



AfricaFertilizer.org



FERTILIZER STATISTICS OVERVIEW GHANA 2014 - 2018

2019 Edition



Outline

1. Production
2. Imports
3. Exports
4. Origins
5. Agric. and non-agric. use
6. NPK import analysis
7. Consumption (app)
8. Summary

Background Information

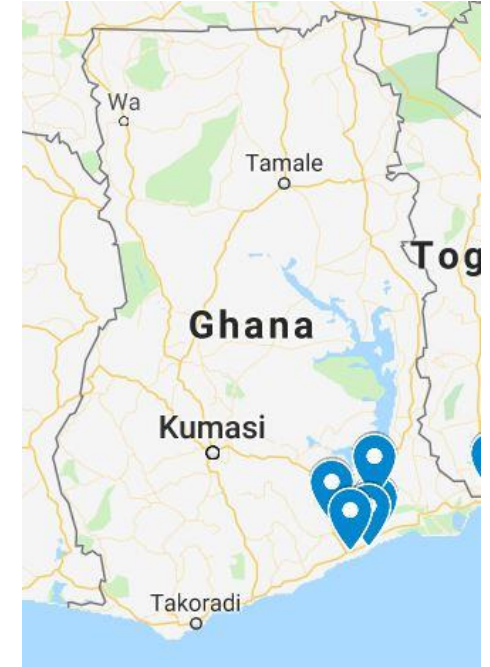
- Overview of fertilizer statistics in Ghana from 2014 – 2018.
- Emphasis is 2018 and each analysis is based on the products with higher quantities.
- Official trade data obtained from Ghana Statistical Service (GSS) and validated by CountrySTAT Fertilizer Technical Working Group – Ghana (FTWG-GHA)
- 2018 data validated from the 13th –14th March 2019.

Fertilizer Production

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Comments

- There is no primary production of inorganic fertilizers in Ghana.
- Fertilizers are imported in compounds and bulk. The bulk fertilizers are blended into various formulations and distributed through a network/system of distributors and retail agro-dealers.
- Five of the major importing companies, including Yara Ghana, Chemico Limited, Macrofertil, OmniFert and GloFert, have invested in blending plants that allows them to create different fertilizer formulations.
- All blending plants are located at the southern part of the country. Yara and Chemico are located at the port city of Tema; Macrofertil is at Kpong; OmniFert is located at Dawhenya; while GloFert is at Teacher Mantey.
- A sixth blending plant is being set up at Tema by the AMG Ltd
- A small percentage of organic fertilizers is produced locally by ACARP, Safisana and JEKORA Ventures.

