

ANNEXURES

ANNEXURE 1: All India Production of Straight Nitrogenous Fertilizers 1951-52 to 2021-22 (April-March).

2.03 ALL INDIA PRODUCTION OF STRAIGHT NITROGENOUS FERTILISERS 1951-52 to 2021-22 (April-March)							
Year	Ammonium sulphate (20.6% N)	Ammonium sulphate nitrate (26%N)	Urea** (46% N)	Calcium ammonium nitrate (25%N)	Ammonium chloride (25% N)	Total ('000 tonnes)	
						Nutrient* N (straight)	Product
1951-52	140.3	—	—	—	—	28.9	140.3
1955-56	373.1	—	—	—	—	76.9	373.1
1956-57	382.5	—	—	—	—	78.8	382.5
1960-61	399.0	40.0	11.8	51.3b	10.3	110.9	512.4
1961-62	402.3	53.2	13.5	228.1b	11.2	152.2	708.3
1962-63	422.2	62.2	18.7	381.7b	10.6	192.7	895.4
1963-64	426.0	47.2	19.1	498.1b	14.3	214.6	1,004.7
1964-65	474.4	47.8	17.9	555.6b	11.9	235.3	1,107.6
1965-66	449.4	52.3	27.5	503.1b	16.4	226.9	1,048.7
1966-67	438.4	50.0	141.0	540.9b	14.5	282.7	1,184.8
1967-68	498.6	60.9	290.9	337.8b	194.3	25.4	374.0
1968-69	575.3	49.2	473.2	180.0b	358.9	17.2	479.9
1969-70	581.8	42.8	828.6	3.0b	437.3	12.9	625.3
1970-71	612.3	41.8	1,096.2	317.2	22.1	725.6	2,089.9
1971-72	599.1	30.4	1,236.1	411.5	18.4	807.4	2,295.5
1972-73	554.5	57.0	1,417.7	419.8	13.9	886.7	2,462.9
1973-74	574.6	48.7	1,406.8	431.3	13.7	889.4	2,475.1
1974-75	589.4	26.7	1,734.3	406.6	10.2	1,030.1	2,767.1
1975-76	611.1	21.3	2,196.7	617.5	15.5	1,300.0	3,462.1
1976-77	586.5	2.0	2,875.3	638.2	17.6	1,608.8	4,119.6
1977-78	557.3	—	3,071.8	509.3	16.7	1,659.3	4,155.1
1978-79	508.6	—	3,306.0	558.3	17.9	1,769.8	4,391.3
1979-80	479.3	—	3,513.5	465.3	12.7	1,834.5	4,470.8
1980-81	436.2	—	3,384.2	347.4	18.9	1,758.7	4,186.7
1981-82	443.2	—	5,384.3	403.8	18.9	2,673.8	6,250.3
1982-83	477.7	—	6,019.9	290.0	37.2	2,938.8	6,824.8
1983-84	424.8	—	6,073.8	326.4	61.6	2,973.5	6,886.6
1984-85	454.0	—	6,687.9	409.2	77.2	3,291.7	7,629.0
1985-86	518.9	—	7,467.3	381.1	103.8	3,663.1	8,471.1
1986-87	534.4	—	9,576.6	389.5	92.3	4,635.8	10,592.8
1987-88	538.7	—	9,834.8	421.3	87.2	4,763.7	10,882.0
1988-89	610.1	—	11,867.1	480.2	96.7	5,728.8	13,054.1
1989-90	586.2	—	12,486.0	425.2	79.9	5,990.6	13,577.3
1990-91	557.5	—	12,835.9	435.9	78.8	6,148.0	13,908.1
1991-92	553.5	—	12,831.3	446.3	112.5	6,156.1	13,943.6
1992-93	563.2	—	13,125.9	545.5	122.2	6,320.9	14,356.8
1993-94	620.3	—	13,150.2	666.2	131.4	6,376.3	14,568.1
1994-95	584.8	—	14,137.1	571.9	136.5	6,800.6	15,430.3
1995-96	634.5	—	15,805.6	491.1	138.9	7,558.8	17,070.1
1996-97	665.6	—	15,628.7	388.5	122.1	7,454.0	16,804.9
1997-98	561.5	—	18,594.5	437.7	110.4	8,806.1	19,704.1
1998-99	550.6	—	19,292.2	466.4	63.4	9,120.3	20,372.6
1999-2000	592.4	—	19,807.7	318.2	87.5	9,335.0	20,805.8
2000-01	593.4	—	19,623.8	246.5	102.4	9,236.4	20,566.1
2001-02	574.7	—	19,003.1	180.7	81.5	8,925.4	19,840.0
2002-03	544.4	—	18,621.2	173.3	78.9	8,740.9	19,417.8
2003-04	600.7	—	19,038.3	141.2	77.8	8,936.1	19,858.0
2004-05	615.9	—	20,239.2	184.4	82.4	9,503.6	21,121.9
2005-06	619.3	—	20,085.1	172.8	79.8	9,429.9	20,957.0
2006-07	634.8	—	20,271.2	144.3	74.4	9,510.2	21,124.7
2007-08	483.1	—	19,838.8	134.6	—	9,259.0	20,456.5
2008-09	554.8	—	19,923.2	138.5	—	9,313.6	20,616.5
2009-10	620.8	—	21,120.7	102.7	—	9,869.1	21,844.2
2010-11	637.0	—	21,872.5	98.7	23.1	10,223.0	22,631.3
2011-12	595.4	—	21,992.3	115.0	78.4	10,287.4	22,781.1
2012-13	573.2	—	22,586.6	106.9	50.1	10,547.2	23,316.8
2013-14	624.1	—	22,718.7	44.4	7.7	10,592.2	23,394.9
2014-15	581.5	—	22,592.9	—	40.4	10,522.5	23,214.8
2015-16	560.1	—	24,461.3	—	45.6	11,379.0	25,067.0
2016-17	632.3	—	24,200.8	—	40.8	11,272.8	24,873.9
2017-18	688.7	—	24,026.0	—	43.0	11,204.6	24,757.7
2018-19	658.4	—	23,899.2	—	52.2	11,142.3	24,609.8
2019-20	793.7	—	24,455.2	—	42.8	11,423.6	25,291.7
2020-21	847.9	—	24,603.1	—	17.7	11,496.5	25,468.7
2021-22	750.3	—	25,075.7	—	37.4	11,698.7	25,863.4

* For agricultural purposes only. b = These figures are for 20.5% N grade.

** Net production or saleable urea. Excludes urea used for manufacture of complex fertilisers.

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 2: All India Production of DAP and NP/NPK Complex Fertilizers 1992-93 to 2021-22 (April-March)

2.05 ALL INDIA PRODUCTION OF DAP AND NP/NPK COMPLEX FERTILISERS 1960-61 to 2021-22 (April-March) (Concluded)																	(000 tonnes)	
Year	NPs						NPKs						Total					
	28-28-0	24-24-0 23-23-0 ^j 24-24-0-8 ^{kl}	20-20-0 13 (APS)	20-20-0 (ANP)	18-46-0 (DAP) 16-44-0 ^k	16-20-0 13(APS) 14-28-0	19-19-19	17-17-17	15-15-15 16-16-16	14-35-14 8-21-21	14-28-14 9-24-24	12-32-16	10-26-26	Nutrients from NPs & NPKs		Product		
														N @	P ₂ O ₅			
1992-93	343.2	166.4 ^a	782.5	290.2 ^a 77.4 ^a	2598.8	104.7	122.9	690.4	351.5	29.7	—	275.1	281.5	1109.7	1948.1	6114.2		
1993-94	283.0	10.2 ^a	749.9	267.2 ^a 133.0 ^b	1951.5	92.9	129.5	483.7	303.1	10.6	—	193.3	251.0	854.9	1513.1	4858.9		
1994-95	326.5	67.6 ^a	968.2	253.4 ^a 149.3 ^b	2820.1	142.4	153.7	650.2	240.2	19.9	—	353.4	262.9	1160.6	2072.8	6407.8		
1995-96	266.0	144.2 ^a	1211.2	238.0 ^a 150.5 ^b	2645.3	175.4	173.6	724.1	303.4	32.3	—	360.2	272.1	1210.0	2080.3	6696.4		
1996-97	232.5	163.3 ^a	874.0	249.0 ^a 137.5 ^b	2765.2	167.9	153.5	436.1	351.5	109.7	184.0	338.2	200.6	1139.1	2068.7	6363.0		
1997-98	147.7	184.9 ^a	854.6	246.7 ^a 155.7 ^b	3665.6	200.1	156.2	430.9	331.7	135.6	17.6	362.1	302.4	1276.9	2462.9	7191.8		
1998-99	175.9	176.7 ^a	900.1	241.5 ^a 150.8 ^b	3864.4	214.3	79.4	684.0	354.6	114.6	26.2	352.1	303.3	1357.0	2594.3	7637.8		
1999-2000	166.3	190.0 ^a	1195.0	311.7 ^a 155.7 ^b	3860.8	232.5	131.1	799.5	410.4	193.2	11.8	507.9	688.2	1538.2	2882.5	8854.1		
2000-01	247.8	144.2 ^a	1384.3	251.8 ^a 159.2 ^c	4881.5	198.0	252.9	622.8	300.2	153.7	15.0	493.3	507.1	1706.5	3295.4	9611.8		
2001-02	225.0	184.8 ^a	1400.2	434.5 ^a	5091.2	196.3	286.9	507.3	351.4	141.8	5.7	547.2	619.5	1764.1	3436.6	9991.7		
2002-03	175.3	164.2 ^a	1428.7	424.3 ^a	5235.6	194.0	281.4	360.7	303.8	218.4	10.2	670.2	629.9	1766.7	3522.5	10096.7		
2003-04	292.5	150.1 ^a	1185.7	356.6 ^a	4708.7	110.8	313.0	335.9	296.5	197.5	—	793.9	474.5	1620.7	3219.7	9215.8		
2004-05	329.9	73.5 ^a	1297.0	403.0 ^a	5172.3	117.2	280.2	315.7	355.1	346.3	—	978.2	762.5	1801.3	3644.6	10430.8		
2005-06	410.4	55.2 ^a	1633.2	426.4 ^a	4554.3	181.3	326.5	205.5	443.2	315.7	—	1518.8	1248.9	1903.1	3755.4	11319.3		
2006-07	361.6	66.0 ^a	2246.0	234.3 ^a	4713.1	178.1	305.8	57.1	482.8	400.7	—	1550.2	1430.2	2014.7	3964.5	12025.7		
2007-08	390.3	31.4 ^a	1292.2	193.4 ^a	4211.0	150.6	250.1	35.2	468.2	61.0	—	989.1	1971.1	1643.8	3354.9	10043.6		
2008-09	203.7	57.0 ^a	2442.9	134.0 ^a	2992.5	159.2	33.0	—	471.0	151.9	—	885.0	2325.9	1586.6	3011.9	9856.1		
2009-10	291.9	100.3 ^a	3233.9	183.7 ^a	4246.1	215.7	—	—	490.0	659.8	—	676.8	2206.8	2054.9	3879.4	12305.1		
2010-11	143.7	26.2 ^a	2777.3	324.2 ^a 99.0 ^d	3541.2 4.4 ^a	262.4	—	—	494.0	657.4	—	1104.3	2871.7	1955.6	3777.2	12305.8		
2011-12	288.4	178.0	3056.1	388.0 ^a	3951.3	255.1	18.4	7.6	506.0	274.3	248.2	1224.8	1357.1	2000.9	3671.9	11753.3		
2012-13	264.1	184.5	2406.3	336.2 ^a	3646.8	185.9	8.0	100.1	480.3	191.0	-	734.1	1317.8	1690.1	3116.4	9855.2		
2013-14	371.4	242.8	2669.9	373.1 ^a 2.5 ^{an}	3628.2	181.7	91.1	65.5	338.1	138.5	-	854.2	1617.1	1816.4	3298.2	10574.2		
2014-15	449.0	39.0	3008.7	466.5 ^a 30.7 ^{an}	3445.4	81.3	78.3	82.6	420.0	240.2	-	1083.0	1850.0	1911.2	3442.2	11274.7		
2015-16	429.5	159.6	3513.4	384.5 ^a 11.9 ^{an}	3821.8	135.6	94.2	73.0	461.4	269.7	-	1217.1	1629.3	2096.9	3733.1	12201.0		
2016-17	424.6	217.8	3298.9	220.3 ^a 9.0 ^{an}	4333.4	98.1	67.9	68.6	465.3	244.8	-	1081.2	1727.2	2104.0	3865.2	12257.1		
2017-18	555.8	197.1	3262.5	216.6 ^a 29.2 ^{an}	4654.0	131.6	65.6	83.1	478.3	306.8	-	1048.9	1863.4	2218.0	4098.8	12892.9		
2018-19	558.9	198.4	3450.9	197.1 ^a 51.5 ^{an}	3898.6	248.4	97.7	36.2	561.1	360.1	-	1289.1	1930.0	2194.5	3938.3	12877.9		
2019-20	503.4	211.9	3849.9	194.3 ^a 43.0 ^{an}	4549.5	166.1	29.3	65.0	635.0 2.0 ^{an}	309.4	-	1056.7	1598.6	2298.6	4111.2	13214.0		
2020-21	645.0	235.1	3737.1	166.8 ^a 64.4 ^{an}	3773.8	195.7 15.5 ^{an}	69.2	53.6	562.0 2.0 ^{an}	382.5	-	1100.2	2098.0	2248.0	3950.7	13098.9		
2021-22	368.1	175.4	3841.4	118.6 ^a 39.0 ^{an}	4221.9	244.7 139.4 ^{an}	44.9	24.1	667.7 2.0 ^{an}	316.0 22.4 ^{an}	-	873.6	1389.8	2171.5	3855.5	12528.4		
a Grade 19-13-0 b Other grades c Grade 18-18-9 d Grade 18-9-9 e Grade 20-48-0 f Grade 19.5-19.5-0 g APSN 20-20-0 h Grade 20-20-0 i Grade 22-22-11 J 23-23-0 (nitrophos) K 20-20-0 (ANP) L DAP Lite (16-44-0) M 24-24-0-8 N 16-16-16 O 14-28-0 P 8-21-21 Q 9-24-24 * July-June basis ** Nitrophosphate # 20.7-20.7-0 (nitrophos) @ For agricultural purposes only.																		

