



FERTILIZER STATISTICS OVERVIEW UGANDA 2018 – 2022

2023 Edition

Uganda

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 Uganda from 2018 – 2022 and with 2023 Jan – May data.
- Emphasis is on 2022, and each analysis is based on the products with higher quantities.
- Official trade data obtained from Uganda Revenue Authority through the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF).
- Validated by Fertilizer Technical Working Group.
- 2022 data validated from 19th – 20th July, 2023.

Fertilizer Production

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Comments

- There is no primary production of mineral fertilizers in Uganda.
- The country has established an organic fertilizer production facility known as the Sukulu Organic Plant, located in Eastern Tororo near the Uganda-Kenya border. This plant has been operational since 2018. However, there has been no significant production thus far.
- Grainpulse Limited has made investments in a blending plant that creates various NPK formulations for Ugandan farmers since the same year, 2018.

Fertilizer Plants in Uganda



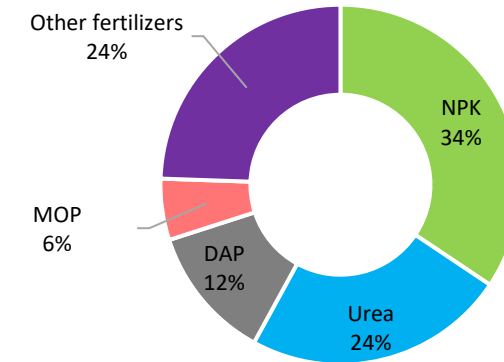
Fertilizer Import

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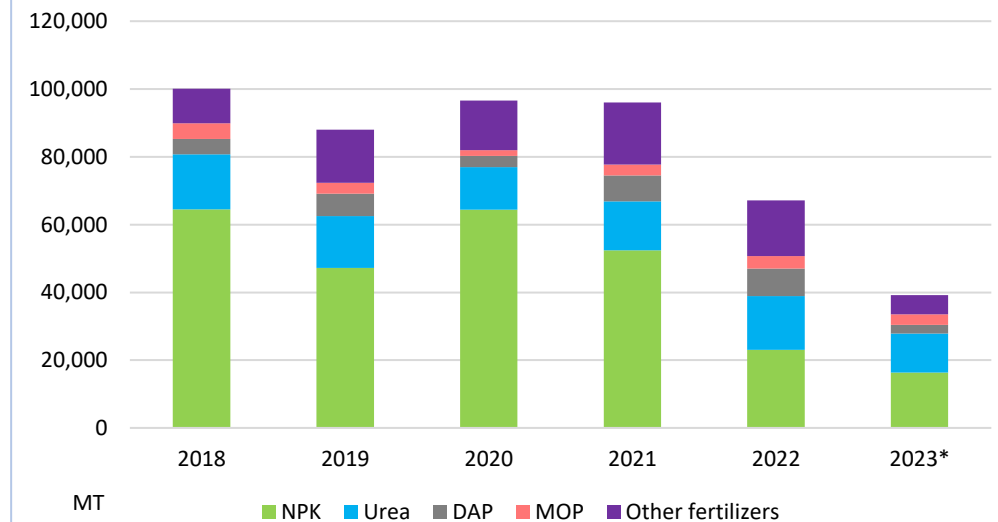
HS Code	Fertilizer Name	2018	2019	2020	2021	2022	2023*
3105200000	NPK	64,543	47,220	64,442	52,409	23,086	16,305
3102100000	Urea	16,256	15,313	12,543	14,447	15,831	11,565
3105300000	DAP	4,452	6,570	3,279	7,710	8,099	2,565
3104200000	MOP	4,701	3,223	1,740	3,176	3,696	3,051
	Other fertilizers	10,169	15,723	14,625	18,311	16,418	5,674
Total (mt)		100,120	88,048	96,629	96,053	67,130	39,161

