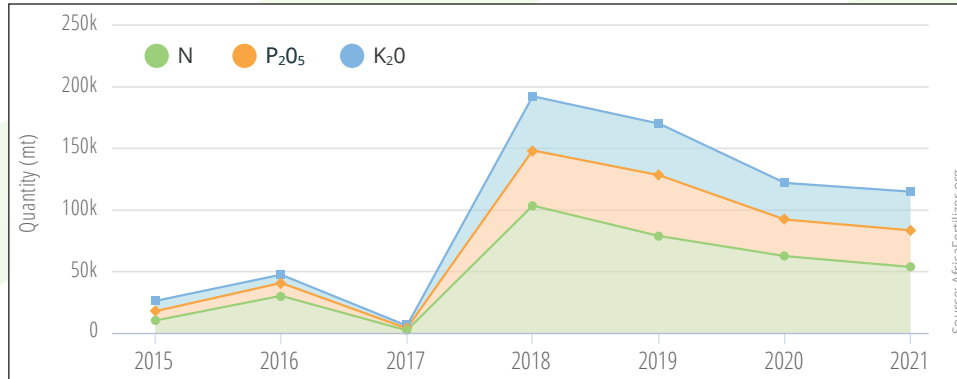




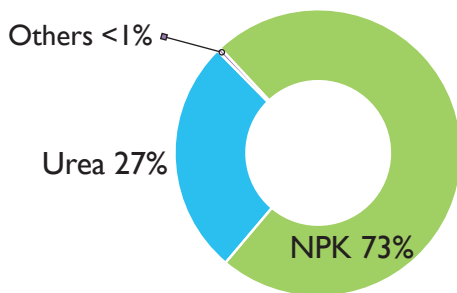
FERTILIZER CONSUMPTION IN NUTRIENTS, 2015-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



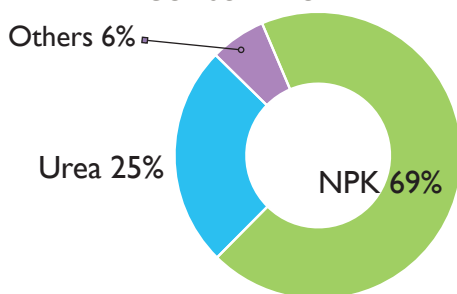
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2015-2021 (MT)

Type	2015	2016	2017	2018	2019	2020	2021
NPK	50,391	45,532	11,162	293,827	270,619	195,320	176,295
Urea	1,473	52,138	1,701	128,978	79,996	72,801	63,780
Others	13,088	1,164	2,058	1,618	20,156	2,377	1,079
Total	64,952	98,833	14,921	424,423	370,771	270,498	241,153

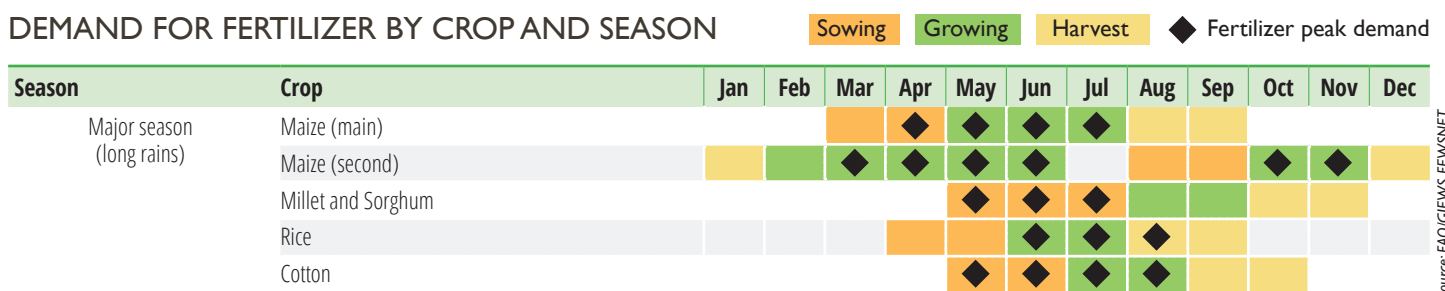
APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2015-2021 (MT)

Type	2015	2016	2017	2018	2019	2020	2021
NPK	50,391	45,520	10,662	293,827	270,619	195,320	176,295
Urea	1,473	52,138	1,701	128,978	79,996	72,801	63,780
Others	12,655	2,864	2,058	1,618	20,156	2,267	16,079
Total	64,519	100,521	14,421	424,423	370,771	270,388	256,153

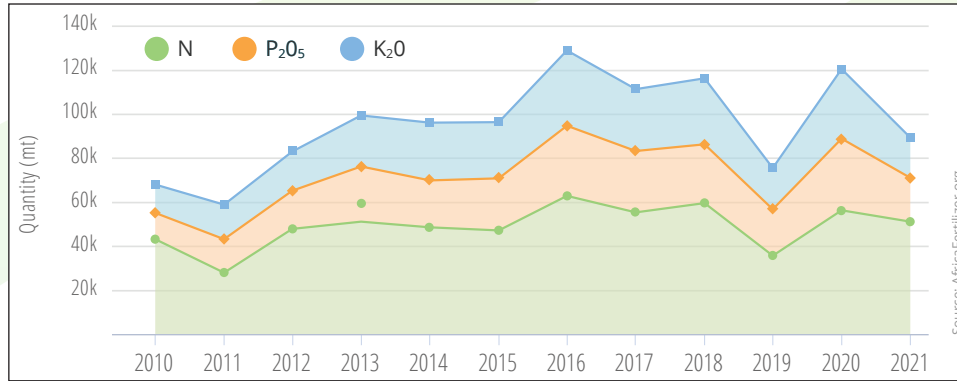
DEMAND FOR FERTILIZER BY CROP AND SEASON



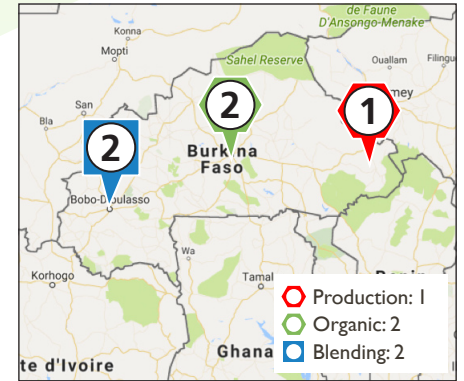


2022 BURKINA FASO

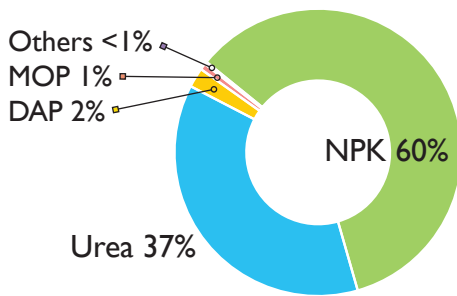
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



