

CONTENTS

	Page No.
• Highlights of the development in fertiliser and agriculture sectors during 2020-21	1
• Fertiliser Policy -1944 to 2021 (Highlights)	7
PART I: INDIAN FERTILISER STATISTICS	
SECTION 1: FERTILISERS	
1.00 Fertiliser Production Capacity	
1.01 (a) Sector-wise capacity and production of N and P ₂ O ₅	I-13
(b) Sector-wise capacity of fertiliser products	I-13
(c) Capacity and production of nitrogenous and complex fertilisers - plant-wise and product-wise	I-14
(d) Joint ventures abroad	I-21
1.02 (a) Capacity and production of single super phosphate - plant-wise	I-22
(b) State-wise no. and capacity of SSP plants in production with share to total P ₂ O ₅ capacity	I-27
1.03 (a) Capacity of nitrogen (N) - feedstock-wise	I-29
(b) Capacity of Urea feedstock-wise	I-29
1.04 Capacity of fertilisers - state-wise and product-wise	I-30
1.05 Capacity and estimated investment in the fertiliser Industry	I-31
1.06 Capacity of phosphate (P ₂ O ₅) according to raw materials	I-34
1.07 Capacity of fertilisers – product-wise and nutrient-wise-1950-2020	I-35
1.08 All India capacity, production and capacity utilisation of fertiliser industry-1982-83 to 2020-21	I-37
1.09 Approved grades of fertiliser mixtures – state-wise	I-38
1.10 Manufacturers and installed capacity of granulated fertiliser mixtures	I-42
2.00 Production of Fertilisers	
2.01 Development of production of fertiliser products	I-46
2.02 All India production of N and P ₂ O ₅ - 1951-52 to 2020-21	I-47
2.03 All India production of straight nitrogenous fertilisers - 1951-52 to 2020-21	I-48
2.04 All India production of straight phosphates - 1951-52 to 2020-21	I-49
2.05 All India production of DAP and NP/NPK complex fertilisers-1960-61 to 2020-21	I-50
2.06 All India production of sulphur carrying fertilisers - 1990-91 to 2020-21	I-52
2.07 State-wise production of fertilisers - product-wise and nutrient-wise – 2020-21	I-53
3.00 Import of Fertilisers	
3.01 Import of fertiliser products - 1980-81 to 2020-21	I-54
3.02 Import of nitrogenous fertilisers – 2014-15 to 2020-21	I-55
3.03 Import of complex and phosphatic fertilisers – 2014-15 to 2020-21	I-56
3.04 (a) to (g) Import of NP/NPK complex fertilisers – 2014-15 to 2020-21	I-57
3.05 Import of potassic fertilisers – 2014-15 to 2020-21	I-58
3.06 (a) Traffic of fertilisers handled at various ports 2019-20	I-59
(b) Traffic of fertilisers handled at various ports 2020-21	I-59
4.00 Despatches and Sales of Fertilisers	
4.01 Despatches of total fertiliser products - 1990-91, 2000-01, 2010-11, 2015-16 to 2020-21	I-60
4.02 Quantum of fertilisers moved by rail and average lead - 1980-81 to 2020-21	I-62
4.03 Month-wise DBT sales of major fertiliser products – 2020-21 and 2021-22	I-63
4.04 All-India despatches of sulphur carrying fertilisers – 1990-91 to 2020-21	I-64
5.00 Fertiliser Sale Points	
5.01 Number of fertiliser sale points - All India-1966-67 to 2020-21	I-65
5.02 Number of fertiliser sale points-state-wise	I-66
6.00 Consumption of Fertilisers	
6.01 (a) All India consumption of N, P ₂ O ₅ & K ₂ O - 1950-51 to 2020-21	I-68
(b) Season-wise consumption of N, P ₂ O ₅ & K ₂ O and total by states and percentage variation- 2019-20 and 2020-21	I-70
*(c) Season-wise consumption of fertilisers and percentage variation – 2019-20 and 2020-21	I-79
6.02 (a) All India consumption of fertiliser products - 1990-91, 1995-96, 2000-01 and 2005-06 to 2020-21	I-80
(b) State-wise consumption of fertiliser products (season-wise - 2020-21)	I-84
6.03 All India consumption of N, P ₂ O ₅ & K ₂ O -season-wise and Kharif: Rabi share -1971-72 to 2020-21	I-90
6.04 Season-wise share of consumption of N, P ₂ O ₅ and K ₂ O by states-Kharif - 2018 to 2020	I-91