2023* data till May

TOP 4 IMPORTED FERTILIZERS 2022



UGANDA FERTILIZER IMPORTS PER YEAR



Comments

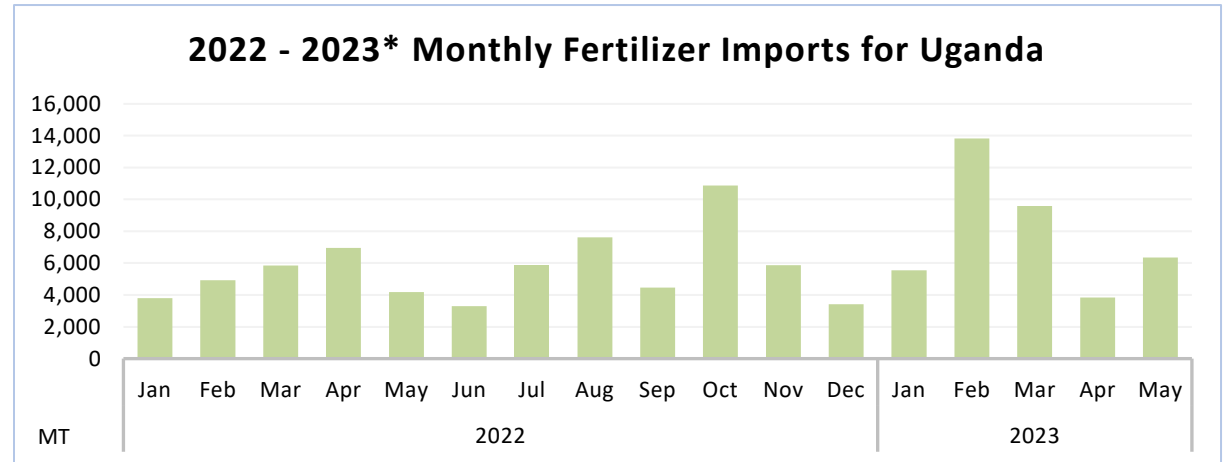
- The major fertilizers imported to Uganda are various grades of NPK and Urea.
- The official importation of fertilizers into Uganda has been fluctuating over the years. The peak in fertilizer imports since 2010 was observed in 2018, totaling about 100,120MT.
- There was a stable fertilizer importation between 2020 and 2021, with a marginal decrease of about 0.6%. However, there was a more substantial decrease between 2021 and 2022, with imports decreasing by around 30%.
- A fertilizer subsidy program has been supporting farmers in Uganda since 2016. The program however ended in the 1st season of 2022 which affected the imports of 2022.
- Between January to May 2023, about 39,161MT of fertilizers have been imported into Uganda.

Fertilizer Monthly Import

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Quarter	2018	2019	2020	2021	2022	2023*
Q1	29,537	21,055	24,947	25,577	14,570	28,972
Q2	24,964	28,533	20,420	20,721	14,426	10,189
Q3	19,597	22,720	34,261	27,108	17,964	-
Q4	26,023	15,740	17,002	22,646	20,170	-
Total (mt)	100,120	88,048	96,629	96,053	67,130	39,161

