

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UNSTARRED QUESTION NO. 510 TO BE ANSWERED ON : 25.07.2023

Water soluble fertilizers

510. DR. ANIL SUKHDEORAO BONDE:

Will the Minister of **CHEMICALS AND FERTILIZERS** be pleased to state:

- (a) whether the Government is encouraging the use of water soluble fertilizers in the country;
- (b) if so, the details thereof;
- (c) the location where water soluble fertilizers are being produced in the country;
- (d) whether water soluble fertilizers are being imported; and
- (e) if so, the details thereof along with the names of the countries from which these are being imported

ANSWER

MINISTER OF STATE FOR CHEMICALS & FERTILIZERS

(SHRI BHAGWANTH KHUBA)

(a) to (c) : Sir, the Government of India (GoI) advocates the balanced and judicious use of fertilizers. In fertilizers Control Order, 1985, 100% water soluble complex fertilizer i.e Potassium Nitrate (13-0-45), Mono-Potassium Phosphate (0-52-34) (100% water soluble), Calcium Nitrate, Potassium Magnesium Sulphate, Mono Ammonium Phosphate 12:61:0 (100 % water soluble), Urea phosphate 17:44:0 (100 % water soluble), Potassium Nitrate (Prilled) (13-0-45) (Soil Application) , 24-24-0 (100 % water soluble Complex fertilizer) and Potassium Metaphosphate dimer (0-40-40) have been incorporated. Further the GoI issued the general specification for 100 % water soluble Mixture of fertilizers. Accordingly, different companies produce 100% water soluble fertilizers at different places in the country.

The water soluble fertilizers are produced at Vadodara, Gujarat; Kandla, Gujarat; Vizag/Kakinada, Andhra Pradesh; Jagdishpur, Uttar Pradesh; Bangalore, Karnataka; Pune, Maharashtra; Trombay, Maharashtra; Taloja, Maharashtra; Theni, Tamil Nadu; Goa and Kerala.

(d) & (e) : Yes Sir, the water soluble fertilizers are being imported from Belgium, China, Egypt, Germany, Indonesia, Israel, Italy, Jordan, Netherlands, Norway, Poland, Russia, Saudi Arabia, Singapore, Spain, Taiwan- Province of China, Thailand, Turkey, United Arab Emirates, United Kingdom and Vietnam. The details of imports of water soluble fertilizers alongwith the countries of imports are enclosed at **Annexure A**.

**COMPANY-WISE IMPORT OF WATER SOLUBLE FERTILISERS
2019-20 to 2021-22 (Provisional)**

(tonnes)

S. No.	Company	Product	Grade	2019-20	2020-21	2021-22	
1	Chambal Fertilisers & Chemicals Limited	NPK	19-19-19	-	-	783	
		Potassium Sulphate - SOP	0-0-50	-	-	75	
		Potassium Nitrate - KNO ₃	13-0-45	-	-	390	
		Mono Ammonium Phosphate - MAP	12-61-0	-	-	125	
		Mono Potassium Phosphate - MKP	0-52-34	-	-	189	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	2,187	-	5,829	
2	Coromandel International Ltd.	Potassium Nitrate - KNO ₃	13-0-45	5,000	6,797	7,668	
		Mono Ammonium Phosphate - MAP	12-61-0	4,906	5,496	5,669	
		Mono Potassium Phosphate - MKP	0-52-34	1,026	1,535	1,512	
		Potassium Sulphate - SOP	0-0-50	2,306	2,269	1,792	
		Calcium Nitrate, CN - (CaNO ₃) ₂	-	8,317	10,889	10,973	
3	DCM Shriram Limited (Unit-Shriram Ferts. & Chems.)	Potassium Nitrate - KNO ₃	13-0-45	502	687	702	
						183	D
		Potassium Sulphate -SOP	0-0-50	356	550	475	
						230	D
		Mono Ammonium Phosphate - MAP	12-61-0	304	273	308	
						160	D
		Mono Potassium Phosphate - MKP	0-52-34	378	709	865	
						600	D
		NPK	19-19-19	950	762	297	
						688	D
		NPK	20-20-20	379	305	-	
						188	D
NPK	13-40-13	163	207	54			
				139	D		
Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	3,816	5,230	4,023			
				1,033	D		