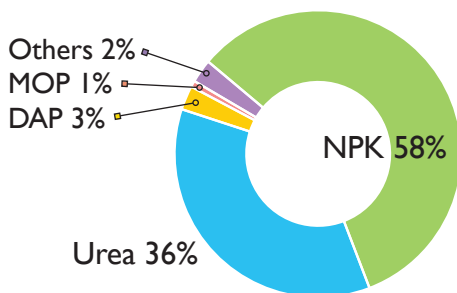
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	104,965	138,608	84,239	105,013	178,526	171,473	165,558	114,215	176,329	116,163
Urea	64,783	57,332	63,298	55,712	68,056	60,855	72,433	33,425	66,289	72,066
DAP	2,668	6,493	17,057	13,881	7,827	4,537	4,290	2,635	3,192	4,296
MOP	2,807	2,079	20,447	13,149	9,225	3,495	8,253	2,611	4,601	1,403
Others	12,224	14,611	21,582	20,420	19,606	5,217	13,014	7,537	966	567
Total	187,448	219,122	206,623	208,175	283,241	245,576	263,548	160,423	251,377	194,495

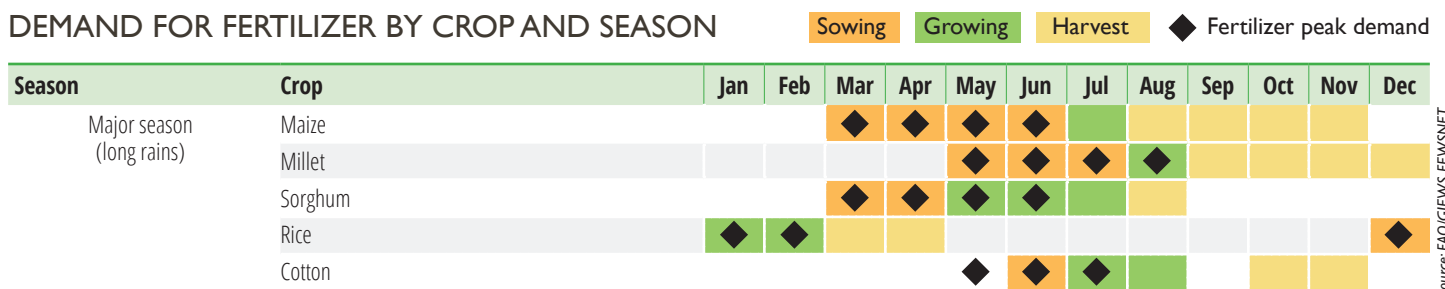
APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	101,965	138,443	84,199	105,013	178,526	171,473	165,553	113,315	176,329	116,083
Urea	64,668	57,332	63,298	55,712	68,056	60,855	72,313	33,425	66,289	71,675
DAP	2,668	6,493	17,057	13,881	7,827	4,537	4,290	2,634	3,192	5,440
MOP	2,807	2,079	20,447	13,149	9,225	3,495	8,253	2,611	3,901	1,403
Others	11,770	14,616	21,582	20,420	19,606	5,217	15,334	12,437	5,429	5,303
Total	183,879	218,962	206,583	208,175	283,241	245,576	265,743	164,422	255,140	199,904

DEMAND FOR FERTILIZER BY CROP AND SEASON

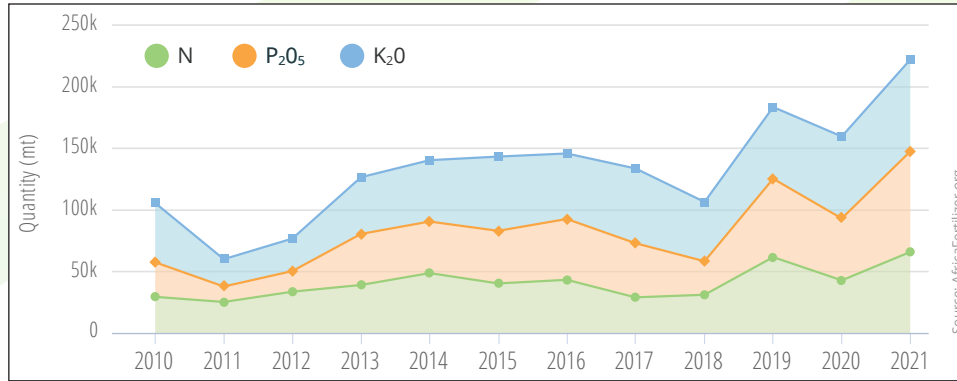




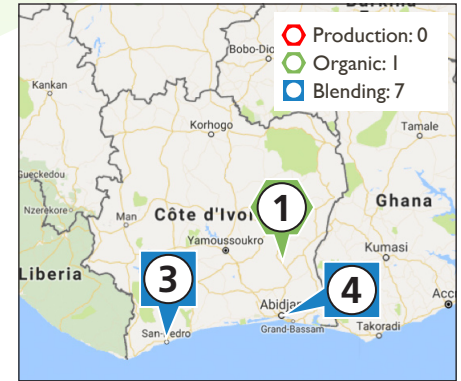
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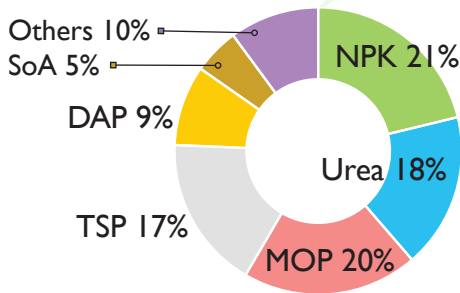
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



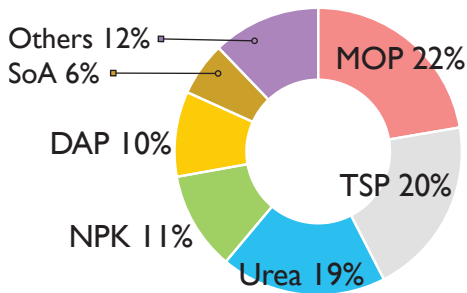
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	16,434	60,004	23,522	68,770	54,224	34,687	58,499	94,127	54,356	120,268
Urea	61,675	52,436	74,180	65,775	66,682	43,790	43,066	90,955	87,592	98,987
MOP	47,433	65,910	88,441	96,732	82,073	99,902	64,415	89,260	108,648	112,186
TSP	8,363	25,475	29,317	43,881	55,348	62,045	16,505	65,397	64,734	97,762
DAP	23,024	47,320	40,198	19,505	39,881	25,217	15,793	51,057	40,983	51,330
SoA	15,394	36,742	38,816	22,741	20,175	21,573	13,888	27,830	14,244	29,409
Others	24,192	33,041	29,444	24,410	13,937	15,709	20,131	25,220	20,377	57,244
Total	196,514	320,929	323,918	341,813	332,320	302,924	232,298	443,847	390,935	567,186

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	55,310	44,566	68,428	55,850	59,157	42,269	39,698	89,615	69,569	90,623
MOP	39,460	64,607	77,958	91,993	80,401	97,312	62,671	86,539	106,893	108,359
TSP	8,363	25,475	29,285	43,853	55,348	62,039	16,505	65,397	64,734	97,762
DAP	23,024	47,218	33,459	19,160	39,298	24,953	15,761	48,047	35,916	46,550
NPK	6,074	4,034	15,948	30,482	30,353	4,697	49,302	37,840	4,656	53,764
SoA	15,391	36,252	38,691	22,258	20,170	19,424	13,888	27,830	14,244	29,409
Others	16,971	45,428	29,192	24,277	13,320	20,462	34,512	30,814	21,460	59,151
Total	164,592	267,581	292,961	287,873	298,047	271,157	232,337	386,083	317,473	485,619