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

3.00 IMPORT OF FERTILISERS

C = 10-26-26 * = 15-15-15 @ = 17-17-17 (P) = Provisional
 ** = Used for manufacture of complex fertilisers. \$ = Mono ammonium phosphate (11-52-0). () = TSP.
 Source: 1. Department of Fertilizers, Ministry of Chemicals & Fertilizers, Government of India.
 2. *Export Import Data Bank*, Department of Commerce, Ministry of Commerce & Industry, Government of India.
 3. Importers of Fertilisers.

ANNEXURE 4: All India Consumption of Fertilizer Products (Urea, MOP, & DAP) 1990-91 to 2021-22

6.02 (a) ALL-INDIA CONSUMPTION OF FERTILISER PRODUCTS												
1990-91 to 2021-22												
(000 tonnes)												
Year	Urea	A/S	ACI	CAN	SSP	TSP	MOP	SOP	DAP	MAP	Rock	10-26-26
1990-91	14,076.55	531.46	85.41	396.33	3,558.24		1,630.97	31.70	4,248.11		135.09	333.91
1991-92	14,003.29	487.07	85.84	400.26	3,164.79		1,700.88	20.81	4,517.71		121.08	333.98
1992-93	14,905.41	570.44	123.00	554.71	2,008.46		974.30	16.37	4,052.00		99.28	205.17
1993-94	15,810.46	591.42	139.24	629.10	2,352.65		1,052.73	8.78	3,480.09		120.99	433.65
1994-95	17,111.86	548.41	115.21	506.47	2,626.27		1,270.36	10.90	3,585.52		126.56	358.27
1995-96	17,908.95	588.02	112.15	447.68	2,983.33		1,392.28	11.90	3,451.47		140.95	231.95
1996-97	19,024.48	653.66	121.06	395.12	3,018.42		1,197.74	10.80	3,623.98		145.32	250.72
1997-98	19,618.85	606.50	103.58	401.50	3,659.74		1,729.02	15.15	5,372.19		159.90	323.30
1998-99	20,396.43	565.76	78.65	468.22	3,692.52		1,620.94	15.97	5,828.26		125.08	317.50
1999-2000	20,277.75	638.10	75.19	347.25	3,601.11		2,048.85	17.50	6,936.89		102.81	529.79
2000-01	19,186.45	615.09	67.48	242.87	2,860.02		1,829.26	9.67	5,884.60		81.38	578.43
2001-02	19,917.30	538.76	73.58	181.97	2,604.63		1,992.47	18.33	6,181.04		81.06	580.94
2002-03	18,493.09	472.84	55.26	160.60	2,498.79		1,912.02	19.28	5,473.05		77.79	614.40
2003-04	19,767.48	538.82	74.94	143.00	2,543.79		1,841.17	21.89	5,624.89		74.82	504.55
2004-05	20,665.19	528.57	82.18	184.37	2,549.35		2,406.20	25.62	6,255.78		62.56	822.77
2005-06	22,297.51	574.13	56.25	171.83	2,755.95		2,731.26	27.87	6,763.92		60.37	1,207.30
2006-07	24,337.66	557.91	56.12	145.20	2,910.47		2,585.61	27.26	7,381.00		42.98	1,341.39
2007-08	25,963.15	384.02	4.80	137.57	2,287.76		2,880.69	30.09	7,496.61	150.43	49.99	2,083.96
2008-09	26,649.21	384.78	-	124.00	2,616.61	206.54	4,077.33	30.13	9,231.21	223.87	57.28	2,362.36
2009-10	26,673.44	469.96	-	114.00	2,651.10	84.20	4,634.06	29.97	10,491.83	131.27	30.74	2,161.32
2010-11	28,112.53	615.95	13.43	103.98	3,825.20	86.65	3,931.62	19.27	10,869.90	98.02	47.43	2,887.96
2011-12	29,565.32	509.39	58.01	109.20	4,746.01	78.13	3,028.93	30.79	10,191.19	281.43	46.69	1,581.67
2012-13	30,002.20	529.71	3.11	89.99	4,030.36	39.56	2,211.02	34.46	9,154.08	150.55	12.38	1,545.22
2013-14	30,600.48	480.66	2.38	51.90	3,879.32	3.59	2,280.41	30.53	7,357.42	1.41	16.39	1,654.76
2014-15	30,609.97	508.55	0.89	7.68	3,989.30	1.84	2,853.35	18.95	7,625.56	0.94	31.75	1,845.19
2015-16	30,634.77	448.87	5.17	12.33	4,252.74	5.86	2,466.93	16.83	9,107.22	0.06	16.72	1,953.01
2016-17	29,613.58	426.09	4.13	7.14	3,756.81	-	2,863.20	5.68	8,963.51	-	36.18	1,797.93
2017-18	29,894.44	573.57	19.26	0.14	3,439.38	3.76	3,158.18	5.19	9,294.11	-	31.03	1,970.45
2018-19	31,418.09	560.23	23.50	1.95	3,578.89	-	2,956.57	-	9,211.13	-	27.32	1,873.77
2019-20	33,695.37	793.02	25.86	2.01	4,403.08	-	2,787.47	-	10,099.80	-	29.66	2,033.65
2020-21	35,042.52	884.70	10.85	2.34	4,488.76	-	3,424.89	-	11,911.48	-	33.13	2,490.94
2021-22 (P)	34,180.12	803.21	30.52	-	5,681.39	-	2,456.46	-	9,271.99	-	36.09	2,205.10
Note: DBT sale assumed as consumption from 2019-20 to 2021-22.												
(P) = Provisional												
(Continued)												

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 5: All India Consumption of Fertilizer Products (NP/NPKs) 1990-91 to 2021-22