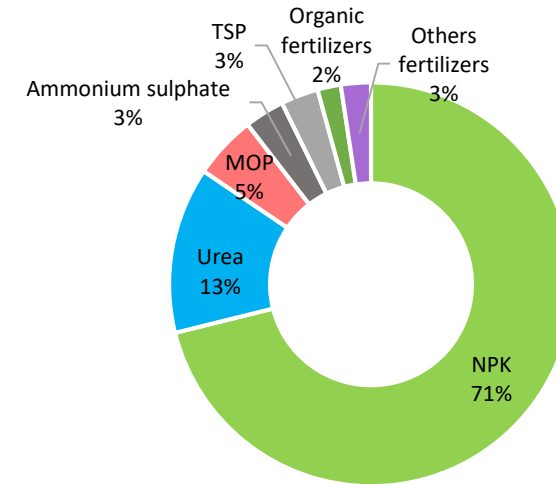


Fertilizer Imports

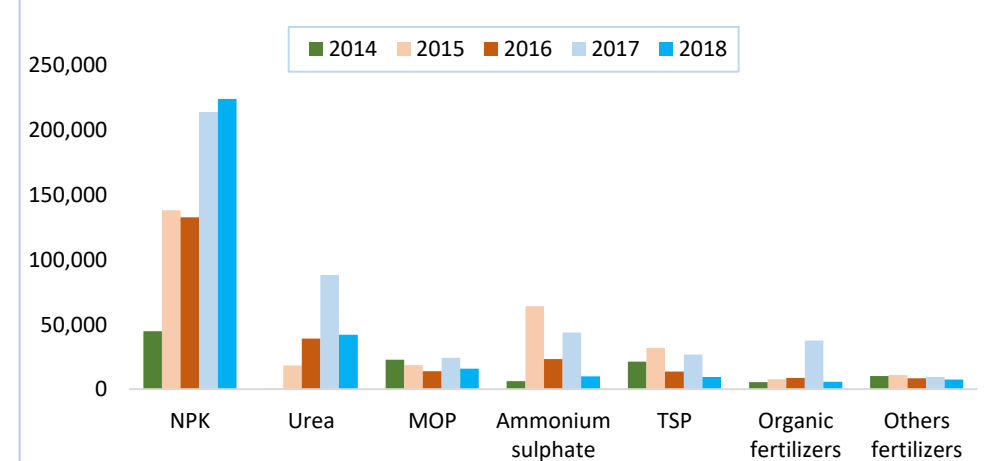
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HS Code	Fertilizer Name	2014	2015	2016	2017	2018
3105200000	NPK	44,880	138,140	132,632	213,887	224,176
3102100000	Urea	202	18,348	39,035	88,259	42,005
3104200000	MOP	22,715	18,707	13,842	24,235	15,993
3102210000	Ammonium sulphate	6,282	64,015	23,268	43,865	10,084
3103101000	TSP	21,258	32,052	13,802	26,766	9,460
3101000000	Organic fertilizers	5,523	7,818	8,772	37,643	5,875
	Others fertilizers	10,223	11,077	8,532	9,582	7,564
Total (mt)		111,083	290,156	239,883	444,236	315,157

TOP 6 IMPORTED FERTILIZERS 2018



TOP FERTILIZER IMPORTS PER YEAR



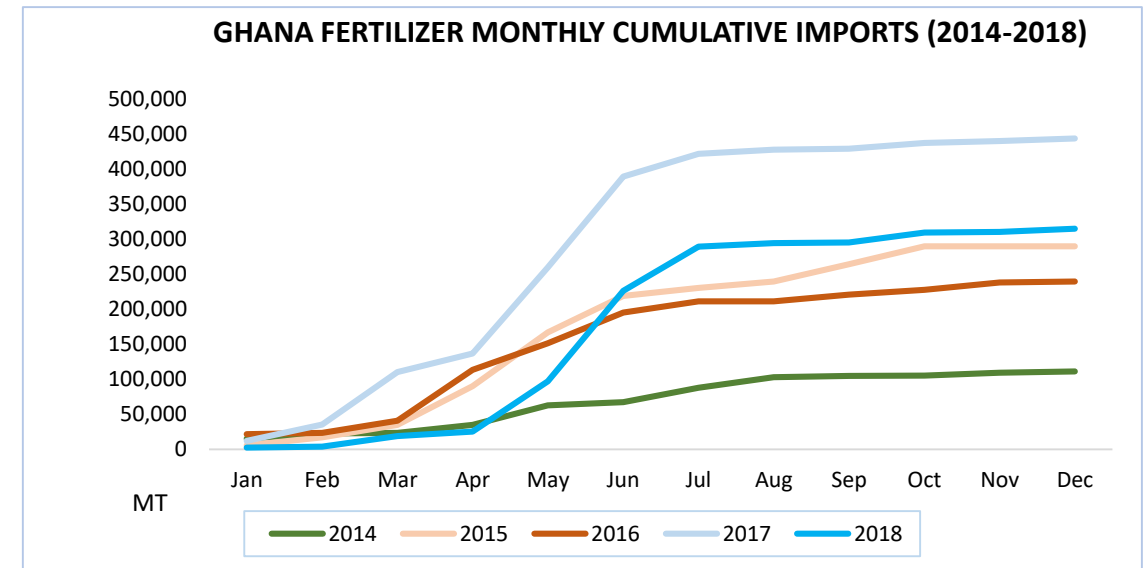
Comments

- NPK different formulations have been the most imported fertilizers in Ghana over the years. It accounted for 48% of all official fertilizer imports in 2018.
- Fertilizer imports decreased by 29% in 2018 compared to 2017. Two fertilizer subsidy programs ran concurrently in 2017, making the fertilizer imports in 2017 the highest in the country.
- Ghana fertilizer imports rely mostly on subsidies. In 2014, there was no fertilizer subsidy for food crops, which affected the imports of fertilizers.