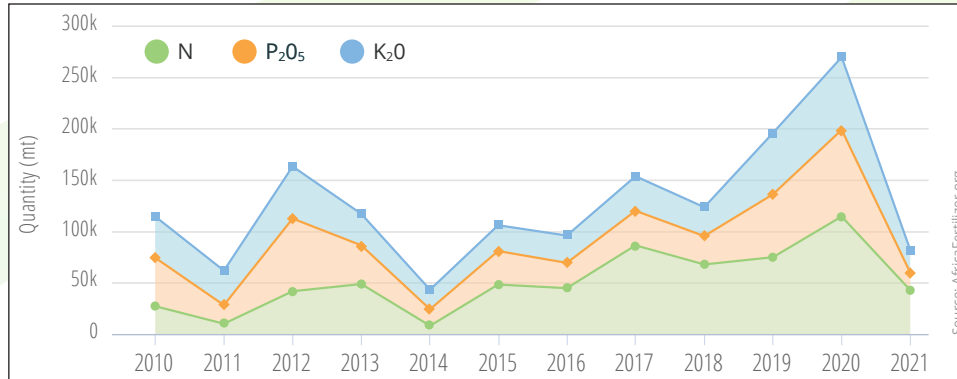
DEMAND FOR FERTILIZER BY CROP AND SEASON

Season	Crop	Demand by Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Cotton (North)						◆	◆	◆				
	Cotton (Central)						◆	◆	◆				
	Cocoa (less than 3 years)				◆	◆			◆				
	Cocoa (Year 3 and more)				◆	◆			◆				
	Oil palm (less than 3 years)			◆	◆					◆	◆		
	Oil palm (Year 3 and more)		◆	◆					◆		◆		
	Maize			◆	◆	◆							
Rice					◆	◆	◆						
Minor season (short rains)	Cassava, Maize, Millet, Sorghum, Rice, Yam								◆	◆	◆		

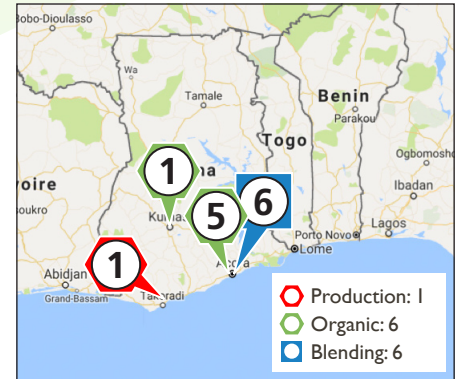
Legend: Sowing (orange), Growing (green), Harvest (yellow), ◆ Fertilizer peak demand



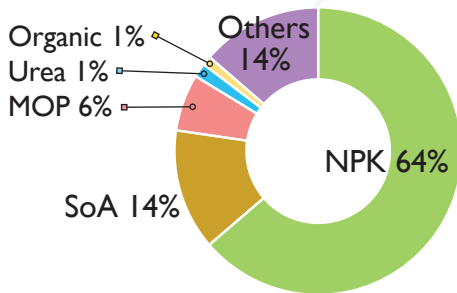
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



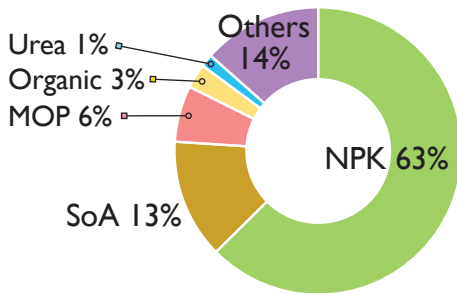
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	127,393	117,047	44,880	138,140	132,632	213,887	224,176	217,024	299,423	152,267
Urea	17,665	36,104	202	18,348	39,035	88,259	42,005	77,011	89,956	3,800
MOP	43,420	19,849	22,715	18,707	13,842	24,235	15,993	42,235	55,611	15,329
SoA	61,585	54,863	6,282	64,015	23,268	43,865	10,084	17,326	43,994	32,561
TSP	92,456	47,173	21,258	32,052	13,802	26,766	9,460	29,300	35,268	-
Organic	275	6,465	5,523	7,818	8,772	37,643	5,875	4,673	219	2,495
Others	30,971	16,414	10,223	11,077	8,532	9,582	7,564	37,542	94,167	32,610
Total	373,765	297,915	111,083	290,156	239,883	444,236	315,157	425,110	618,638	239,062

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

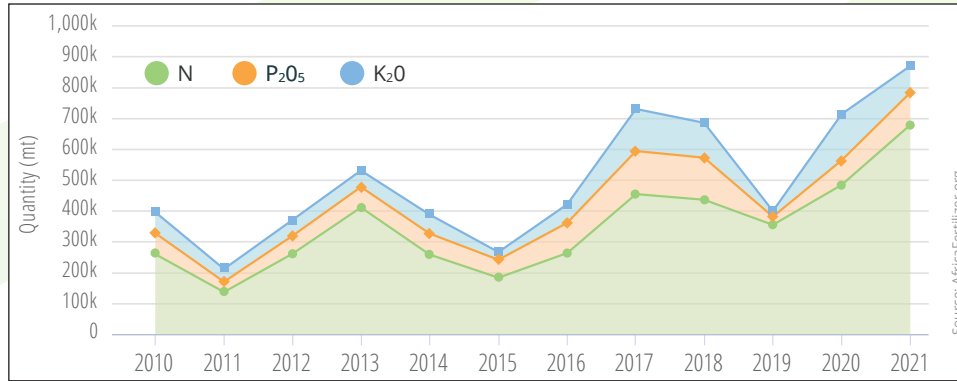
Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	126,929	113,794	39,344	137,902	132,632	210,387	220,176	215,617	296,641	151,693
Urea	17,603	36,104	-	18,253	39,035	88,259	42,002	76,921	88,379	3,451
MOP	43,403	19,801	22,702	18,707	13,842	24,235	15,712	42,235	55,611	15,329
SoA	61,585	54,863	6,282	64,015	23,268	43,865	10,084	17,326	43,994	32,561
TSP	92,456	47,173	19,613	32,052	13,802	26,766	9,460	29,300	35,268	-
Organic	275	6,465	5,523	7,818	8,747	37,568	5,868	4,663	219	6,692
Others	30,951	16,136	10,223	11,077	8,532	9,582	7,564	37,542	93,829	32,607
Total	373,202	294,336	103,688	289,822	239,858	440,661	310,866	423,603	613,942	242,334

DEMAND FOR FERTILIZER BY CROP AND SEASON

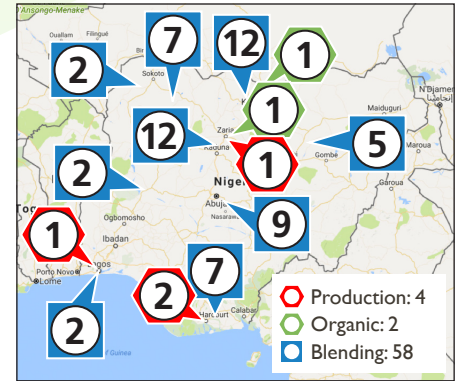
Season	Crop	Fertilizer peak demand											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Cassava (first year)				◆	◆	◆						
	Cassava (second year)												
	Maize (North)						◆	◆	◆				
	Maize (South)			◆	◆	◆							
	Millet and Sorghum					◆	◆	◆	◆				
	Rice (North)					◆	◆	◆	◆				
	Rice (South)				◆	◆	◆						
	Yam	◆	◆	◆	◆								
Minor season (short rains)	Cassava, Maize, Millet, Sorghum, Rice, Yam							◆	◆	◆			