6.02 (a) ALL-INDIA CONSUMPTION OF FERTILISER PRODUCTS (Concluded)													
1990-91 to 2021-22													
													(’000 tonnes)
Year	12-32-16	14-35-14	15-15-15*	16-20-0-13	17-17-17	19-19-19	20-20-0-13**	23-23-0 24-24-0 ¹	28-28-0	16-16-16 8-21-21 ²	13-33-0-6 14-28-0 ³	14-28-14 9-24-24 ²	Total NP/NPKs#
1990-91	271.24	21.23	390.17	77.16	594.11	222.68	804.99	38.99	358.25	-	-	-	3,112.73
1991-92	288.05	21.09	374.25	108.13	556.96	168.29	896.90	93.32	379.60	-	-	55.00	3,275.57
1992-93	255.69	25.25	259.47	69.03	767.94	130.27	813.98	193.03	323.60	-	-	-	3,043.43
1993-94	127.21	18.33	270.82	109.09	605.91	114.75	1,137.27	34.91	307.15	-	-	-	3,159.09
1994-95	271.20	22.98	355.65	144.39	754.71	158.97	1,523.47	55.49	328.96	-	-	-	3,974.09
1995-96	284.66	31.78	308.84	155.93	731.67	174.65	1,526.07	140.70	265.19	-	-	-	3,851.44
1996-97	382.01	77.08	297.06	192.19	427.69	133.57	1,251.82	155.12	241.40	-	-	179.51	3,588.17
1997-98	400.80	123.14	403.97	207.36	378.28	177.41	1,404.67	180.74	162.12	-	-	22.86	3,784.65
1998-99	297.63	124.71	379.00	209.66	757.60	78.01	1,287.78	170.53	172.69	-	-	25.90	3,821.01
1999-2000	499.45	184.32	341.82	220.89	681.00	126.63	1,531.56	222.19	173.66	-	-	11.47	4,522.78
2000-01	546.33	165.26	329.72	200.70	616.21	242.04	1,722.05	139.61	230.48	-	-	9.32	4,780.15
2001-02	570.25	142.26	349.76	195.45	551.45	286.78	1,873.07	167.06	235.82	-	-	10.51	4,963.35
2002-03	584.56	186.95	316.37	175.71	357.55	274.19	1,926.34	187.05	179.85	-	-	7.24	4,810.21
2003-04	865.59	233.13	324.85	131.34	425.88	306.60	1,535.67	154.55	274.01	-	-	0.68	4,756.85
2004-05	1,093.48	323.40	378.92	130.56	332.42	299.45	1,704.72	71.40	350.14	-	-	1.20	5,508.46
2005-06	1,465.01	343.15	444.47	175.24	202.84	333.26	2,081.63	53.27	387.85	-	-	-	6,694.02
2006-07	1,454.41	374.11	461.51	164.21	61.05	276.88	2,210.11	68.78	386.94	-	-	-	6,799.39
2007-08	1,265.52	104.72	490.20	166.55	35.18	281.20	1,723.37	32.14	387.88	-	-	-	6,570.72
2008-09	849.97	138.48	502.81	162.12	-	33.27	2,492.75	56.81	206.26	-	-	-	6,804.83
2009-10	699.12	650.06	484.67	210.34	-	0.14	3,466.52	99.44	253.22	-	-	-	8,024.83
2010-11	1,145.06	640.89	532.30	427.07	-	-	3,576.43	100.21	172.95	256.42	-	24.84	9,764.13
2011-12	1,205.94	315.80	500.27	523.58	5.37	12.13	5,416.95	173.16 ¹	289.18	47.44	112.40	210.81	10,394.70
2012-13	745.40	193.03	470.84	272.84	97.37	14.29	3,703.17	81.77 ¹	276.27	31.27	80.01	15.70	7,527.18
2013-14	815.06	152.64	380.30	163.71	55.70	87.68	3,336.82	245.47 ¹	311.61	55.44	2.79	1.54	7,263.52
2014-15	1,090.44	229.03	321.10	135.70	83.48	68.11	3,801.89	73.30 ¹	415.51	209.58	3.60	0.58	8,277.51
2015-16	1,178.42	310.34	560.56	171.50	69.71	83.80	3,782.00	162.70 ¹	443.25	93.97	0.36	11.43	8,821.05
2016-17	1,243.58	250.51	515.85	91.36	38.04	67.22	3,713.67	205.90 ¹	392.75	97.22	0.07	0.21	8,414.31
2017-18	1,221.34	303.34	510.20	119.41	78.56	61.42	3,546.72	215.63 ¹	484.74	78.32	0.15	6.15	8,596.43
2018-19	1,361.10	326.00	569.58	207.86	41.01	81.84	3,690.13	226.85 ¹	497.13	142.46	0.10	10.38	9,028.22
2019-20	1,293.66	343.37	665.39	186.58	67.59	77.28	4,225.08	275.40 ¹	534.26	154.62	-	-	9,856.88
2020-21	1,463.33	459.76	632.64	237.54	50.90	47.01	5,162.67	333.07 ¹	675.64	250.88	6.64 ²	-	11,811.00
2021-22 (P)	1,476.77	330.21	836.13	312.59	34.41	75.63	5,069.76	249.44 ¹	447.15	304.04 16.39 ²	112.87 ²	0.02 8.36 ²	11,478.91
(P) = Provisional * = Includes 15-15-15-9 ** = Includes 20-20-0 1 = Includes 24-24-0-8 # = Other than DAP/MAP.													
Source : 1. Ministry of Agriculture & Farmers Welfare, Government of India. 2. State Departments of Agriculture.													

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 6: State Wise Total Consumption of Fertilizer Products (Urea, MOP & DAP)
2021-22

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS														
Total 2021-22														
('000 tonnes)														
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	8-21-21	9-24-24	28-28-0	14-35-14
EAST	4,698.78	137.59	-	-	757.98	-	3.61	495.53	-	1,211.12	-	-	112.89	77.95
Assam	359.56	-	-	-	113.54	-	-	55.49	-	55.29	-	-	-	-
Bihar	2,153.40	73.92	-	-	128.49	-	-	137.62	-	551.95	-	-	-	0.92
Jharkhand	257.17	-	-	-	7.07	-	-	4.41	-	90.58	-	-	-	-
Odisha	553.10	6.73	-	-	26.87	-	-	106.61	-	237.06	-	-	72.74	1.96
West Bengal	1,330.18	56.94	-	-	449.03	-	-	188.97	-	270.27	-	-	40.15	75.07
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	19.51	-	-	-	7.04	-	-	0.03	-	2.66	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	2.69	-	-	-	-	-	-	-	-	0.04	-	-	-	-
Nagaland	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	22.68	-	-	-	25.92	-	3.61	2.40	-	3.27	-	-	-	-
NORTH	12,798.03	30.43	-	-	1,009.33	-	-	365.24	-	3,324.26	-	-	-	0.64
Haryana	2,075.44	2.39	-	-	205.26	-	-	64.16	-	495.65	-	-	-	-
Himachal Pradesh	74.33	-	-	-	3.69	-	-	6.15	-	0.52	-	-	-	-
Jammu and Kashmir	167.29	-	-	-	-	-	-	21.25	-	45.74	-	-	-	-
Punjab	3,133.63	4.45	-	-	206.69	-	-	77.06	-	627.30	-	-	-	-
Uttar Pradesh	7,112.05	23.59	-	-	579.32	-	-	191.41	-	2,119.86	-	-	-	0.64
Uttarakhand	208.92	-	-	-	14.40	-	-	4.95	-	31.48	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	26.38	-	-	-	-	-	-	0.26	-	3.71	-	-	-	-
SOUTH	6,145.85	348.22	30.52	-	433.46	-	32.48	902.92	-	1,484.74	1.31	0.84	313.55	199.20
Andhra Pradesh	1,482.52	131.15	-	-	204.61	-	-	177.51	-	360.22	0.13	-	164.74	137.11
Karnataka	1,781.09	101.23	-	-	76.88	-	-	251.63	-	570.57	1.18	0.84	17.49	11.72
Kerala	114.82	1.95	-	-	4.78	-	32.48	80.79	-	14.02	-	-	-	-
Tamil Nadu	1,040.28	70.39	30.52	-	81.78	-	-	252.77	-	239.39	-	-	14.21	0.02
Telangana	1,711.97	42.50	-	-	64.77	-	-	138.63	-	298.34	-	-	116.94	50.35
Puducherry	14.89	1.00	-	-	0.640	-	-	1.57	-	1.330	-	-	0.17	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A and N Islands	0.28	-	-	-	-	-	-	0.01	-	0.87	-	-	-	-
WEST	10,537.45	287.02	-	-	3,480.63	-	-	692.78	-	3,251.86	15.08	7.52	20.71	52.41
Gujarat	2,190.42	180.38	-	-	189.78	-	-	108.78	-	499.83	0.24	0.12	-	-
Madhya Pradesh	2,918.37	11.78	-	-	1,234.26	-	-	118.08	-	1,203.25	0.25	0.03	0.68	19.20
Chhattisgarh	800.39	17.49	-	-	245.59	-	-	98.97	-	353.07	-	-	14.89	0.08
Maharashtra	2,366.85	71.24	-	-	1,161.38	-	-	337.98	-	585.72	14.59	7.37	5.03	33.13
Rajasthan	2,258.77	6.12	-	-	649.60	-	-	28.50	-	609.61	-	-	-	-
Goa	2.16	-	-	-	0.01	-	-	0.48	-	0.13	-	-	0.11	-
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D and N Haveli	0.50	0.01	-	-	-	-	-	-	-	0.25	-	-	-	-
All India	34,180.12	803.21	30.52	-	5,681.39	-	36.09	2,456.46	-	9,271.99	16.39	8.36	447.15	330.21
(Continued)														

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 7: State Wise Total Consumption of Fertilizer Products (NP/NPKs) 2021-22

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS													
Total 2021-22 (Concluded)													
('000 tonnes)													
Zone/State	16-20-0-13	20-20-0-13	20-20-0	24-24-0*	10-26-26	12-32-16	16-16-16	17-17-17	19-19-19	15-15-15	15-15-15-09	14-28-0	Total NP/NPKs#
EAST	28.20	491.65	0.52	-	653.23	74.40	53.87	0.70	-	64.78	21.81	77.81	1,657.81
Assam	0.19	7.90	-	-	5.15	-	1.74	-	-	-	-	5.04	20.02
Bihar	9.93	203.37	-	-	16.17	70.04	1.65	-	-	12.50	-	27.63	342.20
Jharkhand	1.20	26.13	-	-	13.40	3.32	-	-	-	-	-	1.42	45.47
Odisha	1.08	156.60	-	-	4.89	-	9.18	-	-	-	-	0.10	246.55
West Bengal	15.80	97.22	0.52	-	611.71	1.04	41.30	0.70	-	52.28	21.81	42.54	1,000.15
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	0.47	-	-	-	-	-	-	0.64	1.11
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	-	-	-	-	-	-	-	-	-
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	0.43	-	-	1.44	-	-	-	-	-	-	0.44	2.31
NORTH	0.11	207.91	12.47	0.35	17.19	554.63	1.86	-	-	34.73	15.51	5.50	850.90
Haryana	-	12.39	0.41	0.11	0.07	38.78	-	-	-	2.52	1.42	-	55.69
Himachal Pradesh	-	-	-	-	-	21.85	-	-	-	9.05	-	-	30.90
Jammu and Kashmir	-	-	-	-	-	1.83	-	-	-	-	-	-	1.83
Punjab	-	38.54	1.43	0.11	0.13	78.35	-	-	-	3.16	4.56	-	126.27
Uttar Pradesh	0.11	156.42	10.63	0.13	17.00	390.31	1.86	-	-	20.00	9.32	5.50	611.92
Uttarakhand	-	0.57	-	-	-	23.46	-	-	-	-	0.21	-	24.24
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	0.05	-	-	-	-	-	-	0.05
SOUTH	278.09	3,153.18	0.42	58.48	670.62	77.58	139.00	33.70	32.22	231.05	54.16	5.47	5,248.87
Andhra Pradesh	37.12	713.45	0.12	14.25	185.22	10.94	13.69	1.61	0.84	19.50	19.84	0.75	1,319.31
Karnataka	155.15	830.98	-	31.36	385.01	44.40	41.48	8.93	31.36	181.43	25.22	3.95	1,770.50
Kerala	-	84.18	-	-	12.48	-	20.41	2.96	-	4.35	-	-	124.38
Tamil Nadu	45.80	547.92	-	2.36	57.69	0.34	45.48	19.43	-	10.06	3.47	0.26	747.04
Telangana	39.45	971.83	0.30	10.51	30.15	21.90	17.72	0.55	0.02	15.71	5.55	0.51	1,281.49
Puducherry	0.57	4.82	-	-	0.07	-	0.22	0.22	-	-	0.08	-	6.15
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-
A and N Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST	6.21	1,057.88	145.72	190.61	864.06	770.18	109.33	0.01	43.40	373.00	41.08	24.09	3,721.28
Gujarat	-	159.52	102.88	14.42	23.95	184.78	2.16	-	-	0.76	2.20	0.61	491.64
Madhya Pradesh	-	94.45	12.50	3.39	28.74	314.57	5.40	-	-	0.04	3.00	2.18	484.44
Chhattisgarh	-	50.43	0.34	1.18	0.15	57.14	0.28	-	-	-	-	-	124.48
Maharashtra	6.21	734.59	17.49	171.51	809.59	144.99	101.49	0.01	41.98	361.57	33.16	21.30	2,504.01
Rajasthan	-	18.89	12.51	0.11	0.46	68.70	-	-	-	10.17	2.72	-	113.56
Goa	-	-	-	-	1.16	-	-	-	1.42	0.46	-	-	3.15
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-	-
D and N Haveli	-	-	-	-	-	-	-	-	-	-	-	-	-
All India	312.59	4,910.63	159.12	249.44	2,205.10	1,476.77	304.04	34.41	75.63	703.56	132.57	112.87	11,478.91
# = Other than DAP/MAP. * = Includes 24-24-0-8.													

