SOIL SAMPLING SESSION-2022-2023 By BSc Chemistry students

FIVE Students were assigned fieldwork of soil sampling:-

1. Pushkar

2. Vijay

3. Tina Sharma

4.Sanjay

5. Nitin Sharma



1138 And Menus / Mr. Nem 52/12/021

प्रेषक

भूमि परीक्षण अधिकारी ,

कलागौर ।

सेवा में

प्रधानाचार्या .

राजकीय महाविदयालय .

महम |

क्रमांक : 439

Berlin: 0/2/12/2022

विषय: "हर खेत - स्वस्थ खेत " स्कीम के अन्तर्गत मिट्टी के नमूनों का विश्तेष्ण करने

हेत् ।

सन्दर्भ : महानिदेशक , कृषि एवं किसान कल्याण विभाग , हरियाणा , पंचकूला के पत्र

क्रमांक 6482-6543/Astt.-III(SC) दिनांक 20/12/2022 .

उपरोक्त विषय एवं सन्दर्भ के अंतर्गत आपकी सेवा में लिखा जाता है कि आपके महाविद्धालय के विज्ञान के छात्रों द्वारा 1000 मिट्टी के नमूनों का विश्लेषण कार्य करना है | इसलिए 1000 मिट्टी के नमूने गाँव मोखरा खेडी के प्रयोगशाला नमूना संख्या 6245-7244 तक आपके महाविद्यालय में भिजवाए जा रहे है | आपसे अनुरोध है कि आपके महाविद्यालय के विज्ञान के विद्यर्थियो द्वारा मिट्टी के नमूनों का विश्लेषण कार्य मिनीकिट द्वारा करवाने का कष्ट करे | यह आपकी सेवा में सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेत् प्रेषित है |



भूमि परीक्षण अधिकारी

From

The Director, Agriculture & Farmers Welfare Department, Haryana, Panchkula.

To.

- The Director General, Higher Education Department, Shiksha Sadan, Sector-5, Panchkula.
- The Director General, Secondary Education Department, Shiksha Sadan, Sector- 5, Panchkula.

Memo No.: 6480 -81/Asstt.-III (SC) Dated, Panchkula the: 20/12/2022

Subject:

Allotment of soil samples for testing from Soil Testing Laboratories to Government Schools/Colleges-reg.

R/Sir.

Please refer to the subject cited above.

In this regard it is intimated that Hon'ble Chief Minister, Haryana has announced "हर खेत-रवस्थ खेत" campaign with an aim to collect and test Soil samples from each and every acre of agricultural land of the State and Soil Health Cards (SHCs) be issued to the farmers in the time span of 3-4 years.

The work of collection of Soil samples and distribution of Soil Health Cards will be performed by the science students of GSSS/ Govt. Colleges under "Earn While-You Learn" programme and a remuneration of Rs.40/- will be paid to science students on account of collection and testing of each soil sample. 222 Mini Soil Testing kits have been established in GSSS/ Govt. Colleges till date (List enclosed).

During the current financial year 2022-23, around 30 lakh soil samples have been collected by the Department of A&FW. The pace of collecting of soil samples by the students of GSSS/ Govt. Colleges is very slow. As we are at fag end of the 3rd quarter of the Financial Year, the Govt. has decided that minimum 1000 soil samples may be given to each Colleges for testing of soil samples out of the samples collected by the Department 1e. 30 lakh.

The following points should be taken into consideration for testing of soil samples in Mini Soil Testing kits established in GSSS/ Govt. Colleges:-

The Soil Testing Officer (STO) concerned will coordinate with the Principals
of Govt. GSSS/Colleges in their respective jurisdiction.

Various letters from DGHE, Haryana, and **Soil Testing** Laboratory, Kalanaur from analysing 1000 samples of soil. Five students of BSc **Chemistry had done** this project.



प्रेषक

भूमि परीक्षण अधिकारी,

कलानौर |

सेवा में

प्रधानाचार्या ,

राजकीय महाविद्यालय ,

महम |

क्रमांक : 626

दिनांक : 13/04/2023

विषय:

मिट्टी के नमूनों का विश्लेष्ण करने हेत् मिनीकिट की रिफिलिंग किट देने बारे |

सन्दर्भ : आपके महाविद्यालय के पत्र क्रमांक 1183 दिनांक 17/01/2023 .