6.05	All India consumption ratio of N and P ₂ O ₅ in relation to K ₂ O and N in relation to P ₂ O ₅ - 1951-52 to 2020-21	I-92
6.06	State-wise consumption ratio of N and P ₂ O ₅ in relation to K ₂ O and N in relation to P ₂ O ₅	
	(a) 2019-20 and 2020-21 (total)	I-93
	(b) Kharif - 2019 and 2020	I-94
	(c) Rabi – 2019-20 and 2020-21	I-95
6.07	All India consumption of plant nutrients per unit of gross cropped area -- 1951-52 to 2020-21	I-96
6.08	State-wise consumption of plant nutrients per unit of gross cropped area - 2019-20 and 2020-21	I-97
6.09	Share of gross cropped area and fertiliser consumption to all India - State-wise – 2020-21	I-100
6.10	States according to descending order of contribution to increase in consumption (N+ P ₂ O ₅ + K ₂ O) 2020-21 over 2019-20 and 2019-20 over 2018-19	I-101
6.11	Pattern of fertiliser consumption by size of farms – 2016-17	I-102
6.12	Usage of fertilisers by various crops – 2016-17	I-103
6.13	Usage of fertilisers by all crops in major states – 2016-17	I-105
6.14	Usage of fertilisers by major size groups for all crops – 2016-17	I-108
6.15	Usage of fertilisers by major size groups for selected crops – 2016-17	I-108
	Consumption of Fertilisers by Districts	
6.16	District-wise, season-wise consumption of N, P ₂ O ₅ & K ₂ O – 2020-21 (April-March)	I-116
6.17	Classification of districts according to the percentage share of total and per hectare consumption of plant nutrients (N+P ₂ O ₅ +K ₂ O) – 2020-21	I-136
6.18	Classification of districts according to ranges of fertiliser consumption (kg/hectare) (N+P ₂ O ₅ +K ₂ O) – 2020-21	I-143
7.00	Summary Tables	
7.01	All India production, imports, despatches and consumption of fertilisers - 1951-52 to 2020-21	
	(a) N, P ₂ O ₅ and N+P ₂ O ₅	I-145
	(b) K ₂ O and N+P ₂ O ₅ +K ₂ O	I-147
7.02	All India production, imports and consumption of fertiliser products – 2019-20 and 2020-21	I-149
7.03	Capacity, production and consumption of N, P ₂ O ₅ and K ₂ O (with surplus/deficit) State-wise – 2020-21	I-150
8.00	Prices, Taxes, Subsidies/Concessions and Railway Freight for Fertilisers	
8.01	Maximum retail prices of fertilisers in terms of nutrients	I-152
8.02	A. Urea, zincated urea and anhydrous ammonia	I-153
	B. Ammonium Sulphate, CAN and Ammonium Chloride	I-153
	C. Phosphatic and potassic fertilisers	I-154
8.03	(a) Economics of application of N, P ₂ O ₅ and K ₂ O on paddy, wheat, gram and sorghum	I-161
	(b) Economics of sulphur fertiliser application	I-166
	(c) Response ratios for different crop groups (All-India)	I-166
	(d) Response ratios for different crops (All India)	I-166
	Taxes and Subsidy	
8.04	VAT (upto 30 th June, 2017) and GST (w.e.f 1 st July, 2017) on fertilisers	I-167
8.05	Subsidy on soil conditioners	I-168
8.06	(a) Central subsidy on fertilisers -1976-77 to 1991-92	I-169
	(b) Central subsidy on fertilisers – 1992-93 to 2009-10	I-169
	(c) Central subsidy on fertilisers – 2010-11 to 2021-22	I-170
	(d) Central subsidy on food – 1976-77 to 2021-22	I-171
	(e) Rates of concession for phosphatic & potassic fertilisers -1992-93 to 2006-07	I-172
	(f) Rates of concession for DAP and complex fertilisers sold by IFFCO-Kandla - 2005-06 to 2007-08	I-175
	(g) Month-wise/ grade-wise final rates of concession for decontrolled P & K fertilisers - 2007-08	I-176
	(h) Month-wise/ grade-wise final rates of concession for decontrolled P & K fertilisers - 2008-09	I-177
	(i) Concession for decontrolled P & K fertilisers (except SSP) – April 2009-March 2010	I-179
	(j) Final rates of concession for single superphosphate (SSP) - 2009-10	I-181
8.07	Nutrient based subsidy for P & K fertilizers - 2010-11 to 2021-22	I-182
8.08	Maximum retail price (MRP) and distribution margin on Urea	I-183
	Railway freight	
8.09	Railway freight (Train load) for fertilisers -1992-93 to 2020-21	I-184
9.00	Soil and Fertiliser Testing Laboratories	
9.01	State-wise no. of soil testing laboratories and analysing capacity - 2020-21	I-186