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 8: All India Consumption of N & P₂O₅ in Relation to K₂O and N Relation to P₂O₅- 1951-52 to 2021-22

6.05 ALL INDIA CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N RELATION TO P ₂ O ₅ . 1951-52 to 2021-22					
Year	N:P ₂ O ₅ :K ₂ O			N:P ₂ O ₅	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅
1951-52	7.9	0.9	1	8.5	1
1954-55	8.5	1.4	1	6.3	1
1955-56	10.0	1.3	1	8.3	1
1956-57	8.3	1.1	1	7.7	1
1957-58	16.6	1.7	1	6.8	1
1958-59	7.7	1.3	1	5.8	1
1959-60	10.8	2.5	1	4.3	1
1960-61	7.3	1.8	1	4.0	1
1961-62	8.9	2.2	1	4.1	1
1962-63	9.1	2.3	1	4.0	1
1963-64	7.4	2.3	1	3.2	1
1964-65	8.0	2.1	1	3.7	1
1965-66	7.4	1.7	1	4.3	1
1966-67	6.5	2.2	1	3.0	1
1967-68	5.5	2.0	1	3.1	1
1968-69	7.1	2.2	1	3.2	1
1969-70	6.5	2.0	1	3.3	1
1970-71	6.3	2.3	1	2.7	1
1971-72	6.0	1.9	1	3.2	1
1972-73	5.3	1.7	1	3.2	1
1973-74	5.1	1.8	1	2.8	1
1974-75	5.3	1.4	1	3.7	1
1975-76	7.7	1.7	1	4.6	1
1976-77	7.7	2.0	1	3.9	1
1977-78	5.8	1.7	1	3.4	1
1978-79	5.8	1.9	1	3.1	1
1979-80	5.8	1.9	1	3.0	1
1980-81	5.9	1.9	1	3.0	1
1981-82	6.0	1.9	1	3.1	1
1982-83 (Feb./Jan.)	5.8	2.0	1	2.9	1
1982-83 (April/March)	5.8	2.0	1	3.0	1
1983-84	6.7	2.2	1	2.9	1
1984-85	6.5	2.2	1	2.9	1
1985-86	7.0	2.5	1	2.8	1
1986-87	6.7	2.5	1	2.7	1
1987-88	6.5	2.5	1	2.6	1
1988-89	6.8	2.5	1	2.7	1
1989-90	6.3	2.6	1	2.5	1
1990-91	6.0	2.4	1	2.5	1
1991-92	5.9	2.4	1	2.4	1
1992-93	9.5	3.2	1	3.0	1
1993-94	9.7	2.9	1	3.3	1
1994-95	8.5	2.6	1	3.2	1
1995-96	8.5	2.5	1	3.4	1
1996-97	10.0	2.9	1	3.5	1
1997-98	7.9	2.9	1	2.8	1
1998-99	8.5	3.1	1	2.8	1
1999-2000	6.9	2.9	1	2.4	1
2000-01	7.0	2.7	1	2.6	1
2001-02	6.8	2.6	1	2.6	1
2002-03	6.5	2.5	1	2.6	1
2003-04	6.9	2.6	1	2.7	1
2004-05	5.7	2.2	1	2.5	1
2005-06	5.3	2.2	1	2.4	1
2006-07	5.9	2.4	1	2.5	1
2007-08	5.5	2.1	1	2.6	1
2008-09	4.6	2.0	1	2.3	1
2009-10	4.3	2.0	1	2.1	1
2010-11	4.7	2.3	1	2.1	1
2011-12	6.7	3.1	1	2.2	1
2012-13	8.2	3.2	1	2.5	1
2013-14	8.0	2.7	1	3.0	1
2014-15	6.7	2.4	1	2.8	1
2015-16	7.2	2.9	1	2.5	1
2016-17	6.7	2.7	1	2.5	1
2017-18	6.1	2.5	1	2.5	1
2018-19	6.6	2.6	1	2.6	1
2019-20	7.3	2.9	1	2.5	1
2020-21	6.5	2.8	1	2.3	1
2021-22 (P)	7.7	3.1	1	2.5	1

(P) = Provisional.

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 9: State-Wise Consumption Ratio of N & P₂O₅ In Relation to K₂O and N in Relation to P₂O₅, 2020-21 and 2021-22

6.06(a) STATE-WISE CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N IN RELATION TO P ₂ O ₅ 2020-21 and 2021-22										
Zone/State	N:P ₂ O ₅ :K ₂ O						N:P ₂ O ₅			
	2020-21			2021-22 (P)			2020-21		2021-22 (P)	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	N	P ₂ O ₅
EAST	3.8	1.7	1	5.2	2.1	1	2.2	1	2.5	1
Arunachal Pradesh	--	--	-	--	--	-	--	-	--	-
Assam	3.6	1.1	1	5.1	1.4	1	3.2	1	3.7	1
Bihar	7.7	2.7	1	11.6	3.5	1	2.8	1	3.3	1
Jharkhand	25.2	10.2	1	21.3	8.0	1	2.5	1	2.7	1
Manipur	6.7	1.6	1	68.5	18.9	1	4.2	1	3.6	1
Meghalaya	--	--	-	--	--	-	--	-	--	-
Mizoram	--	--	-	--	--	-	7.6	1	62.0	1
Nagaland	--	--	-	--	--	-	7.5	1	--	-
Odisha	4.1	2.1	1	5.3	2.5	1	1.9	1	2.1	1
Tripura	2.8	2.4	1	6.2	3.4	1	1.2	1	1.8	1
West Bengal	1.9	1.2	1	2.6	1.5	1	1.5	1	1.8	1
NORTH	18.0	5.8	1	20.6	6.0	1	3.1	1	3.4	1
Haryana	28.2	8.1	1	23.2	6.1	1	3.5	1	3.8	1
Himachal Pradesh	3.7	1.1	1	4.5	1.1	1	3.4	1	4.2	1
Jammu & Kashmir	4.0	1.3	1	6.5	1.7	1	3.0	1	3.9	1
Punjab	27.0	6.9	1	26.2	5.9	1	3.9	1	4.4	1
Uttar Pradesh	16.6	6.0	1	20.1	6.6	1	2.8	1	3.0	1
Uttarakhand	14.4	3.5	1	15.5	3.6	1	4.2	1	4.3	1
Delhi	35.7	5.7	1	80.1	10.8	1	6.3	1	7.4	1
SOUTH	3.9	1.9	1	4.9	2.3	1	2.0	1	2.2	1
Andhra Pradesh	4.3	2.3	1	5.5	2.8	1	1.8	1	2.0	1
Telangana	6.8	2.7	1	10.3	3.9	1	2.5	1	2.6	1
Karnataka	3.3	1.9	1	4.1	2.1	1	1.7	1	1.9	1
Kerala	1.2	0.5	1	1.4	0.6	1	2.3	1	2.5	1
Tamil Nadu	3.1	1.3	1	3.8	1.5	1	2.4	1	2.5	1
Puducherry	5.5	1.4	1	8.2	1.9	1	3.9	1	4.4	1
A & N Islands	--	--	-	--	--	-	--	-	0.7	1
WEST	6.8	3.5	1	7.0	3.4	1	1.9	1	2.1	1
Gujarat	9.9	3.4	1	11.9	3.8	1	2.9	1	3.2	1
Madhya Pradesh	12.4	7.3	1	12.3	6.7	1	1.7	1	1.8	1
Chhattisgarh	7.0	3.6	1	6.6	3.4	1	1.9	1	1.9	1
Maharashtra	2.9	1.9	1	3.0	1.9	1	1.5	1	1.6	1
Rajasthan	50.4	20.7	1	38.7	13.8	1	2.4	1	2.8	1
Goa	1.9	1.0	1	1.6	0.8	1	1.9	1	2.1	1
Daman & Diu	--	--	-	--	--	-	--	-	--	-
D & N Haveli	--	--	-	--	--	-	1.5	1	2.2	1
All India	6.5	2.8	1	7.7	3.1	1	2.3	1	2.5	1
(P) = Provisional.										

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 10: State-wise Consumption of Plant Nutrients Per Unit of Gross Cropped Area 2020-21 and 2021-22 (Provisional)