2023* data till May



Comments

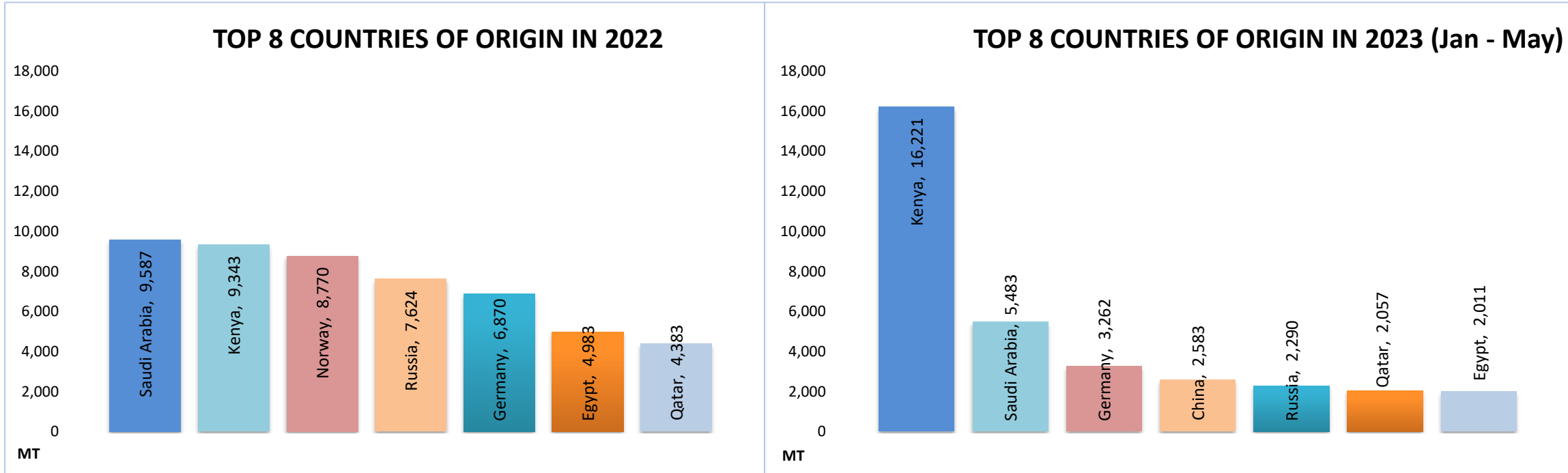
- In Uganda, the initial planting period (Season 1) begins from January to June, with planting starting mostly in March. The subsequent season (Season 2) spans from July to December, with planting starting mostly in August.
- During the year 2022, the peak import was in Q4 with October recording 10,871MT.

Crop Calendar

SEASON	CROPS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Beans(South/Main)		◆	◆	◆	◆							
	Beans(South/Second)									◆	◆	◆	
	Cassava (North)				◆	◆	◆	◆					
Major Season	Maize & Millet (South/Second)									◆	◆	◆	
(Long Rains)	Maize(North)				◆	◆	◆	◆					
	Maize (South/Main)		◆	◆	◆	◆							
	Millet(North)				◆	◆	◆	◆					
	Millet(South/Main)		◆	◆	◆	◆							
	Sweet Potato (North)				◆	◆	◆	◆					
Lean period	Beans, Maize, Cassava, Millet					◆	◆						

Key: ◆ Fertilizer Peak Demand Sowing Growing Harvesting

Source : FAO/GIEWS, Peak demand: AfricaFertilizer



Comments

- In 2022, 36% of NPK was imported from Norway, 17% from Kenya, 15% from Russia, 9% from UAE and the remaining 23% from other countries.
- In terms of Urea imports, 27% was from Qatar, 26% from Saudi Arabia, 25% from Russia, 9% from Egypt and the remaining 11% from other countries.
- Between January to May of 2023, 66% of NPK have been imported from Kenya, 14% from Russia and the remaining 20% from other countries.
- 46% of Urea have been imported from Saudi Arabia, 22% from Kenya, 16% from Qatar and the remaining 16% from other countries.

NPK Import Analysis

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HS Code	Fertilizer Name	2018	2019	2020	2021	2022	2023*
3105200000	Total NPK	64,543	47,220	64,442	52,409	23,086	16,305
3105510000	Total NP	5	38	52	0	0	22
3105700000	Total NK	60	1,373	1,633	2,015	1,394	28
3105600000	Total PK	295	229	152	313	123	53
Total (mt)		64,902	48,860	66,279	54,738	24,603	16,408

