

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 360
TO BE ANSWERED ON THE 21ST JULY, 2026

SOIL HEALTH CARD SCHEME

360. SHRI B Y RAGHAVENDRA:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state?

- (a) the salient features and major achievements of the Soil Health Card Scheme and the progress made since its inception;
- (b) the State-wise details of soil samples analysed and Soil Health Cards issued, including district-wise details for Karnataka, along with the funds released to the Karnataka State;
- (c) the details of soil testing laboratories and Village Level Soil Testing Labs established and operationalised, State-wise including district-wise details for Karnataka;
- (d) the initiatives taken to promote balanced fertilizer use through Soil Health Card recommendations, including farmer awareness, digital advisories and extension services; and
- (e) the steps taken to expand soil testing infrastructure and promote Soil Health Card-based nutrient management, particularly in rain-fed, hilly and Malnad regions, including digital and mobile soil testing facilities?

ANSWER

MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE
कृषि एवं किसान कल्याण राज्य मंत्री (SHRI RAMNATH THAKUR)

(a) The Government is implementing Soil Health and Fertility Scheme to assist State Governments to issue Soil Health Cards (SHCs) to farmers across the country. SHCs assist in promoting Integrated Nutrient Management (INM) through judicious use of chemical fertilizers including secondary and micro-nutrients along with organic manures & bio-fertilizers, for improving soil health and fertility. Soil samples are processed as per standard procedures and analyzed for parameters such as pH, Electrical Conductivity, Organic Carbon, available Nitrogen, Phosphorus, Potassium, Sulphur, and micronutrients (Zinc, Copper, Iron, Manganese & Boron). The diagnostic soil health assessment of farmer fields is taken up periodically so as to issue SHCs at least once in 3 years. Since 2014-15, 26.09 crore Soil Health Cards have been generated/ distributed as on date across the country. Total 8313 Soil Testing Labs (1267 Static Soil Testing Labs, 168 Mobile Soil Testing Labs, 6197 Mini Soil Testing Labs and 681 Village Level Soil Testing Labs) have been established across the country. Under the scheme, Rs. 2153.04 crore fund has been released so far since inception.

(b): The State-wise details of soil samples analysed and Soil Health Cards issued under the scheme since inception i.e. from 2014-15 till date are at **Annexure-I**. District-wise details of soil samples analysed and Soil Health Cards issued along with the funds released to the Karnataka State from 2014-15 till date are at **Annexure-II**.

(c): The State-wise details of soil testing laboratories established and operationalised, are at **Annexure-III** and District-wise details of soil testing laboratories established and operationalised are at **Annexure-IV**

(d) & (e): Under Soil Health & Fertility Scheme, 130627 farmer's trainings, 7.17 lakh demonstrations, 7425 farmer's Melas/ campaigns on soil health card recommendations have been organized across the country to promote balanced use of fertilizer. Advisories are also issued to farmers through Agricultural Technology Management Agency (ATMA) and Krishi Vigyan Kendras (KVKs). School Soil Health Programme is implemented to inculcate awareness among students about importance of soil. Farmers can access digital SHCs through portal. Financial assistance under the scheme is provided to states to set up and strengthen soil testing labs. Benefits of scheme can be taken by farmers in Karnataka including rain-fed, hilly and Malnad regions

State-wise details of soil samples analysed and Soil Health Cards issued under Soil Health and Fertility Scheme since inception i.e. 2014-15

(In Numbers)

