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DISTRICT-WISE GENERAL FERTILIZER RECOMMENDATIONS FOR MAJOR CROPS IN INDIA

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DISTRICT-WISE GENERAL FERTILIZER RECOMMENDATIONS

Background: India's general fertilizer recommendations (GFR) have remained largely unchanged since the 1980s–90s, based on blanket state-level doses from the Green Revolution era. These do not account for the enormous intra-state variability in soils, rainfall, irrigation, and attainable yields. For instance, within Uttar Pradesh alone, the scientifically warranted nitrogen recommendation for rice ranges from 50 to 130 kg/ha across 75 districts, whereas the earlier blanket rate was a uniform 120 kg/ha for the entire state. This bulletin presents revised district-level GFR computed using the STCR targeted yield framework, recent soil health card data (2023–25), and actual district-level crop yields.

District-wise GFR: The new district-wise GFR are given annexure 1. This document contains the GFR for major fertilizer consuming crops rice, maize, sugarcane and wheat. The earlier state level recommendations are also mentioned in parenthesis. The GFR for rice in different districts is also shown in figures 1, 2 and 3 for nitrogen, phosphorus and potassium, respectively. Across 31 states and 6 crop categories (kharif rice, rabi rice, wheat, sugarcane, kharif maize, and rabi maize), the new district-level GFR resulted in a net reduction in recommended doses for a clear majority of district–crop combinations. For nitrogen, 75% of combinations received a lower recommendation than the earlier state rate, 19% received higher doses, and 6% remained unchanged. For phosphorus, 79% showed reductions and only 7% increases. For potassium, 64% received lower doses, though 28% received higher recommendations — primarily in states where the earlier K dose was very low or zero (e.g., Gujarat Rice and Rajasthan Wheat at 0 kg/ha K_2O). The average reductions across crop categories ranged from 26 to 46 kg/ha for N, 13 to 29 kg/ha for P_2O_5, and 2 to 26 kg/ha for K_2O.

Annexure 2 contains the P recommendations for soils having high soil test P for HP, Punjab and UP. These are the suggested modifications over current state level recommendations.

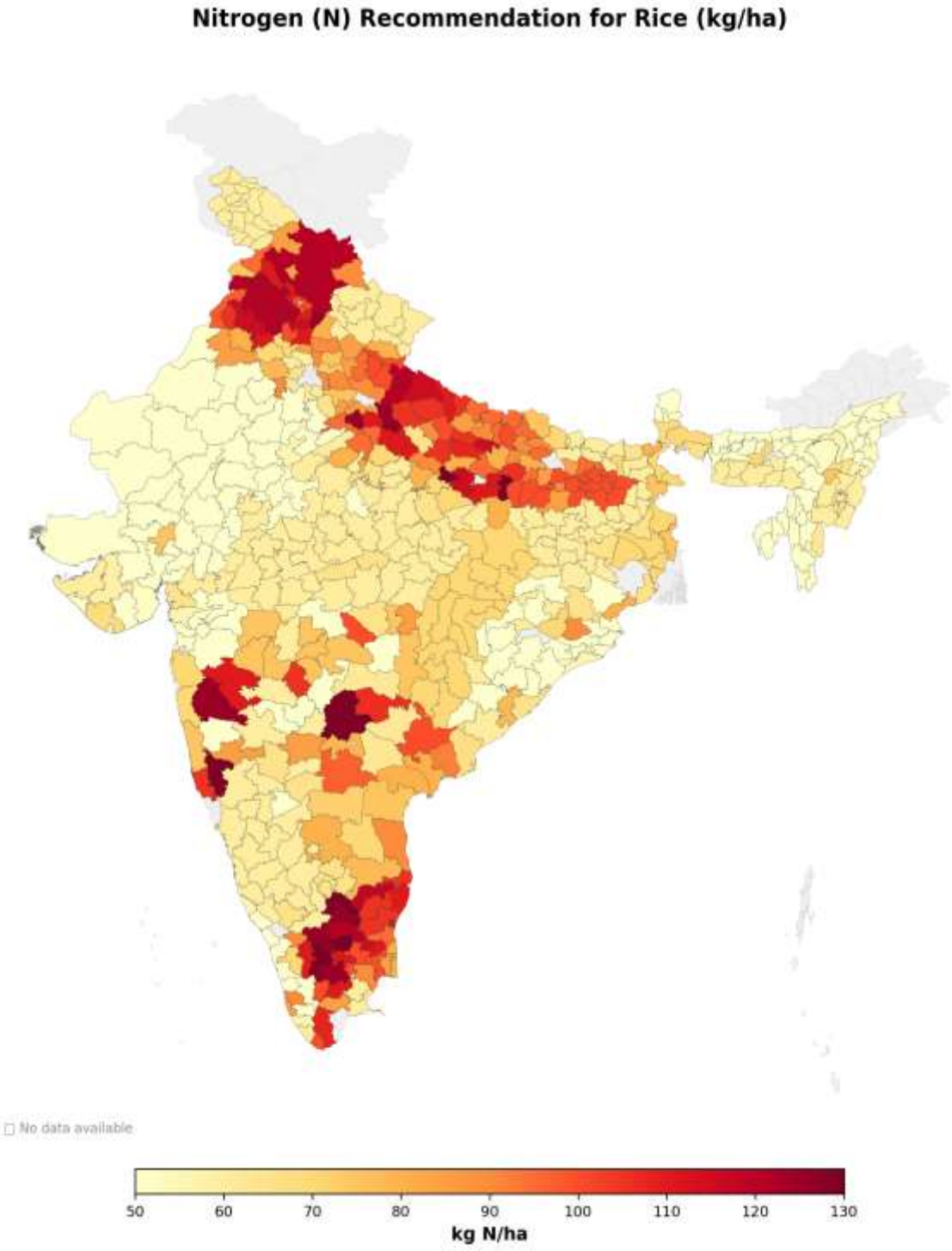

Figure 1. District-wise Nitrogen (N) fertilizer recommendation for rice (kg/ha) based on STCR targeted yield approach, district soil fertility data, and attainable yield targets.

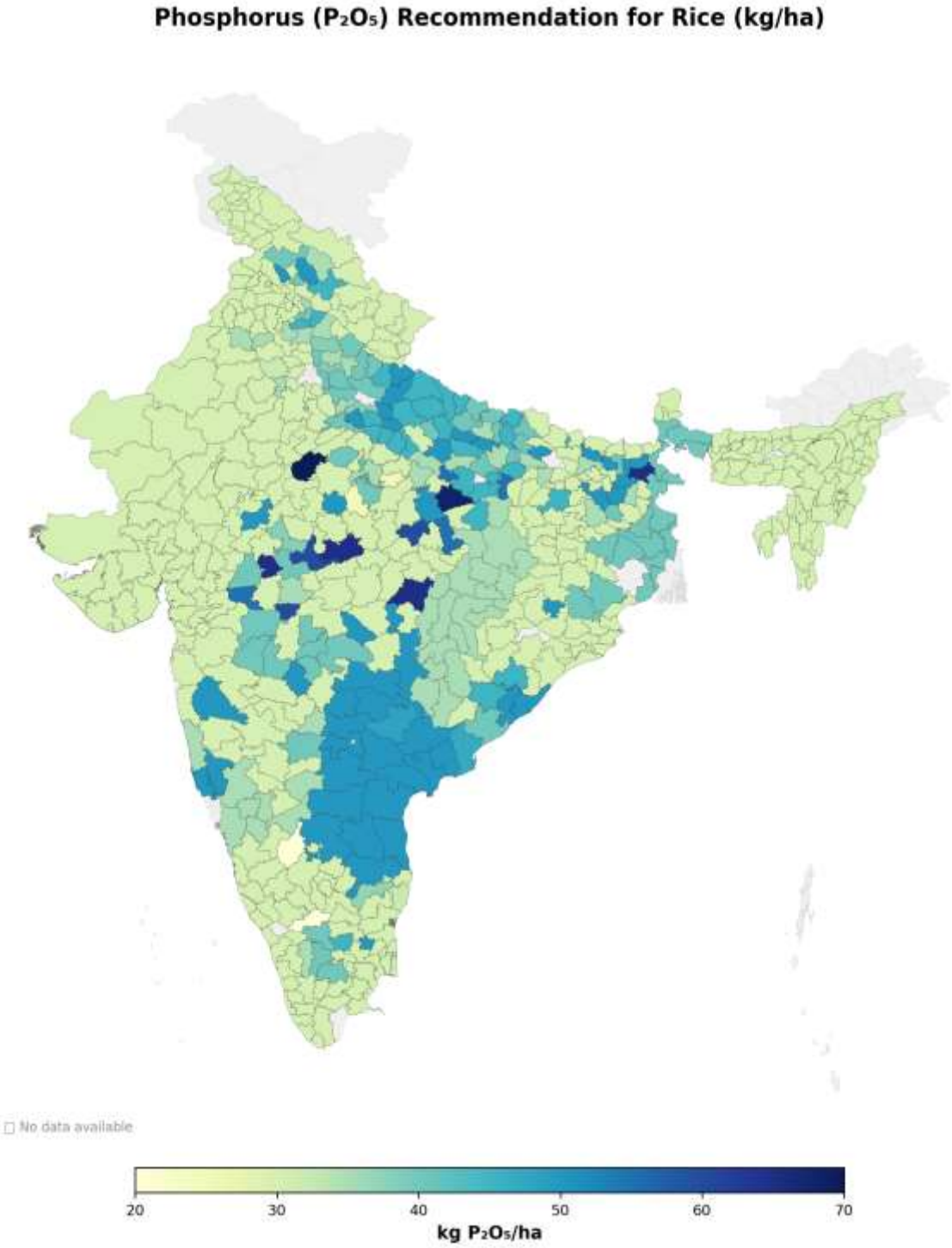

Figure 2. District-wise Phosphorus (P_2O_5) fertilizer recommendation for rice (kg/ha) based on STCR targeted yield approach, district soil fertility data, and attainable yield targets.