उपरोक्त विषय एवं सन्दर्भ के अंतर्गत आपकी सेवा में लिखा जाता है कि आप द्वारा मिट्टी के नमूनों का विश्लेष्ण मिनीकिट द्वारा कार्य किया जा रहा है | आपके महाविद्यालय द्वारा अब तक 700 मिट्टी के नमूनों का विश्लेष्ण कार्य पूरा कर दिया गया है | आप द्वारा 300 मिट्टी कि नमूनों के विश्लेष्ण कार्य हेतू मिनीकिट की रिफिलिंग किट की मांग की गयी है | अत : मिट्टी के नमूनों के विश्लेष्ण कार्य हेतू इस कार्यालय द्वारा आपको 03 Nos मिनीकिट की रिफिलिंग किट भेजी जा रही है तािक मिट्टी के नमूनों का विश्लेषण कार्य चलता रहे | यह आपकी सेवा में सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेतू प्रेषित है |

Charistery Repl.

State 1987

भूमि परीक्षण अधिकारी

प्रेषक

भूमि परीक्षण अधिकारी

कलानौर

तिस्ट ।

प्रेषित

प्रधानाचार्या,

राजकीय महाविद्यालय, महम

क्रमांक : 258 दिनांक : 08/12/302)

विषय:

सलंग्न :

मृदा परीक्षण कीट देने बारे |

उपरोक्त विषय के अनुसार आपको लिखा जाता है कि "हर खेत-स्वस्थ खेत" मुहीम के तहत महानिदेशक, कृषि तथा किसान कल्याण विभाग, हरियाणा, पंचकुला के पत्र क्रमांक 5010-5036/Asstt.-III(SC) दिनांक 07/09/2021 (सलंग्न) के तहत आपके महाविद्यालय में एक मृदा परीक्षण कीट स्थापित करने के आदेश प्राप्त हुए हैं। अत: आपको एक मृदा परीक्षण कीट Instrument, Glassware & Chemical की लिस्ट सहित आपके महाविद्यालय में दी जा रही है। यह आपको सुचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

> भूमि परीक्षण अधिकारी कलानीरं



Meham (Rohtak)

Handover Jun 2

Page No.	
Govt. Collège Mehan had received	
1000 samples on 06th ton 2023 and	
completed on 18th April 2023	
19/04/23	
There were four students of Bol Final who performed the sample	2
1. Pushkan Bushan	
2. Sanjay Sonjay Sonjay Vijoy	
4. Nitin Shoroma Nitin 5. Tina Sharma Tong	
mploods 123	_
Sanjour 210 9/25	
20/5/13 Super COULCO.	

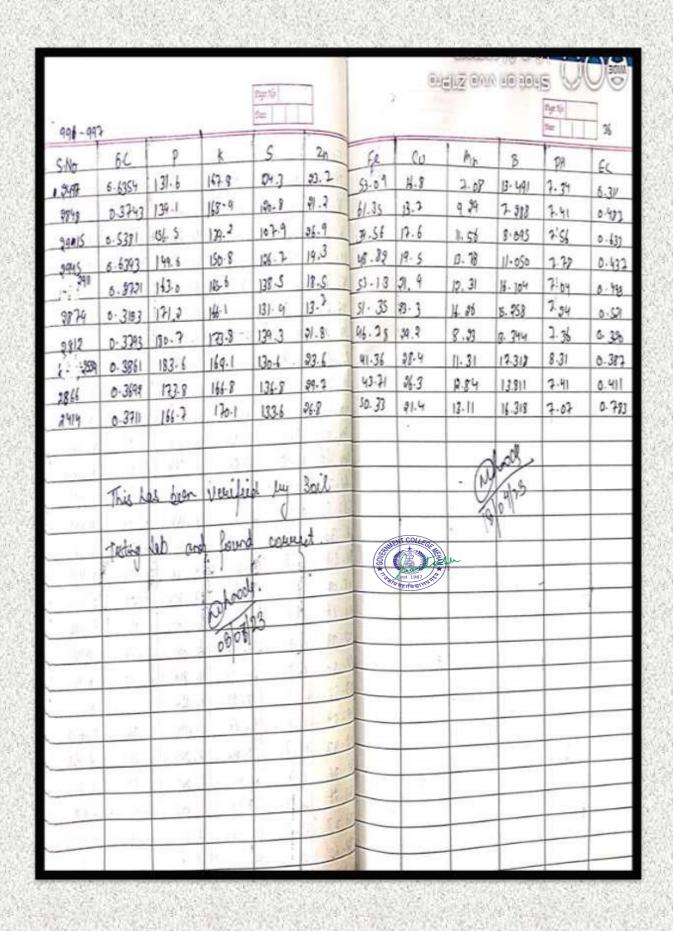
Readings of soil sampling from the record. Ten nutrients analyzed (micro and macro)



