

FERTILIZER FACTSHEET

2021

BENIN

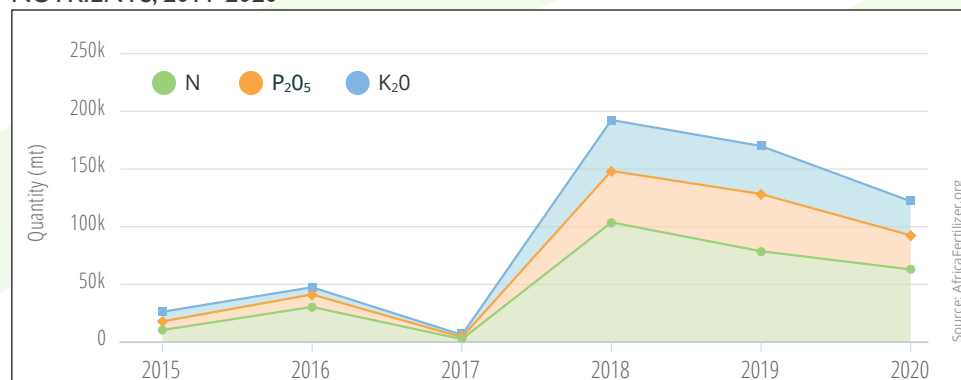


AfricaFertilizer.org

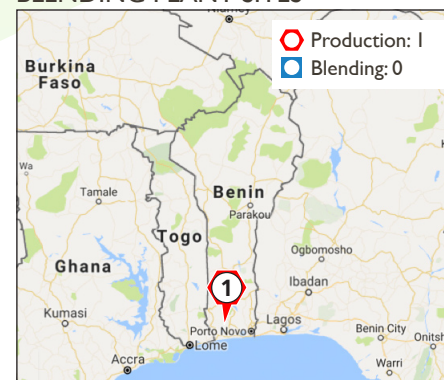


West African Fertilizer Association
Association Ouest-Africaine
de l'Engrais

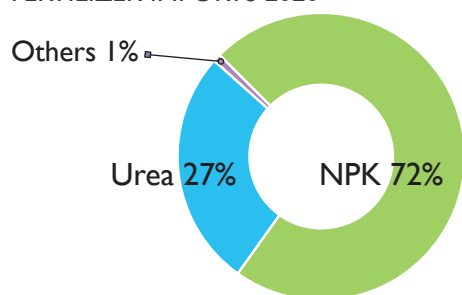
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



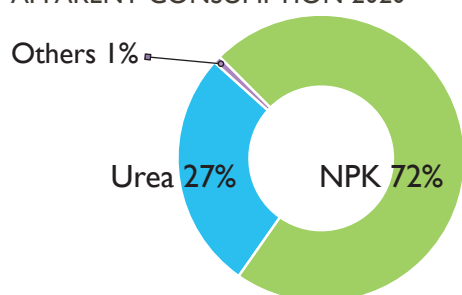
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2015	2016	2017	2018	2019	2020
NPK	50,391	45,532	11,162	293,827	270,619	196,828
Urea	1,473	52,138	1,701	128,978	79,996	72,801
Others	13,088	1,164	2,058	1,618	20,156	2,377
Total	64,952	98,833	14,921	424,423	370,771	272,006

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

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

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 (main)			■	◆	◆	◆	◆					
	Maize (second)	■	■	◆	◆	◆	◆		■	■	◆	◆	■
	Millet and Sorghum					◆	◆	◆	■	■			
	Rice				■	■	■	■	◆				
	Cotton					◆	◆	◆	◆	■	■		

FERTILIZER FACTSHEET

2021



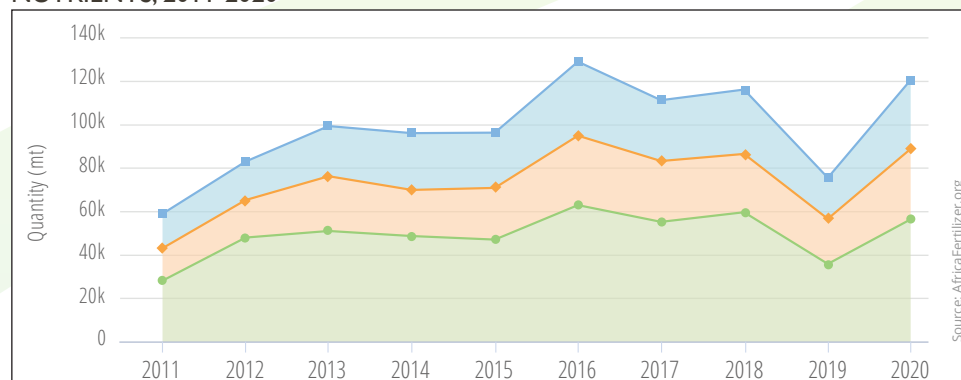
AfricaFertilizer.org



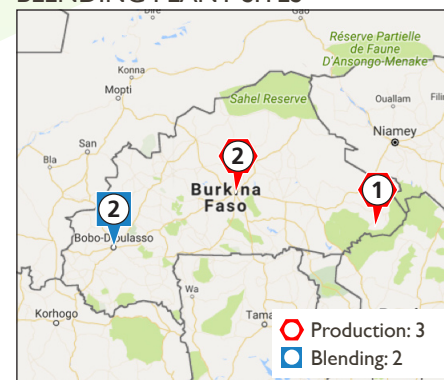
West African Fertilizer Association
Association Ouest-Africaine
de l'Engrais