2023* data till May

NPK, NP, PK and NK Impot	2018	2019	2020	2021	2022	2023*	Major Crops
NPK	52,051	32,688	47,637	41,829	14,663	12,128	
NPK 17-17-17	1,864	4,578	3,595	4,311	2,605	1,732	Coffee, Rice, Sugar cane
NPK 10-6-24 + TE	5,423	2,119	3,981	1,968	1,454	-	Cotton
NPK 25-5-5 + 5S	1,098	2,994	2,343	58	1,513	1,061	Tea
NPK 22-6-12 + 3S + TE	2,045	1,803	544	952	183	200	Tea, Coffee
Others	2,421	4,679	8,178	5,620	4,186	1,287	
Total (mt)	64,902	48,860	66,279	54,738	24,603	16,408	

Comments

- Major fertilizer companies import finished NPKs with various grades to sell directly to farmers. NPKs are used as basal fertilizers.
- The main NPK grade used in the country is NPK 17-17-17. A significant portion of the "NPK" that are indistinguishable includes also NPK 17-17-17.

Fertilizer Re-Exports

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HS Code	Fertilizer Name	2018	2019	2020	2021	2022	2023*
3105200000	NPK	56	61	72	1,879	72	125
3102100000	Urea	67			16		20
	Other fertilizers	14	375	261	557	119	19
Total (mt)		137	436	333	2,452	190	164

Comments

- Official re-exports of fertilizers from Uganda to neighboring Uganda to South Sudan and Democratic Republic of Congo are minimal.
- While unofficial cross-border exports might occur with neighboring countries, there are no available estimates or figures to quantify this.

Fertilizer Apparent Consumption

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HS Code	Fertilizer Name	2018	2019	2020	2021	2022	2023*
3105200000	NPK	64,487	47,160	64,370	50,530	23,015	16,180
3102100000	Urea	16,190	15,313	12,543	14,431	15,831	11,544
3105300000	DAP	4,452	6,563	3,248	7,710	8,099	2,565
3104200000	MOP	4,701	3,223	3,248	3,176	3,696	3,051
	Other fertilizers	10,154	15,354	12,935	18,231	16,299	5,663
Total (mt)		99,983	87,613	96,344	94,078	66,940	39,004

