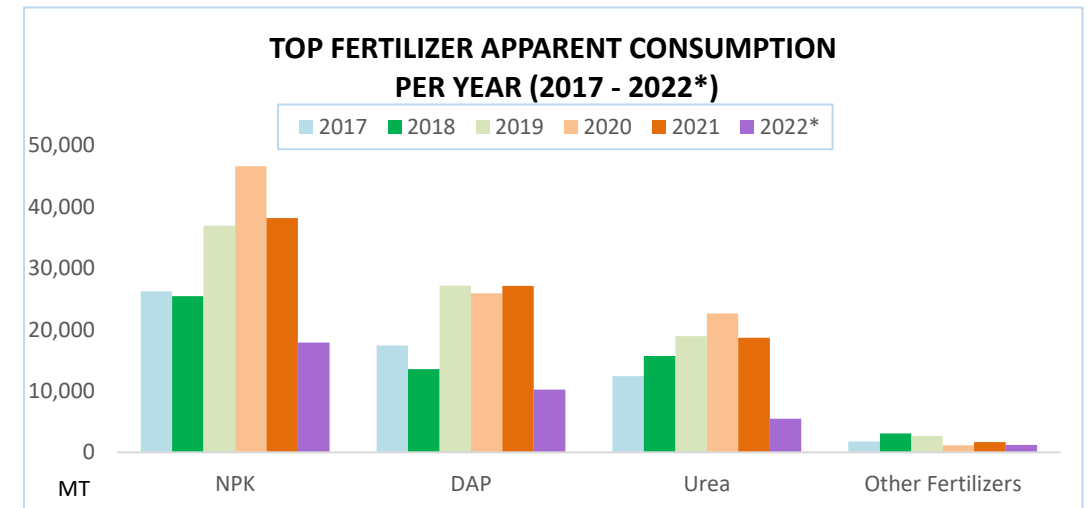
HS Code	Fertilizer Name	2017	2018	2019	2020	2021	2022*
3105200000	NPK	26,237	25,435	36,900	46,644	38,159	17,899
3105300000	DAP	17,422	13,573	27,163	25,936	27,117	10,211
3102100000	Urea	12,436	15,688	18,936	22,644	18,662	5,490
	Other Fertilizers	1,806	3,105	2,652	1,163	1,707	1,204
<b>Total (mt)</b>		<b>57,901</b>	<b>57,802</b>	<b>85,651</b>	<b>96,388</b>	<b>85,645</b>	<b>34,804</b>

2022\* data till June

## Comments

- Fertilizer apparent consumption decreased by 11% from 96,388mt in 2020 to 85,645mt in 2021.
- Although the Government increased the fertilizer subsidy for staple crops which covers 10 crops in the country, global fertilizer price increases and cross border measures with neighbouring countries affected slightly the apparent consumption in 2021.

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



# Summary of 2020 Fertilizer Statistics

# RWANDA

HS code	Product	Production	Total Imports	Exports	Non Fertilizer Use	Fertilizer Imports	2020 Apparent Consumption
3105200000	NPK		46,645	1		46,645	46,644
3105300000	Diammonium Phosphate		25,936			25,936	25,936
3102100000	Urea		22,644			22,644	22,644
3102600000	Calcium Nitrate		625			625	625
3104200000	Muriate of Potash		160		0	160	160
9999999990	Enhancers		107			107	107
3102400000	Calcium Ammonium Nitrate		71			71	71
2834210000	Potassium nitrate		65			65	65
3102210000	Ammonium sulphate		64		5	59	59
3103100000	Single Super Phosphate		32			32	32
3105510000	NP compound		17			17	17
3105600000	PK compound		15			15	15
3102900000	Nitrogen fertilizer		10			10	10
3105700000	NK compound		2			2	2
3103900000	Phosphate fertilizer		1			1	1
3102300000	Ammonium Nitrate		373		373		-
<b>Grand Total (MT)</b>		-	<b>96,766</b>	<b>1</b>	<b>378</b>	<b>96,389</b>	<b>96,388</b>

# Summary of 2021 Fertilizer Statistics

# RWANDA

HS code	Product	Production	Total Imports	Exports	Non Fertilizer Use	Fertilizer Import	2021 Apparent Consumption
3105200000	NPK		38,317	158		38,317	38,159
3105300000	Diammonium Phosphate		27,117		0	27,117	27,117
3102100000	Urea		18,662		0	18,662	18,662
3104200000	Muriate of Potash		664		0	664	664
3102600000	Calcium Nitrate		519		0	519	519
9999999990	Enhancers		150			150	150
2834210000	Potassium nitrate		128			128	128
3102400000	Calcium Ammonium Nitrate		94			94	94
3105600000	PK compound		57			57	57
3102900000	Nitrogen fertilizer		34			34	34
3105510000	NP compound		30			30	30
3103100000	Single Super Phosphate		18			18	18
3105400000	Monoammonium Phosphate		11		0	11	11
3103900000	Phosphate fertilizer		4			4	4
3102210000	Ammonium sulphate		0			0	0
3102300000	Ammonium Nitrate		305		305		-
3101000000	Organic fertilizer		2	64		2	(62)
<b>Grand Total (MT)</b>		-	<b>86,111</b>	<b>222</b>	<b>305</b>	<b>85,806</b>	<b>85,645</b>

# Summary of 2022(Jan – Jun) Fertilizer Statistics

# RWANDA

HS code	Product	Production	Total Imports	Export	Non Fertilizer Use	Fertilizer Imports	2022* Apparent Consumption
3105200000	NPK		17,995	96		17,995	17,899
3105300000	Diammonium Phosphate		10,211			10,211	10,211
3102100000	Urea		5,490		0	5,490	5,490
3105510000	NP compound		738			738	738
3102600000	Calcium Nitrate		237			237	237
3104200000	Muriate of Potash		101		4	97	97
9999999990	Enhancers		69			69	69
2834210000	Potassium nitrate		39			39	39
3105600000	PK compound		16			16	16
3102900000	Nitrogen fertilizer		7			7	7
3105700000	NK compound		1			1	1
3102210000	Ammonium sulphate		0		0		-
3102300000	Ammonium Nitrate		105		105		-
<b>Grand Total (MT)</b>		<b>-</b>	<b>35,009</b>	<b>96</b>	<b>109</b>	<b>34,900</b>	<b>34,804</b>



# Participants of 2022 FTWG

RWANDA



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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## Links

[Rwanda Fertilizer Statistics overview 2013 – 2017](#)

[May 2018 Workshop Report](#)