BURKINA FASO

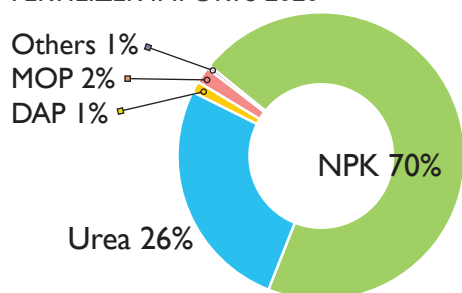
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



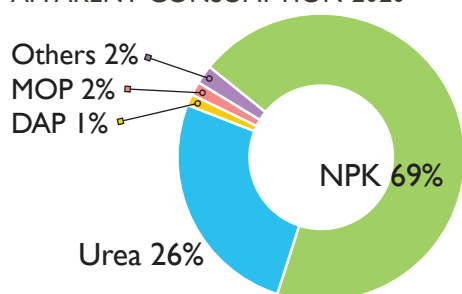
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NPK	69,207	104,965	138,608	84,239	105,013	178,526	171,473	165,558	114,215	176,329
Urea	36,404	64,783	57,332	63,298	55,712	68,056	60,855	72,433	33,425	66,289
DAP	9,065	2,668	6,493	17,057	13,881	7,827	4,537	4,290	2,635	3,192
MOP	9,260	2,807	2,079	20,447	13,149	9,225	3,495	8,253	2,611	4,601
Others	7,432	12,224	14,611	21,582	20,420	19,606	5,217	13,014	7,537	966
Total	131,367	187,448	219,122	206,623	208,175	283,241	245,576	263,548	160,423	251,377

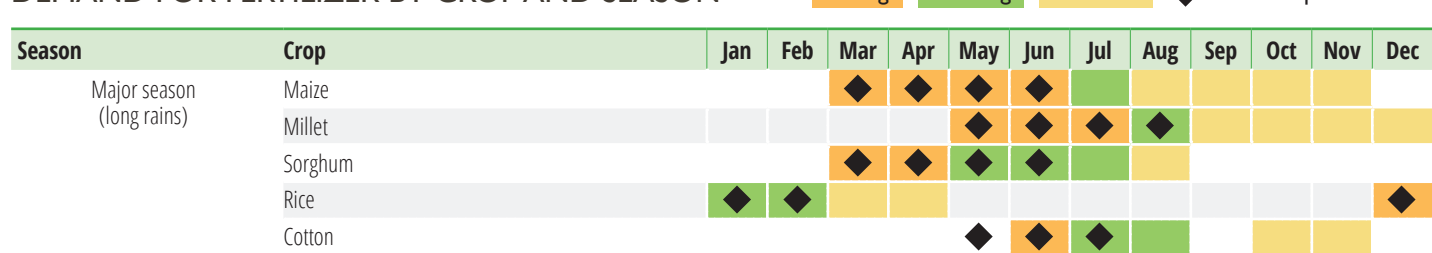
APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NPK	69,864	101,965	138,443	84,199	105,013	178,526	171,473	165,553	113,315	176,329
Urea	32,004	64,668	57,332	63,298	55,712	68,056	60,855	72,313	33,425	66,289
DAP	9,065	2,668	6,493	17,057	13,881	7,827	4,537	4,290	2,634	3,192
MOP	8,910	2,807	2,079	20,447	13,149	9,225	3,495	8,253	2,611	3,901
Others	5,400	11,770	14,616	21,582	20,420	19,606	5,217	15,334	12,437	5,429
Total	125,242	183,879	218,962	206,583	208,175	283,241	245,576	265,743	164,422	255,140

DEMAND FOR FERTILIZER BY CROP AND SEASON



FERTILIZER FACTSHEET

2021



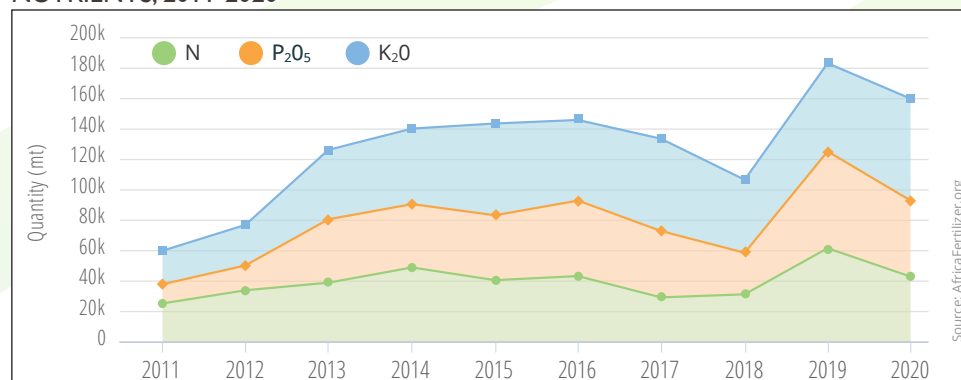
AfricaFertilizer.org



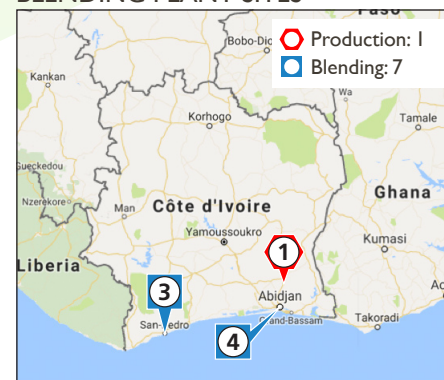
West African Fertilizer Association
Association Ouest-Africaine
de l'Engrais

CÔTE D'IVOIRE

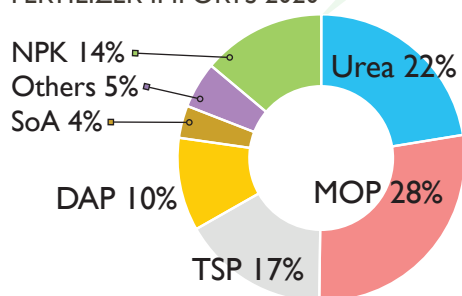
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