9.02	(a) State-wise status of soil health card scheme cycle-I as on 30.06.2018	I-188
	(b) State-wise status of soil health card scheme cycle-II as on 31.03.2020	I-189
9.03	(a) Number of fertiliser quality control laboratories and samples analysed -1995-96 and 2000-01 to 2020-21	I-190
	(b) State-wise number of fertiliser quality control laboratories, analysing capacity and samples analysed – 2020-21	I-190
	(c) State-wise location of fertiliser quality control laboratories and analysing capacity - 2020-21	I-191
10.00	Water Soluble Fertilisers and Biofertilisers	
10.01	Estimated consumption of water soluble fertilisers in India – 2000-01, 2005-06, 2010-11 to 2020-21	I-192
10.02	All India production and sale of customised fertilisers – 2010-11 to 2020-21	I-192
10.03	All India production and sale of neem coated urea – 2010-11 to 2020-21	I-192
10.04	(a) All India capacity of biofertilisers – 2001-02 to 2017-18	I-193
	(b) All India production and despatches of biofertilisers – 2001-02 to 2020-21	I-193
	(c) State-wise production of biofertilisers – 2017-18 to 2020-21	I-194
11.00	Manpower	
11.01	Manpower employed in major fertiliser companies for fertiliser business	I-195
LIST OF ILLUSTRATIONS – Maps and Charts		
Maps and list of Fertiliser Plants		
1	Location of straight nitrogenous fertiliser plants (Map)	I-4
2	List of straight nitrogenous fertiliser plants	I-5
3	Location of DAP and other complex fertiliser plants (Map)	I-6
4	List of DAP and other complex fertiliser plants	I-7
5	Location of SSP plants (Map)	I-8
6	List of SSP fertiliser plants	I-9
7	Gas pipeline network and location of Urea plants (Map)	I-10
8	Location of major and selected minor ports in India (Map)	I-11
Charts		
Figure 1	Sector-wise share of capacity of N and P ₂ O ₅	I-28
Figure 2	Feedstock-wise share of capacity - N	I-29
Figure 3	Capacity and investment in the fertiliser industry	I-33
Figure 4	Share of various fertiliser products to total despatches of fertilisers – 2020-21	I-61
Figure 5	Trends in consumption of fertiliser nutrients – 1970-71, 1980-81 and 1990-91 to 2020-21	I-69
Figure 6	State-wise consumption of fertiliser nutrients (N+ P ₂ O ₅ + K ₂ O) – 2020-21	I-78
Figure 7	Share of major fertilisers to nutrient consumption	I-82
Figure 8	Trends in consumption of fertiliser products - 1990-91 to 2020-21	I-83
Figure 9	Fertiliser consumption (N+ P ₂ O ₅ + K ₂ O) per unit of gross cropped area (kg/ha) – 2020-21 (Map)	I-98
Figure 10	Consumption of plant nutrients in major states (kg./ha.) (N+ P ₂ O ₅ + K ₂ O) – 2020-21 and 2019-20	I-99
Figure 11	Share of usage of fertiliser nutrients (N+ P ₂ O ₅ + K ₂ O) by various crops – 2016-17	I-104
Figure 12	Maximum retail prices of urea 1982-83 to 2020-21	I-160
Figure 13	Average retail prices of DAP, SSP and MOP 1982-83 to 2020-21	I-160
Figure 14	Trends in response to NPK (Kg grain / Kg NPK)	I-165
SECTION 2: FEEDSTOCKS / RAW MATERIALS AND INTERMEDIATES		
1.00	Feedstock (Natural Gas, Naphtha, F. Oil etc.)	
1.01	Indian petroleum industry at a glance	I-199
1.02	(a) Production and consumption of natural gas for energy and non-energy purposes	I-201
	(b) Production and consumption of naphtha by fertiliser industry	I-201
	(c) Production and consumption of furnace oil, LSHS/HHS by fertiliser industry	I-202
1.03	Production, consumption, import and export of petroleum products, coal and lignite - 2016-17 to 2020-21	I-203
2.00	Rock Phosphate and Sulphur	
2.01	(a) State-wise reserves / resources of Indian rock phosphate and apatite	I-204
	(b) Grade-wise reserves/resources of Indian rockphosphate	I-205
	(c) Chemical composition of Indian rockphosphate	I-205
2.02	Typical analyses of imported rockphosphate	I-206
2.03	(a) Production of rockphosphate in India -1971-72 to 2020-21	I-207
	(b) Despatches of indigenous rockphosphate -1971-72 to 2020-21	I-208
2.04	Import of rock phosphate and Sulphur - 2012 to 2020-21	I-209
2.05	All India production of sulphuric acid -1980-81, 1990-91, 1995-96 to 2012-13	I-210