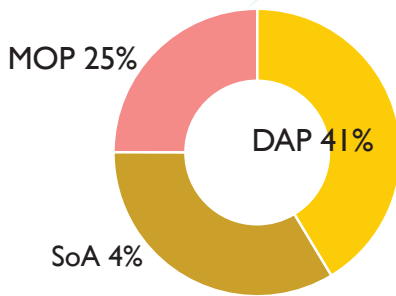
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



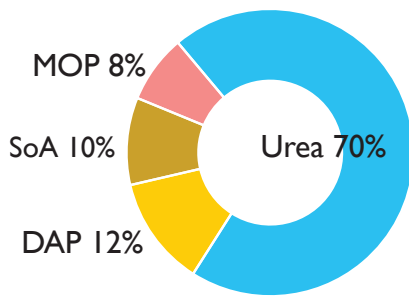
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
DAP	-	-	-	5,500	5,250	102,770	92,956	56,800	168,181	292,158
SoA	11,438	12,284	2,321	10,483	27,450	40,248	17,700	41,533	49,056	237,869
MOP	34,350	13,532	13,721	408	3,683	121,846	95,373	29,275	199,733	176,291
NPK	230,446	294,980	344,879	165,684	380,455	399,949	351,821	1,785	1,016	27
NP com.	-	-	36,164	47,986	115,645	96,984	111,500	-	-	-
Urea	100,434	598,616	291,966	120,346	21,013	12	-	-	-	-
Others	116,979	94,547	53,167	67,569	40,498	42,284	48,101	2,064	11,316	576
Total	493,647	1,013,959	742,216	417,976	593,994	804,093	717,450	131,458	429,303	706,922

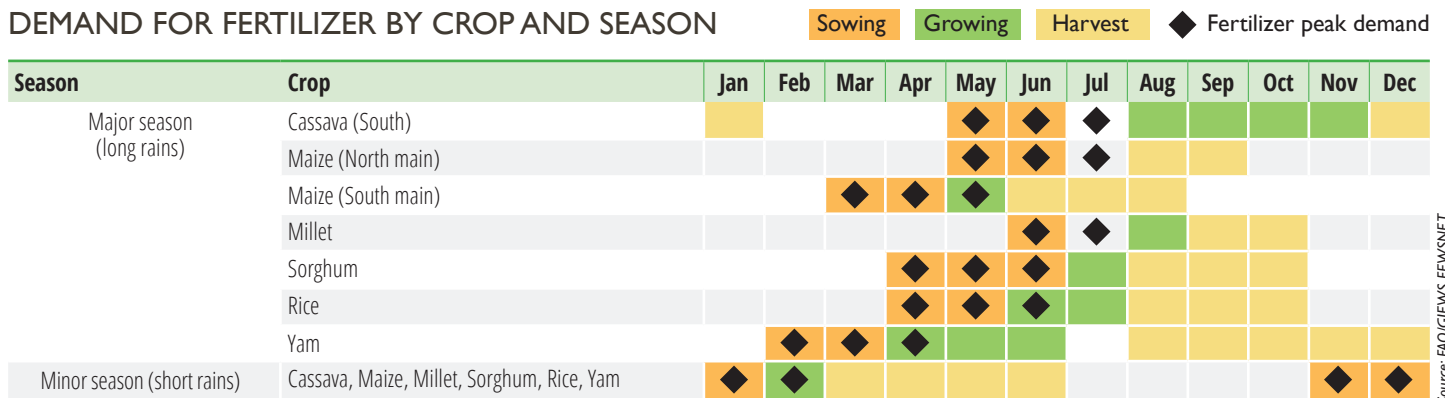
APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

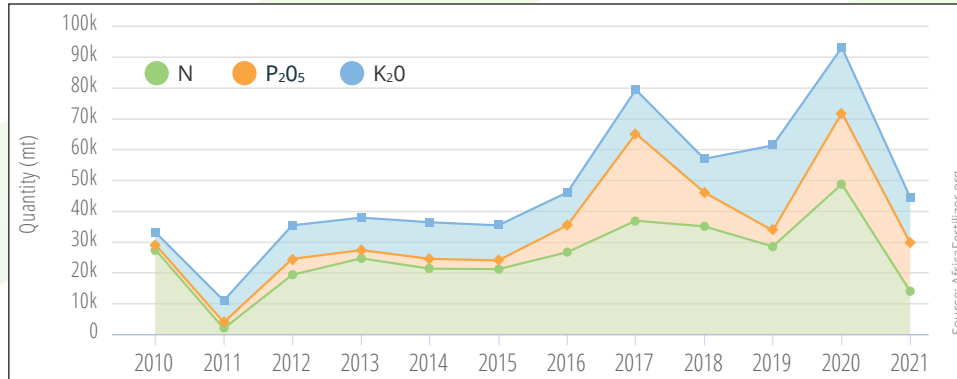
Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	451,394	765,731	423,966	319,656	386,383	760,734	758,499	730,151	988,343	1,303,423
DAP	-	-	-	5,500	5,250	102,770	92,956	56,800	168,181	229,588
SoA	11,109	12,301	2,321	10,483	27,450	40,248	17,700	41,533	49,056	182,845
MOP	34,479	13,921	13,721	408	3,683	121,846	95,373	29,275	199,733	142,846
NPK	345,953	270,919	344,879	165,684	380,455	399,949	351,821	1,785	1,016	27
SSP	13,910	37,682	571	16,751	16,599	16,550	19,854	1,507	11,255	-
NP com.	6,612	87,988	68,535	47,986	115,845	96,984	111,500	-	-	-
Others	146	25,417	20,225	51,429	23,699	25,735	28,247	557	61	576
Total	863,605	1,213,959	874,216	617,897	959,364	1,564,816	1,475,950	861,609	1,417,646	1,859,306

DEMAND FOR FERTILIZER BY CROP AND SEASON

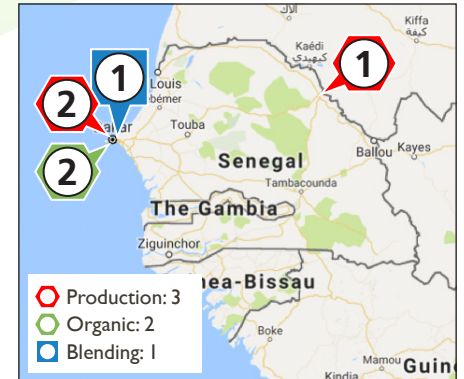




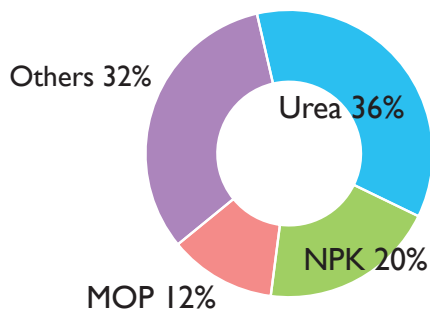
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