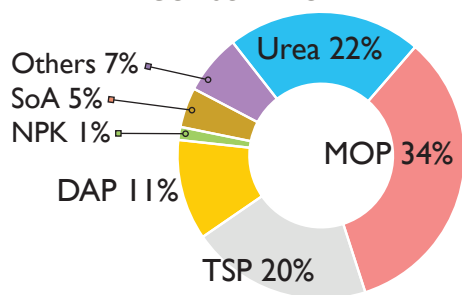
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NPK	2,023	16,434	60,004	23,522	68,770	54,224	34,687	58,499	94,127	54,356
Urea	51,582	61,675	52,436	74,180	65,775	66,682	43,790	43,066	90,955	87,592
MOP	36,820	47,433	65,910	88,441	96,732	82,073	99,902	64,415	89,260	108,648
TSP	10,246	8,363	25,475	29,317	43,881	55,348	62,045	16,505	65,397	64,734
DAP	9,982	23,024	47,320	40,198	19,505	39,881	25,217	15,793	51,057	40,983
SoA	13,871	15,394	36,742	38,816	22,741	20,175	21,573	13,888	27,830	14,244
Others	12,313	24,192	33,041	29,444	24,410	13,937	15,709	20,131	25,220	20,377
Total	136,837	196,514	320,929	323,918	341,813	332,320	302,924	232,298	443,847	390,935

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	44,949	55,310	44,566	68,428	55,850	59,157	42,269	39,698	89,615	69,569
MOP	35,860	39,460	64,607	77,958	91,993	80,401	97,312	62,671	86,539	106,893
TSP	10,246	8,363	25,475	29,285	43,853	55,348	62,039	16,505	65,397	64,734
DAP	9,882	23,024	47,218	33,459	19,160	39,298	24,953	15,761	48,047	35,916
NPK	42	6,074	4,034	15,948	30,482	30,353	4,697	49,302	37,840	4,656
SoA	13,107	15,391	36,252	38,691	22,258	20,170	19,424	13,888	27,830	14,244
Others	13,457	16,971	45,428	29,192	24,277	13,320	20,462	34,512	30,814	21,460
Total	127,544	164,592	267,581	292,961	287,873	298,047	271,157	232,337	386,083	317,473

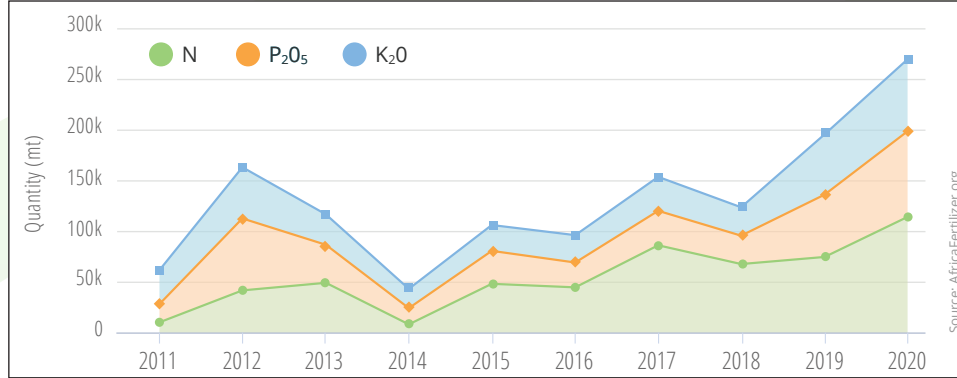
DEMAND FOR FERTILIZER BY CROP AND SEASON

Sowing Growing Harvest ◆ Fertilizer peak demand

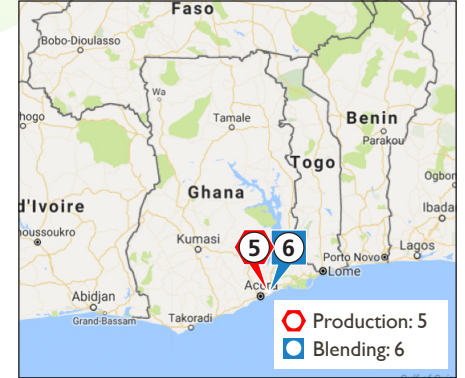
Season	Crop	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Cotton (North)						◆	◆	◆				
	Cotton (Central)						◆	◆	◆				
	Cocoa (less than 3 years)				◆	◆			◆				
	Cocoa (Year 3 and more)				◆	◆			◆				
	Oil palm (less than 3 years)			◆	◆					◆		◆	
	Oil palm (Year 3 and more)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



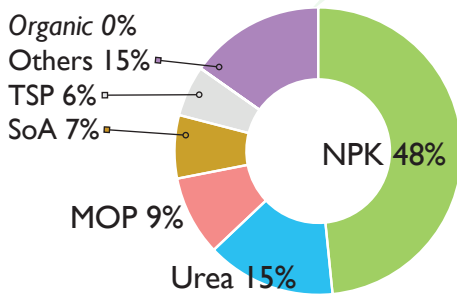
FERTILIZER CONSUMPTION IN
NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION &
BLENDING PLANT SITES