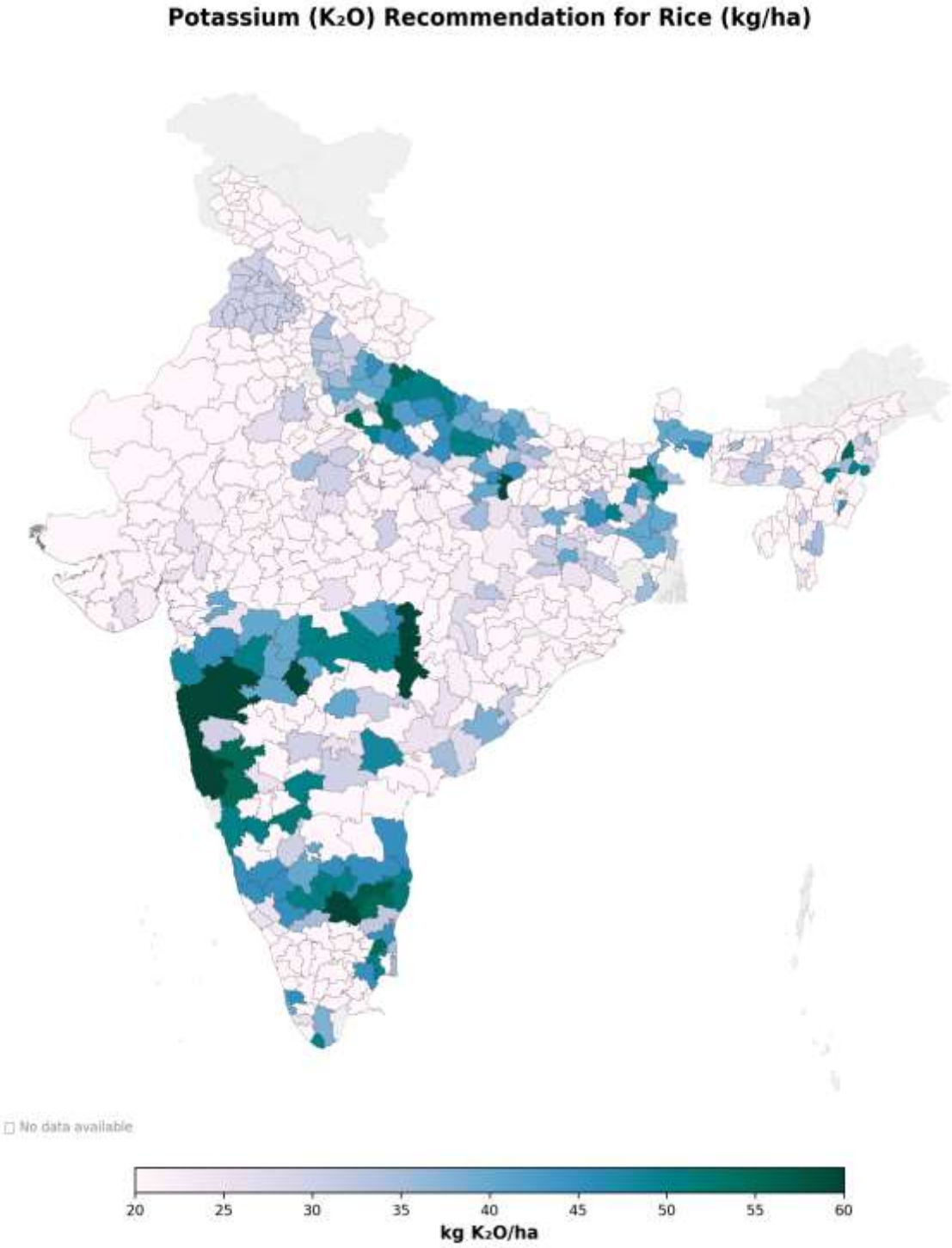

Figure 3. District-wise Potassium (K_2O) fertilizer recommendation for rice (kg/ha) based on STCR targeted yield approach, district soil fertility data, and attainable yield targets.

Annexure 1: District Level General Fertilizer Recommendations and Actual Consumption/Sale

State: Andhra Pradesh

All values in kg/ha

S. No.	District	Rice *(Earlier: 100: 50: 40)*			Kharif Maize *(Earlier: 120: 50: 40)*			Rabi Maize *(Earlier: 300: 80: 80)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Alluri Sitharama Raju	60	35	35	90	40	40	120	40	50
2	Anakapalli	60	35	35	105	40	40	240	70	70
3	Anantapur	80	50	20	120	40	40	240	70	70
4	Annamayya	90	50	20	210	60	50	230	70	60
5	Bapatla	80	50	20	160	55	50	240	70	70
6	Chittoor	80	50	45	210	60	50	215	70	70
7	East Godavari	80	50	40	125	55	50	240	70	70
8	Eluru	110	50	50	175	45	45	240	70	70
9	Guntur	85	50	20	130	40	40	240	70	70
10	Kakinada	60	50	20	105	40	40	235	70	70
11	Konaseema	60	40	20	100	40	40	240	70	70
12	Krishna	85	50	20	125	40	40	240	70	70
13	Kurnool	70	50	20	135	45	45	160	50	40
14	Nandyal	75	50	20	125	40	40	140	45	40
15	Ntr	75	50	20	145	45	45	230	70	60
16	Palnadu	75	50	20	190	60	50	230	70	60
17	Parvathipuram Manyam	65	50	40	105	40	40	180	55	70
18	Prakasam	75	50	20	155	40	40	155	40	40
19	Spsr Nellore	90	50	45	100	40	40	210	60	70
20	Sri Sathya Sai	80	50	20	90	40	40	145	40	40
21	Srikakulam	65	50	20	130	40	40	240	70	70
22	Tirupati	75	50	45	110	40	40	185	60	70
23	Visakhapatanam	60	50	45	115	40	40	165	55	70
24	Vizianagaram	90	50	20	135	40	40	240	70	70
25	West Godavari	75	50	20	90	40	40	240	70	70
26	Y.S.R.	70	50	20	90	40	40	110	40	40

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 24 kg N, 8 kg P_2O_5 and 7 kg K_2O can be reduced.*

State: Arunachal Pradesh

All values in kg/ha

S. No.	District	Rice *(Earlier: 80: 40: 40)*		
		N	P_2O_5	K_2O
1	Anjaw	50	30	20
2	Changlang	50	30	20
3	Dibang Valley	50	30	20
4	East Kameng	50	30	20
5	East Siang	50	30	20
6	Kamle	50	30	20
7	Kra Daadi	50	30	20
8	Kurung Kumey	50	30	20
9	Leparada	50	30	20
10	Lohit	50	30	25
11	Longding	50	30	20
12	Lower Dibang Valley	50	30	20
13	Lower Siang	50	30	20
14	Lower Subansiri	50	30	20
15	Namsai	50	30	35
16	Pakke Kessang	50	30	20
17	Papum Pare	50	30	20
18	Shi Yomi	50	30	20
19	Siang	50	30	20
20	Tawang	50	30	20
21	Tirap	50	30	20
22	Upper Siang	50	30	20
23	Upper Subansiri	50	30	20
24	West Kameng	50	30	20
25	West Siang	50	30	20