Monthly Fertilizer Imports

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Quarter	2014	2015	2016	2017	2018
Q1	23,338	34,821	40,602	110,084	19,057
Q2	44,137	184,132	154,861	279,443	207,292
Q3	37,314	45,533	25,660	39,819	69,099
Q4	6,294	25,669	18,760	14,890	19,708
Total (mt)	111,083	290,156	239,883	444,236	315,157



Comments

- Most fertilizers imported to Ghana arrived at the port around the second quarter.
- In 2018, fertilizer import was at its peak in June with over 129,000MT.

Crop Calendar

SEASON	CROPS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Major Season (Long Rains)	Cassava(1st year)				◆	◆	◆						
	Cassava(2nd year)												
	Maize(North main*)						◆	◆	◆				
	Maize(South main*)			◆	◆	◆							
	Sorghum & Millet					◆	◆	◆	◆				
	Rice(North)					◆	◆	◆	◆				
	Rice(South)				◆	◆	◆						
Minor Season (Short Rains)	Yams	◆	◆	◆	◆								
	Cassava, Maize, Millet, Sorghum, Rice, Yams							◆	◆	◆			

Key: ◆ Fertilizer Peak Demand Sowing Growing Harves

Source : FAO/GIEWS

Fertilizer Exports

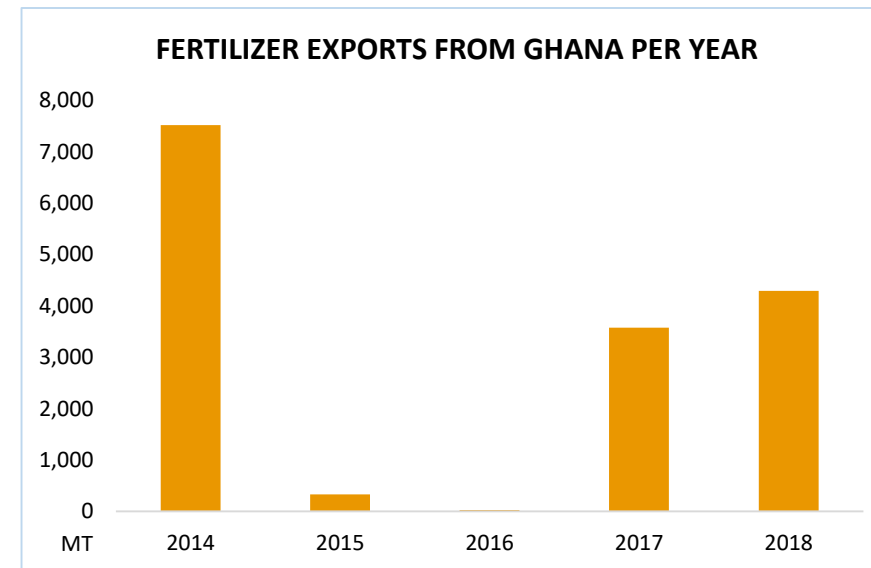
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HS Code	Fertilizer Name	2014	2015	2016	2017	2018
3105200000	NPK	5,536	238		3,500	4,000
3102100000	Urea	339	95			3
3103101000	TSP	1,645				
	Other fertilizers	-		25	75	288
Total (mt)		7,520	333	25	3,575	4,291

