

Soil Testing Laboratory's

Objectives of the scheme :

To test soil and water samples and render advisory service to the farmers and other agencies on:

1. Judicious use of fertilizers on soil test basis.
2. Time to time upgrading of soil fertility status maps of Haryana with respect to nitrogen, phosphorus and potassium.
3. Assessing the salinity, sodicity of the soils and suggesting the various reclamation measures and crops to be grown.
4. Assessing the suitability of the soils with respect to orchard plantation.
5. Assessing the suitability of under ground tube well irrigation water for various crops and suggesting the amendments, if required.

Results achieved:

Rendered farm advisory service to farmers and other agencies after analyzing their 2493 soil and 2073 water samples, received between July 1, 2007 to April 2008. Out 2493 soil samples 36 from adjoining states like Rajasthan and Punjab for fertility evaluation and rest (2457) from Haryana for different purposes. Of 2457 soil samples received, 35.0 (859), 61.8 (1518) and 3.2 (80) per cent were for fertility evaluation, orchard/garden plantation and kallar reclamation, respectively. On farmers' demand 89 soil samples were also analyzed for micro nutrients.

Similarly, out of 2073 under ground water samples, 89 were received from Rajasthan, Punjab and Uttar Pradesh and rest (1984) from Haryana. On the basis of tube well water samples received from Haryana, it is inferred that 14.6, 33.7, 33.7 and 18.0 per. cent were found to be good, marginally saline to saline, sodic and unfit, respectively for crops cultivation for which various reclamation measures were suggested. Likewise, three organic manure samples have also been, received for analysis with respect to their quality parameters.

Work to be done during 2008-09:

Farm advisory work for the objectives as stated above during the year 2007-08 will be carried out.

Approved Analysis rates (Rs.) per samples by the worthy Vice-Chancellor for the different categories, enforced w.r.t. 12-11-2003 (A.N.)

Analysis/parameters	Farmers		Other state inst./university		Private organization	
Soil general, (pH, EC, OC, P, K, texture and with or without CaCO ₃)	10		120		350	
Soil micronutrient(s) (Zn, Fe, Cu and Mn)	Rs. 50/- (Zn, Fe, Cu and Mn)		Per micronutrient Rs. 100/-		Per micronutrient Rs. 200/-	
Soil Heavy metals (Pb, Ni, Cd, Co and Cr.)	Per Heavy metals Rs. 50/-		Per Heavy metals Rs. 250/-		Per Heavy metals Rs. 500/-	
Irrigation water (EC, CO ₃ , HCO ₃ , Cl, Ca and Mg)	Rs. 10/- including the estimation of pH, Na, K and SO ₄ wherever required		Rs. 125/-, Additional parameter wise rates (Rs.) as under:- pH - Rs. 10/- Na - Rs. 50/- K - Rs. 50/- SO ₄ - Rs. 50/-		Rs. 250/-, Additional parameter wise rates (Rs.) as under:- pH - Rs. 10/- Na - Rs. 50/- K - Rs. 50/- SO ₄ - Rs. 50/-	
Irrigation water with NO ₃ /K or both along with EC, CO ₃ , HCO ₃ , Cl, Ca and Mg	Rs. 25/-		Rs. 150/-, Additional parameter wise rates (Rs.) as under:- pH - Rs. 10/- Na - Rs. 50/- K - Rs. 50/- SO ₄ - Rs. 50/-		Rs. 250/-, Additional parameter wise rates (Rs.) as under:- pH - Rs. 10/- Na - Rs. 50/- K - Rs. 50/- SO ₄ - Rs. 50/-	
Sewage Effluent*	Parameters	Rates (Rs.)	Parameters	Rates (Rs.)	Parameters	Rates (Rs.)
	pH	2/-	pH	10/-	pH	20/-
	EC	2/-	EC	10/-	EC	20/-
	CO ₃	5/-	CO ₃	25/-	CO ₃	50/-
	HCO ₃	5/-	HCO ₃	25/-	HCO ₃	50/-
	Cl	5/-	Cl	25/-	Cl	50/-
	SO ₄	10/-	SO ₄	100/-	SO ₄	200/-
	Ca	5/-	Ca	50/-	Ca	100/-
	Mg	5/-	Mg	50/-	Mg	100/-
	Na	5/-	Na	50/-	Na	100/-
	K	5/-	K	50/-	K	100/-
	Per Heavy metals Rs. 250/- (Pb, Ni, Cd, Co and Cr)		Per Heavy metals Rs. 250/-		Per Heavy metals Rs. 500/-	

* If sampling is required to be done by the University Soil Scientist then Rs.1350/- per sample will be collection rate over and above the analysis charges. However, University will not be held responsible for any legal cucumbrances.

Analysis rates (Rs.) per samples through CHNS Analyser (C, N, S, and H)

a)	Farmer	Rs. 100/-
b)	Other Universities and Departments of the University	Rs. 200/-
c)	NGO & Private Organisation	Rs. 500/-

List of Soil testing laboratories under CCS HAU, Hisar in Different Districts

S. No	Incharge	District	Address	Contact No.
1.	Dr. B. S. Duhan	Hisar	Scientist Incharge, Regional Soil Testing Laboratory, Dept. of Soil Science, CCS HAU, Hisar	01662-289278
2.	Dr. V. P.S. Ahlawat	Rohtak	Scientist Incharge, Soil Testing Laboratory, CCS HAU, Krishi Vigyan Kendra, New Delhi Road, Rohtak	01262-266362
3.	Dr. O. P. Sagwal	Karnal	Scientist Incharge, Regional Soil Testing Laboratory, CCS HAU Regional Research Station, Uchani, Karnal	0184-2267857
4.	Dr. Satyabir Yadav	Bawal (Rewari)	Scientist Incharge, Regional Soil Testing Laboratory, CCS HAU Regional Research Station, Bawal (Rewari)	01284- 260517,260030