6.08 STATE-WISE CONSUMPTION OF PLANT NUTRIENTS PER UNIT OF GROSS CROPPED AREA 2020-21 and 2021-22 (Provisional)								
Zone/State	2020-21				2021-22			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
(kg/ha)								
EAST	91.7	42.2	24.1	158.1	87.6	35.7	16.9	140.2
Arunachal Pradesh	-	-	-	-	-	-	-	-
Assam	44.2	13.8	12.4	70.3	44.9	12.1	8.8	65.8
Bihar	176.1	62.8	23.0	261.9	158.9	48.5	13.7	221.1
Jharkhand	81.9	33.1	3.3	118.3	80.7	30.2	3.8	114.7
Manipur	24.3	5.8	3.6	33.7	21.7	6.0	0.3	28.0
Meghalaya	-	-	-	-	-	-	-	-
Mizoram	5.3	0.7	-	6.0	6.6	0.1	-	6.7
Nagaland	0.6	0.1	-	0.6	0.5	-	-	0.5
Odisha	74.4	38.3	18.2	130.9	75.3	36.1	14.3	125.8
Tripura	14.9	12.7	5.3	33.0	23.2	12.8	3.7	39.8
West Bengal	79.3	51.3	41.4	172.0	78.9	44.1	29.8	152.8
NORTH	154.3	49.7	8.6	212.7	149.0	43.4	7.2	199.6
Haryana	167.3	48.1	5.9	221.3	159.0	41.8	6.8	207.6
Himachal Pradesh	42.3	12.6	11.5	66.4	42.9	10.3	9.6	62.8
Jammu & Kashmir	104.7	34.5	26.5	165.6	78.4	19.8	12.0	110.2
Punjab	190.8	48.8	7.1	246.7	200.8	45.4	7.7	253.9
Uttar Pradesh	147.6	53.1	8.9	209.6	139.5	46.1	6.9	192.5
Uttarakhand	117.8	28.3	8.2	154.3	102.3	23.9	6.6	132.7
Delhi	181.9	28.9	5.1	215.8	217.5	29.2	2.7	249.4
SOUTH	119.2	58.9	30.4	208.5	115.9	53.2	23.5	192.6
Andhra Pradesh	156.4	84.9	36.7	278.0	138.5	69.5	25.3	233.2
Telangana	202.6	82.2	30.0	314.8	191.3	73.4	18.6	283.4
Karnataka	85.3	49.8	25.7	160.7	89.5	47.0	22.1	158.5
Kerala	34.0	14.7	29.0	77.8	30.3	12.3	21.7	64.2
Tamil Nadu	108.5	45.3	34.8	188.6	113.8	46.2	30.2	190.1
Puducherry	311.3	79.0	57.0	447.2	311.6	71.3	38.2	421.1
A & N Islands	3.2	-	-	3.2	6.9	9.8	-	16.7
WEST	69.2	35.9	10.2	115.3	64.0	31.0	9.1	104.2
Gujarat	97.7	34.1	9.9	141.7	88.0	27.7	7.4	123.0
Madhya Pradesh	61.3	36.1	5.0	102.3	57.6	31.5	4.7	93.8
Chhattisgarh	91.6	47.4	13.0	152.0	79.3	40.9	12.0	132.2
Maharashtra	88.8	58.9	30.6	178.4	83.3	52.9	27.7	163.8
Rajasthan	45.2	18.5	0.9	64.6	42.4	15.1	1.1	58.6
Goa	12.1	6.3	6.6	25.0	10.3	5.0	6.3	21.6
Daman & Diu	-	-	-	-	-	-	-	-
D & N Haveli	26.1	17.6	-	43.7	14.6	6.5	-	21.1
All India	99.6	43.8	15.4	158.9	94.9	38.2	12.4	145.5
Note: Consumption of plant nutrients per hectare have been worked out on the basis of gross cropped area available for the year 2019-20.								

Source: The Fertiliser Association of India. (2022). Fertiliser Statistics 2021-22, 67th Edition. New Delhi.

ANNEXURE 11: Illustration of Calculation of NBS Subsidy.

Illustration of calculation of NBS subsidy (₹ per MT) for different P&K fertilizers

Ratio of Nutrient (N:P:K:S)	Quantity of nutrient in one tonne (1000 kg)	Subsidy per tonne (in ₹)	Total subsidy per tonne (in ₹)
(1)	(2)	(3) (Col. 2 × NBS rate per KG as notified by DoF ¹ for respective nutrient)	(4)
Case A: Di-Ammonium Phosphate (DAP)			
18:46:0:0	180 kg (N)	180 × 27.153 (N)= 4887.54	19763
	460 kg (P)	460 × 32.338 (P)= 14875.48	
Case B: Mono-Ammonium Phosphate (MAP)			
11:52:0:0	110 kg (N)	110 × 27.153 (N)=2986.83	19803
	520 kg (P)	520 × 32.338 (P)=16815.76	
Case C: Triple Super Phosphate (TSP)			
0:46:0:0	460 kg (P)	460 × 32.338 = 14875.48	14875

Source: Comptroller and Auditor General of India, (2015).

7.1 NOTIFICATION ON IMPLEMENTATION OF THE NUTRIENT BASED SUBSIDY (NBS) POLICY FOR PHOSPHATIC AND POTASSIC (P&K) FERTILIZERS.

**File No. 23011/1/2010-MPR
Government of India
Ministry of Chemicals & Fertilizers
Department of Fertilizers**

**Shastri Bhawan, New Delhi
The 4th March 2010**

To

- 1. The Chief Secretaries/ All Agriculture Production Commissioners/ Secretaries (Agriculture)**
- 2. The Directors, Directorate of Agriculture of the State Governments/ UTs.**

Subject: Implementation of the Nutrient Based Subsidy (NBS) policy for Phosphatic and Potassic (P&K) Fertilizers w.e.f. 1.4.2010.

Madam/Sir,

I am directed to say that the Government has introduced the first phase of the Nutrient Based Subsidy (NBS) Policy w.e.f. 1.4.2010 as under:

- (i) The NBS will be applicable for Di Ammonium Phosphate (DAP, 18-46-0), Muriate of Potash (MOP), Mono Ammonium Phosphate (MAP, 11-52-0), Triple Super Phosphate (TSP, 0-46-0), 12 grades of complex fertilizers and Ammonium Sulphate (AS - (Caprolactum grade by GSFC and FACT), which are already covered under the outgoing Concession Scheme for Phosphatic and Potassic (P&K) fertilizers and Single Super Phosphate (SSP). Primary nutrients, namely Nitrogen 'N', Phosphate 'P' and Potash 'K' and nutrient Sulphur 'S' contained in the fertilizers mentioned above will be eligible for NBS.
- (ii) Any variant of the fertilizers mentioned above with secondary and micronutrients (except Sulphur 'S'), as provided for under FCO, will also be eligible for subsidy. The secondary and micro-nutrients (except 'S') in such fertilizers will attract a separate per tonne subsidy to encourage their application along with primary nutrients.

Chhabra

- (iii) The NBS to be paid on each nutrient namely, 'N', 'P', 'K' and 'S' will be decided annually by the Government. The nutrient based subsidy, so decided by the Government, will be converted into subsidy per tonne for each subsidized fertilizer
- (iv) An Inter-Ministerial Committee (IMC) will be constituted with Secretary (Fertilizers) as Chairperson and Joint Secretary level representatives of Department of Agriculture & Cooperation (DAC), Department of Expenditure (DOE), Planning Commission and Department of Agricultural Research and Education (DARE). This Committee will recommend per nutrient subsidy for 'N', 'P', 'K' and 'S' before the start of the financial year for decision by the Government (Department of Fertilizers). The IMC will recommend a per tonne additional subsidy on fortified subsidized fertilizers carrying secondary (other than 'S') and micro- nutrients. The Committee will also recommend inclusion of new fertilizers under the subsidy regime based on application of manufacturers/ importers and its need appraisal by the Indian Council for Agricultural Research (ICAR), for decision by the Government.
- (v) The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based "Fertilizer Monitoring System (FMS)" as being done under the outgoing Concession Scheme for P&K fertilizers.
- (vi) 20% of the price decontrolled fertilizers produced/imported in India will now be in the movement control under the Essential Commodities Act 1955 (ECA). Department of Fertilizers will regulate the movement of these fertilizers to bridge the supplies in underserved areas.
- (vii) Freight subsidy on the decontrolled fertilizers will be restricted to the rail freight.
- (viii) The import of all the subsidized fertilizers, as at paragraph 1 (i) above, including 12 grades of complex fertilizers is placed under Open General License (OGL). However, subsidy will not be applicable on imported Ammonium Sulphate (AS) during the first phase. Import of Urea will remain canalized during the first phase.
- (ix) Though the market price of subsidized fertilizers, except Urea, will be determined based on demand-supply balance, the



fertilizer companies will be required to print Retail Price (RP) along with applicable subsidy on the fertilizer bags clearly. Any sale above the printed net RP will be punishable under the EC Act.

- (x) Manufacturers of customized fertilizers and mixture fertilizers will be eligible to source subsidized fertilizers from the manufacturers/ importers after their receipt in the districts as inputs for manufacturing customized fertilizers and mixture fertilizers for agricultural purpose. There would be no separate subsidy on sale of customized fertilizers and mixture fertilizers.
- (xi) A separate additional subsidy will be provided to the indigenous manufacturers producing complex fertilizers using Naphtha based captive Ammonia to compensate for the higher cost of production of 'N'. However, this will be for a maximum period of two years during which the units will have to convert to gas or use imported Ammonia. The quantum of additional subsidy will be finalized by Department of Fertilizers in consultation with DOE, based on study and recommendations by the Tariff Commission.
- (xii) The NBS would be released through the industry during the first phase. The payment of NBS to the manufacturers/importers of DAP/MOP/Complex Fertilizers/ MAP/TSP and AS shall be released as per the procedure followed vide notification No. 19011/59/2003-MPR (Pt.) dated 12.3.2009 of the Department. Payment of NBS to the manufacturers/marketers of SSP shall be released as per the procedure mentioned in notification No. 22011/4/2007-MPR dated 13.8.2009 of the Department.

2. This issues with the concurrence of the Internal Finance Division of Department of Fertilizers dated 3 March 2010.



(H. Abbas)

Deputy Secretary to the Government of India
Tel: 2338 3814

Copy to:

1. Secretary (Agriculture), Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
2. Secretary (Expenditure), Department of Expenditure, North Block, New Delhi.

3. Joint Secretary (INM), Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
4. Joint Secretary (PF-II), Department of Expenditure, North Block, New Delhi.
5. Director (Cabinet), Cabinet Secretariat, Rashtrapati Bhawan, New Delhi
6. Executive Director, FICC, Department of Fertilizers, New Delhi
7. Director of Accounts, Department of Fertilizers, Udyog Bhawan, New Delhi
8. Director (Finance), Department of Fertilizers, New Delhi
9. Director General, FAI, New Delhi
10. All the manufacturers & importers of P&K Fertilizers
11. All SSP manufacturers

Copy also to:

PS to Minister (C&F)/PS to MOS(C&F)/Sr. PPS to Secretary (Fertilizers)/ AS & FA/ JS(P&P)/ JS(F&P)/ JS(A&M)/ Economic Advisor/ Controller of Accounts/ P&AO/ US(Concession Wing)/ Sr. AD (Accounts) FA Wing/ AD (OL for translation in Hindi)/ Guard File/ Technical Director, NIC for uploading the same on the Department's website.

Copy also to: Shri Sanjay Mitra, Joint Secretary, Prime Minister's Office, South Block, New Delhi.



(H. Abbas)

Deputy Secretary to the Government of India

7.2 NOTIFICATION ON IMPLEMENTATION OF THE NUTRIENT BASED SUBSIDY (NBS) POLICY FOR SINGLE SUPER PHOSPHATE (SSP) FERTILIZERS.

File No. 23011/1/2010-MPR
Government of India
Ministry of Chemicals & Fertilizers
Department of Fertilizers

Shastri Bhawan, New Delhi
The 21st April 2010

To

1. The Chief Secretaries/ All Agriculture Production Commissioners/ Secretaries (Agriculture) of the State Governments/ UTs
2. The Directors, Directorate of Agriculture of the State Governments/ UTs.

Subject: Implementation of the Nutrient Based Subsidy (NBS) policy for Single Super Phosphate (SSP) fertilizer w.e.f 1st May 2010.

Madam/Sir,

With reference to the subject mentioned above, I am directed to say that the following policy has been announced by the Government applicable in case of production and sale of Single Super Phosphate (SSP) fertilizer under NBS.

