

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

LOK SABHA
UNSTARRED QUESTION NO.657
TO BE ANSWERED ON THE 19TH DECEMBER, 2017

SOIL TESTING LABS

657. SHRI ANURAG SINGH THAKUR:

Will the Minister of AGRICULTURE AND FARMERS WELFARE एवं किसान कल्याण
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be pleased to state:

- (a) the details of testing labs available for Soil Health Card across the country, State-wise;
- (b) the extent to which the farmers have saved the capital as a result of using Soil Health Card in the country;
- (c) whether the Government is working towards digitizing the cards and updating them on time and if so, the details thereof; and
- (d) whether there exists any standard operating practices for labs for storage of soil samples and their analysis and if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

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PARSHOTTAM RUPALA)

(a): State-wise number of STLs are given in the annexure.

(b): As per study conducted by National Productivity Council (NPC), application of fertilizer and micronutrients based on Soil Health Card recommendations resulted in 8-10% of fertilizer savings. There is overall increase in the yield of crops to the tune of 5-6% by adopting SHC recommendations.

Impact study conducted by MANAGE, Hyderabad indicated there is reduction in Nitrogen based fertilizers and increase in bio-fertilizer and micro-nutrient use.

(c): For digitizing the Soil Health Cards, Web based work flow application Soil Health Card portal has been designed and developed by National Informatics Centre (NIC). The Soil Health Card Portal ([Http://soilhealth.dac.gov.in](http://soilhealth.dac.gov.in)) facilitates generation of Soil Health Cards for the benefit of farmers in uniform and standardized format across country in all major languages and 5 dialects.

(d): As per standard operating procedure, soil samples are registered online in labs and given soil sample unique number and stored. The samples are to be analyzed for 12

parameters namely, N,P,K (Macro-nutrients); S (Secondary-nutrient); Zn, Fe, Cu, Mn, Bo (Micor-nurients; and PH, EC, OC (Physical Parameteres).

Annexure

State-wise Soil Testing Labs available for Soil Health Card Scheme

Sl. No	Name of State	No of Soil Testing Laboratories			Total No of Labs
		Static	Mobile	Mini STLs	
I	South Zone				
1	Andhra Pr.	82	15	1328	1425
2	Karnataka	68	3	6	77
3	Kerala	15	11	152	178
4	Tamil Nadu	32	17	0	49
5	Puducherry	2	0	0	2
	Telangana	31	19	2050	2100
	Total	199	65	3536	3800
II.	West Zone	0			0
6	Gujarat	136	3	230	369
7	Madhya Pr.	317	11	626	954
8	Maharashtra	169	37	1318	1524
9	Rajasthan	90	24	0	114
10	Chhattisgarh	28	5	111	144
11	Goa	3	1	0	4
	Total	743	81	2285	3109
III	North Zone	0			0
12	Haryana	38	3	50	91
13	Punjab	56	15	0	71
14	Uttarakhand	13	3	0	16
15	Uttar Pradesh	260	31	0	291
16	Himachal Pr.	11	10	69	90
17	Jammu & Kashmir	13	11	0	24
18	Delhi	1	0	0	1
	Total	392	73	119	584
IV	East Zone				0
19	Bihar	39	6	0	45
20	Jharkhand	8	0	1300	1308
21	Orissa	21	12	0	33
22	West Bengal	22	14	0	36
	Total	90	32	1300	1422
V	NE Zone	0			0
23	Assam	9	4	200	213
24	Tripura	3	6	100	109
25	Manipur	4	4	0	8
26	Meghalaya	3	3	8	14
27	Nagaland	4	0	0	4
28	Arunachal Pr.	5	3	0	8
29	Sikkim	4	2	0	6
30	Mizoram	3	3	0	6
	Total	35	25	308	368
	Grand Total	1459	276	7548	9283

Note : In addition 1076 Mini Soil Testing Labs have been provided to KVKs of Indian Council of Agricultural Research