Comments

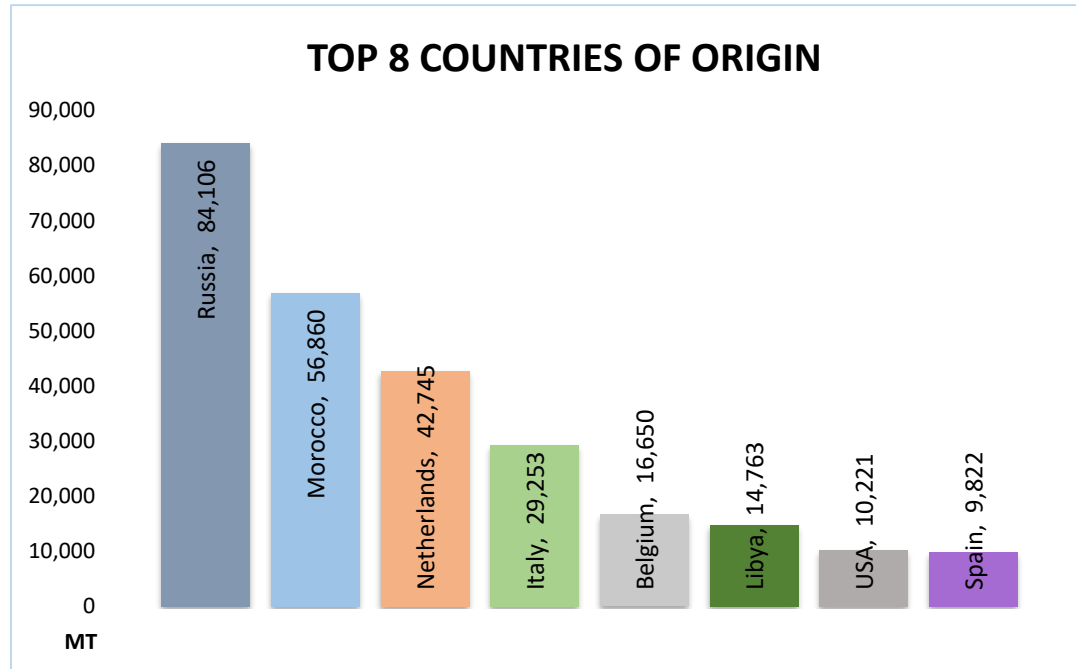
- Official fertilizer re-exports are very low. In 2018, there were about 4,000mt of fertilizers, mostly NPK, re-exported to Burkina Faso, and a few to Cameroon and Cote d'Ivoire.

- ❖ Ghana does not produce fertilizers. All exports are 're-exports'. Fertilizers are mostly imported in bulk, blended and bagged before exporting.



Fertilizer Origins

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Countries of Origin	Russia	Morocco	Netherlands	Italy	Belgium	Libya	Other Countries
NPK	38%	21%	11%	13%	7%	-	10%
Urea	-	-	42%	-	-	35%	23%
MOP	-	-	-	-	-	-	100%
Ammonium sulphate	-	-	-	-	-	-	100%
TSP	-	41%	-	-	-	-	59%
Organic	-	-	14%	-	11%	-	76%
Others	-	76%	2%	0%	1%	-	21%



Urea

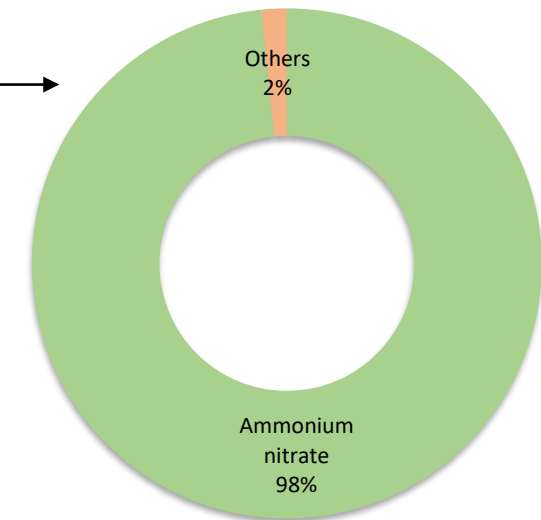
- ❖ Most MOP were imported from Germany.
- ❖ Most SoA were imported from China.