2). The per Kg NBS for nutrient 'P' and 'S' for 2010-2011 w.e.f 1st May 2010 for SSP would be as follows:

Sl No.	Nutrients	NBS per Kg of nutrient (Rs.)
1.	"P"	26.276
2.	"S"	1.784

Accordingly, Per MT NBS for Powdered SSP and Granulated SSP meeting quality specifications as per the FCO for 2010-2011 w.e.f 1st May 2010 would be Rs. 4400 per MT, which would be inclusive of cost of freight. Additional per MT subsidy for fortified SSP with Boron will be Rs. 300.

3). The production, distribution and movement of SSP will be monitored through the online web based Fertilizer Monitoring System (FMS). The SSP manufacturers / marketers would be required to furnish month-wise supply plan well in advance and not later than by 15th of the preceding month on line to the Department.



- 4). 20% of SSP produced will now be in the movement control under the Essential Commodities Act 1955 (ECA). Department of Fertilizers will regulate the movement of SSP fertilizer to bridge the supplies in under-served areas.
- 5). The SSP producers/marketers will be required to print Maximum Retail Price (MRP) along with applicable NBS on the fertilizer bags clearly under FCO. Any sale above the printed net MRP will be punishable under the EC Act.
- 6). Payment of NBS to the manufacturers/marketers of SSP shall be released as per the procedure mentioned in notification No. 22011/4/2007-MPR dated 13.08.2009 of the Department and subject to monitoring through the FMS. Producers along with marketers, as applicable, are required to certify quality of SSP as per the FCO for availing NBS. 'On Account' Payment of 85% for sales w.e.f 1st May 2010 will be made on the basis of the claim submitted by the eligible manufactures/marketers of SSP in Proforma 'A' & 'C' certified by their statutory auditor on sale of Powdered, Granulated and Boronated SSP after receipt in the district of the State/UT. The 'On Account' payment is contingent on the manufacturers / marketers certifying that 'Quality Certified' stamp (quality as per FCO) has been put on each bag of SSP released in the market and also certification of quality of SSP as per the FCO at the point of production by the State/UT in which the production unit is located. The balance payment will be made after certification of sales of SSP is received from the State/UT Government concerned (State/UT in which sales has taken place) certifying quantity of SSP sold w.e.f 1st May 2010 as well as its quality as per FCO as per Proforma 'B'. The State/UT Governments are also required to mention that the bags of SSP sold in the State/UT contained the stamp 'Quality Certified'.
- 7). The responsibility of regulation and maintaining quality of SSP produced and sold in the States/UTs as per the specifications of the FCO is of the State/UT Governments. The State/UT in which the SSP units are located is required to inspect and certify the quantity of SSP produced and its quality at the point of production in the concerned States/UTs for enabling the manufacturers/marketers of SSP to claim 'On Account' payment. Such certificate would be submitted every month by the concerned State /UT Government. The manufacturers/ marketers are also required to certify to the Department that bags of SSP have been released in the market with stamp 'Quality Certified'. The State/UT Government concerned, in which sale of SSP has taken place, is required to certify quantity of sales of SSP as well as its quality as per FCO for final settlement of the claim for subsidy.
- 8). NBS for SSP w.e.f 1st May 2010 will be provided to those eligible SSP units only, which have either annual capacity utilization of at least 50% or



annual production of 40,000 MT of SSP. For the purpose of recognizing capacity utilization / production, capacity as on 31st March 2010 will be taken into account. Capacity utilization/ production for 2009-10 (1st April 2009-31st March 2010) will be taken into account for the capacity utilization/ production benchmark as above for NBS for sales of SSP w.e.f. 1st May 2010. The SSP units are required to inform the Department their installed capacity as on 31st March 2010 and production for 2009-10 certified by the statutory auditor with a copy to the PDIL/inspection agency. PDIL/inspection agency will also be required to submit a separate report on the installed capacity and production of the units as above. Any new SSP unit installed on or after 1st May 2010 would be considered eligible for NBS only if it has installed capacity of one lakh MT per annum and above.

9). PDIL/an accredited inspection agency of national/international repute would be employed for inspection of SSP quality and its retail prices at the production site as well as at the wholesale/retail points. In case of any deviation / violation of quality parameters and maximum retail prices, the SSP producer and/ or marketer concerned would be excluded from the NBS. In addition, the State/UT Governments concerned are requested to recommend to the DoF exclusion of any SSP producer/ marketer from the NBS in case they find deviation/ violation of quality parameters under FCO, conditions mentioned herein and conditions of the Memorandum of Understanding (MOU) entered into by the SSP manufacture/marketer with the Department. The DoF would take appropriate action on their recommendations. The State/UT Governments may also take appropriate action under FCO for any such deviation. Further, in case SSP is sold at higher than the agreed MRP as per the MOU, apart from exclusion from the NBS, recovery of differential between the agreed MRP and the MRP at which manufacturer/marketer sold SSP for the entire quantity would be made by the Department.

10). NBS policy for SSP is optional and available to only those manufacturers/marketers of SSP who will adhere to quality standards and maintain the Maximum Retail Price (MRP) printed in the bag. The SSP producers/ manufacturers who wish to opt for the NBS policy for SSP would be required to enter into an MOU as per the enclosed Proforma with the Department to avail NBS.

11). This issues with the concurrence of the Internal Finance Division of Department of Fertilizers vide their Dy. No 589/AS&FA/10 dated 20th April 2010.


(H. Abbas)

Deputy Secretary to the Government of India
Tel: 2338 3814

Copy to:

1. Secretary (Agriculture), Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
2. Secretary (Expenditure), Department of Expenditure, North Block, New Delhi.
3. Joint Secretary (INM), Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
4. Joint Secretary (PF-II), Department of Expenditure, North Block, New Delhi.
5. Director (Cabinet), Cabinet Secretariat, Rashtrapati Bhawan, New Delhi
6. Executive Director, FICC, Department of Fertilizers, New Delhi
7. Director of Accounts, Department of Fertilizers, Udyog Bhawan, New Delhi
8. Director (Finance), Department of Fertilizers, New Delhi
9. Director General, FAI, New Delhi
10. All the manufacturers & importers of P&K Fertilizers
11. All SSP manufacturers

Copy also to:

PS to Minister (C&F)/PS to MOS(C&F)/Sr. PPS to Secretary (Fertilizers)/ AS & FA/ JS(P&P)/ JS(F&P)/ JS(A&M)/ Economic Advisor/ Controller of Accounts/ P&AO/ US(Concession Wing)/ Sr. AD (Accounts) FA Wing/ AD (OL for translation in Hindi)/ Guard File/ Technical Director, NIC for uploading the same on the Department's website.

Copy also to: Shri Sanjay Mitra, Joint Secretary, Prime Minister's Office, South Block, New Delhi.


(H. Abbas)

Deputy Secretary to the Government of India

No. 23011/1/2021-P&K
Government of India
Department of Fertilizers

Shastri Bhawan, New Delhi.

Dated: 20th May, 2021.

OFFICE MEMORANDUM

Subject: Revision in the NBS Rates for 2021-22 till present Kharif season (31.10.2021) and inclusion of two complex fertilizers NPK (8-21-21) and NPK (9-24-24) under the NBS Scheme.

The undersigned is directed to convey that per Kg subsidy on nutrients, namely Nitrogen (N), Phosphate (P), Potash (K) and Sulphur (S) contained in P&K fertilizers covered under the NBS Policy for the year 2021-22, applicable from the date of this notification till 31.10.2021, shall be as under:

S. No	Nutrients	NBS (Rs. per Kg of Nutrient)
1	N	18.789
2	P	45.323
3	K	10.116
4	S	2.374

2. It is also to state that two complex fertilizers NPK (8-21-21) and NPK (9-24-24) have been included under the NBS Scheme.

3. Product-wise subsidy on various grades of P&K fertilizers covered under FCO and NBS Policy for 2021-22, applicable from the date of this notification till 31.10.2021, shall be as under: -

S. No.	Name of Fertilizers	NBS Rates (in Rs./ MT)
1	DAP 18-46-0-0	24231
2	MOP 0-0-60-0	6070
3	SSP 0-16-0-11	7513
4	NPS 20-20-0-13	13131
5	NPK 10-26-26-0	16293
6	NP 20-20-0-0	12822
7	NPK 15-15-15	11134
8	NP 24-24-0-0	15387
9	AS 20.5-0-0-23	4398
10	NP 28-28-0-0	17951
11	NPK 17-17-17	12619
12	NPK 19-19-19	14103
13	NPK 16-16-16-0	11876
14	NPS 16-20-0-13	12379
15	NPK 14-35-14	19910


20/05/2021

S. No.	Name of Fertilizers	NBS Rates (in Rs./ MT)
16	NPS 24:24-0-8*	15387
17	MAP 11-52-0-0	25635
18	TSP 0-46-0-0	20849
19	NPK 12-32-16	18377
20	NPK 14-28-14	16737
21	NPKS 15-15-15-09	11348
22	NP 14-28-0-0	15321
23	NPK 8-21-21	13145
24	NPK 9-24-24	14996

* Subsidy on Sulphur not included

4. The NBS rates of 2020-21 will be applicable for the year 2021-22 also w.e.f. 01.04.2021 upto the date of this notification.

5. Any variant of the subsidised P&K fertilizers covered under NBS Policy and are fortified/ coated with Boron and Zinc, as provided for under FCO, will continue to be eligible for subsidy. Such fortified/ coated grades of fertilizers will attract an additional per tonne subsidy to encourage their application along with primary nutrients as per the rates mentioned below:

S.No	Nutrients for fortification as per FCO	Additional subsidy (Rs/MT) for fortified/ coated fertilizers
1	Boron (B)	300
2	Zinc (Zn)	500

6. In order to examine the reasonableness of MRPs of P&K fertilizers, the companies shall submit the certified cost data as per the reasonableness guidelines dated 15.11.2019. The companies shall also report MRPs of P&K fertilizers regularly to DOF. The profit earned above the reasonable profit shall be treated as unreasonable and shall be recovered from the subsidy bills of the defaulting companies.

7. Any P&K fertiliser shall not be sold at the higher MRP (as per the old subsidy rates) from the date of this notification. If any instance of selling the P&K fertiliser at the higher MRP comes into knowledge of the DoF, strict action will be taken against the defaulting company. It shall be the duty of the companies to ensure that henceforth their retailers sell the P&K fertiliser at the MRP commensurate with this notified subsidy rates.

8. The fertilizer companies are required to print Maximum Retail Price (MRP) along with applicable subsidy on the fertilizer bags clearly. Any sale above the printed MRP will be punishable under the EC Act.

9. The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based "Integrated Fertilizer Monitoring System (iFMS)" (Erstwhile FMS and mFMS).

 20/05/2021

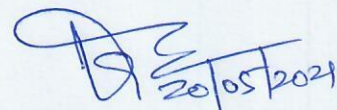
10. Manufacturers/ Marketers/ Importers of P&K fertilizers, including manufacturers of SSP, are required to ensure that fertilizers are transported up to the retail point on F.O.R. delivery basis.