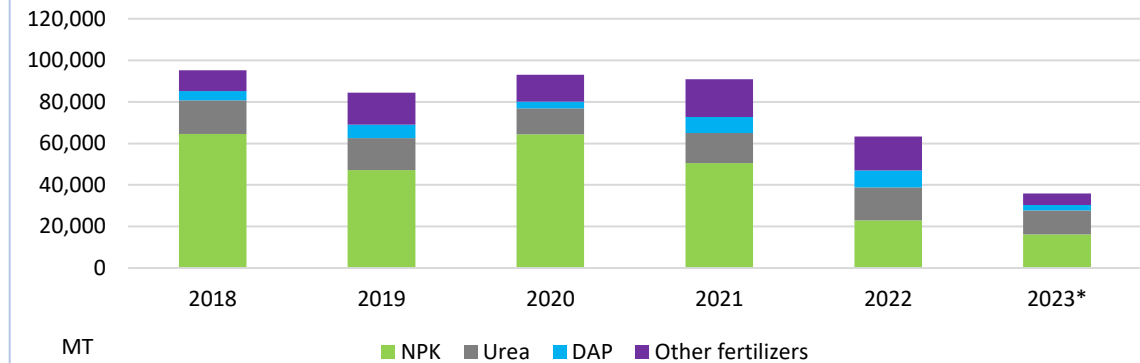
2023* data till May

Comments

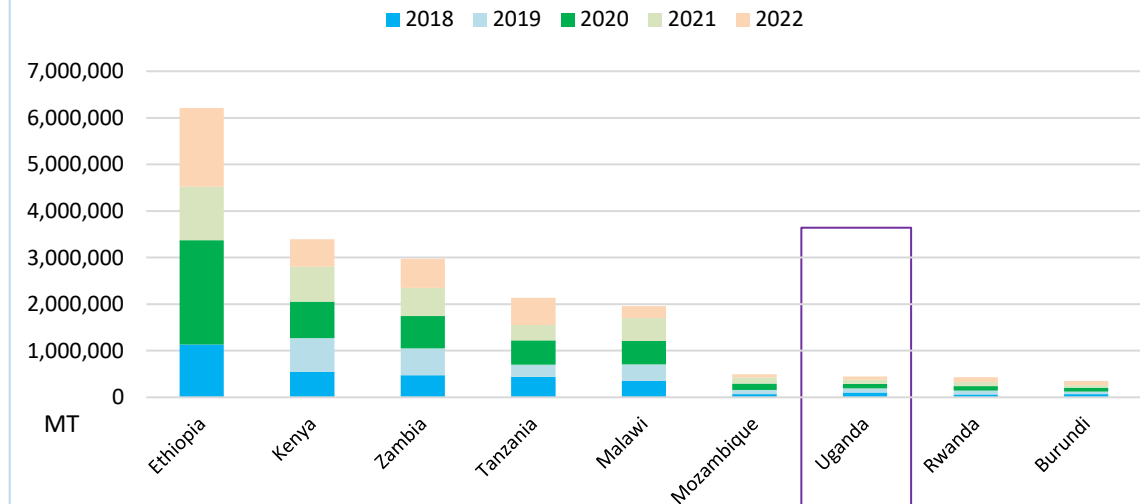
- Similar to fertilizer imports, the apparent consumption in 2022 reduced by 29% from 94,078MT in 2021 to 66,940MT in 2022.
- The ending of the Fertilizer Subsidy program and the high-cost fertilizers on the global market affected the imports of fertilizers thereby affecting apparent consumption.

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

TOP FERTILIZER APPARENT CONSUMPTION PER YEAR (2018 - 2023*)



ESA FERTILIZER APPARENT CONSUMPTION



- Some features of the fertilizer subsidy program in Uganda include:
 - ✓ In 2016, the Agriculture Cluster Development Project (ACDP) was launched with support from the World Bank.
 - ✓ One of the primary goals of the program was to provide support to smallholder farmers by offering subsidized farm inputs, including fertilizers and seeds.
 - ✓ The distribution of subsidized fertilizers through the program commenced in 2018.
 - ✓ The government contributes 67%, 50% and 33% of the cost of fertilizers to farmers within 3 planting seasons.
 - ✓ Through the ACDP program, the fertilizer application rate has increased from about 1.8 kg/ha to 2.6 kg/ha.
 - ✓ However, after Season 1 of 2022, there have been no further fertilizer distributions through the ACDP, and the project is scheduled to end in September 2023.

Summary of 2018 Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2018 Apparent Consumption
3105200000	NPK		64,543		56	64,543	64,487
3102100000	Urea		16,256		67	16,256	16,190
3104200000	Muriate of Potash		4,701			4,701	4,701
3105300000	Diammonium Phosphate		4,452			4,452	4,452
3102400000	Calcium Ammonium Nitrate		2,094			2,094	2,094
9999999990	Enhancers		1,191			1,191	1,191
3104300000	Sulphate of Potash		1,118			1,118	1,118
3101000000	Organic Fertilizer		1,072		10	1,072	1,062
3102900000	Other Nitrogen Fertilizer		1,014		1	1,014	1,012
3102600000	Calcium Nitrate		838			838	838
2510000000	Phosphate Rock		615			615	615
3102210000	Ammonium Sulphate		607		1	607	606
2834210000	Potassium nitrate		490			490	490
3103900000	Other Phosphate Fertilizer		313			313	313
3105600000	PK Compound		295			295	295
3103101000	Triple Super Phosphate		262			262	262
2834292000	Magnesium Nitrate		145			145	145
3105700000	NK Compound		60			60	60
3105400000	Monoammonium Phosphate		50		2	50	47
3105510000	Other NP Compound		5			5	5
3104900000	Other Potash Fertilizer		0			0	0
3102300000	Ammonium Nitrate		387	387		-	-
3102500000	Sodium Nitrate		14	14		-	-
Grand Total (MT)			100,521	401	137	100,120	99,983