S. No.	States/UTs	Soil Sample Analysed*	Soil Health Card Issued
1	Andaman & Nicobar	44432	53027
2	Andhra Pradesh	4481556	15897865
3	Arunachal Pradesh	190442	212570
4	Assam	2359646	4399318
5	Bihar	5494430	15770294
6	Chhattisgarh	2362697	10107163
7	Dadra & Nagar Haveli and Daman & Diu	5641	15797
8	Goa	91048	91611
9	Gujarat	4837914	15352841
10	Haryana	4168617	10407660
11	Himachal Pradesh	410137	1586278
12	Jammu & Kashmir	863521	2266113
13	Jharkhand	851100	1562892
14	Karnataka	4528048	18710391
15	Kerala	741757	3559840
16	Ladakh	5114	5114
17	Madhya Pradesh	8048634	21164819
18	Maharashtra	7478452	28384256
19	Manipur	65055	252672
20	Meghalaya	173928	519666
21	Mizoram	82534	87006
22	Nagaland	317940	464602
23	Odisha	3157800	6325929
24	Puducherry	25106	46199
25	Punjab	2360297	3101539
26	Rajasthan	6646344	20272888
27	Sikkim	126414	209954
28	Tamil Nadu	4172143	15611280
29	Telangana	2601250	11169204
30	Tripura	193637	402163
31	Uttar Pradesh	13445847	40961769
32	Uttarakhand	637023	1995186
33	West Bengal	3795742	10724479
Total		84605893	260925492

Source: SHC Portal

*Grid System of soil sample collection was implemented from 2014-15 to 2018-19. Grid of 2.5 hectare in irrigated area and grid of 10 hectare in non-irrigated area was formed. In grid system only one soil sample was collected and tested. Based on one sample Soil Health cards were issued to all the farmers in the grid. This system was done away from 2019-20 and individual farm holding based SHC generation was implemented. Therefore, there is difference in soil sample analyzed and SHC generated.

Annexure-II

District-wise details of soil samples analysed and Soil Health Cards issued along with the funds released under Soil Health and Fertility Scheme in Karnataka since 2014-15 till date

(Rs. in lakh)				
S. No	District	Soil samples Analysed	Soil Health Cards Issued	Fund release (GOI share)
1	Bagalkote	1,75,822	5,25,279	501.20
2	Ballari	2,20,357	8,44,011	360.86
3	Belagavi	66,841	10,35,690	156.01
4	Bengaluru Rural	56,690	3,29,315	36.39
5	Bengaluru Urban	2,95,714	1,72,246	1978.20
6	Bidar	1,45,452	6,29,924	236.68
7	Chamarajanagara	1,08,021	5,72,395	160.13
8	Chikkaballapura	1,11,171	7,22,726	198.95
9	Chikkamagaluru	1,00,427	2,67,044	169.80
10	Chitradurga	1,67,666	6,29,544	525.75
11	Dakshina Kannada	82,774	3,21,364	191.06
12	Davangere	1,25,152	6,07,155	264.03
13	Dharwad	1,10,650	3,95,539	223.01
14	Gadag	1,26,887	3,32,702	237.91
15	Hassan	1,94,420	11,50,238	275.93
16	Haveri	1,51,346	569,409	236.24
17	Kalaburagi	2,50,367	12,56,732	437.46
18	Kodagu	88,868	1,41,815	121.11
19	Kolar	94,284	6,06,942	166.18
20	Koppal	1,50,142	4,57,057	246.30
21	Mandya	2,50,091	11,91,069	287.44
22	Mysuru	2,25,114	8,67,768	279.81
23	Raichur	1,44,725	7,01,148	281.51
24	Bengaluru South	88,162	5,72,252	155.93
25	Shivamogga	1,41,815	4,73,228	243.83
26	Tumakuru	2,90,654	10,73,879	344.21
27	Udupi	62,151	4,12,409	123.04
28	Uttara Kannada	94,902	3,42,664	166.95
29	Vijayanagar	24,241	24,241	61.49
30	Vijayapura	2,21,562	7,49,775	470.60
31	Yadgir	1,61,580	7,34,831	294.34
	Total	45,28,048	187,10,391	9432.35

Source: State Government

Annexure-III**State-wise details of soil testing laboratories established and operationalised under Soil Health and Fertility Scheme**

(In Numbers)