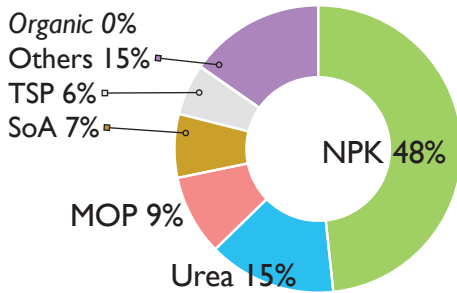
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NPK	50,405	127,393	117,047	44,880	138,140	132,632	213,887	224,176	217,024	299,423
Urea	2,838	17,665	36,104	202	18,348	39,035	88,259	42,005	77,011	89,956
MOP	30,505	43,420	19,849	22,715	18,707	13,842	24,235	15,993	42,235	55,611
SoA	38,474	61,585	54,863	6,282	64,015	23,268	43,865	10,084	17,326	43,994
TSP	50,177	92,456	47,173	21,258	32,052	13,802	26,766	9,460	29,300	35,268
Organic	13	275	6,465	5,523	7,818	8,772	37,643	5,875	4,673	219
Others	24,905	30,971	16,414	10,223	11,077	8,532	9,582	7,564	37,542	94,167
Total	197,317	373,765	297,915	111,083	290,156	239,883	444,236	315,157	425,110	618,638

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NPK	46,273	126,929	113,794	39,344	137,902	132,632	210,387	220,176	215,617	296,641
Urea	2,431	17,603	36,104	-	18,253	39,035	88,259	42,002	76,921	88,379
MOP	25,884	43,403	19,801	22,702	18,707	13,842	24,235	15,712	42,235	55,611
SoA	1,052	61,585	54,863	6,282	64,015	23,268	43,865	10,084	17,326	43,994
TSP	22,149	92,456	47,173	19,613	32,052	13,802	26,766	9,460	29,300	35,268
Organic	13	275	6,465	5,523	7,818	8,747	37,568	5,868	4,663	219
Others	26,649	30,951	16,136	10,223	11,077	8,532	9,582	7,564	37,542	93,829
Total	124,451	373,202	294,336	103,688	289,822	239,858	440,661	310,866	423,603	613,942

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)	Cassava (first year)				◆	◆	◆							
	Cassava (second year)													
	Maize (North main)						◆	◆	◆					
	Maize (South main)			◆	◆	◆								
	Millet and Sorghum				◆	◆	◆	◆	◆					
	Rice (North)					◆	◆	◆	◆					
	Rice (South)				◆	◆	◆							
Yam	◆	◆	◆	◆										
Minor season (short rains)	Cassava, Maize, Millet, Sorghum, Rice, Yam								◆	◆	◆			

FERTILIZER FACTSHEET

2021

NIGER

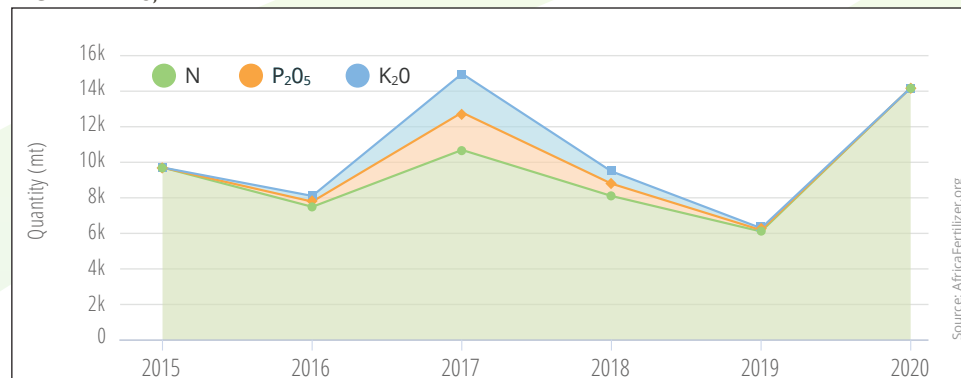


AfricaFertilizer.org



West African Fertilizer Association
Association Ouest-Africaine de l'Engrais

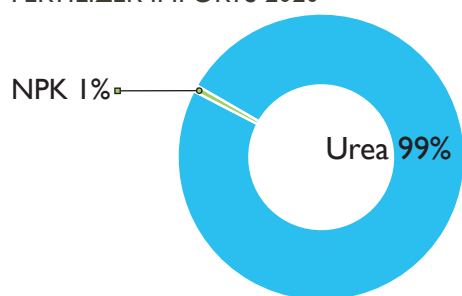
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



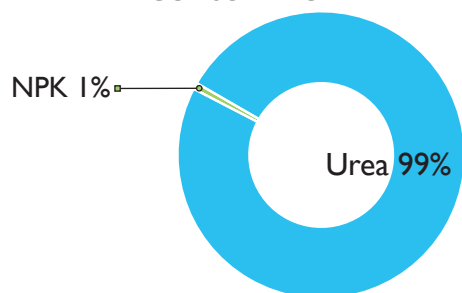
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2015	2016	2017	2018	2019	2020
Urea	21,058	15,696	18,799	16,184	13,345	30,821
NPK	269	1,822	14,122	4,925	717	225
Others	6,221	29	107	1,706	13	69
Total	27,548	17,548	33,028	22,815	14,075	31,115

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2015	2016	2017	2018	2019	2020
Urea	21057.969	15696.281	18,722	16,184	12,965	30,821
NPK	269.09	1822.236	14,097	4,798	717	221
Others	6184.295	29.323	100	1,706	13	69
Total	27,511	17,548	32,919	22,687	13,695	31,111