Agricultural and Non-agricultural Uses

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Usage	2014		2015		2016		2017		2018	
	Volume (MT)	%	Volume (MT)	%	Volume (MT)	%	Volume (MT)	%	Volume (MT)	%
Agriculture	111,083	52%	290,156	81%	239,883	83%	444,236	86%	315,157	78%
Industrial/Mines	102,138	48%	67,673	19%	50,276	17%	73,957	14%	90,416	22%
Total (MT)	213,221	100%	357,829	100%	290,159	100%	518,193	100%	405,573	100%

2018 NON FERTILIZER USE



Comments

- Some products can be used for both agricultural and industrial purposes depending on the importer.
- In Ghana, products like Ammonium nitrate are imported and mostly used by the mining industries.

NPK Imports Analysis

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HS Code	Fertilizer Name	2014	2015	2016	2017	2018
3105200000	Total NPK	44,880	138,140	132,632	213,887	224,176
3105510000	Total NP	125	-		40	2
3105700000	Total NK	643	48		0	24
3105600000	Total PK	9	-		11	
3105900000	NPK (Unknown Grade)	-	89	0	16	
Total (mt)		45,658	138,277	132,632	213,954	224,203

Fertilizer	2018 NPK Imports
NPK 20 10 10	64,295
NPK 15 15 15	62,635
NPK 27 6 6	32,119
NPK 23 10 5 + 3S + 2MgO + 0.3Zn	29,181
NPK 21 5 5	24,130
NPK 5 16 15 + 3MgO + 16CaO + 6S	9,814
Other NPK's	2,030
Total (mt)	224,203

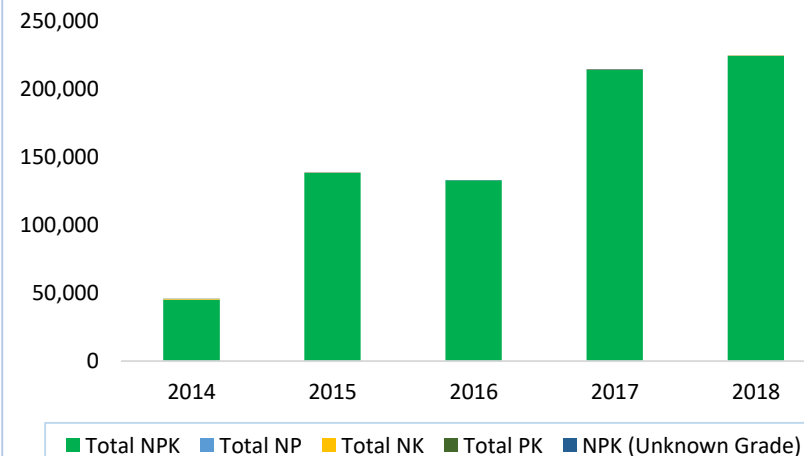


NPK Blend

Comments

- Blending companies import Urea, TSP, DAP, MAP and MOP to blend different formulations of NPK for farmers in Ghana.
- Blenders and other major fertilizer importing companies also import finished NPK with various grades to sell directly to farmers.

TOTAL NPK IMPORTS PER YEAR



Fertilizer Apparent Consumption

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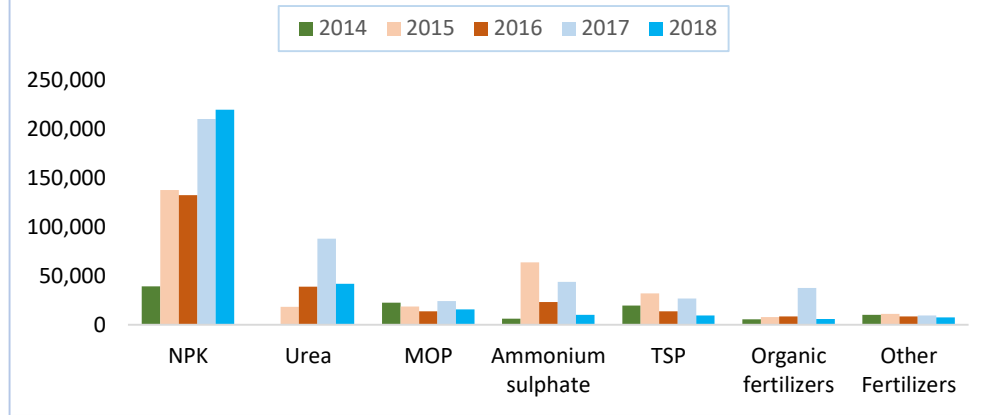
HS Code	Fertilizer Name	2014	2015	2016	2017	2018
3105200000	NPK	39,344	137,902	132,632	210,387	220,176
3102100000	Urea	-	18,253	39,035	88,259	42,002
3104200000	MOP	22,702	18,707	13,842	24,235	15,712
3102210000	Ammonium sulphate	6,282	64,015	23,268	43,865	10,084
3103101000	TSP	19,613	32,052	13,802	26,766	9,460
3101000000	Organic fertilizers	5,523	7,818	8,747	37,568	5,868
	Other Fertilizers	10,223	11,077	8,532	9,582	7,564
Total (mt)		103,688	289,822	239,858	440,661	310,866