4	Goyal Chemical Industries	NPK	19-19-19	112	142	-	
		Mono Potassium Phosphate - MKP	0-52-34	124	160	-	
		Potassium Nitrate - KNO ₃	13-0-45	48	52	-	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	118	215	-	
		Potassium Sulphate - SOP	0-0-50	72	80	-	
		Mono Ammonium Phosphate - MAP	12-61-0	30	35	-	
5	Greenstar Fertilizers Limited	NPK	19-19-19	2,052	1,573	2,111	
		Potassium Nitrate - KNO ₃	13-0-45	1,392	1,126	739	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	2,808	2,496	1,916	
		Mono Ammonium Phosphate - MAP	12-61-0	650	1,230	1,026	
		Mono Potassium Phosphate - MKP	0-52-34	675	688	484	
		Potassium Sulphate - SOP	0-0-50	202	330	424	
		NPK	0-60-20	-	-	54	
		NPK	13-40-13	-	658	154	
	D = Domestic Sourcing						

**2.05 COMPANY-WISE IMPORT OF WATER SOLUBLE FERTILISERS
2019-20 to 2021-22 (Provisional) (Continued)**

							(tonnes)
S. No.	Company	Product	Grade	2019-20	2020-21	2021-22	
6	Gujarat State Fertilizers & Chemicals Limited	Mono Potassium Phosphate - MKP	0-52-34	1,329	-	-	
		Mono Ammonium Phosphate - MAP	12-61-0	1,782	-	-	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	3,834	-	-	
		Potassium Sulphate - SOP	0-0-50	566	-	-	
7	ICL Management & Trading India Pvt. Ltd.	Mono Ammonium Phosphate - MAP	12-61-0	1,773	2,716	1,488	
		Mono Potassium Phosphate - MKP	0-52-34	2,016	2,064	2,400	
		NPK	13-40-13	864	720	1,224	
		NPK	19-19-19	1,320	1,416	1,752	
		Potassium Sulphate - SOP	0-0-50	1,190	2,250	1,923	
		Potassium Nitrate (NOP) - KNO ₃	13-0-45	1,519	1,998	1,963	
		Calcium Nitrate, CN -	15.5-0-0-18.8				

		(CaNO ₃) ₂		1,755	2,187	2,027	
8	Indian Farmers Fertiliser Cooperative Ltd.	Mono Potassium Phosphate - MKP	0-52-34	1,863	2,397	2,547	
		Mono Ammonium Phosphate - MAP	12-61-0	2,079	1,840	1,065	
		Potassium Nitrate - KNO ₃	13-0-45	1,835	1,541	1,509	
		Potassium Sulphate - SOP	0-0-50	1,516	4,024	2,345	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	10,631	982	5,782	
9	Mahabir Bajrang Agro Chemical Pvt. Ltd.	Mono Ammonium Phosphate - MAP	12-61-0	-	-	26	
		Mono Potassium Phosphate - MKP	0-52-34	-	-	27	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	-	-	27	
10	Mangalore Chemicals & Fertilizers Limited	Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	1,836	5,102	-	
		Potassium Nitrate - KNO ₃	13-0-45	2,026	3,087	-	
		Mono Potassium Phosphate - MKP	0-52-34	432	2,376	-	
		Potassium Sulphate - SOP	0-0-50	216	1,596	-	
		Mono Ammonium Phosphate - MAP	12-61-0	1,075	4,205	-	
11	PR Agro Nutri Pvt. Ltd.	Potassium Nitrate - KNO ₃	13-0-45	960	674	1,056	
		Mono Ammonium Phosphate - MAP	12-61-0	762	715	486	
		Mono Potassium Phosphate - MKP	0-52-34	785	730	840	
		NPK	13-40-13	337	288	144	
		NPK	19-19-19	888	336	290	
		NPK	20-20-20	264	240	144	
		Potassium Sulphate - SOP	0-0-50	644	421	476	
		NPK	15-15-30	48	144	72	
		NPK	17-10-27	48	48	-	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	593	683	748	
2.05 COMPANY-WISE IMPORT OF WATER SOLUBLE FERTILISERS 2019-20 to 2021-22 (Provisional) (Continued)							
(tonnes)							
S. No.	Company	Product	Grade	2019-20	2020-21	2021-22	
12	Pratik Laboratories	Mono Ammonium Phosphate - MAP	12-61-0	25	66	-	