2.06	Traffic of fertiliser raw materials handled at major ports- 2014-15 to 2020-21	I-210
3.00	Ammonia and Phosphoric acid	
3.01	Manufacturer-wise capacity of ammonia (Operating plants)	I-211
3.02	(a) Production of ammonia in fertiliser industry - 2000-01 to 2020-21	I-212
	(b) Import of ammonia for fertiliser industry - 2000-01 to 2020-21	I-212
3.03	Source-wise import of ammonia by India – 2012-13 to 2020-21	I-213
3.04	Manufacturer-wise capacity of phosphoric acid (Operating plants)	I-214
3.05	Production of phosphoric acid and its consumption in the fertiliser industry -1981-82 to 2020-21	I-215
3.06	Import of phosphoric acid and its consumption in the fertiliser industry -1981-82 to 2020-21	I-216
3.07	Source-wise import of phosphoric acid by India – 2012-13 to 2020-21	I-217
4.00	Prices, Taxes on Feedstock, Raw material / Intermediates and Railway Freight	
4.01	(a) Basic ceiling selling prices for naphtha, furnace oil and LSHS 1971-72 to 2000-01	I-218
	(b) Basic ceiling selling prices for naphtha, furnace oil and LSHS (16.7.2001 to 16.10.2002)	I-218
	(c) Basic (including freight) and delivered prices of naphtha and furnace oil for fertiliser companies (1.4.2010 to 1.7.2020)	I-219
	(d) Consumer and producer prices of natural gas	I-220
	(e) Estimated delivered prices of natural gas for fertiliser companies (1.4.2010 to 1.4.2015)	I-221
	(f) Estimated basic and delivered prices of RLNG for fertiliser companies (1.4.2011 to 1.4.2015)	I-222
	(g) Estimated spot prices of RLNG for fertiliser companies (1.04.2010 to 1.4.2015)	I-222
	(h) Retail selling prices of high speed diesel oil (HSDO) in metropolitan cities in India	I-222
	(i) Domestic natural gas prices on gross calorific value (GCV) basis	I-223
4.02	(a) State-wise VAT/ sales tax rates on crude oil and natural gas (as on 1.4.2020)	I-224
	(b) Central excise & customs tariff (as on 1.4.2021)	I-225
4.03	(a) Prices of Indigenous rockphosphate	I-226
	(b) Maximum sale price of indigenous rockphosphate (Mussoorie & Purulia)	I-229
4.04	Railway freight (train load) for naphtha and furnace oil - 2001-02 to 2020-21	I-230
	Conversion Factors	
1	Raw materials and intermediates requirements in the manufacture of fertiliser intermediates	I-231
2	Petroleum product conversion factor	I-231
3	Average international calorific value of different fuels	I-232
4	Raw materials and intermediate requirements in the manufacture of fertiliser products	I-232
	PART II: INDIAN AGRICULTURAL AND ALLIED STATISTICS	
1.00	Land Use Pattern	
1.01	All India cultivated and irrigated area - gross and net with cropping intensity - 1951-52 to 2018-19	II-3
1.02	Land utilisation pattern – 2018-19	II-5
1.03	Area under broad soil groups in India	II-9
1.04	Cropping pattern according to land utilisation statistics – 2016-17 and 2017-18	II-10
1.05	Sowing and harvesting seasons of principal crops in major growing states	II-12
1.06	All India area under foodgrains - cultivated and irrigated with land-man ratio - 1950-51 to 2017-18	II-16
1.07	(a) Distribution of operational holdings-size-wise-All India (2000-01, 2005-06, 2010-11 and 2015-16)	II-17
	(b) State-wise average size of operational holdings by major size groups – (2010-11 and 2015-16)	II-18
	(c) State-wise number and area of operational holdings-size-wise (2010-11 and 2015-16)	II-19
1.08	Ceiling limits on land holdings	II-21
1.09	Agro-ecological regions	II-22
2.00	Irrigation	
2.01	Gross cropped and irrigated area and area under foodgrains with cropping intensity-state-wise - 2018-19	II-23
2.02	Net area irrigated by source-state-wise – 2018-19	II-24
2.03	Gross irrigated area by crops-state-wise – 2018-19	II-25
2.04	Percentage of irrigated area to total area under principal crops-state-wise – 2017-18	II-27
2.05	(a) Distribution of number and net irrigated area of holdings in India by irrigation status – 2015-16	II-29
	(b) Irrigated area by source of irrigation in India by major size classes of holdings – 2010-11	II-29
	(c) Cropwise estimated irrigated and un-irrigated area by size classes – 2015-16	II-30
3.00	Rainfall	
3.01	Distribution of area according to annual rainfall in India	II-33
3.02	Distribution of annual rainfall according to seasons in India	II-33
3.03	(a) Distribution of meteorological sub-divisions according to excess/normal or deficient/ scanty rainfall - South West Monsoon Period	II-33