S. No.	State	Soil Testing Laboratories				Total
		Static	Mobile	Mini	Village Level	
1	Andaman & Nicobar	1	-	-	-	1
2	Andhra Pradesh	47	13	1328	16	1404
3	Arunachal Pradesh	17	3	-	-	20
4	Assam	26	-	214	-	240
5	Bihar	53	9	-	72	134
6	Chhattisgarh	33	-	111	35	179
7	Dadra & Nagar Haveli and Daman & Diu	-	-	-	-	-
8	Goa	2	-	-	-	2
9	Gujarat	22	-	230	30	282
10	Haryana	53	-	104	36	193
11	Himachal Pradesh	11	7	69	-	87
12	Jammu & Kashmir	22	12	-	21	55
13	Jharkhand	29	-	1300	-	1329
14	Karnataka	97	1	6	291	395
15	Kerala	22	11	-	-	33
16	Ladakh	2	-	-	1	3
17	Madhya Pradesh	50	-	626	12	688
18	Maharashtra	213	31	48	-	292
19	Manipur	9	3	3	2	17
20	Meghalaya	5	-	8	-	13
21	Mizoram	3	3	-	-	6
22	Nagaland	20	3	-	74	97
23	Odisha	30	30	-	40	100
24	Puducherry	2	-	-	-	2
25	Punjab	24	3	-	-	27
26	Rajasthan	101	12	-	-	113
27	Sikkim	3	-	-	24	27
28	Tamil Nadu	37	21	-	1	59
29	Telangana	40	4	2050	-	2094
30	Tripura	4	2	100	13	119
31	Uttar Pradesh	256	-	-	6	262
32	Uttarakhand	13	-	-	7	20
33	West Bengal	21	-	-	-	21
TOTAL		1267	168	6197	681	8313

Source: SHC Portal

Annexure-IV

District-wise details of soil testing laboratories in Karnataka

(In Numbers)

S.No	District	Agriculture department lab			Co-operatives /Pvt KVK static lab	Village level	Horticulture static lab	Sericulture static lab	SAUs/ KVKs static lab	Total
		static	mobile	mini						
1	Bagalkote	1	-	-	-	7	-	-	3	11
2	Ballari	1	-	1	-	3	-	-	2	7
3	Belagavi	1	1		2	37	1		0	42
4	Bengaluru	1	-	1	-	1	1	1	3	8
5	Bengaluru	0	-	-	-	2	-	-	1	3
6	Bidar	1	-	-	-	3	1		2	7
7	Chamarajanag	1	-	-	-	5	-	-	1	7
8	Chikkaballapur	1	-	-	-	5	-	-	0	6
9	Chikkamagalur	1	-	-	-	18	-	-	3	22
10	Chitradurga	1	-	-	-	23	-	-	3	27
11	Dakshinakanna	1	-	-	-	4	-	-	0	5
12	Davanagere	1	-	-	-	8	1		1	11
13	Dharwad	1	-	-	-	3	-	-	4	8
14	Gadag	1	-	-	-	4	-	-	1	6
15	Hassan	1	-	-	-	5	-	-	2	8
16	Haveri	1		1		19	-	-	2	23
17	Kalburgi	1	-	1	-	18	-	-	3	23
18	Kodagu	1	-	-	-	3	-	-	1	5
19	Kolar	1	-	-	-	9	-	-	2	12
20	Koppal	1	-	-	-	3	1		3	8
21	Mandya	1	-	1	-	6	-		2	10
22	Mysuru	1	-	-	-	3	1	-	0	5
23	Raichur	1	-	-	-	3	-	-	4	8
24	Bengaluru South	1	-	-	-	22	-	-	1	24
25	Shivamogga	1	-	-	-	21	1	-	3	26
26	Tumakur	1	-	1	-	5	-	-	1	8
27	Udupi	1	-	-	-	13	-	-	2	16
28	Uttarakannada	1	-	-	-	5	-	-	2	8
29	Vijayanagara	1	-	-	-		-	-		1
30	Vijayapura	1	-	-	1	17	-	-	3	22
31	Yadagiri	1	-	-	-	16	-	-	1	18
	Total	30	1	6	3	291	7	1	56	395

Source: State Government