Data not available

State: Assam

All values in kg/ha

S. No.	District	Rice (Earlier: 80: 40: 40)			Kharif Maize (Earlier: 90: 40: 40)			Rabi Maize (Earlier: 90: 40: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Baksa	50	30	20	110	30	45	85	30	40
2	Barpeta	50	30	20	130	55	60	125	55	60
3	Biswanath	50	30	20	60	30	55	60	30	40
4	Bongaigaon	50	30	35	60	40	60	60	30	40
5	Cachar	50	30	20	60	30	20	60	30	20
6	Charaideo	50	30	20	60	30	30	60	30	30
7	Chirang	50	30	20	75	40	60	70	40	60
8	Darrang	50	30	20	150	60	60	150	80	60
9	Dhemaji	50	30	20	60	30	55	60	30	45
10	Dhubri	50	30	20	120	50	60	120	45	60
11	Dibrugarh	50	30	20	60	30	20	60	30	20
12	Dima Hasao	50	30	20	60	30	20	60	30	20
13	Goalpara	50	30	20	100	50	60	90	45	60
14	Golaghat	55	30	20	60	30	20	95	30	40
15	Hailakandi	50	30	20	60	30	20	60	30	20
16	Hojai	50	30	20	120	35	45	120	35	45
17	Jorhat	50	30	20	60	30	35	60	30	35
18	Kamrup	50	30	20	60	35	35	60	35	35
19	Kamrup Metro	90	30	45	120	30	55	125	30	50
20	Karbi Anglong	55	30	20	60	30	20	60	30	20
21	Kokrajhar	50	30	20	90	30	40	90	30	40
22	Lakhimpur	50	30	20	90	40	60	60	35	60
23	Marigaon	50	30	20	80	40	55	75	40	50
24	Nagaon	55	30	20	120	50	60	120	45	55

25	Nalbari	50	30	20	60	30	30	60	30	30
26	Sivasagar	50	30	20	60	30	20	60	30	20
27	Sonitpur	50	30	20	60	30	35	60	30	35
28	South Salmara Mancachar	50	30	20	120	55	60	120	45	60
29	Sribhumi	50	30	20	60	30	20	60	30	20
30	Tinsukia	50	30	20	60	30	25	60	30	25
31	Udalguri	50	30	20	60	30	20	60	30	20
32	West Karbi Anglong	50	30	20	60	30	20	60	30	20

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 17 kg N, 3 kg P_2O_5 and 18 kg K_2O can be reduced.*

Note (Kharif Maize, Rabi Maize): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 24 kg N, 5 kg P_2O_5 and 24 kg K_2O can be reduced.*

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State: Bihar

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 40)			Wheat (Earlier: 120: 60: 40)			Sugarcane (Earlier: 175: 75: 75)			Rabi Maize (Earlier: 120: 60: 50)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Araria	65	30	20	80	30	20	130	60	50	160	60	50
2	Arwal	100	30	20	85	30	25	150	60	50	60	40	40
3	Aurangabad	100	30	20	65	30	20	145	60	50	160	60	50
4	Banka	100	50	20	95	30	25	80	60	50	105	60	50
5	Begusarai	100	30	20	120	45	20	150	60	50	160	60	50
6	Bhagalpur	100	50	20	120	30	20	80	60	50	160	60	50
7	Bhojpur	85	35	20	115	35	35	130	60	50	160	60	50
8	Buxar	95	30	20	120	35	40	150	60	55	160	60	55
9	Darbhanga	60	50	25	60	30	20	80	60	50	155	60	50
10	Gaya	85	45	20	80	30	25	125	60	50	60	40	40
11	Gopalganj	90	30	20	120	30	30	150	60	50	100	60	50
12	Jamui	100	50	35	60	30	20	115	60	60	60	40	40
13	Jehanabad	90	30	20	110	35	35	125	60	50	60	40	40
14	Kaimur (Bhabua)	100	30	20	110	35	40	105	60	50	160	60	50
15	Katihar	60	65	55	75	30	30	95	60	50	160	60	60
16	Khagaria	100	30	20	120	45	55	150	60	60	160	60	60
17	Kishanganj	80	30	20	60	30	20	125	60	50	160	60	60
18	Lakhisarai	100	30	20	120	40	20	105	60	50	140	60	50
19	Madhepura	70	40	20	120	35	40	140	60	55	160	60	60
20	Madhubani	60	30	20	60	30	20	150	70	60	160	70	60
21	Munger	100	30	20	110	35	20	150	60	50	155	60	50
22	Muzaffarpur	60	30	20	75	30	20	150	60	50	155	60	50
23	Nalanda	100	30	20	120	40	40	145	60	55	160	60	50
24	Nawada	100	30	20	115	30	20	150	60	50	160	60	50

25	Pashchim Champaran	75	30	20	120	30	35	150	60	50	160	60	50
26	Patna	100	30	20	120	40	45	145	60	60	125	60	50
27	Purbi Champaran	70	30	20	95	30	20	150	60	60	125	60	50
28	Purnia	60	50	20	110	35	35	130	60	50	160	60	60
29	Rohtas	100	30	20	120	35	40	130	60	55	160	60	50
30	Saharsa	60	50	20	60	30	20	105	60	60	160	60	50
31	Samastipur	95	35	20	120	40	45	150	60	60	160	60	50
32	Saran	80	30	20	120	40	45	150	60	60	140	60	50
33	Sheikhpura	100	50	25	65	30	20	150	60	50	90	60	50
34	Sheohar	60	45	20	120	40	40	130	60	55	155	60	50
35	Sitamarhi	60	30	20	90	30	25	150	60	55	160	60	50
36	Siwan	95	50	35	120	30	35	130	60	50	95	60	50
37	Supaul	60	30	20	60	30	25	115	60	55	160	60	60
38	Vaishali	85	30	20	120	35	35	150	60	55	105	60	50

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 33 kg N, 5 kg P_2O_5 and 6 kg K_2O can be reduced.*

State: Chhattisgarh

All values in kg/ha

S. No.	District	Rice (Earlier: 90: 60: 60)			Wheat (Earlier: 120: 60: 40)			Kharif Maize (Earlier: 120: 60: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Balod	70	35	20	70	30	20	70	30	30
2	Baloda Bazar	70	35	20	80	30	20	90	30	30
3	Balrampur	70	35	20	50	25	20	65	35	30
4	Bastar	70	35	25	65	25	35	115	30	60
5	Bemetara	70	35	20	70	30	20	60	30	20
6	Bijapur	70	35	20	50	30	20	65	30	40
7	Bilaspur	70	35	20	50	30	20	60	30	20
8	Dantewada	70	35	20	95	25	35	60	30	40
9	Dhamtari	70	35	25	75	25	30	150	55	60
10	Durg	70	35	20	50	30	20	60	30	20
11	Gariyaband	70	35	20	75	30	20	60	30	20
12	Gaurella Pendra Marwahi	70	35	30	70	30	25	60	30	20
13	Janjgir-Champa	70	35	35	95	25	40	75	30	50
14	Jashpur	70	35	20	50	30	20	60	30	20
15	Kabirdham	70	35	20	50	30	20	60	30	20
16	Kanker	70	35	20	75	25	25	80	30	35
17	Khairgarh Chhuikhadan Gandai	70	35	20	75	25	30	150	70	60
18	Kondagaon	70	35	20	75	30	35	100	30	60
19	Korba	70	35	20	50	30	20	60	30	20
20	Korea	70	35	20	50	30	20	60	30	40
21	Mahasamund	70	35	20	60	30	20	60	30	20
22	Manendragarh Chirimiri Bharatpur	70	35	20	55	30	25	60	30	40
23	Mohla Manpur Ambagarh Chouki	70	35	20	50	25	20	90	30	30
24	Mungeli	70	35	20	85	25	25	60	30	20

25	Narayanpur	70	35	20	150	65	65	65	30	45
26	Raigarh	70	35	30	75	30	35	60	30	55
27	Raipur	70	35	40	90	25	35	75	30	55
28	Rajnandgaon	70	35	20	70	25	30	95	30	60
29	Sakti	70	35	30	95	25	40	75	30	50
30	Sarangarh Bilaigarh	70	35	20	75	30	20	60	30	20
31	Sukma	70	35	30	50	30	20	85	30	55
32	Surajpur	70	35	20	60	25	25	60	30	40
33	Surguja	70	35	25	105	25	40	60	30	40

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 9 kg N, 4 kg P_2O_5 and 3 kg K_2O can be reduced.*

Note (Wheat): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 12 kg N, 4 kg P_2O_5 and 4 kg K_2O can be reduced.*

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State: Delhi

All values in kg/ha

S. No.	District	Rice *(Earlier: 120: 60: 40)*			Wheat *(Earlier: 150: 60: 50)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	All Districts	90	30	20	100	30	30