	(b) Performance of total rainfall in a year	II-34
3.04	Reservoir storage status	II-34
3.05	List of districts having mean annual rainfall of 750-1250 mm and moisture availability for at least 150 days	II-35
3.06	Season-wise percentage of annual rainfall in India	II-36
3.07	Rainfall in India during March 2020 to February 2021 - actual compared to normal - season-wise	II-37
4.00	Area, Production and Yield of Principal Crops	
4.01	Gross area under selected crops - All India - 1951-52 to 2019-20	II-39
4.02	Production of selected crops-All India – 1951-52 to 2020-21	II-41
4.03	Average yield per hectare of selected crops-All India - 1951-52 to 2019-20	II-43
4.04	Season-wise area, production and average yield of foodgrains-All India - 1968-69 to 2020-21	II-45
4.05	State-wise area, production and average yield per hectare of principal crops – 2019-20	II-46
4.06	Estimated area, production and average yield per hectare of Tea – 2019 to 2021	II-52
4.07	(a) Production of coffee in India - 1950-51 to 2020-21	II-53
	(b) Coffee production by states – 2013-14 to 2020-21	II-53
4.08	State-wise area, production and average yield per hectare of rubber – 2018-19 to 2020-21	II-54
4.09	(a) Production of fruits and vegetables in India - 1991-92 to 2019-20	II-54
	(b) All India area, production and yield of fruits and vegetables - 1991-92 and 2001-02 to 2019-20	II-55
4.10	(a) All India area, production and yield of major fruit crops – 2017-18 to 2019-20	II-56
	(b) All India area production and yield of major vegetable crops – 2017-18 to 2019-20	II-56
4.11	State-wise area, production and yield of fruits – 2018-19 and 2019-20	II-57
4.12	State-wise area, production and yield of vegetables - 2018-19 and 2019-20	II-58
4.13	Area, production and yield of major spice crops – 2017-18 to 2019-20	II-59
4.14	(a) All India area covered under organic manures and green manure – 2010-11, 2014-15 to 2017-18	II-60
	(b) All India production and availability of organic manure and green manure - 1995-96, 2009-10 to 2017-18	II-60
	(c) State-wise production of rural, urban and other compost – 2017-18	II-61
	(d) State-wise area – 2013-14 and production of green manure - 2011-12 and 2012-13	II-62
5.00	Fertility Status of Soils, Nutrient Uptake, Nutrient Content of Fertilisers & Micronutrients, etc.	
5.01	(a) Nitrogen fertility status of soils of Indian states	II-63
	(b) Phosphorus fertility status of soils of Indian states	II-65
	(c) Potassium fertility status of soils of Indian states	II-67
5.02	Total uptake of major nutrients by crops - some illustrative examples	II-69
5.03	Extent of sulphur deficiencies in major regions/ states	II-71
5.04	(a) Tentative estimates of Micronutrient uptake by crops in India	II-71
	(b) Distribution of available micronutrient in soils of various states	II-73
	(c) Status of boron and sulphur content in soils of various states	II-73
5.05	State-wise percent distribution of micronutrient deficiencies in India	II-74
5.06	Periodical changes in deficiency status of available micronutrients	II-74
5.07	Nutrient contents of fertilisers	II-76
5.08	Micronutrient contents of micronutrient fertilisers	II-77
5.09	Micronutrient content of some fertilisers	II-77
5.10	Average chemical composition of some organic manures	II-78
5.11	Total lead, chromium and cadmium contents of some fertilisers	II-79
5.12	Water soluble complex fertilisers in FCO	II-79
5.13	General specifications of hundred percent water soluble mixture of fertilisers	II-79
5.14	Grades of fortified fertilisers in FCO	II-80
6.00	Import, Export and Availability of Agricultural Products	
6.01	Import of agricultural products – 2018-19 and 2019-20	II-81
6.02	Export of principal agricultural commodities – 2018-19 and 2019-20	II-82
6.03	Balance of trade – 1973-74 to 2020-21	II-83
6.04	Net availability of cereals and pulses - 1971 to 2020	II-84
6.05	Net availability, procurement and public distribution of foodgrains - 1951 to 2020	II-85
6.06	Foodgrain stock in central pool	II-86
6.07	State-wise stocks of rice and wheat in central pool as on 01-01-2021	II-87
7.00	Warehouses, Storage, Capacity Utilisation & Charges	
7.01	Number and capacity of central and state warehouses	II-88
7.02	Storage accommodation available with The Food Corporation of India (FCI) - state-wise	II-89
7.03	Agency-wise storage accommodation available with The Food Corporation of India (FCI)	II-90