		Mono Potassium Phosphate - MKP	0-52-34	39	54	-	
		Potassium Sulphate - SOP	0-0-50	81	50	-	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	112	48	-	
13	Rashtriya Chemicals and Fertilizers Ltd.	Mono Ammonium Phosphate - MAP	12-61-0 (Imported/Traded)	592	65	-	
		Potassium Sulphate - SOP	0-0-50 (Imported/Traded)	-	945	-	
14	Smartchem Technologies Limited (100% subsidiary of Deepak Fertilizers and Petrochemicals Corporation Limited)	Mono Ammonium Phosphate - MAP	12-61-0	4,155	5,636	2,394	
		Mono Potassium Phosphate - MKP	0-52-34	2,511	4,509	1,458	
		Potassium Nitrate - KNO ₃	13-0-45	3,603	3,131	2,824	
		Potassium Sulphate - SOP	0-0-50	1,645	3,993	2,205	
		Field Grade SOP	-	3,193	4,451	1,550	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	6,098	7,804	6,552	
		NPK	19-19-19	-	-	324	
		Miscellaneous NPK Grades	-	700	1,800	1,100	
15	Vanita Agrochem (India) Pvt. Ltd.	Mono Potassium Phosphate - MKP	0-52-34	2,565	2,835	1,404	
		Mono Ammonium Phosphate - MAP	12-61-0	2,780	3,785	3,828	
		Potassium Nitrate - KNO ₃	13-0-45	2,446	2,079	1,092	
		Urea Phosphate	17-44-0	81	27	107	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	2,025	2,835	2,052	
16	Yara Fertilisers India Pvt. Ltd.	Potassium Nitrate - KNO ₃	13-0-45	2,237	3,050	3,800	
		Mono Ammonium Phosphate - MAP	12-61-0	2,157	2,650	3,439	
		Mono Potassium Phosphate - MKP	0-52-34	1,667	2,600	2,510	
		NPK	11-42-11	744	-	-	
		NPK	19-19-19	1,056	-	-	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	17,900	19,200	16,250	
		Potassium Sulphate - SOP	0-0-50	4,360	6,600	3,245	
		Miscellaneous NPK Grades	-	2,350	2,670	2,540	
17	Zuari Agro Chemicals Limited	Potassium Nitrate - KNO ₃	13-0-45	-	325	-	
		Mono Potassium Phosphate - MKP	0-52-34	-	162	-	

		Mono Ammonium Phosphate - MAP	12-61-0	250	250	-	
18	Zuari Farmhub Limited	Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	-	-	1,997	
		Potassium Nitrate - KNO ₃	13-0-45	-	168	1,692	
		Mono Potassium Phosphate - MKP	0-52-34	-	162	1,674	
		Mono Ammonium Phosphate - MAP	12-61-0	-	250	1,850	
		Potassium Sulphate - SOP	0-0-50	-	-	700	

**2.05 COMPANY-WISE IMPORT OF WATER SOLUBLE FERTILISERS
2019-20 to 2021-22 (Provisional) (Concluded)**

(tonnes)							
S. No.	Company	Product	Grade	2019-20	2020-21	2021-22	
	Total (18 companies)	Urea Phosphate	17-44-0	81	27	107	
		NPK	19-19-19	6,378	4,229	6,245	
		Potassium Nitrate - KNO ₃	13-0-45	21,568	24,715	23,618	
		Mono Ammonium Phosphate - MAP	12-61-0	23,320	29,212	21,864	
		Mono Potassium Phosphate - MKP	0-52-34	15,410	20,981	16,510	
		Potassium Sulphate - SOP	0-0-50	16,347	27,559	15,440	
		Calcium Nitrate, CN - (CaNO ₃) ₂	15.5-0-0-18.8	62,030	57,671	59,210	
		NPK	13-40-13	1,364	1,873	1,715	
		NPK	20-20-20	643	545	332	
		NPK	15-15-30	48	144	72	
		NPK	0-60-20	-	-	54	
		NPK	17-10-27	48	48	-	
		NPK	11-42-11	744	-	-	
		Miscellaneous NPK Grades¹	-	3,050	4,470	3,640	
Grand Total (All grades)				151,031	171,474	148,806	
1 = includes grades of which gradewise break-up is not available							
Note : "-" denotes nil / not available							

Source: FAI