DEMAND FOR FERTILIZER BY CROP AND SEASON

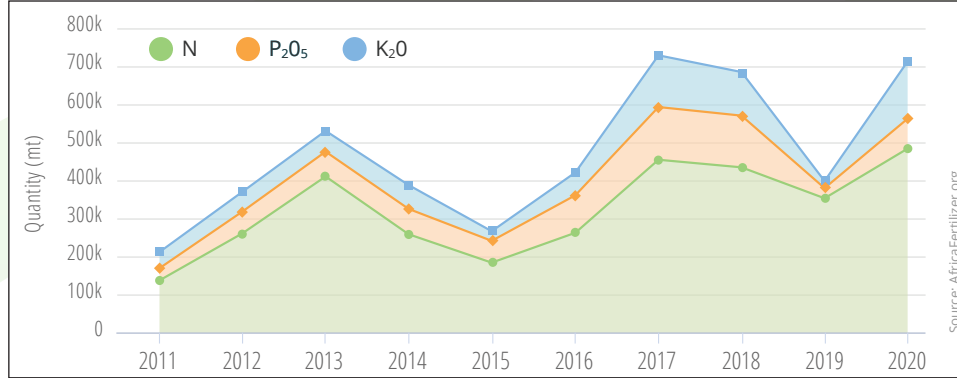
Sowing Growing Harvest ◆ Fertilizer peak demand

Season	Crop	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season	Maize						◆	◆					
	Groundnut						◆	◆					
	Millet						◆	◆					
	Rice (rainfed)						◆	◆	◆				
	Sorghum						◆	◆	◆				

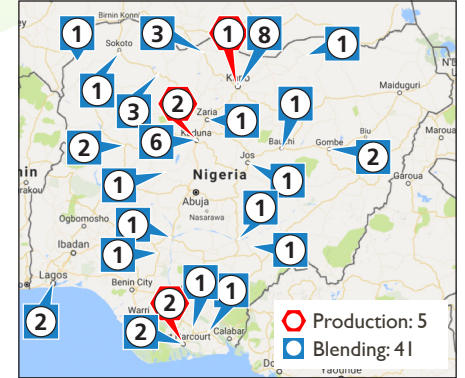


2021 NIGERIA

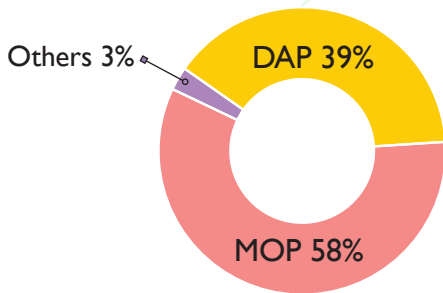
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



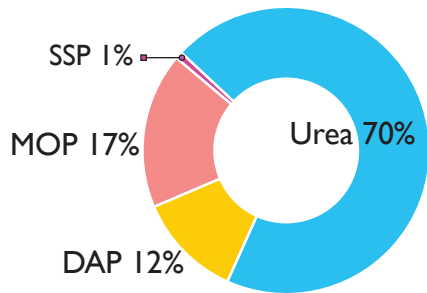
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
DAP	-	-	-	-	5,500	5,250	102,770	92,956	56,800	168,181
SoA	132	11,438	12,284	2,321	10,483	27,450	40,248	17,700	41,533	-
MOP	19,853	34,350	13,532	13,721	408	3,683	121,846	95,373	29,275	248,789
NPK	177,476	230,446	294,980	344,879	165,684	380,455	399,949	351,821	1,785	1,016
NP com.	-	-	-	36,164	47,986	115,645	96,984	111,500	-	-
Urea	118,363	100,434	598,616	291,966	120,346	21,013	12	-	-	-
Others	27,915	116,979	94,547	53,167	67,569	40,498	42,284	48,101	2,064	11,316
Total	343,739	493,647	1,013,959	742,216	417,976	593,994	804,093	717,450	131,458	429,303

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	242,761	451,394	765,731	423,966	319,656	386,383	760,734	758,499	730,151	988,343
DAP	-	-	-	-	5,500	5,250	102,770	92,956	56,800	168,181
SoA	27	11,109	12,301	2,321	10,483	27,450	40,248	17,700	41,533	-
MOP	20,779	34,479	13,921	13,721	408	3,683	121,846	95,373	29,275	248,789
NPK	178,320	345,953	270,919	344,879	165,684	380,455	399,949	351,821	1,785	1,016
SSP	32,474	13,910	37,682	571	16,751	16,599	16,550	19,854	1,507	11,255
NP com.	0	6,612	87,988	68,535	47,986	115,845	96,984	111,500	-	-
Others	7,280	146	25,417	20,225	51,429	23,699	25,735	28,247	557	61
Total	481,641	863,605	1,213,959	874,216	617,897	959,364	1,564,816	1,475,950	861,609	1,417,646

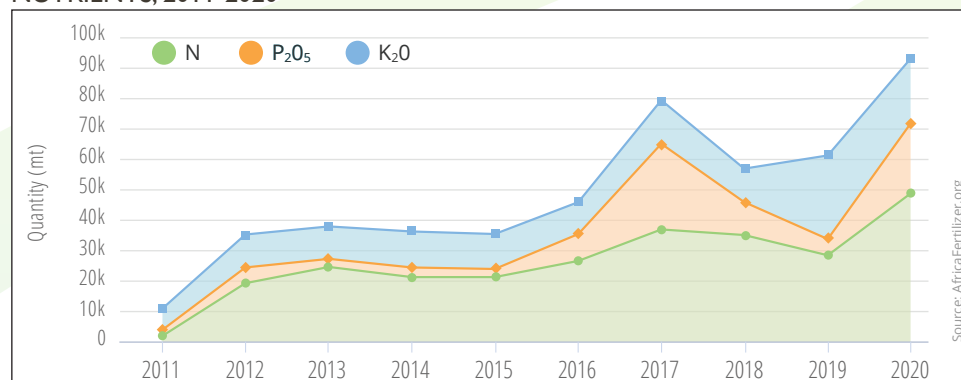
DEMAND FOR FERTILIZER BY CROP AND SEASON