7.04	State-wise cooperative godowns (as on 31.3.2021)	II-91
7.05	Year-wise, commodity-wise average gross utilisation of the warehouses under CWC - 1985-86, 1990-91 to 2020-21	II-92
7.06	Region-wise, commodity-wise average gross utilisation of CWC warehouses – 2020-21	II-92
7.07	Rate of warehousing charges (fertilisers) of CWC – 2002 to 2020	II-93
8.00	Minimum Support Prices, Cost of Cultivation and Wholesale Price Indices	
8.01	Procurement/minimum support prices of agricultural commodities	II-94
8.02	Economic cost, central issue prices and subsidy – 2015-16 to 2021-22	II-95
8.03	Cost of cultivation of principal crops – 2018-19	II-96
9.00	Agricultural Credit	
9.01	Agency-wise flow of Institutional credit to agriculture sector – 2011-12 to 2020-21	II-101
9.02*	State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY)	II-102
9.03*	State-Wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)	II-103
9.04	State-wise number of Kisan Credit Cards issued up to 31 st March 2019	II-104
10.00	Seeds, Tractors and Electricity Consumption	
10.01	Production / Availability of breeder, foundation and certified seeds	II-105
10.02	Sale of tractors and power tillers – 2011-12 to 2019-20	II-105
10.03	Consumption of electricity for agricultural purposes – 2000-01 to 2018-19	II-106
10.04	State-wise consumption of electricity for agricultural purposes – 2018-19	II-107
11.00	GVA and Population	
11.01	Gross Value Added (GVA) by economic activity at constant (2011-12) prices	II-108
11.02	Percentage growth in GVA by economic activity at constant (2011-12) prices	II-109
11.03	(a) Gross Value Added (GVA) by economic activity (at current prices)	II-110
	(b) Sector-wise composition of GVA (at current prices)	II-111
	(c) Gross national income and net national income	II-112
	(d) Foreign exchange reserves	II-112
11.04	(a) Population (total and rural) in India - 1901 to 1941	II-113
	(b) Population and agricultural workers in India - 1951 to 2011	II-113
	(c) Population in India 2005 to 2020	II-113
	(d) All India percentage of population below poverty line (Tendulkar Methodology)	II-114
11.05	Number of districts, towns and villages (2011 Census)	II-114
11.06	Rank of States / Union Territories in total population and rural and urban population - 2011	II-115
11.07	Number and Percentage of population below poverty line by states – 2011-12 (Tendulkar Methodology)	II-117
11.08	Minimum rates of wages for different category of agricultural workers in different States / UTs under the minimum wages Act, 1948	I-118
12.00	Five Year Plans	
12.01	Public sector Plan outlay in agriculture and allied activities	II-119
12.02	Public sector outlays	II-119
12.03	Disaggregated outlays and expenditure on developmental heads by Ministry of Agriculture & Farmers Welfare	II-120
12.04	Central Government's expenditure on Agricultural Research and Education 2019-20 (Actual), 2020-21 (Budget and Revised) and 2021-22 (Budget)	II-121
12.05	Plan-wise irrigation potential created and utilised	II-122
12.06	Irrigation potential created under accelerated irrigation benefit programme (AIBP) - All major and medium irrigation projects	II-123
12.07	State-wise area covered under micro irrigation as on 31.03.2020	II-124
12.08	State-wise cold storage capacity as on 31.03.2020	II-125
13.00	Capital Formation and Investment	
13.01	Gross capital formation in agriculture & allied sectors (at current prices 2011-12 series)	II-126
13.02	Gross capital formation in agriculture & allied sectors (at constant 2011-12 prices)	II-126
13.03	Share (%) of gross capital formation to gross value added in agriculture & allied sectors (2011-12 series)	II-127
* = Addition / Modification		