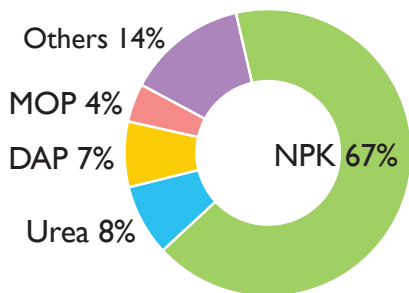
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	55,239	48,509	54,406	41,295	44,917	53,940	69,481	58,257	69,949	13,500
MOP	8,697	12,403	13,640	12,580	520	9,982	3,444	4,538	7,566	4,548
NPK	33,176	18,664	27,873	16,428	22,008	5,304	39,000	23,385	28,172	7,495
DAP	1,354	2,261	6,011	2,313	8,263	-	500	1,187	1,625	203
Others	4,169	4,301	5,058	6,218	2,683	2,259	4,469	8,767	16,487	12,175
Total	102,636	86,138	106,989	78,835	78,391	71,485	116,894	96,134	123,799	37,920

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

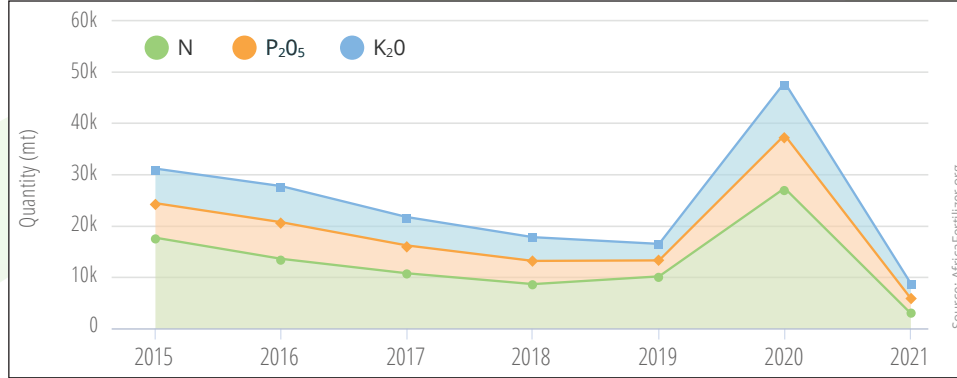
Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	52,031	47,587	40,855	40,522	44,917	53,351	62,185	45,459	65,393	8,125
MOP	8,697	12,398	13,640	12,580	520	9,982	3,444	4,517	7,566	4,376
DAP	-	-	-	-	13,514	61,081	18,146	11,148	17,306	7,460
NPK	32,678	18,180	17,330	16,068	69,780	69,581	83,699	88,341	97,310	67,484
Others	4,068	3,582	4,378	6,129	3,340	2,259	6,350	12,338	16,434	13,707
Total	97,474	81,747	76,203	75,299	132,071	196,254	173,823	161,804	204,010	101,153

DEMAND FOR FERTILIZER BY CROP AND SEASON

Season	Crop	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Groundnut						◆	◆	◆	◆			
	Maize						◆	◆	◆				
	Millet and Sorghum						◆	◆	◆				
	Rice						◆	◆	◆	◆	◆		
	Cotton							◆	◆				
Minor season (short rains)	Groundnut, Maize, Millet, Rice					◆	◆	◆	◆				



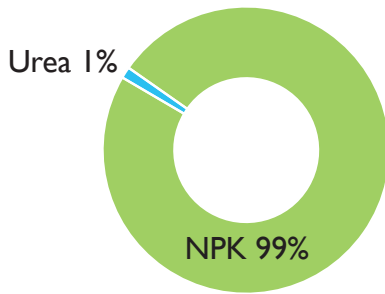
FERTILIZER CONSUMPTION IN NUTRIENTS, 2015-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



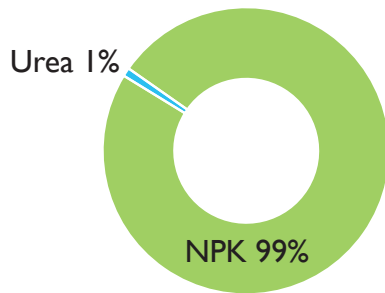
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2015-2021 (MT)

Type	2015	2016	2017	2018	2019	2020	2021
NPK	44,407	66,443	42,797	40,035	33,075	76,386	20,438
Urea	34,031	22,170	12,973	11,480	16,436	44,860	266
Others	24	811	48	82	125	122	50
Total	78,461	89,425	55,818	51,596	49,636	121,368	20,754

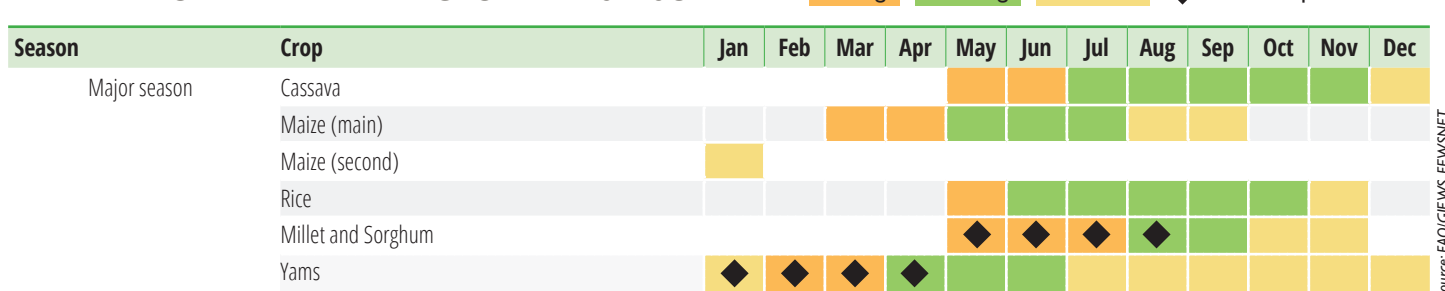
APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2015-2021 (MT)

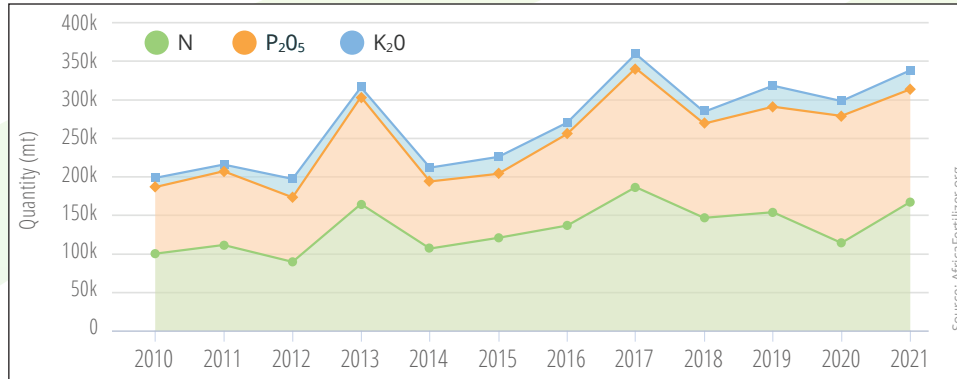
Type	2015	2016	2017	2018	2019	2020	2021
NPK	44,407	46,374	36,510	30,644	21,256	68,781	19,018
Urea	31,776	14,139	11,455	8,980	15,311	37,166	186
Others	254	746	48	37	75	36	50
Total	76,437	61,260	48,013	39,661	36,642	105,982	19,254