State: Goa

All values in kg/ha

S. No.	District		Rice		
			N	P_2O_5	K_2O
1	North Goa		70	20	55
2	South Goa		50	20	45

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State: Gujarat

All values in kg/ha

S. No.	District	Rice (Earlier: 100: 30: 0)			Wheat (Earlier: 50: 50: 0)			Sugarcane (Earlier: 175: 75: 75)			Kharif Maize (Earlier: 120: 60: 40)			Rabi Maize (Earlier: 120: 60: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Ahmadabad	50	30	20	50	30	20	190	50	60	60	30	20	70	30	20
2	Amreli	50	30	25	50	25	20	170	55	60	60	30	20	70	30	20
3	Anand	50	30	25	50	30	20	180	45	60	60	30	20	70	30	20
4	Arvalli	50	30	20	50	30	20	195	50	60	60	30	20	70	30	20
5	Banas Kantha	50	30	20	50	30	20	200	45	60	60	30	20	70	30	20
6	Bharuch	65	30	20	50	30	20	155	60	60	60	30	20	70	30	20
7	Bhavnagar	50	30	25	70	30	20	175	60	50	60	30	20	70	30	20
8	Botad	55	30	20	60	35	20	185	70	55	60	30	20	70	30	20
9	Chhotaudepur	50	30	20	50	30	20	160	75	60	60	30	20	70	30	20
10	Dang	50	30	20	50	35	60	120	60	60	60	30	20	70	30	30
11	Devbhumi Dwarka	70	30	20	50	30	20	120	45	60	60	30	20	70	30	25
12	Dohad	50	30	20	50	30	20	175	55	60	60	30	20	70	30	30
13	Gandhinagar	50	30	20	60	30	20	200	45	60	60	30	20	70	30	20
14	Gir Somnath	50	30	20	50	50	60	225	105	60	60	30	20	70	30	35
15	Jamnagar	50	30	20	50	25	60	140	50	60	60	30	20	70	30	25
16	Junagadh	85	30	20	65	25	20	165	50	60	60	30	20	70	30	20
17	Kachchh	50	30	20	50	30	20	165	55	60	60	30	20	70	30	20
18	Kheda	50	30	20	50	30	20	195	50	60	60	30	20	70	30	20
19	Mahesana	75	30	20	50	25	50	195	60	60	60	30	20	70	30	30
20	Mahisagar	50	30	20	50	30	20	175	60	60	60	30	20	70	30	20
21	Morbi	50	30	20	50	30	20	135	45	60	60	30	20	70	30	20
22	Narmada	50	30	20	50	30	20	175	70	60	60	30	20	70	30	20
23	Navsari	50	30	25	50	30	20	145	35	50	60	30	20	70	30	20
24	Panch Mahals	50	30	25	50	30	30	120	55	60	60	30	20	70	30	20

25	Patan	50	30	20	50	30	20	200	50	60	60	30	20	70	30	20
26	Porbandar	50	30	20	50	25	20	185	60	55	60	30	20	70	30	20
27	Rajkot	65	30	20	85	25	20	250	70	60	60	30	20	70	30	20
28	Sabar Kantha	50	30	25	50	30	20	200	45	60	60	30	20	70	30	20
29	Surat	55	30	20	50	30	20	180	50	60	60	30	20	70	30	20
30	Surendranagar	50	30	20	50	30	20	170	55	60	60	30	20	70	30	20
31	Tapi	50	30	20	50	30	20	225	65	60	60	30	20	70	30	20
32	Vadodara	70	30	20	50	30	20	135	45	50	60	30	20	70	30	20
33	Valsad	50	30	20	50	30	20	120	40	60	60	30	20	70	30	20

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State: Haryana

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 30: 30)			Wheat (Earlier: 120: 60: 30)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Ambala	110	40	20	125	40	20
2	Bhiwani	90	35	20	130	40	20
3	Charki Dadri	65	30	20	120	40	20
4	Fatehabad	110	35	20	130	40	20
5	Hisar	70	30	20	130	40	20
6	Jhajjar	65	30	20	125	40	20
7	Jind	70	30	20	130	50	20
8	Kaithal	100	35	20	130	40	20
9	Karnal	110	35	20	130	40	20
10	Kurukshetra	115	45	20	95	40	20
11	Mahendragarh	90	35	20	120	40	20
12	Nuh	60	30	20	105	40	20
13	Palwal	60	30	20	115	40	20
14	Panchkula	100	35	20	75	40	20
15	Panipat	85	30	20	130	40	20
16	Rewari	60	30	20	110	40	20
17	Rohtak	60	30	20	115	40	20
18	Sirsa	80	35	20	130	55	20
19	Sonipat	60	30	20	115	50	20
20	Yamunanagar	125	45	20	130	40	20

The cells showing - means the data are not available

State: Himachal Pradesh

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 30)			Wheat (Earlier: 120: 60: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Bilaspur	120	40	20	60	30	20
2	Chamba	85	30	20	65	50	20
3	Hamirpur	85	30	20	60	30	20
4	Kangra	120	40	20	60	40	20
5	Kinnaur	90	30	20	60	30	20
6	Kullu	120	35	20	60	30	20
7	Lahul And Spiti	120	30	20	60	30	20
8	Mandi	120	50	20	60	30	20
9	Shimla	120	45	20	60	30	20
10	Sirmaur	120	30	20	55	50	20
11	Solan	120	30	20	60	40	20
12	Una	120	50	20	70	50	20

Note (Wheat): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 20 kg N, 10 kg P_2O_5 and 10 kg K_2O can be reduced.*

The cells showing - means the data are not available

State: Jammu & Kashmir

All values in kg/ha

S. No.	District	Rice *(Earlier: 120: 60: 30)*			Wheat *(Earlier: 150: 50: 25)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Anantnag	60	30	20	50	50	20
2	Bandipora	60	30	20	60	50	20
3	Baramulla	60	30	20	65	50	20
4	Budgam	60	30	20	75	50	20
5	Doda	60	30	20	95	50	20
6	Ganderbal	60	30	20	50	50	20
7	Jammu	60	30	20	100	50	20
8	Kathua	60	30	20	70	50	20
9	Kishtwar	60	30	20	50	30	20
10	Kulgam	60	30	20	60	50	20
11	Kupwara	60	30	20	55	50	20
12	Poonch	60	30	20	50	30	20
13	Pulwama	60	30	20	100	50	20
14	Rajouri	60	30	20	50	50	20
15	Ramban	60	30	20	50	30	20
16	Reasi	60	30	20	50	50	20
17	Samba	60	30	20	90	50	20
18	Shopian	60	30	20	50	50	20
19	Srinagar	60	30	20	50	50	20
20	Udhampur	60	30	20	50	50	20

The cells showing - means the data are not available

State: Jharkhand

All values in kg/ha

S. No.	District	Rice (Earlier: 100: 60: 60)			Wheat (Earlier: 100: 40: 20)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Bokaro	60	30	25	60	30	20
2	Chatra	60	30	40	60	30	20
3	Deoghar	60	40	50	60	30	20
4	Dhanbad	60	30	35	60	30	20
5	Dumka	60	30	30	60	30	20
6	East Singhbum	60	30	30	60	30	20
7	Garhwa	60	30	25	65	30	20
8	Giridih	60	35	45	60	30	20
9	Godda	60	35	45	60	30	20
10	Gumla	60	30	30	60	30	20
11	Hazaribagh	60	30	20	60	30	20
12	Jamtara	60	30	20	60	30	20
13	Khunti	60	30	40	60	30	20
14	Koderma	60	30	35	60	30	20
15	Latehar	60	30	20	60	30	20
16	Lohardaga	60	30	30	65	30	20
17	Pakur	60	30	25	60	30	20
18	Palamu	60	30	30	60	30	20
19	Ramgarh	60	30	25	60	30	20
20	Ranchi	60	30	30	60	30	20
21	Sahebganj	60	30	40	60	30	20
22	Saraikela Kharsawan	60	30	30	80	45	20
23	Simdega	60	30	30	60	30	20
24	West Singhbhum	60	30	25	60	30	20

State: Karnataka

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 40)			Sugarcane (Earlier: 250: 75: 190)			Kharif Maize (Earlier: 150: 75: 40)			Rabi Maize (Earlier: 150: 75: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Bagalkote	60	30	25	175	50	80	120	50	60	120	50	50
2	Ballari	60	35	50	260	85	120	120	50	60	120	50	50
3	Belagavi	60	35	55	350	95	120	120	50	60	120	50	50
4	Bengaluru Rural	65	30	50	325	65	120	120	50	60	120	50	50
5	Bengaluru Urban	65	30	50	335	70	120	135	50	60	120	50	50
6	Bidar	60	35	20	190	75	80	120	50	60	120	50	50
7	Chamarajanagara	60	20	35	130	50	90	120	50	60	120	50	50
8	Chikkaballapura	65	30	45	330	55	120	120	50	60	145	50	50
9	Chikkamagaluru	60	30	45	300	60	120	120	50	60	120	50	50
10	Chitradurga	60	20	30	305	50	115	120	50	60	120	50	50
11	Dakshina Kannada	60	30	45	315	75	115	120	50	60	120	50	50
12	Davangere	60	30	20	350	90	100	120	50	60	120	50	50
13	Dharwad	60	35	20	190	65	80	120	50	60	120	50	50
14	Gadag	60	35	20	120	50	80	120	50	60	120	50	50
15	Hassan	60	30	45	305	75	120	120	50	60	120	50	50
16	Haveri	60	35	50	120	50	80	120	50	60	120	50	50
17	Kalaburagi	85	40	30	265	50	80	120	50	60	120	50	50
18	Kodagu	60	30	25	235	60	80	120	50	60	120	50	50
19	Kolar	65	30	50	320	60	120	120	50	60	120	50	50
20	Koppal	50	30	20	120	50	80	120	50	60	120	50	50
21	Mandya	60	30	50	350	105	120	120	50	60	120	50	50
22	Mysuru	65	30	45	350	115	120	120	50	60	120	50	50
23	Raichur	65	35	50	330	90	120	175	50	60	120	50	50
24	Ramanagara	60	30	50	120	50	80	120	50	60	120	50	50