Comments

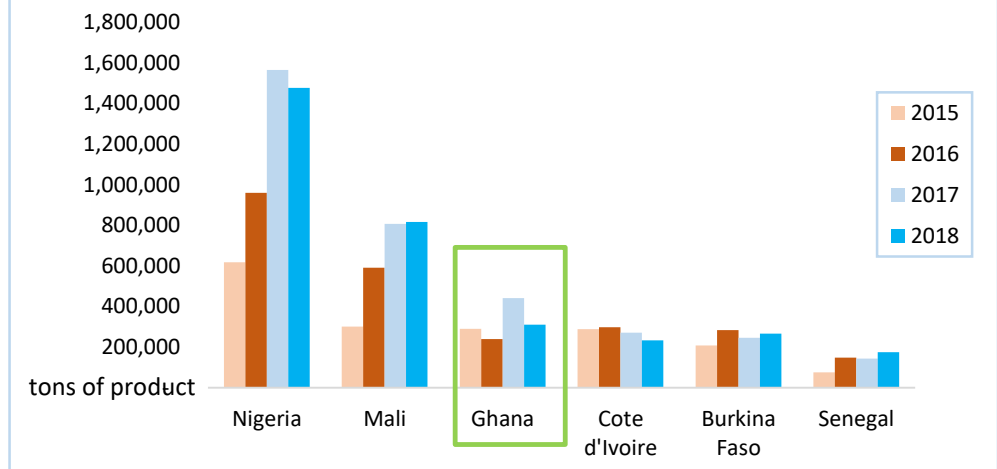
- NPK is the most consumed fertilizer in Ghana.
- There was a 29% decrease in fertilizer apparent consumption in 2018 as against 2017.
- Carryover stocks from the previous years are unknown.

NB: Apparent consumption = Production + Imports – Exports – non fertilizer use

TOP FERTILIZER APPARENT CONSUMPTION PER YEAR , (2013 - 2018)



FERTILIZER APPARENT CONSUMPTION, 2015 - 2018



Summary of 2018 Fertilizer Statistics

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New HS Code	Product	Production	Total imports	Exports	Non fertilizer use	Fertilizer imports	2018 Apparent consumption
3105200000	NPK		224,176	4,000		224,176	220,176
3102100000	Urea		42,148	3	143	42,005	42,002
3104200000	MOP		16,495	281	502	15,993	15,712
3102210000	Ammonium sulphate		10,429		345	10,084	10,084
3103101000	TSP		9,460			9,460	9,460
3101000000	Organic fertilizer		5,875	7		5,875	5,868
3105400000	MAP		4,433		1	4,432	4,432
3105300000	DAP		1,576		0	1,576	1,576
2510000000	Phosphate rock		703			703	703
2834210000	Potassium nitrate		323			323	323
3102600000	Calcium nitrate		273			273	273
3104300000	SOP		153		0	153	153
3104900000	Other potash		74			74	74
3105700000	NK compounds		24			24	24
3102400000	CAN		3			3	3
3105510000	NP compounds		2			2	2
3102900000	Other nitrogen		1			1	1
3102300000	Ammonium nitrate		88,975		88,975		-
3102500000	Sodium Nitrate		449		449		-
Total (mt)		-	405,573	4,291	90,416	315,157	310,866

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GHANA

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Participants of 2019 FTWG

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