Season	Crop	Sowing Growing Harvest											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major season (long rains)	Cassava (South)					◆	◆	◆					
	Maize (North main)					◆	◆	◆					
	Maize (South main)			◆	◆	◆							
	Millet						◆	◆					
	Sorghum				◆	◆	◆						
	Rice				◆	◆	◆						
	Yam		◆	◆	◆	◆							
Minor season (short rains)	Cassava, Maize, Millet, Sorghum, Rice, Yam	◆	◆									◆	◆

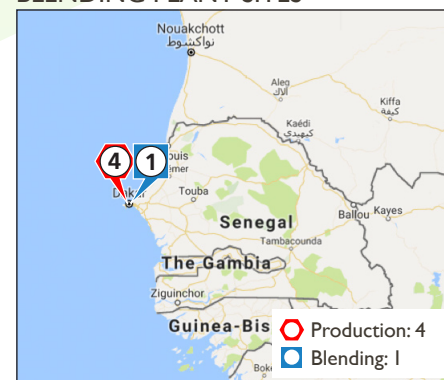
FERTILIZER FACTSHEET

2021

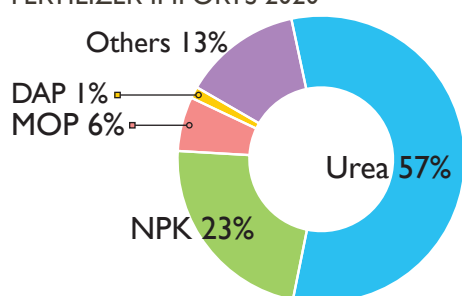
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



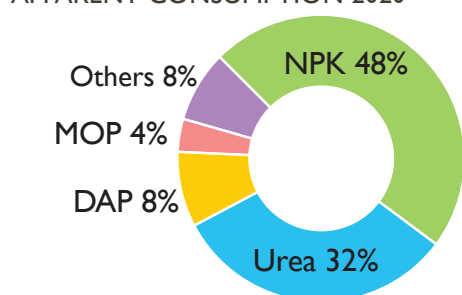
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	4,751	55,239	48,509	54,406	41,295	44,917	53,940	69,481	58,257	69,949
MOP	7,458	8,697	12,403	13,640	12,580	520	9,982	3,444	4,538	7,566
NPK	16,806	33,176	18,664	27,873	16,428	22,008	5,304	39,000	23,385	28,172
DAP	2,024	1,354	2,261	6,011	2,313	8,263	-	500	1,187	1,625
Others	3,343	4,169	4,301	5,058	6,218	2,683	2,259	4,469	8,767	16,487
Total	34,382	102,636	86,138	106,989	78,835	78,391	71,485	116,894	96,134	123,799

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	-	52,031	47,587	40,855	40,522	44,917	53,351	62,185	45,459	65,393
MOP	7,458	8,697	12,398	13,640	12,580	520	9,982	3,444	4,517	7,566
DAP	-	-	-	-	-	13,514	61,081	18,146	11,148	17,306
NPK	12,338	32,678	18,180	17,330	16,068	69,780	69,581	83,699	88,341	97,310
Others	2,759	4,068	3,582	4,378	6,129	3,340	2,259	6,350	12,338	16,434
Total	22,555	97,474	81,747	76,203	75,299	132,071	196,254	173,823	161,804	204,010

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 FACTSHEET

2021

TOGO

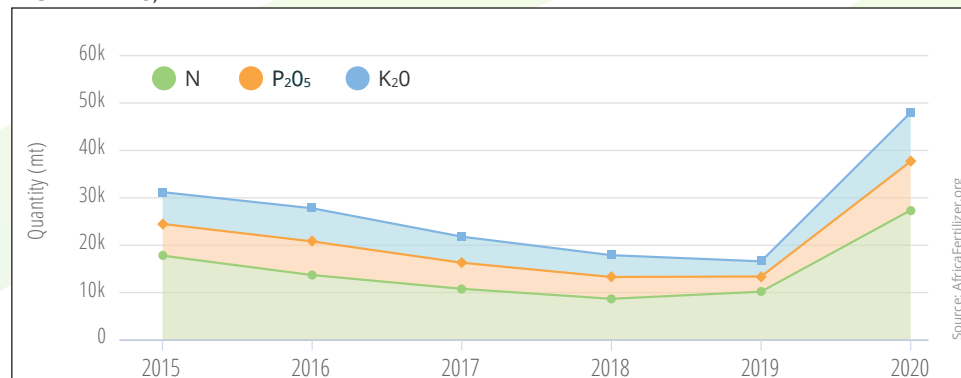


AfricaFertilizer.org

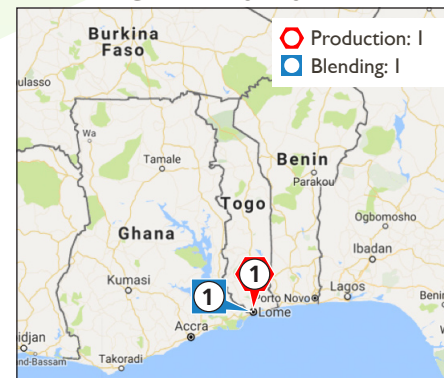


West African Fertilizer Association
Association Ouest-Africaine de l'Engrais

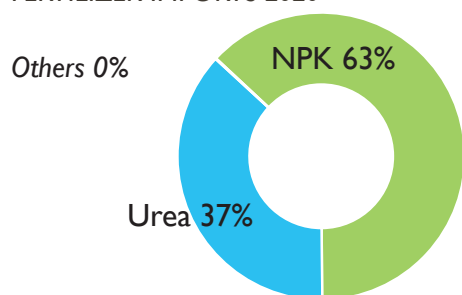
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