25	Shivamogga	60	30	20	350	120	120	120	50	60	120	50	50
26	Tumakuru	60	30	40	240	50	100	120	50	60	120	50	50
27	Udupi	60	30	45	245	70	120	120	50	60	120	50	50
28	Uttara Kannada	60	35	50	205	50	100	120	50	60	120	50	50
29	Vijayanagar	60	35	55	120	50	95	120	50	60	120	50	50
30	Vijayapura	65	30	20	345	60	80	120	50	60	120	50	50
31	Yadgir	60	30	20	300	60	80	120	50	60	120	50	50

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 18 kg N, 6 kg P_2O_5 and 11 kg K_2O can be reduced.*

The cells showing - means the data are not available

State: Kerala

All values in kg/ha

S. No.	District	Rice (Earlier: 90: 45: 45)		
		N	P_2O_5	K_2O
1	Alappuzha	85	30	40
2	Ernakulam	50	30	20
3	Idukki	50	30	20
4	Kannur	50	30	25
5	Kasaragod	55	30	20
6	Kollam	55	30	25
7	Kottayam	90	30	45
8	Kozhikode	50	30	20
9	Malappuram	50	30	20
10	Palakkad	70	30	20
11	Pathanamthitta	50	30	20
12	Thiruvananthapuram	60	30	20
13	Thrissur	50	30	20

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 5 kg N, 2 kg P_2O_5 and 5 kg K_2O can be reduced.*

State: Madhya Pradesh

All values in kg/ha

1	District	Rice (Earlier: 120: 60: 40)			Wheat (Earlier: 120: 60: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Agar Malwa	60	45	20	70	30	20
2	Alirajpur	60	30	20	50	30	20
3	Anuppur	60	30	20	50	30	20
4	Ashoknagar	60	50	25	80	30	40
5	Balaghat	60	65	20	50	30	20
6	Barwani	60	55	20	75	30	40
7	Betul	60	30	25	80	30	35
8	Bhind	95	30	20	120	50	25
9	Bhopal	60	30	20	75	30	20
10	Burhanpur	60	60	20	60	30	20
11	Chhatarpur	60	30	20	60	30	20
12	Chhindwara	60	30	20	65	30	40
13	Damoh	60	30	30	65	30	30
14	Datia	60	30	20	80	30	35
15	Dewas	60	40	20	80	30	50
16	Dhar	60	40	20	80	40	55
17	Dindori	60	30	20	50	30	20
18	Guna	60	30	25	100	35	60
19	Gwalior	80	40	30	100	30	50
20	Harda	60	30	20	100	30	55
21	Indore	60	65	20	120	50	20
22	Jabalpur	60	30	20	100	30	20
23	Jhabua	60	30	20	50	30	25
24	Katni	60	60	20	85	40	20
25	Khandwa (East Nimar)	60	35	20	60	30	20

26	Khargon(West Nimar)	60	30	20	110	50	30
27	Maihar	65	40	25	65	30	20
28	Mandla	60	30	20	50	30	20
29	Mandsaur	60	50	20	105	50	55
30	Mauganj	60	60	20	60	30	35
31	Morena	60	30	25	105	30	55
32	Narmadapuram	65	30	20	115	50	30
33	Narsinghpur	65	30	20	90	30	20
34	Neemuch	60	30	20	60	50	20
35	Niwari	60	50	20	50	30	25
36	Pandhurna	60	30	20	80	30	40
37	Panna	60	30	20	70	30	40
38	Raisen	60	65	20	90	35	20
39	Rajgarh	60	30	20	95	30	20
40	Ratlam	60	30	20	105	45	20
41	Rewa	80	75	20	70	30	40
42	Sagar	60	30	20	65	50	40
43	Satna	65	60	20	80	30	20
44	Sehore	60	60	20	95	50	20
45	Seoni	60	30	20	85	30	20
46	Shahdol	60	55	20	50	35	20
47	Shajapur	60	30	20	95	30	55
48	Sheopur	60	70	35	115	50	55
49	Shivpuri	60	30	30	75	30	50
50	Sidhi	60	30	25	50	30	25
51	Singrauli	60	45	35	50	30	35
52	Tikamgarh	60	30	20	60	30	20
53	Ujjain	60	30	20	110	30	20
54	Umaria	60	30	20	50	30	30
55	Vidisha	60	30	20	80	30	40

State: Maharashtra

All values in kg/ha

S. No.	District	Rice *(Earlier: 100: 50: 50)*			Wheat *(Earlier: 100: 50: 50)*			Sugarcane *(Earlier: 340: 170: 170)*			Kharif Maize *(Earlier: 120: 60: 40)*			Rabi Maize *(Earlier: 120: 60: 40)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Ahilyanagar	110	30	60	50	30	20	285	100	100	80	30	35	100	35	45
2	Akola**	75	40	50	50	30	20	-	-	-	-	-	-	-	-	-
3	Amravati	50	30	20	50	30	20	100	60	60	80	60	30	100	35	30
4	Beed**	60	30	40	50	30	20	-	-	-	-	-	-	-	-	-
5	Bhandara	75	50	45	50	30	20	100	60	60	80	40	30	100	40	30
6	Buldhana**	60	30	40	50	30	20	-	-	-	-	-	-	-	-	-
7	Chandrapur	50	30	50	50	30	20	100	60	70	80	30	35	100	30	35
8	Chhatrapati** Sambhajinagar	75	40	50	110	40	20	-	-	-	-	-	-	-	-	-
9	Dharashiv	50	30	20	50	30	20	100	80	60	80	30	30	100	30	30
10	Dhule	50	30	25	50	30	20	235	100	60	80	55	30	100	45	30
11	Gadchiroli	75	50	60	50	30	20	150	100	100	80	60	50	100	40	40
12	Gondia	85	30	60	50	30	20	100	60	75	80	55	50	100	30	35
13	Hingoli**	75	40	40	50	30	20	-	-	-	-	-	-	-	-	-
14	Jalgaon**	75	40	40	50	30	20	-	-	-	-	-	-	-	-	-
15	Jalna**	75	40	40	50	30	20	-	-	-	-	-	-	-	-	-
16	Kolhapur	130	50	60	50	30	20	130	80	60	80	45	30	100	70	60
17	Latur	50	30	20	50	30	20	230	100	60	80	30	30	100	35	30
18	Nagpur	65	30	40	50	30	20	100	60	60	80	55	30	100	30	30
19	Nanded	50	30	20	50	30	20	100	60	60	80	30	30	100	55	30
20	Nandurbar	50	30	40	50	30	50	175	100	100	80	50	50	100	65	60
21	Nashik	50	30	45	50	30	20	185	100	60	120	60	50	125	70	60
22	Palghar	90	30	60	50	30	20	135	60	100	80	30	40	100	40	60
23	Parbhani**	105	50	60	50	30	20	-	-	-	-	-	-	-	-	-
24	Pune	125	50	60	50	30	20	300	100	85	100	60	50	170	70	60

25	Raigad	70	30	60	-	-	-	100	75	60	80	30	30	100	45	30
26	Ratnagiri	75	35	60	-	-	-	100	85	60	80	30	30	100	45	30
27	Sangli	85	30	55	50	30	20	300	100	85	80	50	30	100	55	35
28	Satara	50	30	30	50	30	20	260	100	90	80	35	30	100	30	30
29	Sindhudurg	105	50	60	-	-	-	125	90	60	80	30	30	100	50	30
30	Solapur**	60	30	20	50	30	20	-	-	-	-	-	-	-	-	-
31	Thane	50	30	35	-	-	-	155	80	60	80	30	30	100	45	30
32	Wardha**	100	50	50	50	30	20	-	-	-	-	-	-	-	-	-
33	Washim**	75	40	50	50	30	20	-	-	-	-	-	-	-	-	-
34	Yavatmal**	75	40	50	50	30	20	-	-	-	-	-	-	-	-	-

Note (Wheat): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 20 kg N, 5 kg P_2O_5 and 10 kg K_2O can be reduced.*

*The cells showing - means the data are not available, ** The data of rice are not a part of nutrient balance computation*

State: Manipur

All values in kg/ha

S. No.	District	Rice *(Earlier: 80: 40: 40)*		
		N	P_2O_5	K_2O
1	Bishnupur	60	30	20
2	Chandel	60	30	20
3	Churachandpur	60	30	20
4	Imphal East	60	30	20
5	Imphal West	60	30	20
6	Senapati	60	30	20
7	Tamenglong	60	30	20
8	Thoubal	60	30	45
9	Ukhrul	60	30	20