11. There would be no separate subsidy on sale of customized fertilizers and mixture fertilizers.

12. The payment of subsidy to the manufacturers/ importers of P&K fertilizers shall be released as per the procedure and terms and conditions mentioned in the Department Notification No. D(FA)/ CCEA/2011 dated 25.10.2012 and D(FA)/2016/DBT dated 17.03.2017, as amended from time to time.

13. This issues with the approval of the Competent Authority.

14. Hindi version will follow.



(Vinay Kumar Pandey)

Director

Tel: 2338 9839

1. Secretary (Agriculture), DAC&FW, Krishi Bhawan, New Delhi.
2. Secretary (Expenditure), Department of Expenditure, North Block, New Delhi.
3. Secretary (NITI Aayog), Yojana Bhawan, New Delhi.
4. Secretary, Min. of Petroleum and Natural Gas, Shastri Bhawan, New Delhi
5. Joint Secretary (INM), DAC&FW, Krishi Bhawan, New Delhi.
6. Joint Secretary (PF-II), Department of Expenditure, North Block, New Delhi.
7. Joint Secretary, Prime Minister's Office, South Block, New Delhi.
8. Joint Secretary (Cabinet), Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.
9. Director, PMO, South Block, New Delhi
10. Executive Director, FICC, Department of Fertilizers, New Delhi.
11. Director (Fertilizer Subsidy), Department of Fertilizers, New Delhi.
12. Dir (Finance)/DS (Budget), Department of Fertilizers, New Delhi.
13. Director (Movement)/Director (Fert), Dept. of Fertilizers, New Delhi.
14. Director General, FAI, New Delhi.
15. All Urea Manufacturers and P&K Fertilizer Manufacturers & importers.

Copy to:

1. Chief Secretaries/ All Agriculture Production Commissioners/ Secretaries (Agriculture) of the State Governments/ UTs.
2. Commissioners/Directors, Commissionerate/Directorate of Agriculture of the State Governments/ UTs.

Copy also to:

PS to Minister (C&F)/PS to MOS (C&F)/Sr.PPS to Secretary (Fertilizers)/ AS & FA/ AS(DP) / JS(PS) / JS(GS) / Economic Advisor / Chief Controller of Accounts/ Director (A/c) / AD (OL) for translation in Hindi / Guard File/Technical Director, NIC for uploading the same on the Department's website.

No. 23011/1/2021-P&K
Government of India
Department of Fertilizers

Shastri Bhawan, New Delhi.
Dated 13th October, 2021.

OFFICE MEMORANDUM

Subject: Nutrient Based Subsidy (NBS) rates for Phosphatic and Potassic (P&K) fertilizers, onetime special package for DAP and 3 most consumed NPK grades for Rabi 2021-22 (from 1st October, 2021 upto 31st March, 2022) and inclusion of Potash Derived from Molasses (PDM) (0:0:14.5:0) under NBS Scheme.

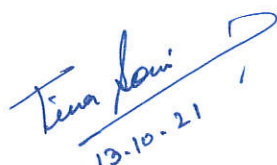
The undersigned is directed to refer to OM of even no. dated 20.5.2021 on the subject mentioned above and to convey that per Kg subsidy on nutrients, namely Nitrogen (N), Phosphate (P), Potash (K) and Sulphur (S) contained in P&K fertilizers covered under the NBS Policy for the year 2021-22, applicable w.e.f. 01.10.2021 to 31.03.2022, shall be as under:

S. No	Nutrients	NBS (Rs. per Kg of Nutrient)
1	N	18.789
2	P	45.323
3	K	10.116
4	S	2.374

2. It is also to state that Potash Derived from Molasses (PDM) (0:0:14.5:0) has been included under the NBS Scheme, as 25th grade of P&K Fertilizers.

3. Product-wise subsidy on various grades of P&K fertilizers covered under FCO and NBS Scheme for 2021-22, applicable from 01.10.2021 to 31.03.2022, shall be as under:-

S. No.	Name of Fertilizers	NBS Rates (in Rs./ MT)
1	DAP 18-46-0-0	24231
2	MOP 0-0-60-0	6070
3	SSP 0-16-0-11	7513
4	NPS 20-20-0-13	13131
5	NPK 10-26-26-0	16293
6	NP 20-20-0-0	12822
7	NPK 15-15-15	11134
8	NP 24-24-0-0	15387
9	AS 20.5-0-0-23	4398
10	NP 28-28-0-0	17951
11	NPK 17-17-17	12619


13.10.21

12	NPK 19-19-19	14103
13	NPK 16-16-16-0	11876
14	NPS 16-20-0-13	12379
15	NPK 14-35-14	19910
16	NPS 24:24-0-8*	15387
17	MAP 11-52-0-0	25635
18	TSP 0-46-0-0	20849
19	NPK 12-32-16	18377
20	NPK 14-28-14	16737
21	NPKS 15-15-15-09	11348
22	NP 14-28-0-0	15321
23	NPK 8-21-21	13145
24	NPK 9-24-24	14996
25	PDM (0:0:14.5:0)	1467

* Subsidy on Sulphur not included

4. Any variant of the subsidised P&K fertilizers covered under NBS Scheme and are fortified/ coated with Boron and Zinc, as provided for under FCO, will continue to be eligible for subsidy. Such fortified/ coated grades of fertilizers will attract an additional per MT subsidy to encourage their application along with primary nutrients as per the rates mentioned below:

S.No	Nutrients for fortification as per FCO	Additional subsidy for fortified/ coated fertilizers over and above the rates indicated in para 3 above (Rs/MT)
1	Boron (B)	300
2	Zinc (Zn)	500

5. Special onetime package with an additional subsidy for the following P&K fertilizers, applicable from 01.10.2021 to 31.03.2022, shall be as under: -

S. No.	Name of Fertilizers	Additional Subsidy over and above the rates indicated in para 3 above (in Rs/ MT)
1	DAP 18-46-0-0	8769
2	NPS 20-20-0-13	2000
3	NPK 10-26-26-0	2000
4	NPK 12-32-16	2000

6. In order to examine the reasonableness of MRPs of P&K fertilizers, the fertilizer companies will continue to submit the certified cost data as per the extant guidelines of reasonableness of MRP of P&K fertilizers. The fertilizer companies will also report MRP

Tina Sawi
13.10.21

of P&K fertilizers regularly to DOF. The profit earned above the reasonable profit will be treated as unreasonable and will be recovered from the subsidy bills of such companies.

7. The P&K fertilizer companies will ensure that the MRP of various grades of P&K fertilizers be maintained in accordance with the subsidy rates as notified and sell through their retailers accordingly.

8. The fertilizer companies are required to print Maximum Retail Price (MRP) along with applicable subsidy on the fertilizer bags clearly. Any sale above the printed MRP will be punishable under the EC Act.

9. The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based "Integrated Fertilizer Monitoring System (iFMS)".

10. Manufacturers/ Marketers/ Importers of P&K fertilizers, including manufacturers of SSP, are required to ensure that fertilizers are transported up to the retail point on Freight on Road (F.O.R.) delivery basis.

11. There would be no separate subsidy on sale of customized fertilizers and mixture fertilizers.

12. The payment of subsidy to the manufacturers/ importers of P&K fertilizers shall be released as per the procedure and terms and conditions mentioned in the Department Notification No. D(FA)/ CCEA/2011 dated 25.10.2012 and D(FA)/2016/DBT dated 17.03.2017, as amended from time to time.

13. This issues with the approval of the Competent Authority.

14. Hindi version will follow.


(Dr. Tina Soni)
Director
Tel: 23386398

To,

1. Secretary (Agriculture), DA&FW, Krishi Bhawan, New Delhi.
2. Secretary (Expenditure), Department of Expenditure, North Block, New Delhi.
3. Secretary (NITI Aayog), Yojana Bhawan, New Delhi.
4. Joint Secretary, Prime Minister's Office, South Block, New Delhi.
5. Joint Secretary (Cabinet), Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.
6. Joint Secretary (INM), DA&FW, Krishi Bhawan, New Delhi.
7. Joint Secretary (PF-II), Department of Expenditure, North Block, New Delhi.
8. Joint Secretary (NA), Department of Fertilizers, New Delhi.
9. Joint Secretary (AS), Department of Fertilizers, New Delhi.
10. Executive Director, FICC, Department of Fertilizers, New Delhi.

11. Chief Controller of Accounts, Department of Fertilizers, New Delhi.
12. Director(P&K), Department of Fertilizers, New Delhi.
13. Director (Finance)/Director(Budget), Department of Fertilizers, New Delhi.
14. DS, PMO, South Block, New Delhi
15. Jt. Director (Movement), Department of Fertilizers, New Delhi.
16. Director (Fertilizer Subsidy), Department of Fertilizers, New Delhi.
17. DDG, NIC, Department of Fertilizers– To upload on website and other digital platforms
18. Director General, FAI, New Delhi.
19. All Urea Manufacturers and P&K Fertilizer Manufacturers & importers.

Copy to:

1. Chief Secretaries of the State Governments/ UTs.
2. Commissioners/Directors, Commissionerate/Directorate of Agriculture of the State Governments/ UTs.

Copy also to:

1. PS to Hon'ble Minister (C&F)
2. PS to Hon'ble MOS (C&F)
3. PS to Secretary (Fertilizers)
4. AD (OL), Hindi Cell, Department of Fertilizers – For translation in Hindi
5. SO(IT), Department of Fertilizers - For uploading the same on the Department's website.
6. Guard File