LIST OF ILLUSTRATIONS - Charts

Figure 1 Average yield (kg.) per hectare of selected crops	II-50
Figure 2 Share of rice and wheat area to total area under foodgrains and yield per hectare – 2019-20	II-51
Figure 3 Trends in All India production of fruits and vegetables	II-55
Figure 4 Nitrogen fertility status of soils of Indian states (Map)	II-64
Figure 5 Phosphorus fertility status of soils of Indian states (Map)	II-66
Figure 6 Potassium fertility status of soils of Indian states (Map)	II-68
Figure 7 Spatial Variability in Available Sulphur Deficiency Status in soils of India 2017 (Map)	II-72
Figure 8 Soil Zinc Deficiency status in Agro- Ecological Sub regions of India (Map)	II-75
Figure 9* Distribution of average monthly income per agricultural households by source - July 2018-June 2019	II-116

Conversion Factors and Glossary

1 Conversion ratios between agricultural raw material and processed product	II-128
2 Glossary of English and Hindi names of important crops	II-130

PART III: WORLD FERTILISER AND AGRICULTURAL STATISTICS**SECTION 1: FERTILISERS****1.00 Capacity, Production, Consumption, Import and Export of Fertilisers**

1.01 Capacity of N, P ₂ O ₅ and K ₂ O in various regions – 2020	III-4
1.02 World production and consumption of fertiliser nutrients – 2011 to 2019	III-6
1.03 Ranking of major producing countries – Nitrogen – 1991, 2000 to 2019	III-8
1.04 Ranking of major producing countries – Phosphate – 1991, 2000 to 2019	III-9
1.05 Ranking of major consuming countries – Nitrogen – 1991, 2000 to 2019	III-10
1.06 Ranking of major consuming countries – Phosphate – 1991, 2000 to 2019	III-11
1.07 Ranking of major consuming countries – Potash – 1991, 2000 to 2019	III-12
1.08 Nutrient-wise fertiliser consumption in selected countries – 2018 and 2019	III-14
1.09 Fertiliser consumption per hectare of agricultural land in selected countries – 2018 and 2019	III-16
1.10 Fertiliser consumption per hectare of arable land and land under permanent crops in selected countries – 2018 and 2019	III-17
1.11 Consumption ratio of N and P ₂ O ₅ in relation to K ₂ O and N in relation to P ₂ O ₅ – 2018 and 2019	III-19
1.12 Fertiliser consumption per capita, per hectare and yield of principal crops in selected countries – 2019	III-20
1.13 Import and export of N, P ₂ O ₅ and K ₂ O in selected countries – 2019	III-21

2.00 Prices of Fertilisers

2.01 (a) Range of F.O.B. prices – Urea, DAP and MOP – Source-wise – 2010 to 2021	III-22
(b) Maximum and minimum F.O.B. prices of Urea, DAP and MOP – 2001 to 2021	III-23
2.02 Ocean freight to India – Urea and DAP – 2010 to 2019	III-24
2.03 Average CFR (India) prices of Urea, DAP and MOP – 1970-71 to 2020-21	III-25
2.04 Fertiliser and food price indices – 2014 to 2020	III-27

Charts

Figure 1 World production and consumption of fertiliser nutrients (N+P+K) – 2008 to 2019	III-5
Figure 2 Product-wise percentage share to world consumption of N – 2019	III-7
Figure 3 Product-wise percentage share to world consumption of P ₂ O ₅ – 2019	III-7
Figure 4 Rank of India in world production and consumption of fertiliser nutrients – 2019	III-13
Figure 5 Rank of first ten countries in world production of Urea – 2019	III-15
Figure 6 Rank of first ten countries in world production of DAP – 2019	III-15
Figure 7 Consumption of plant nutrients per hectare of arable land and agricultural land in selected countries (Kg.) – 2019	III-18
Figure 8 Average CFR (India) prices of Urea, DAP and MOP	III-26
Figure 9 Average retail prices of urea in selected countries	III-26