The cells showing - means the data are not available

State: Meghalaya

All values in kg/ha

S. No.	District	Rice *(Earlier: 80: 40: 40)*		
		N	P_2O_5	K_2O
1	East Garo Hills	60	30	25
2	East Jaintia Hills	60	30	30
3	East Khasi Hills	60	30	25
4	Eastern West Khasi Hills	60	30	20
5	North Garo Hills	60	30	20
6	Ri Bhoi	60	30	20
7	South Garo Hills	60	30	30
8	South West Garo Hills	60	30	20
9	South West Khasi Hills	60	30	25
10	West Garo Hills	60	30	20
11	West Jaintia Hills	60	30	35
12	West Khasi Hills	60	30	40

State: Mizoram

All values in kg/ha

S. No.	District	Rice *(Earlier: 80: 40: 40)*		
		N	P_2O_5	K_2O
1	Aizawl	50	30	20
2	Champhai	75	30	50
3	Hnahthial	50	30	20
4	Khawzawl	50	30	20
5	Kolasib	50	30	30
6	Lawngtlai	50	30	25
7	Lunglei	50	30	20
8	Mamit	50	30	20
9	Saiha	50	30	20
10	Saitual	50	30	25
11	Serchhip	55	30	35

State: Nagaland

All values in kg/ha

S. No.	District	Rice (Earlier: 80: 40: 40)		
		N	P_2O_5	K_2O
1	Chumoukedima	50	30	20
2	Dimapur	65	30	20
3	Kiphire	50	30	30
4	Kohima	80	30	50
5	Longleng	50	30	35
6	Mokokchung	50	30	30
7	Mon	50	30	20
8	Noklak	50	30	25
9	Nuiland	70	30	60
10	Peren	75	30	50
11	Phek	55	30	50
12	Shamator	50	30	30
13	Tseminyu	50	30	20
14	Tuensang	60	30	20
15	Wokha	50	30	55
16	Zunheboto	50	30	20

The cells showing - means the data are not available

State: Odisha

All values in kg/ha

S. No.	District	Rice *(Earlier: 120: 60: 40)*		
		N	P_2O_5	K_2O
1	Anugul	70	30	20
2	Balangir	50	30	20
3	Baleshwar	80	30	20
4	Bargarh	50	30	20
5	Bhadrak	50	30	20
6	Boudh	60	30	20
7	Cuttack	50	30	20
8	Deogarh	60	50	20
9	Dhenkanal	90	30	20
10	Gajapati	50	30	20
11	Ganjam	50	30	20
12	Jagatsinghapur	50	30	20
13	Jajapur	50	30	20
14	Jharsuguda	60	30	20
15	Kalahandi	50	30	20
16	Kandhamal	50	30	20
17	Kendrapara	50	30	20
18	Kendujhar	65	40	20
19	Khordha	50	30	20
20	Koraput	50	45	20
21	Malkangiri	50	30	20
22	Mayurbhanj	50	40	20
23	Nabarangpur	60	30	20
24	Nayagarh	50	30	20

25	Nuapada	50	30	20
26	Puri	55	30	20
27	Rayagada	50	45	20
28	Sambalpur	50	30	20
29	Sonepur	60	30	20
30	Sundargarh	50	30	20

State: Puducherry

All values in kg/ha

S. No.	District	Rice *(Earlier: 150: 50: 50)*		
		N	**P_2O_5**	**K_2O**
1	Karaikal	75	30	20
2	Pondicherry	105	40	20

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 20 kg N, 10 kg P_2O_5 and 20 kg K_2O can be reduced.*

State: Punjab

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 30: 30)			Wheat (Earlier: 120: 60: 30)			Sugarcane (Earlier: 150: 60: 60)			Kharif Maize (Earlier: 100: 50: 25)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Amritsar	75	30	30	100	60	35	180	40	40	120	50	50
2	Barnala	120	30	30	-	-	-	180	50	40	120	50	50
3	Bathinda	115	30	30	60	40	35	180	30	40	120	50	50
4	Faridkot	115	30	30	75	30	35	180	30	40	105	50	50
5	Fatehgarh Sahib	120	30	30	75	40	40	180	30	40	120	50	50
6	Fazilka	75	30	30	80	30	35	180	30	40	120	50	50
7	Ferozepur	120	30	30	70	40	35	120	30	40	105	50	50
8	Gurdaspur	100	30	30	50	30	30	180	30	40	105	50	50
9	Hoshiarpur	110	30	30	50	30	25	180	30	40	120	50	50
10	Jalandhar	120	30	30	55	30	35	180	30	40	120	50	50
11	Kapurthala	120	30	30	95	30	35	180	30	40	65	50	35
12	Ludhiana	120	30	30	95	30	35	180	30	40	60	50	35
13	Malerkotla	120	30	30	120	35	40	180	30	40	120	50	50
14	Mansa	115	30	30	75	30	40	180	30	40	120	50	50
15	Moga	120	30	30	90	30	35	180	30	40	120	50	50
16	Pathankot	90	30	30	50	45	30	180	45	40	65	50	40
17	Patiala	120	30	30	90	35	35	180	30	40	65	50	40
18	Rupnagar	110	30	30	55	55	35	180	40	40	120	50	50
19	S.A.S Nagar	100	30	30	60	30	30	180	30	40	75	50	45
20	Sangrur	120	30	30	125	40	40	180	30	40	120	50	50
21	Shahid Bhagat Singh Nagar	120	30	30	85	35	40	180	30	40	120	50	50
22	Sri Muktsar Sahib	105	30	30	85	50	35	180	30	40	120	50	50
23	Tarn Taran	120	30	30	85	35	35	180	35	40	120	50	50

Note (Kharif Maize): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 20 kg N, 7 kg P_2O_5 and 10 kg K_2O can be reduced.*

The cells showing - means the data are not available

State: Rajasthan

All values in kg/ha

S. No.	District	Rice *(Earlier: 90: 60: 60)*			Wheat *(Earlier: 90: 30: 0)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Ajmer	50	30	20	75	30	20
2	Alwar	50	30	35	120	40	30
3	Anoopgarh	50	30	20	90	30	20
4	Balotra	50	30	20	90	30	20
5	Banswara	50	30	20	50	30	20
6	Baran	50	30	20	120	40	25
7	Barmer	50	30	20	50	30	20
8	Beawar	50	30	20	90	30	20
9	Bharatpur	50	30	20	120	40	30
10	Bhilwara	50	30	20	105	30	20
11	Bikaner	50	30	20	50	30	20
12	Bundi	50	30	20	120	40	20
13	Chittorgarh	50	30	20	120	50	30
14	Churu	50	30	20	50	45	30
15	Dausa	50	30	20	120	30	30
16	Deeg	50	30	25	90	30	30
17	Dholpur	50	30	20	120	40	30
18	Didwana Kuchaman	50	30	20	50	30	20
19	Dudu	50	30	20	90	30	20
20	Dungarpur	50	30	20	90	30	30
21	Ganganagar	50	30	20	50	30	20
22	Gangapurcity	60	30	20	120	50	30
23	Hanumangarh	85	30	20	120	50	20
24	Jaipur	50	30	20	105	30	30
25	Jaipur Gramin	50	30	20	90	30	30
26	Jaisalmer	50	30	20	50	30	20
27	Jalore	50	30	20	50	30	20
28	Jhalawar	50	30	20	120	30	20

29	Jhunjhunu	50	30	20	65	30	20
30	Jodhpur	50	30	20	50	30	20
31	Jodhpur Gramin	50	30	20	90	30	20
32	Karauli	50	30	20	120	35	20
33	Kekri	50	30	20	90	30	20
34	Khairthal-Tijara	50	30	25	90	30	30
35	Kota	50	30	20	90	30	20
36	Kotputli-Behror	50	30	45	120	35	30
37	Nagaur	50	30	20	50	30	20
38	Neem Ka Thana	50	30	20	90	30	20
39	Pali	50	30	20	90	30	20
40	Phalodi	50	30	20	50	30	30
41	Pratapgarh	50	30	20	120	30	20
42	Rajsamand	50	30	20	70	30	20
43	Salumbar	50	30	25	90	45	30
44	Sanchor	50	30	20	90	30	30
45	Sawai Madhopur	50	30	20	105	30	30
46	Shahpura	50	30	20	90	30	20
47	Sikar	50	30	20	85	30	20
48	Sirohi	50	30	20	70	30	20
49	Tonk	50	30	20	85	30	20
50	Udaipur	50	30	20	50	30	30

The cells showing - means the data are not available

State: Sikkim

All values in kg/ha

S. No.	District	Rice *(Earlier: 80: 40: 40)*		
		N	P_2O_5	K_2O
1	Gangtok	50	30	20
2	Gyalshing	50	30	20
3	Mangan	50	30	20
4	Namchi	50	30	20