DEMAND FOR FERTILIZER BY CROP AND SEASON

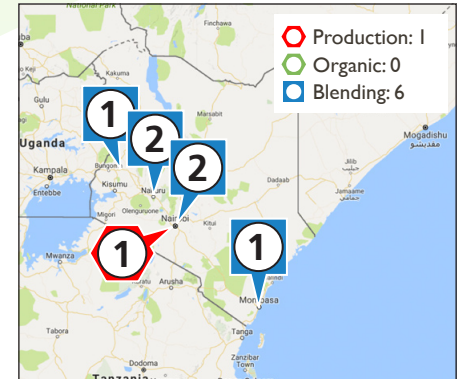




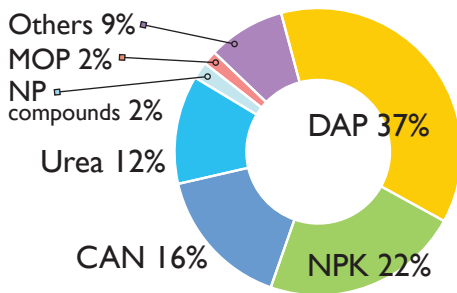
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



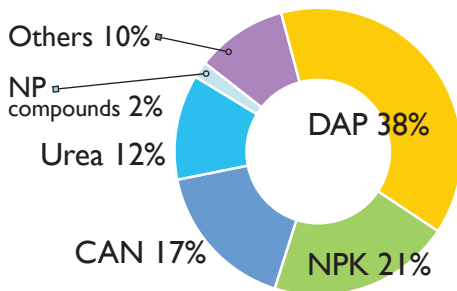
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
DAP	126,470	273,939	144,450	127,672	207,973	261,939	252,199	262,897	319,039	294,696
NPK	139,578	129,540	136,880	166,342	151,334	186,377	143,621	193,057	127,143	177,117
Urea	66,804	114,515	25,117	43,584	75,955	66,720	68,045	89,996	152,537	96,865
CAN	53,616	101,201	87,900	99,120	111,654	198,806	100,950	118,268	132,900	127,223
NP com.	12,028	20,853	35,594	65,295	46,542	87,383	15,894	8,843	31,768	15,176
MOP	4,903	6,014	6,655	13,336	5,757	4,642	9,646	15,370	11,142	12,614
Others	41,781	43,969	58,124	41,083	60,620	49,178	36,063	77,696	60,020	68,978
Total	445,180	690,032	494,720	556,432	659,835	855,045	626,418	766,126	834,549	792,670

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

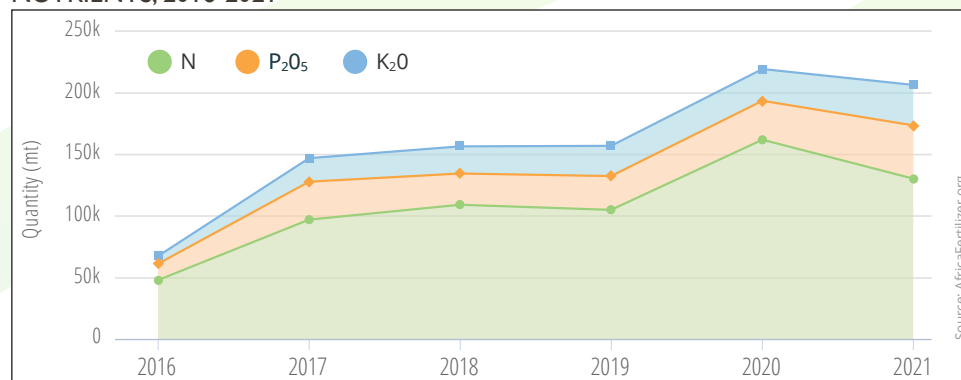
Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
DAP	125,344	267,988	141,553	117,859	198,105	252,548	234,823	254,026	311,662	288,735
NPK	129,803	119,283	133,878	153,640	126,821	149,759	99,184	162,121	93,942	154,269
CAN	53,000	99,898	87,021	98,940	108,118	198,293	98,655	116,904	132,680	127,217
Urea	63,480	110,838	22,941	37,105	53,297	61,506	54,547	87,559	150,463	88,872
NP com.	11,954	20,829	35,587	64,218	46,541	87,354	15,894	8,843	31,766	13,934
Others	40,961	48,146	64,029	54,560	64,142	52,955	42,572	90,812	69,115	77,061
Total	424,542	666,981	485,008	526,322	597,024	802,416	545,675	720,265	789,628	750,089

DEMAND FOR FERTILIZER BY CROP AND SEASON

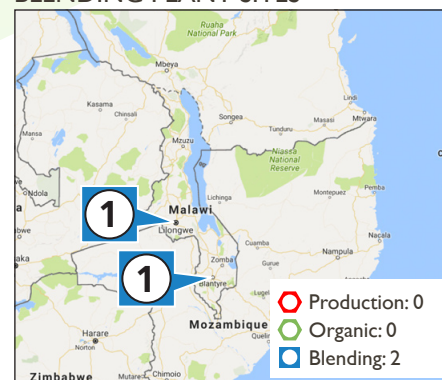
Season	Crop	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Bean				◆	◆							
	Maize			◆	◆	◆							
	Millet			◆	◆								
	Sorghum			◆	◆	◆							
	Wheat					◆	◆	◆					
	Rice												
Minor season (short rains)	Maize, Millet, Sorghum, Bean, Barley										◆	◆	◆



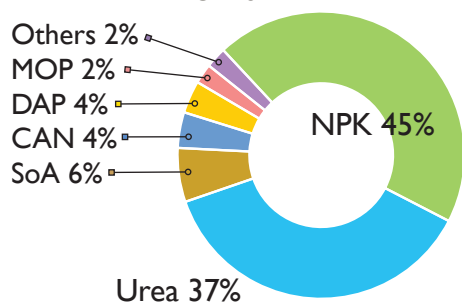
FERTILIZER CONSUMPTION IN NUTRIENTS, 2016-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



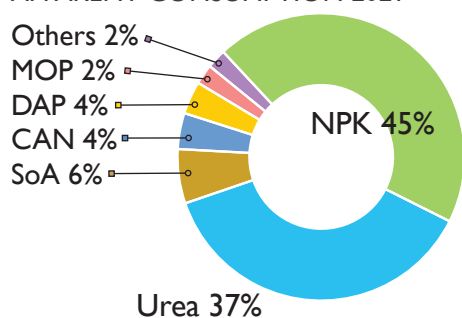
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2016-2021 (MT)

Type	2016	2017	2018	2019	2020	2021
NPK	28,572	75,046	118,557	143,610	183,919	220,258
Urea	70,599	132,165	158,305	133,911	235,926	183,775
SoA	19,074	18,461	11,588	17,746	26,335	30,035
CAN	2,771	22,387	25,431	28,260	23,127	19,865
DAP	6,006	7,000	7,675	13,700	16,800	18,100
MOP	1,710	10,250	8,715	9,868	10,158	11,038
Others	30,436	69,009	20,497	11,989	8,038	11,615
Total (mt)	159,168	334,317	350,768	359,084	504,301	494,687

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2016-2021 (MT)

Type	2016	2017	2018	2019	2020	2021
NPK	28,336	75,046	118,167	143,587	183,919	217,320
Urea	70,599	128,654	157,651	133,337	235,926	183,173
SoA	19,074	18,461	11,588	17,746	25,824	29,964
CAN	2,771	22,387	25,431	28,137	23,127	19,865
DAP	6,006	7,000	7,675	13,700	16,620	18,100
MOP	1,710	10,250	8,715	9,868	10,158	11,038
Others	27,035	65,623	20,535	11,005	7,548	10,686
Total (mt)	155,531	327,420	349,762	357,380	503,121	490,146