SECTION 2: FEEDSTOCKS/RAW MATERIALS AND INTERMEDIATES**1.00 Prices of Feedstocks/Raw materials/Intermediates**

1.01 Range of FOB prices – ammonia, phosphoric acid, rock phosphate and sulphur – source-wise – 2011 to 2021	III-34
1.02 CFR (India) prices of ammonia and phosphoric acid – 2011-12 to 2021-22	III-35
1.03 Average CFR (India) prices of rock phosphate and sulphur – 1995 to 2021	III-36
1.04 International prices of Naphtha, Dubai crude and Indian crude basket (Ex Singapore) – 2013-14 to 2020-21	III-37

1.05	Gas prices in selected countries – 1990 to 2020	III-38
1.06	Coal prices at various sources – 1990 to 2020	III-39
1.07	Spot crude oil prices at various sources – 1990 to 2020	III-40
2.00	Energy Consumption, Reserves, Production, Trade and Biofuel Production	
2.01	Primary commercial energy consumption in selected countries – 2020	III-41
2.02	Oil reserves, production, consumption and export in selected countries – 2020	III-42
2.03	Natural gas reserves, production and consumption in selected countries – 2020	III-43
2.04	LNG export by selected countries – 2020	III-44
2.05	Natural gas: Trade movement (by Pipeline) – 2020	III-44
2.06	Coal reserves and production in selected countries – 2020	III-45
2.07	Biofuel production in selected countries – 2012 to 2020	III-46
Charts		
Figure 1	Production of rock phosphate, sulphur, ammonia and phosphoric acid by the major producing countries – 2019	III-30
Figure 2	Percentage share of major producing countries to world production of rock phosphate, sulphur, ammonia and phosphoric acid – 2019	III-31
Figure 3	Export of rock phosphate, sulphur, ammonia and phosphoric acid by the major exporting countries – 2019	III-32
Figure 4	Import of rock phosphate, sulphur, ammonia and phosphoric acid by the major importing countries – 2019	III-33
SECTION 3: AGRICULTURAL AND ALLIED STATISTICS		
1.00	Land Use Pattern and Irrigation	
1.01	Land use and irrigation-continent-wise – 2000 and 2019	III-48
1.02	Area and number of agricultural holdings in selected countries	III-49
1.03	Land use and irrigation in selected countries – 2019	III-50
1.04	Pattern of land utilisation and fertiliser consumption in selected countries – 2019	III-53
2.00	Area, Production and Yield of Principal Crops	
2.01	Area, production and yield per hectare of cereals and pulses in major producing countries – 2018 and 2019	III-55
2.02	Area, production and yield per hectare of paddy in major producing countries – 1970 to 2019	III-58
2.03	Area, production and yield per hectare of wheat in major producing countries – 1970 to 2019	III-59
2.04	Area, production and yield per hectare of maize in major producing countries – 1970 to 2019	III-60
2.05	Yield per hectare of different crops in selected countries – 2018 and 2019	III-61
2.06	Rank of first five counties in world production of major crops – 2019	III-64
2.07	India's position in world agriculture – 2019	III-65
2.08	Producer prices of rice/paddy and wheat in selected countries – 2019	III-66
2.09	World food market of selected products	III-67
3.00	Agricultural Subsidies	
3.01	Agricultural subsidies (PSE) in selected countries –2000, 2010, 2015 to 2020	III-68
3.02	Farm subsidies per capita, per hectare and fertiliser consumption in selected countries – 2019	III-68
4.00	GDP Per Capita and Population	
4.01	GDP and GDP per capita at current prices in selected countries – 2019 and 2020	III-69
4.02	Population and employment in agriculture in selected countries – 2000, 2018 and 2019	III-70
4.03	Annual growth in population and density in selected countries	III-72
4.04	Population below poverty line in selected countries	III-73
Charts		
Figure1	Yield of paddy and wheat in selected countries (kg./ha.) – 2019 and 2018	III-63
Conversion Factors and Exchange Rates		
1	Conversion factors of area, yield, weight and distance	III-74
2	Conversion tables of measurement	III-74
3	Exchange rate of Indian Rupee <i>vis-a-vis</i> US Dollar-1947-48 to 2021-22	III-75
4	Exchange rate of Rupee <i>vis-a-vis</i> selected currencies of the world	III-76
* = Addition / Modification		