5	Pakyong	50	30	20
6	Soreng	50	30	20

The cells showing - means the data are not available

State: Tamil Nadu

All values in kg/ha

S. No.	District	Kharif Rice *(Earlier: 120: 60: 60)*			Sugarcane *(Earlier: 225: 60: 120)*			Kharif Maize *(Earlier: 250: 75: 75)*			Rabi Maize *(Earlier: 250: 75: 75)*			Rice-Rabi *(Earlier: 150: 60: 60)*		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Ariyalur	110	30	55	180	50	60	125	60	75	110	55	60	120	30	60
2	Chengalpattu	120	35	60	235	50	95	160	80	80	110	60	60	120	30	60
3	Coimbatore	110	35	20	275	75	60	165	80	60	110	60	40	115	30	20
4	Cuddalore	95	30	45	275	70	110	105	50	65	110	50	60	95	30	45
5	Dharmapuri	125	30	60	275	80	110	105	50	65	110	50	60	125	30	60
6	Dindigul	125	40	20	275	80	60	160	80	60	165	90	55	110	30	20
7	Erode	125	40	20	275	75	60	180	80	60	235	90	60	130	35	20
8	Kallakurichi	110	30	20	275	65	60	160	75	60	190	90	60	115	30	20
9	Kanchipuram	100	30	45	275	75	110	140	70	80	115	55	60	60	30	20
10	Kanniyakumari	100	30	50	275	50	110	140	55	80	115	50	60	110	30	55
11	Karur	110	30	20	275	75	60	165	80	60	110	60	40	110	30	20
12	Krishnagiri	130	30	60	275	65	110	180	80	80	110	50	60	130	30	60
13	Madurai	110	30	20	145	50	60	100	50	60	110	55	40	120	30	20
14	Mayiladuthurai	80	30	30	275	60	110	175	80	80	115	55	60	70	30	30
15	Nagapattinam	80	30	35	275	50	95	140	60	80	115	50	60	80	30	30
16	Namakkal	130	45	20	275	70	60	165	80	60	115	55	40	130	45	20
17	Perambalur	115	50	20	275	85	60	180	80	80	110	75	40	120	50	20
18	Pudukkottai	90	30	45	275	70	110	165	80	80	110	55	60	95	30	45
19	Ramanathapuram	60	30	20	275	65	60	165	80	60	110	55	40	60	30	20
20	Ranipet	120	30	60	270	50	110	170	75	80	105	50	60	110	30	60
21	Salem	120	30	20	275	80	60	175	80	60	185	90	60	125	30	20
22	Sivaganga	60	30	20	275	70	60	160	80	60	115	60	40	60	30	20
23	Tenkasi	100	30	20	230	50	60	165	65	60	100	50	40	105	30	20
24	Thanjavur	100	30	50	275	70	110	165	80	80	110	60	60	105	30	50
25	The Nilgiris	90	30	20	270	50	60	100	50	60	135	60	50	85	30	20

26	Theni	100	30	20	255	50	60	165	75	60	110	50	40	85	30	20
27	Thiruvallur	105	30	50	275	65	110	165	75	80	100	50	50	95	30	40
28	Thiruvarur	85	30	20	275	55	60	165	70	60	115	50	40	85	30	20
29	Tiruchirappalli	100	30	20	140	50	60	180	80	65	110	55	40	105	30	20
30	Tirunelveli	115	30	55	275	65	110	160	80	80	105	55	60	130	30	60
31	Tirupathur	130	30	60	275	60	110	165	75	80	110	50	60	130	30	60
32	Tiruppur	130	40	20	275	85	60	180	80	65	205	90	60	130	40	20
33	Tiruvannamalai	105	30	55	275	50	110	165	80	80	110	55	60	90	30	45
34	Tuticorin	105	30	20	275	65	60	180	80	75	100	50	40	105	30	20
35	Vellore	105	50	50	275	90	110	165	80	80	110	75	60	85	35	40
36	Villupuram	100	30	45	275	65	110	165	75	80	110	50	60	110	30	50
37	Virudhunagar	85	30	20	270	60	60	100	50	60	105	60	40	85	30	20

Note (Sugarcane): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 25 kg N, 13 kg P_2O_5 and 25 kg K_2O can be reduced.*

Note (Kharif Maize, Rabi Maize): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 25 kg N, 8 kg P_2O_5 and 20 kg K_2O can be reduced.*

State: Telangana

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 40)			Kharif Maize (Earlier: 100: 50: 40)			Rabi Maize (Earlier: 240: 80: 80)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Adilabad	50	50	20	120	50	50	200	65	60
2	Bhadradri Kothagudem	110	50	30	120	55	50	200	70	60
3	Hanumakonda	50	50	20	120	60	50	200	70	60
4	Jagitial	70	50	60	120	60	50	200	70	60
5	Jangoan	55	45	20	120	55	50	200	65	60
6	Jayashankar Bhupalapally	70	50	20	120	50	50	200	70	60
7	Jogulamba Gadwal	70	50	25	120	45	50	140	40	50
8	Kamareddy	130	50	60	120	50	50	200	70	60
9	Karimnagar	115	50	20	120	50	50	200	65	60
10	Khammam	90	50	20	120	55	50	200	70	60
11	Kumuram Bheem Asifabad	50	50	20	120	50	50	200	55	60
12	Mahabubabad	65	50	20	120	45	45	200	70	60
13	Mahabubnagar	120	50	50	110	40	45	200	70	60
14	Mancherial	55	50	20	120	50	50	200	65	60
15	Medak	130	50	20	75	40	20	200	60	60
16	Medchal Malkajgiri	50	50	20	60	40	20	150	70	60
17	Mulugu	50	45	20	105	40	30	200	70	60
18	Nagarkurnool	90	50	20	120	45	50	200	60	60
19	Nalgonda	70	50	45	120	50	50	200	70	60
20	Narayanpet	115	50	20	120	50	50	200	70	60
21	Nirmal	95	50	20	120	50	50	200	70	60
22	Nizamabad	130	50	20	120	60	50	200	70	60
23	Peddapalli	110	50	20	120	60	50	200	70	60
24	Rajanna Sircilla	130	50	20	120	60	50	200	70	60

25	Ranga Reddy	55	50	40	115	40	50	200	70	60
26	Sangareddy	130	50	20	120	45	40	145	40	35
27	Siddipet	130	50	20	120	55	50	200	55	60
28	Suryapet	50	50	55	120	50	50	200	70	60
29	Vikarabad	80	50	20	120	45	45	155	40	40
30	Wanaparthy	90	50	35	120	55	50	200	70	60
31	Warangal	85	50	20	120	60	50	200	70	60
32	Yadadri Bhuvanagiri	70	50	45	120	50	50	200	70	60

Note (Kharif Maize, Rabi Maize): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 25 kg N, 5 kg P_2O_5 and 20 kg K_2O can be reduced.*

State: Tripura

All values in kg/ha

S. No.	District	Rice (Earlier: 80: 40: 40)		
		N	P_2O_5	K_2O
1	Dhalai	50	30	20
2	Gomati	50	30	20
3	Khowai	50	30	20
4	North Tripura	50	30	20
5	Sepahijala	50	30	20
6	South Tripura	50	30	20
7	Unakoti	50	30	20
8	West Tripura	50	30	20

State: Uttar Pradesh

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 60)			Wheat (Earlier: 120: 60: 40)			Sugarcane (Earlier: 180: 60: 40)			Kharif Maize (Earlier: 120: 60: 40)			Rabi Maize (Earlier: 120: 60: 40)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Agra	95	40	20	120	40	20	230	55	30	70	45	30	60	45	30
2	Aligarh	75	40	40	100	70	50	230	55	70	70	45	50	120	55	60
3	Ambedkar Nagar	115	50	50	50	30	20	230	55	70	60	45	30	120	45	60
4	Amethi	95	40	45	75	30	20	230	55	70	60	45	30	60	45	30
5	Amroha	85	35	30	55	30	20	230	55	70	95	45	45	60	45	30
6	Auraiya	110	45	45	110	35	35	230	55	70	125	45	60	125	45	60
7	Ayodhya	105	50	50	115	65	45	230	55	70	125	50	70	125	45	60
8	Azamgarh	80	35	25	90	30	20	185	55	60	60	45	30	125	45	60
9	Baghpat	90	40	35	130	55	45	230	55	70	90	45	50	60	45	30
10	Bahraich	110	45	50	70	30	20	230	55	70	60	45	30	125	45	60
11	Ballia	80	35	30	80	30	20	170	55	55	60	45	30	120	45	60
12	Balrampur	95	40	40	60	30	20	185	55	60	60	45	30	125	45	60
13	Banda	80	35	25	75	30	20	230	55	70	60	45	30	60	45	30
14	Barabanki	100	45	45	95	35	30	230	55	70	60	45	30	125	45	60
15	Bareilly	100	45	40	110	60	35	230	55	70	80	45	40	60	45	30
16	Basti	90	35	40	80	30	20	200	55	65	70	45	40	125	45	60
17	Bhadohi	115	50	45	100	55	20	230	55	70	60	45	30	125	50	60
18	Bijnor	85	40	30	120	45	35	230	55	70	60	45	30	60	45	30
19	Budaun	90	40	40	120	50	50	230	55	70	80	45	45	125	45	60
20	Bulandshahr	90	40	35	65	30	20	230	55	70	85	45	45	60	45	30
21	Chandauli	130	55	60	65	45	20	230	55	70	110	45	55	60	45	30
22	Chitrakoot	70	30	20	95	35	20	230	55	30	80	45	30	125	45	30
23	Deoria	90	40	35	115	45	35	190	55	60	60	45	30	125	45	60
24	Etah	80	35	30	105	40	30	230	55	70	125	45	70	120	45	60