DEMAND FOR FERTILIZER BY CROP AND SEASON

Sowing Growing Harvest ◆ Fertilizer peak demand

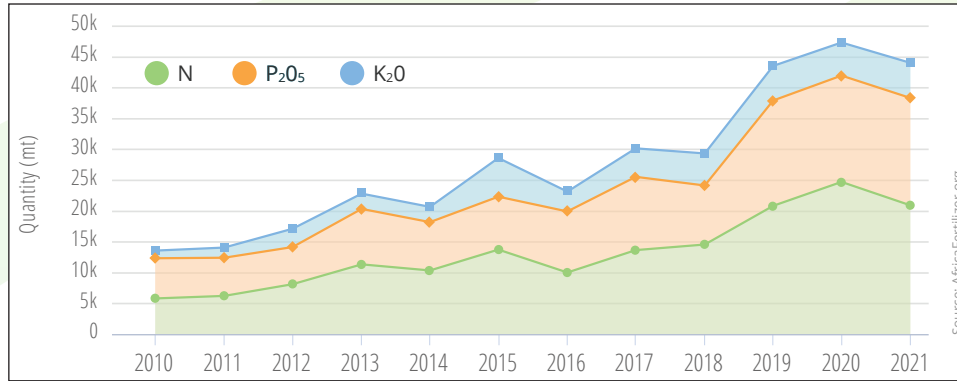
Season	Crop	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season	Maize									◆	◆	◆	
	Rice	◆										◆	◆
	Sorghum	◆											◆
	Wheat		◆	◆	◆								

Source: FAO/GIEWS, FEWS/NET

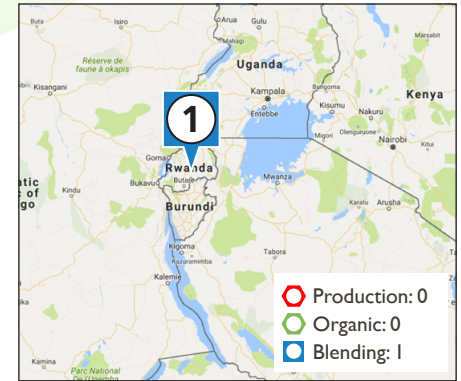


2022 RWANDA

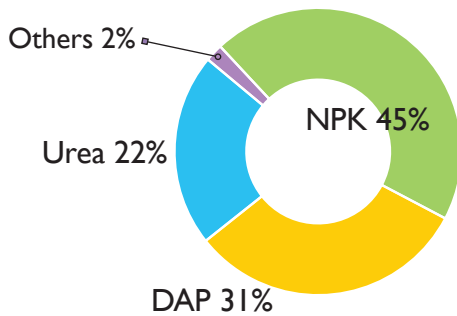
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



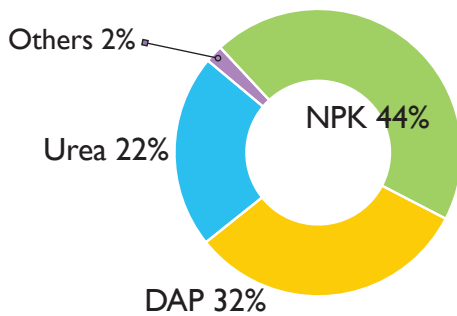
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	22,352	19,297	20,849	42,579	22,837	26,257	25,435	36,900	46,645	38,317
DAP	6,603	14,236	11,886	5,774	16,828	17,422	13,573	27,163	25,936	27,117
Urea	6,978	10,886	8,619	10,162	4,730	12,436	15,688	18,936	22,644	18,662
Others	-	-	182	723	1,319	1,806	3,111	2,652	1,163	1,709
Total	35,933	44,419	41,537	59,238	45,714	57,921	57,808	85,651	96,389	85,806

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
NPK	22,277	19,256	20,844	42,579	22,837	26,237	25,435	36,900	46,644	38,159
DAP	6,603	14,098	11,886	5,774	16,586	17,422	13,573	27,163	25,936	27,117
Urea	6,978	10,885	8,596	10,162	4,730	12,436	15,688	18,936	22,644	18,662
Others	-	-	182	722	1,319	1,806	3,105	2,652	1,163	1,707
Total	35,858	44,239	41,508	59,237	45,472	57,901	57,802	85,651	96,388	85,645

DEMAND FOR FERTILIZER BY CROP AND SEASON

Sowing Growing Harvest ◆ Fertilizer peak demand

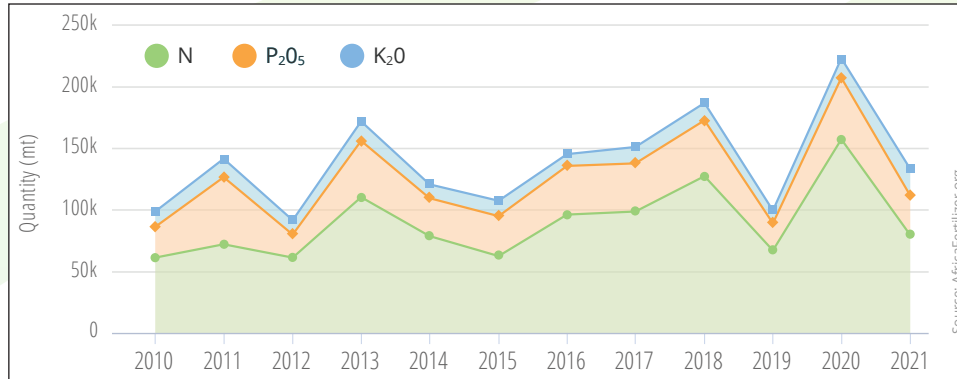
Season	Crop	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major seasons	Maize (A season)									◆	◆		
	Maize (B season)		◆	◆									
	Sorghum (A season)									◆	◆		
	Sorghum (B season)		◆	◆									

Source: FAO/GIEWS, FEWS/NET

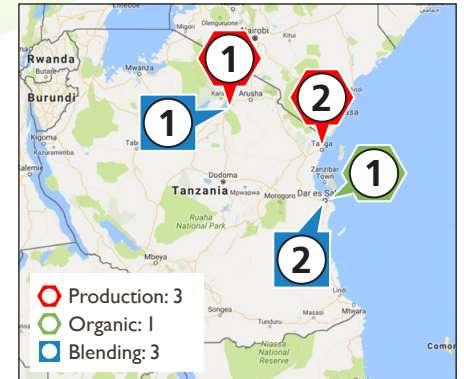


2022 TANZANIA

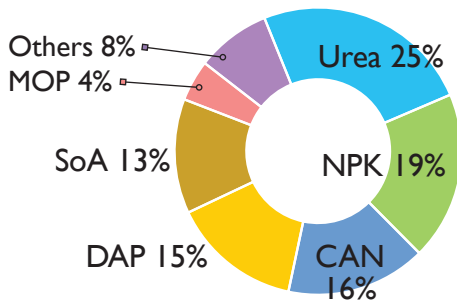
FERTILIZER CONSUMPTION IN NUTRIENTS, 2010-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