Tina Sen
13.10.21

Annexure 11: T-Test Observations

	One-Sample Statistics	Mean	Std. Deviation	Std. Error Mean	t	Mean Difference	95% Confidence Interval of the Difference	
							Lower	Upper
V1	Age	2.3667	1.11191	0.06420	36.866	2.36667	2.2403	2.4930
V2	Education	2.1600	1.07311	0.06196	34.863	2.16000	2.0381	2.2819
V3	Household Annual Income	2.2933	1.10060	0.06354	36.091	2.29333	2.1683	2.4184
V4	Farmin g Experie nce	2.6067	1.14440	0.06607	39.452	2.60667	2.4766	2.7367
V5	Numbe r of agricult ural laborers in the family	2.4300	1.00755	0.05817	41.774	2.43000	2.3155	2.5445
V6	Farmla nd area	2.2800	1.15153	0.06648	34.294	2.28000	2.1492	2.4108
V7	Soil type	2.7967	1.26252	0.07289	38.367	2.79667	2.6532	2.9401
V8	Crop is grown	2.8400	1.41695	0.08181	34.715	2.84000	2.6790	3.0010
V9	Availab ility of labour	2.7633	1.49715	0.08644	31.969	2.76333	2.5932	2.9334
V10	Rainfall	3.2000	1.43999	0.08314	38.490	3.20000	3.0364	3.3636
V11	Availab ility of cash/ credit	2.6400	1.45745	0.08415	31.374	2.64000	2.4744	2.8056
V12	Price of fertilize r	2.9767	1.27602	0.07367	40.405	2.97667	2.8317	3.1216
V13	Price of produce	2.9300	1.53175	0.08844	33.131	2.93000	2.7560	3.1040
V14	Good impact on the	2.8000	1.41185	0.08151	34.350	2.80000	2.6396	2.9604

	plant health							
V15	Better production	2.9467	1.3552 2	0.0782 4	37.660	2.94667	2.7927	3.1006
V16	Low cost of chemical fertilizers	2.7200	1.4124 2	0.0815 5	33.355	2.72000	2.5595	2.8805
V17	Works according to the soil	2.4633	1.1775 4	0.0679 9	36.233	2.46333	2.3295	2.5971
V18	Lack of availability of organic fertilizers	3.3367	1.4177 5	0.0818 5	40.764	3.33667	3.1756	3.4977
V19	Easy to mix	2.4200	1.1753 9	0.0678 6	35.661	2.42000	2.2865	2.5535
V20	Useful for low nutrient deficient soil	3.4067	1.3980 2	0.0807 1	42.206	3.40667	3.2478	3.5655
V21	It has become a compulsion for production	2.9667	1.5514 2	0.0895 7	33.121	2.96667	2.7904	3.1429
V22	Which kind of fertilizer do you use for farming ?	2.2733	1.0781 9	0.0622 5	36.520	2.27333	2.1508	2.3958
V23	Do you receive subsidy from the Govern	1.4600	0.4992 3	0.0288 2	50.654	1.46000	1.4033	1.5167

	ment to purchas e fertilize r?							
V24	Weather, rainfall	3.29 67	1.374 15	0.07 934	41.55 3	3.29667	3.1405	3.4528
V25	Soil fertility	3.23 67	1.397 80	0.08 070	40.10 6	3.23667	3.0779	3.3955
V26	Types of the crop planted	3.11 67	1.386 65	0.08 006	38.93 0	3.11667	2.9591	3.2742
V27	Own experien ce	3.35 67	1.443 28	0.08 333	40.28 3	3.35667	3.1927	3.5207
V28	Growth and/or density of seedlings	3.43 00	1.315 63	0.07 596	45.15 7	3.43000	3.2805	3.5795
V29	Yield gain from fertilizati on	3.24 67	1.303 13	0.07 524	43.15 3	3.24667	3.0986	3.3947
V30	Availabili ty of fertilizers (organic & chemical)	3.17 67	1.370 54	0.07 913	40.14 6	3.17667	3.0209	3.3324
V31	Knowled ge of fertilizer	2.97 33	1.308 30	0.07 554	39.36 4	2.97333	2.8247	3.1220
V32	Cost of fertilizer	3.46 67	1.259 97	0.07 274	47.65 6	3.46667	3.3235	3.6098
V33	Capital availabilit y	3.30 00	1.393 97	0.08 048	41.00 4	3.30000	3.1416	3.4584
V34	Knowled ge of various fertilizer grades	3.20 00	1.430 67	0.08 260	38.74 1	3.20000	3.0374	3.3626
V35	Knowled ge of correct price of fertilizer grades	3.49 67	1.350 09	0.07 795	44.85 9	3.49667	3.3433	3.6501

V36	Knowledge of quality of fertilizers	3.2867	1.45311	0.08390	39.176	3.28667	3.1216	3.4518
V37	I don't get discouraged when the opinion of others differs from my own	2.8167	1.23347	0.07121	39.552	2.81667	2.6765	2.9568
V38	I always try hard to manage and solve difficult problems	3.3467	1.30339	0.07525	44.473	3.34667	3.1986	3.4948
V39	I have direct access of mandis(market) for selling farm produce	2.9667	1.23178	0.07112	41.715	2.96667	2.8267	3.1066
V40	I can estimate the financial requirements of the farming	3.0467	1.41344	0.08161	37.334	3.04667	2.8861	3.2073
V41	Are fertilizers easily available for you due to the NBS policy?	2.8667	1.51101	0.08724	32.860	2.86667	2.6950	3.0383
V42	Funds	2.6767	1.13567	0.06557	40.823	2.67667	2.5476	2.8057
V43	Access or distance to input	3.1167	1.44106	0.08320	37.460	3.11667	2.9529	3.2804

	& output markets							
V44	Low quality of chemical fertilizers	3.42 33	1.317 79	0.07 608	44.99 5	3.42333	3.2736	3.5731
V45	Size of bags	3.15 00	1.449 54	0.08 369	37.63 9	3.15000	2.9853	3.3147
V46	Availabili ty on time	2.80 67	1.357 24	0.07 836	35.81 8	2.80667	2.6525	2.9609

Questionnaire for Farmers

Topic: A Study of Nutrient Based Subsidy Policy of Fertilizers in India and its Impact on Drivers of Buying Behaviour of Farmers

Dear Respondents,

I am undergoing this study for my Doctoral degree in Management. To serve the purpose, I have designed this questionnaire. It would be kind on your part if you gracefully acknowledge your cooperation in answering the questionnaire.

I assure you that this information is gathered purely for academic purpose.

Thanking You.

Preeti Yadav

PhD Scholar,

Faculty of Management Studies,

The M.S. University of Baroda,

Vadodara, Gujarat

Questionnaire for Farmers

Instructions: Please put a tick in the box next to the answer of your choice or write in the space provided as the case may be.

A. Socio-Demographic Profiling of the farmers

Name of Respondent: _____

Village/District: _____

State: _____

1. Age

- ☐ 20- 30 years
- ☐ 31-40 years
- ☐ 41-50 years
- ☐ > 50 years

2. Education

- ☐ Uneducated
- ☐ 8th pass
- ☐ 10th pass
- ☐ 12th pass & above.

3. Household Annual Income

- ☐ < 2.5 lakhs
- ☐ 2.5 lakhs to 5 Lakhs
- ☐ 5 lakhs to 15 lakhs
- ☐ > 15 lakhs

4. Farming Experience

- ☐ < 1 years
- ☐ 2 – 3 years
- ☐ 4 to 6 years
- ☐ > 6 years

5. Number of agricultural laborers in the family

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 3+

6. Farmland area

- ☐ < 2.5 acre
- ☐ 2.5 to 5 acres
- ☐ 6 to 10 acres
- ☐ > 10 acres

B. Behavioural Information of Farmers

7. What is the main reason which influences you for using chemical fertilizers?

Factors	Not very Important	Not important	Neutral	Somewhat Important	Very Important
Soil type					
Crops grown					
Availability of labor					
Rainfall					
Availability of cash/ credit					
Price of fertilizer					
Price of farm produce					
Good impact on the plant health					
Better production					
Low cost of chemical fertilizers					
Works according to the soil					
Lack of availability of organic fertilizers					
Easy to mix					
Useful for low Nutrient deficient soil					
It has become compulsion for production					

8. Which kind of fertilizer do you use for farming?

- ☐ Organic fertilizer
- ☐ Chemical fertilizer
- ☐ Both Organic & Chemical fertilizer
- ☐ Can't Say

9. Do you receive subsidy from the Government to purchase fertilizer?

- ☐ Yes
- ☐ No

10. Factors which influence you while buying fertilizers.

1= Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree, 5=Strongly Agree

Factors	5	4	3	2	1
Growth and/or density of seedlings					
Own experience					
Yield gain from fertilization					
Soil fertility					
Types of crops planted					
Weather, rainfall					
Availability of Fertilizers					
Knowledge of fertilizer					
Cost of fertilizer					
Capital availability					

11. Please rate the Behavioural Change in you when it comes to Fertilizers.

1= Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree, 5=Strongly Agree

Statement	5	4	3	2	1
Knowledge of various fertilizer grades					
Knowledge of correct price of fertilizer grades					
Knowledge of quality of fertilizer					
I don't get discouraged when the opinion of others differs from my own					
I always try hard to manage and solve difficult problems					
I have direct access of mandis (Markets) for selling farm produce					
I can estimate financial requirements of the farming					

12. Are fertilizers easily available to you because of the NBS policy?

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly Disagree

13. Please select the constraints which you face in obtaining the chemical fertilizer.

1= Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree, 5=Strongly Agree

Statement	5	4	3	2	1
Funds					
Access or distance to input & output markets					
Low quality of chemical fertilizers					
Size of bags					
Availability on time					

Questionnaire for Fertilizer Industry Officers

Topic: A Study of Nutrient Based Subsidy Policy of Fertilizers in India and its Impact on Drivers of Buying Behaviour of Farmers

Dear Respondents,

I am undergoing this study for my Doctoral degree in Management. To serve the purpose, I have designed this questionnaire. It would be kind on your part if you gracefully acknowledge your cooperation in answering the questionnaire.

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Thanking You.

Preeti Yadav

PhD Scholar,

Faculty of Management Studies,

The M.S. University of Baroda,

Vadodara, Gujarat

Questionnaire for Fertilizer Industry Officers

Name of respondent: _____

Name of the organization: _____

Designation: _____

Current Location: _____

Qualification: _____

Contact: _____

Experience: _____ years

Experience of working in Indian States: (Please write name of State/States)

1. _____
2. _____
3. _____
4. _____
5. _____

Q.1 According to you what is the usage pattern of Urea and Non-Urea fertilizers by farmers after the introduction of NBS policy.

Q.2 Your comments on the affordability of fertilizers (Urea, DAP, MOP and NPK grades) by farmers due to the NBS policy.

Q.3 How NBS has impacted production, import and consumption pattern of fertilizers in India?

Q.4 What has been the post effect of NBS policy on overall agriculture sector?

Q.5 How NBS has helped fertilizer companies in subsidy disbursement?

Q.6 Your comments on the overall MRP of fertilizers post NBS Policy.

Thanks and Regards!

Questionnaire for Distributors/Retailers

Topic: A Study of Nutrient Based Subsidy Policy of Fertilizers in India and its Impact on Drivers of Buying Behaviour of Farmers

Dear Respondents,

I am undergoing this study for my Doctoral degree in Management. To serve the purpose, I have designed this questionnaire. It would be kind on your part if you gracefully acknowledge your cooperation in answering the questionnaire.

I assure you that this information is gathered purely for academic purpose.

Thanking You.

Preeti Yadav

PhD Scholar,

Faculty of Management Studies,

The M.S. University of Baroda,

Vadodara, Gujarat

Questionnaire for Distributors/Retailers

Name of respondent: _____

Name of the firm: _____

Address: _____

Contact: _____

No. of years in fertilizer business: _____ years

Dealing in Indian States:

1. _____
2. _____
3. _____
4. _____
5. _____

Deals in fertilizer products: (Please tick the appropriate box).

- ☐ UREA
- ☐ DAP
- ☐ MOP
- ☐ NPK
- ☐ Others

Q.1 Your comment on availability of fertilizer during seasonal month after introduction of NBS policy.

Q.2 Return on investment after introduction of NBS policy.

Q.3 Overall impact of NBS policy on your business.

Thanks and Regards!