Summary of 2019 Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2019 Apparent Consumption
3105200000	NPK		47,220		61	47,220	47,160
3102100000	Urea		15,313			15,313	15,313
3105300000	Diammonium Phosphate		6,570		7	6,570	6,563
9999999990	Enhancers		3,449			3,449	3,449
3104200000	Muriate of Potash		3,223			3,223	3,223
3101000000	Organic Fertilizer		2,843		4	2,843	2,838
3102400000	Calcium Ammonium Nitrate		2,228			2,228	2,228
3105700000	NK Compound		1,373			1,373	1,373
3102600000	Calcium Nitrate		1,657		336	1,657	1,321
3104300000	Sulphate of Potash		743			743	743
3102900000	Other Nitrogen Fertilizer		736			736	736
3103101000	Triple Super Phosphate		621			621	621
3103900000	Other Phosphate Fertilizer		540		28	540	512
2834210000	Potassium nitrate		508			508	508
2510000000	Phosphate Rock		339			339	339
3105600000	PK Compound		229			229	229
2834292000	Magnesium Nitrate		173			173	173
3102210000	Ammonium Sulphate		166			166	166
3105400000	Monoammonium Phosphate		80			80	80
3105510000	Other NP Compound		38			38	38
3104900000	Other Potash Fertilizer		0			0	0
3102300000	Ammonium Nitrate		2,116	2,116		-	-
3102500000	Sodium Nitrate		60	60		-	-
Grand Total (MT)		-	90,225	2,176	436	88,048	87,613

Summary of 2020 Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2020 Apparent Consumption
3105200000	NPK		64,442		72	64,442	64,370
3102100000	Urea		12,543			12,543	12,543
9999999990	Enhancers		3,652			3,652	3,652
3105300000	Diammonium Phosphate		3,279		32	3,279	3,248
3102400000	Calcium Ammonium Nitrate		2,660			2,660	2,660
3104300000	Sulphate of Potash		2,346			2,346	2,346
3104200000	Muriate of Potash		1,740			1,740	1,740
3105700000	NK Compound		1,633			1,633	1,633
3102600000	Calcium Nitrate		1,245		0	1,245	1,245
2834210000	Potassium nitrate		613			613	613
3101000000	Organic Fertilizer		712		101	712	611
3102900000	Other Nitrogen Fertilizer		628		80	628	548
3102210000	Ammonium Sulphate		382			382	382
3103101000	Triple Super Phosphate		303			303	303
2834292000	Magnesium Nitrate		187			187	187
3105600000	PK Compound		152			152	152
3105510000	Other NP Compound		52			52	52
3105400000	Monoammonium Phosphate		36			36	36
3104900000	Other Potash Fertilizer		24			24	24
3102300000	Ammonium Nitrate		5,249	5,249		-	-
3102500000	Sodium Nitrate		351	351		-	-
3103900000	Other Phosphate Fertilizer				47	-	(47)
Grand Total (MT)		-	102,229	5,599	333	96,629	96,344