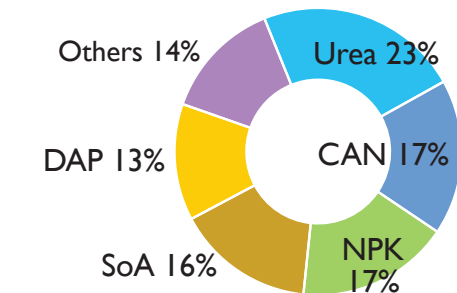
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	78,976	155,274	104,644	104,918	138,815	151,319	176,562	78,090	259,269	97,523
NPK	68,692	81,527	66,012	55,379	53,292	81,842	85,701	81,760	115,159	75,008
CAN	39,342	39,399	21,304	32,592	50,378	51,450	78,150	68,228	62,673	62,276
DAP	19,460	54,390	30,616	56,205	102,667	82,207	109,706	66,101	128,474	57,858
SoA	21,910	33,782	16,406	11,811	27,178	39,222	43,210	53,647	77,134	50,949
MOP	4,805	4,127	375	6,794	2,137	3,263	10,744	5,007	10,547	18,280
Others	3,650	4,737	40,310	4,535	5,935	7,940	7,438	12,976	9,612	33,140
Total	236,835	373,235	279,666	272,234	380,402	417,242	511,510	365,808	662,868	395,033

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

Type	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Urea	78,804	152,198	98,953	80,360	118,245	120,627	161,548	57,482	211,986	75,267
CAN	39,342	39,129	21,289	29,792	50,378	49,450	77,020	66,328	61,263	57,276
NPK	57,804	69,508	65,938	43,026	38,181	71,903	65,905	34,126	89,749	56,285
SoA	21,880	33,323	26,982	11,811	46,699	39,222	43,210	53,417	76,634	50,949
DAP	19,359	44,634	30,616	36,523	70,790	56,188	74,914	26,738	75,918	42,935
Others	46,050	65,065	44,321	47,877	9,338	12,102	14,793	21,659	11,215	44,232
Total	263,240	403,857	288,100	249,389	333,631	349,491	437,390	259,750	526,765	326,943

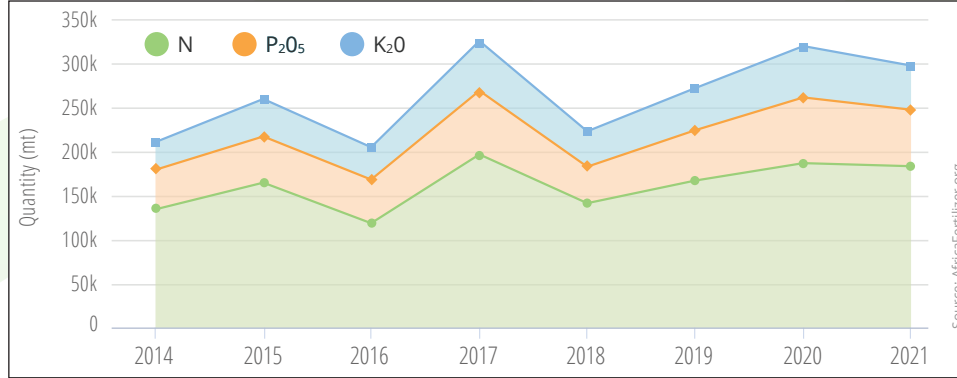
DEMAND FOR FERTILIZER BY CROP AND SEASON

Season	Crop	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Maize	◆	◆								◆	◆	◆
	Sorghum			◆	◆								
	Millet	◆	◆										◆
	Rice	◆	◆	◆									
	Wheat		◆	◆									
	Bean			◆	◆								
Minor season (short rains)	Maize, Millet, Sorghum, Bean, Rice, Wheat	◆	◆									◆	◆

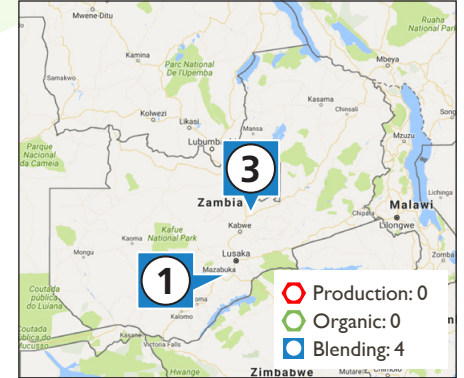


2022 ZAMBIA

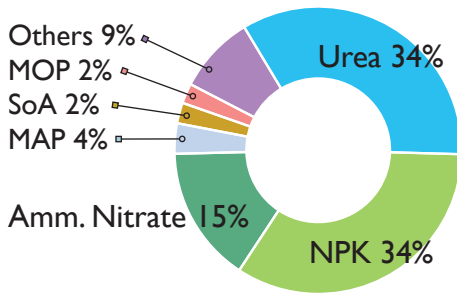
FERTILIZER CONSUMPTION IN NUTRIENTS, 2014-2021



FERTILIZER PRODUCTION & BLENDING PLANT SITES



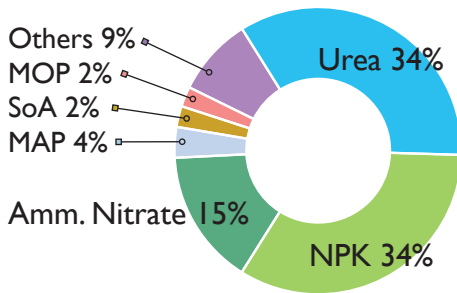
FERTILIZER IMPORTS 2021



FERTILIZER IMPORTS 2012-2021 (MT)

Type	2014	2015	2016	2017	2018	2019	2020	2021
Urea	161,708	243,485	145,027	258,154	193,723	251,172	353,459	232,312
NPK	105,025	85,717	73,589	190,202	147,394	214,189	225,507	230,757
Amm. Nitrate	55,256	71,024	70,650	66,038	77,039	90,780	87,980	104,662
MAP	59,500	59,567	65,339	31,561	25,983	19,161	16,355	23,325
SoA	55,752	42,126	44,294	42,634	14,013	18,367	16,106	15,870
MOP	34,438	46,320	35,776	22,241	26,995	15,768	13,483	15,338
Others	47,400	40,514	33,976	49,524	34,954	38,026	45,865	59,982
Total (mt)	519,079	588,754	468,649	660,354	520,099	647,463	758,755	682,246

APPARENT CONSUMPTION 2021



FERTILIZER APPARENT CONSUMPTION 2012-2021 (MT)

Type	2014	2015	2016	2017	2018	2019	2020	2021
Urea	160,820	243,043	144,750	258,035	192,002	249,157	352,064	232,172
NPK	104,835	85,335	72,425	188,728	146,506	211,937	225,132	226,151
Amm. Nitrate	51,553	70,618	70,427	65,098	74,888	86,045	86,906	103,215
MAP	59,440	59,567	65,339	31,531	25,923	19,161	16,355	23,325
SoA	55,752	42,126	44,294	42,634	14,013	18,103	16,106	15,870
MOP	34,438	46,320	35,776	22,211	26,995	15,768	13,274	15,278
Others	47,310	40,298	33,206	48,946	34,694	37,704	45,625	59,768
Total (mt)	514,148	587,307	466,217	657,183	515,020	637,875	755,462	675,779

DEMAND FOR FERTILIZER BY CROP AND SEASON

Season	Crop	Month												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Major season (long rains)	Maize	◆											◆	◆
	Millet													◆
	Sorghum	◆												◆
	Wheat				◆	◆	◆							
	Rice												◆	◆
Minor season (short rains)	Maize, Millet, Sorghum, Wheat							◆	◆	◆	◆			

Source: FAO/IGIEWS, FEWSNET