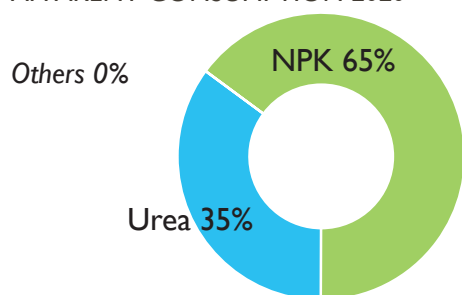
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

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

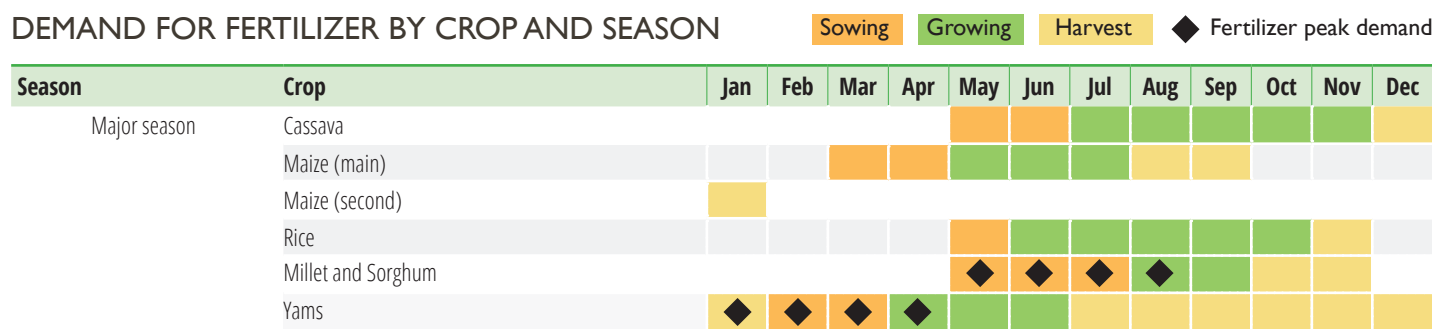
APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

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

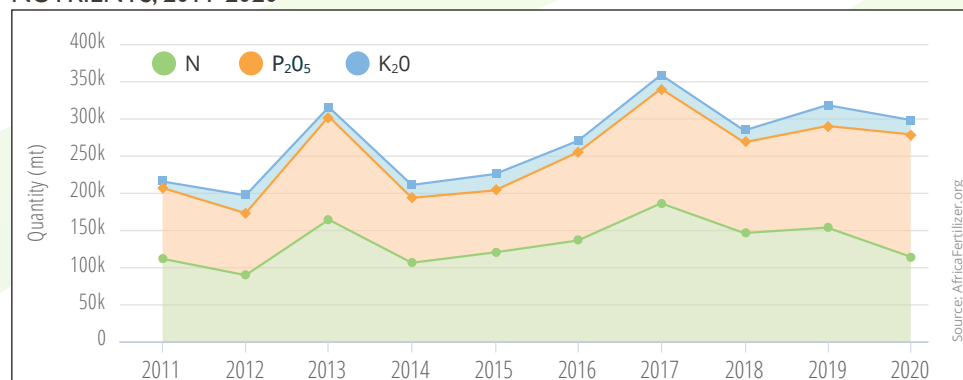
DEMAND FOR FERTILIZER BY CROP AND SEASON



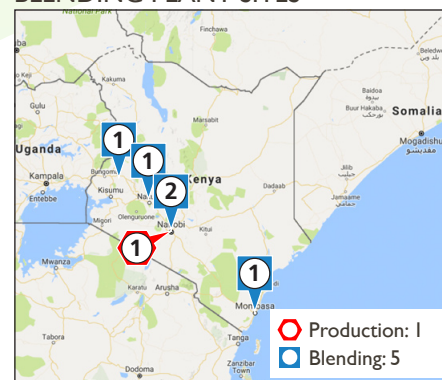


2021 KENYA

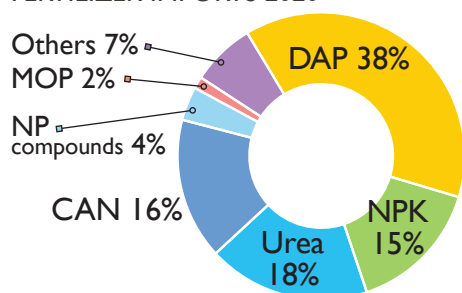
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



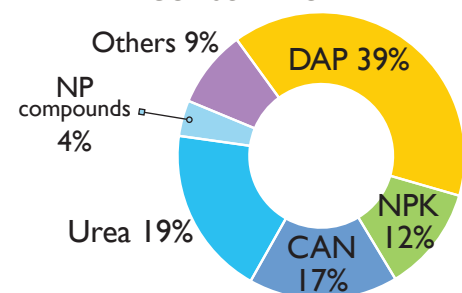
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
DAP	178,195	126,470	273,939	144,450	127,672	207,973	261,939	252,199	262,897	319,039
NPK	119,499	139,578	129,540	136,880	166,342	151,334	186,377	143,621	193,057	127,143
Urea	32,021	66,804	114,515	25,117	43,584	75,955	66,720	68,045	89,996	152,537
CAN	132,150	53,616	101,201	87,900	99,120	111,654	198,806	100,950	118,268	132,900
NP com.	19,738	12,028	20,853	35,594	65,295	46,542	87,383	15,894	8,843	31,768
MOP	2,369	4,903	6,014	6,655	13,336	5,757	4,642	9,646	15,370	11,142
Others	40,275	41,781	43,969	58,124	41,083	60,620	49,178	36,063	77,696	60,020
Total	524,246	445,180	690,032	494,720	556,432	659,835	855,045	626,418	766,126	834,549