Summary of 2021 Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2021 Apparent Consumption
3105200000	NPK		52,409		1,879	52,409	50,530
3102100000	Urea		14,447		16	14,447	14,431
3105300000	Diammonium Phosphate		7,710			7,710	7,710
3101000000	Organic Fertilizer		6,564		4	6,564	6,560
3104200000	Muriate of Potash		3,176			3,176	3,176
9999999990	Enhancers		2,116			2,116	2,116
3105700000	NK Compound		2,015			2,015	2,015
3102400000	Calcium Ammonium Nitrate		1,547			1,547	1,547
3102600000	Calcium Nitrate		1,439			1,439	1,439
3102900000	Other Nitrogen Fertilizer		1,132		61	1,132	1,071
3102210000	Ammonium Sulphate		932			932	932
2834210000	Potassium nitrate		814			814	814
3104300000	Sulphate of Potash		693			693	693
2834292000	Magnesium Nitrate		483			483	483
3105600000	PK Compound		313			313	313
3103101000	Triple Super Phosphate		135			135	135
3105400000	Monoammonium Phosphate		101		1	101	100
2510000000	Phosphate Rock		10			10	10
3104900000	Other Potash Fertilizer		0			0	0
3105510000	Other NP Compound		0			0	0
3102500000	Sodium Nitrate		105	105		-	-
3102300000	Ammonium Nitrate		5,161	5,161		-	-
3103900000	Other Phosphate Fertilizer		15		493	15	(478)
Grand Total (MT)		-	101,319	5,266	2,453	96,053	94,078

Summary of 2022 Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2022 Apparent Consumption
3105200000	NPK		23,086		72	23,086	23,015
3102100000	Urea		15,831			15,831	15,831
3105300000	Diammonium Phosphate		8,099			8,099	8,099
3104200000	Muriate of Potash		3,696			3,696	3,696
9999999990	Enhancers		2,785			2,785	2,785
3102900000	Other Nitrogen Fertilizer		2,612		87	2,612	2,525
2510000000	Phosphate Rock		2,496			2,496	2,496
3101000000	Organic Fertilizer		2,128		3	2,128	2,124
3105700000	NK Compound		1,394			1,394	1,394
3102600000	Calcium Nitrate		1,395		2	1,395	1,392
3104300000	Sulphate of Potash		1,015			1,015	1,015
2834210000	Potassium nitrate		625			625	625
3102210000	Ammonium Sulphate		578			578	578
3104900000	Other Potash Fertilizer		400			400	400
3102400000	Calcium Ammonium Nitrate		399			399	399
3103900000	Other Phosphate Fertilizer		330		26	330	304
3105600000	PK Compound		123			123	123
2834292000	Magnesium Nitrate		107			107	107
3105400000	Monoammonium Phosphate		31			31	31
3105510000	Other NP Compound		0			0	0
3102300000	Ammonium Nitrate		6,954	6,954		-	-
3102500000	Sodium Nitrate		108	108		-	-
Grand Total (MT)		-	74,192	7,062	190	67,130	66,940

Summary of 2023 (Jan – May) Fertilizer Statistics

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HS code	Product	Production	Total Imports	Industrial Use	Exports	Fertilizer Imports	2023 Apparent Consumption
3105200000	NPK		16,305		125	16,305	16,180
3102100000	Urea		11,565		20	11,565	11,544
3104200000	Muriate of Potash		3,051			3,051	3,051
3105300000	Diammonium Phosphate		2,565			2,565	2,565
3102400000	Calcium Ammonium Nitrate		1,672			1,672	1,672
3102900000	Other Nitrogen		1,150			1,150	1,150
2510000000	Phosphate Rock		1,069			1,069	1,069
3102210000	Ammonium Sulphate		532			532	532
9999999990	Enhancers		492			492	492
3101000000	Organic Fertilizer		223		10	223	213
3102600000	Calcium Nitrate		168		1	168	168
2834210000	Potassium nitrate		156			156	156
3103900000	Other phosphate		60			60	60
3105600000	PK Compound		53			53	53
3105700000	NK Compound		28			28	28
3105400000	Monoammonium Phosphate		25			25	25
3104300000	Sulphate of Potash		24			24	24
3105510000	Other NP Compound		22			22	22
3104900000	Other Potash Fertilizers				8		(8)
3102300000	Ammonium Nitrate		3,125	3,125			-
3102500000	Sodium nitrate		157	157			-
Grand Total (MT)		-	42,442	3,282	164	39,161	38,997

Participants of 2023 FTWG

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Participants List of 2023 FTWG

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