25	Etawah	95	45	50	50	30	20	190	55	70	90	45	60	75	45	55
26	Farrukhabad	125	50	55	115	45	30	205	55	65	125	45	60	125	45	60
27	Fatehpur	90	35	30	95	30	25	230	55	70	125	45	60	60	45	30
28	Firozabad	125	50	55	120	40	30	230	55	70	70	45	35	125	45	55
29	Gautam Buddha Nagar	90	40	35	95	45	30	215	55	70	75	45	45	60	45	30
30	Ghaziabad	75	40	35	80	40	30	230	55	70	60	45	45	60	45	30
31	Ghazipur	105	45	45	90	50	20	170	55	55	110	45	55	125	50	60
32	Gonda	85	40	40	70	30	20	230	55	70	60	45	30	125	45	60
33	Gorakhpur	100	45	45	95	55	30	195	55	65	60	45	30	125	45	60
34	Hamirpur	60	30	20	70	30	20	230	55	70	60	45	30	60	45	30
35	Hapur	70	35	25	105	45	35	230	55	70	75	45	45	60	45	30
36	Hardoi	95	40	40	105	30	30	230	55	70	90	45	45	125	45	60
37	Hathras	85	35	30	110	40	25	230	55	70	120	45	55	60	45	30
38	Jalaun	70	30	20	90	30	20	230	55	30	60	45	30	60	45	30
39	Jaunpur	95	40	40	105	45	30	180	55	55	110	45	55	125	45	60
40	Jhansi	65	35	20	80	50	20	230	55	30	60	45	30	60	45	30
41	Kannauj	125	50	55	110	35	30	230	55	70	125	45	65	125	45	60
42	Kanpur Dehat	110	45	45	110	40	30	230	55	70	125	45	60	125	45	60
43	Kanpur Nagar	110	45	45	105	35	30	225	55	70	105	45	50	125	45	60
44	Kasganj	90	40	35	110	45	35	230	55	70	125	45	65	110	45	55
45	Kaushambi	130	55	20	90	30	20	230	55	30	125	45	30	125	45	30
46	Kheri	115	45	50	115	40	35	230	55	70	60	45	30	125	45	60
47	Kushi Nagar	95	40	40	95	30	25	230	55	70	60	45	30	125	45	60
48	Lalitpur	50	25	20	85	40	20	225	55	30	60	45	30	60	45	30
49	Lucknow	90	40	20	75	30	20	230	55	30	60	45	30	60	45	30
50	Maharajganj	95	45	40	95	55	25	200	55	65	60	45	30	125	45	60
51	Mahoba	60	25	20	105	30	20	230	55	70	70	45	35	60	45	30
52	Mainpuri	110	45	20	110	30	20	230	55	30	70	45	30	125	45	30
53	Mathura	65	30	20	90	30	20	165	55	50	70	45	35	60	45	30
54	Mau	90	40	35	80	30	20	170	55	55	60	45	30	125	45	60

55	Meerut	75	35	30	105	50	35	230	55	70	70	45	45	120	45	60
56	Mirzapur	110	45	40	75	30	20	230	55	70	60	45	30	125	45	55
57	Moradabad	100	40	45	115	35	40	230	55	70	75	45	40	60	45	30
58	Muzaffarnagar	85	35	20	125	40	30	230	55	70	60	45	30	60	45	30
59	Pilibhit	120	50	55	120	45	45	230	55	70	80	45	45	60	45	30
60	Pratapgarh	80	35	25	75	30	20	230	55	70	125	45	60	125	45	60
61	Prayagraj	115	45	20	85	30	20	230	55	30	125	45	30	125	45	30
62	Rae Bareli	105	50	45	115	65	35	165	55	50	60	45	30	60	45	30
63	Rampur	100	40	45	115	35	40	230	55	70	125	45	60	60	45	30
64	Saharanpur	80	35	35	115	40	40	230	55	70	60	45	30	60	45	30
65	Sambhal	90	40	35	110	40	30	230	55	70	65	45	35	125	45	60
66	Sant Kabeer Nagar	95	40	40	70	30	20	230	55	70	70	45	40	125	45	60
67	Shahjahanpur	120	50	50	125	50	40	230	55	70	80	45	40	125	45	60
68	Shamli	95	40	45	150	55	65	230	55	70	60	45	30	125	45	60
69	Shravasti	105	45	45	75	30	20	230	55	70	60	45	30	125	45	60
70	Siddharth Nagar	95	40	35	110	45	30	195	55	60	70	45	35	125	45	60
71	Sitapur	105	45	45	95	40	25	230	55	70	60	45	30	125	45	60
72	Sonbhadra	80	35	25	70	30	20	230	55	70	60	45	30	125	45	60
73	Sultanpur	120	50	55	100	35	30	215	55	70	60	45	30	125	45	60
74	Unnao	65	30	20	85	30	20	230	55	30	60	45	30	60	45	30
75	Varanasi	110	45	45	85	35	20	180	55	55	110	45	55	125	45	60

Note (Wheat): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 10 kg N, 5 kg P_2O_5 and 13 kg K_2O can be reduced.*

Note (Sugarcane): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 16 kg N, 6 kg P_2O_5 and 14 kg K_2O can be reduced.*

State: Uttarakhand

All values in kg/ha

S. No.	District	Rice (Earlier: 120: 60: 30)			Wheat (Earlier: 150: 60: 0)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	Almora	60	30	20	50	30	20
2	Bageshwar	60	30	20	50	30	20
3	Chamoli	60	30	20	70	30	20
4	Champawat	60	30	20	80	35	20
5	Dehradun	60	30	20	115	50	20
6	Haridwar	60	30	20	105	45	20
7	Nainital	80	30	20	110	45	20
8	Pauri Garhwal	60	30	20	65	30	20
9	Pithoragarh	60	30	20	60	30	20
10	Rudra Prayag	60	30	20	50	30	20
11	Tehri Garhwal	60	30	20	85	35	20
12	Udam Singh Nagar	100	30	20	130	50	20
13	Uttar Kashi	60	30	20	75	35	20

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 22 kg N, 14 kg P_2O_5 and 6 kg K_2O can be reduced.*

Note (Wheat): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 18 kg N, 8 kg P_2O_5 and 9 kg K_2O can be reduced.*

State: West Bengal

All values in kg/ha

S. No.	District	Rice (Earlier: 80: 40: 40)			Wheat (Earlier: 120: 40: 40)			Rabi Maize (Earlier: 130: 70: 50)		
		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	24 Paraganas North	70	40	35	85	45	45	130	40	60
2	24 Paraganas South	70	40	20	85	45	20	180	80	60
3	Alipurduar	70	40	40	70	40	40	60	40	40
4	Bankura	70	40	20	50	30	20	60	40	20
5	Birbhum	65	40	40	70	40	40	180	80	60
6	Coochbehar	65	40	45	70	40	45	60	40	45
7	Darjeeling	70	40	40	70	40	40	80	40	55
8	Dinajpur Dakshin	70	40	35	90	50	50	135	40	60
9	Dinajpur Uttar	70	40	40	65	35	35	180	80	60
10	Hooghly	70	40	20	75	40	20	180	80	60
11	Howrah	70	40	20	55	30	20	180	80	60
12	Jalpaiguri	70	40	40	70	45	40	60	40	40
13	Jhargram	65	40	35	50	30	25	60	40	20
14	Kalimpong	65	40	40	65	35	40	60	40	50
15	Maldah	75	40	50	85	45	55	180	80	60
16	Medinipur East	65	40	35	50	30	25	60	40	35
17	Medinipur West	70	40	20	70	40	20	60	40	20
18	Murshidabad	70	40	40	65	35	35	180	80	60
19	Nadia	75	40	35	85	45	40	180	80	60
20	Paschim Bardhaman	70	40	45	50	30	30	180	80	60
21	Purba Bardhaman	70	40	35	65	35	35	180	80	60
22	Purulia	65	40	20	50	30	20	60	40	20

Note (Rice): *If Farmyard Manure @ 5 tonnes/ha is applied then a chemical fertilizer nutrient @ 25 kg N, 5 kg P_2O_5 and 12 kg K_2O can be reduced.*

Annexure 2: Recommendation for high P districts (based on compiled information)

State	Crop/Cropping Systems	Recommendation
Himachal Pradesh	All crops	Reduce 25% of RDF-P in high P soil
Punjab	Rice-wheat, Maize-wheat and Cotton-wheat	• Skip P application to kharif crop in medium to high P soil • Skip P application both kharif and rabi for 2-3 years in very high P soil
Uttar Pradesh	Sugarcane	• Reduce 25% of RDF-P in high P soil