APPARENT CONSUMPTION 2020



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
DAP	176,531	125,344	267,988	141,553	117,859	198,105	252,548	234,823	254,026	311,662
NPK	102,792	129,803	119,283	133,878	153,640	126,821	149,759	99,184	162,121	93,942
CAN	131,363	53,000	99,898	87,021	98,940	108,118	198,293	98,655	116,904	132,680
Urea	27,295	63,480	110,838	22,941	37,105	53,297	61,506	54,547	87,559	150,463
NP com.	19,458	11,954	20,829	35,587	64,218	46,541	87,354	15,894	8,843	31,766
Others	35,913	40,961	48,146	64,029	54,560	64,142	52,955	42,572	90,812	69,115
Total	493,352	424,542	666,981	485,008	526,322	597,024	802,416	545,675	720,265	789,628

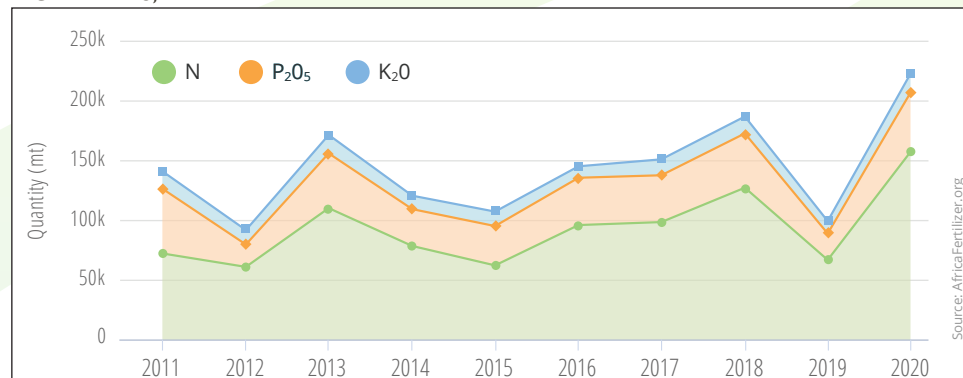
DEMAND FOR FERTILIZER BY CROP AND SEASON

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	◆										◆	

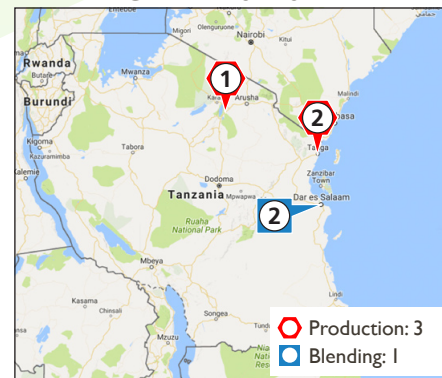


2021 TANZANIA

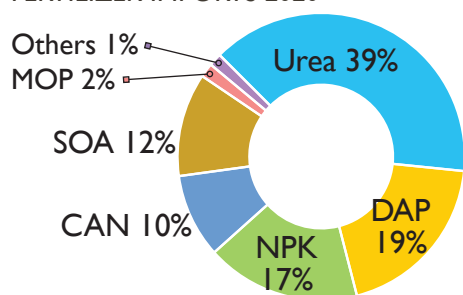
FERTILIZER CONSUMPTION IN NUTRIENTS, 2011-2020



FERTILIZER PRODUCTION & BLENDING PLANT SITES



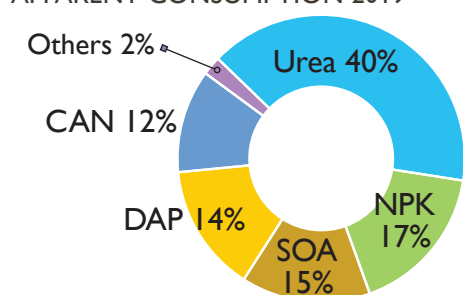
FERTILIZER IMPORTS 2020



FERTILIZER IMPORTS 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	72,123	78,976	155,274	104,644	104,918	138,815	151,319	176,562	78,090	259,269
DAP	84,608	19,460	54,390	30,616	56,205	102,667	82,207	109,706	66,101	128,474
NPK	83,526	68,692	81,527	66,012	55,379	53,292	81,842	85,701	81,760	115,159
CAN	29,433	39,342	39,399	21,304	32,592	50,378	51,450	78,150	68,228	62,673
SoA	9,998	21,910	33,782	16,406	11,811	27,178	39,222	43,210	53,647	77,134
MOP	2,430	4,805	4,127	375	6,794	2,137	3,263	10,744	5,007	10,547
Others	7,334	3,650	4,737	40,310	4,535	5,935	7,940	7,438	12,976	9,612
Total	289,452	236,835	373,235	279,666	272,234	380,402	417,242	511,510	365,808	662,868

APPARENT CONSUMPTION 2019



FERTILIZER APPARENT CONSUMPTION 2011-2020 (MT)

Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Urea	71,911	78,804	152,198	98,953	80,360	118,245	120,627	161,548	57,482	211,986
NPK	83,064	57,804	69,508	65,938	43,026	38,181	71,903	65,905	34,126	89,749
SoA	9,998	21,880	33,323	26,982	11,811	46,699	39,222	43,210	53,417	76,634
DAP	84,749	19,359	44,634	30,616	36,523	70,790	56,188	74,914	26,738	75,918
CAN	28,431	39,342	39,129	21,289	29,792	50,378	49,450	77,020	66,328	61,263
Others	17,895	46,050	65,065	44,321	47,877	9,338	12,102	14,793	21,659	11,215
Total	296,047	263,240	403,857	288,100	249,389	333,631	349,491	437,390	259,750	526,765

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, Beans, Rice, Wheat	◆	◆										◆	◆