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31-60			10.	1.				-		[Per	12
3.10	0.0	Phosphorus.	Polisisism	Sulphur		Inon_	Copper	Manageres A.	Boson	PH.	EC
2152	0:0889	2.5	412	203.9	49	36	0.4	0.012	0.007	7.09	0.490
3191	0:06385	0:6	84.4	F-1200	4.3	42	0.5	2-004	0.007	7.76	0.420
2144	0.6831	1.8	4:18	2006	1.5	5-4	0.69	0.007	6.805	7.31	0.300
3192	0.8682	0.4	93%	2034	6.4	6.9	1.31	0.009	0.003	7.85	0.447
3074	0:6639	1.0	900	2.5-9	10.5	7.2	0.84	-010	0.004	9.80	0.379
2179	0:9687	1.5	32.5	P+4.00	12.9	3.5	0.76	. 008	0.007	8-14	0.353
2051	0.6685	2.0	84.6	2076	5.2	42	0.88		0, 004	7-39	0.434
2170	P530.0	0-5	94.4	208.6	614	5.4	1.90	-002	0.002	7.14	10-214
2057	0:0637	0.1	98-3	204.3	52	6.5	0.04	-002	0.006	7.87	0.949
2076	0.685	1.9	1025	205.2	1.7	7-2	. 0.50	100	0 * 007		p. 536
2154	0 £83	3-1	116.9	2034	3.1	3.2	. 0 . 67	002	6.008	3.93	0.403
2054	0.0827	3.4	70.5	209.4	10-11	4.4	1 - 53	1502	0.009	8.90	0.435
2172	p:6635	2.5	29-9	20 12	12.5	2.1	p · 37	*005	0 *80	731	0.412
2150	0-8983	3.5	954	207-6	6.42	5-0	e -40	• 007	00-10	7.36	0.418
2078	0.6630	2.4	94.0	2082	7-60	7.5	0 .56	*009	•011	3.81	
2149	0:0819	3.6	66.0	201-2	8.9	10.4	0.17	Fed.	· DIS	9-19	0.393
2080	0-0631	- 49	750	20.3.4	16.7	8.4	0 -72	-006	* 021	2.14	0.442
2124	0.5083	30	105.0	2056	12.4	72	1 -84	4004	*641	2.32	0.5/6
2104	0.963	3-1		2034	16-5	6.4	1.60	*0.0	*011	2.87	0.444
2171	0-633	3.2		2047	12.41	7.4	1.07	*003	*032	3-85	0.913
2169	0-683	1-9		2089	124	82	011	- 084	•084		0.324
2132	808.0	2.4		207.7	11/2	4.3	1 17	D-009	•039	7.79	0.412
2/18		2.9		2014	10.5	2.5	1.27		180.	707	0.5/1
2140	0.880	3.2		204.4	93.41	7.4	1.31	0.620		9.93	0.394
2182	0-663	1.3		205.2	15:1	3.9	. 0	0.030	·ORI	7.84	0.418
2148	0263	0.8		2032	105	34	1.76	0.009	010	7.78	0.5/2
2011	0.9803	1-1	96.4	-	(.0 0	6.5	0.96	0.060	107]	7.88	0.416
2162	0.663	5.5		2054	0	23	0.97	0-045	- 034	7.09	0-5/6
2/33	0.6887	1.3			17.4	30	8.74	0-85	- 0 32	7.9	0-320
2050	0.0687	3.4	89.4	0.01	125			0-52	**12	7.71	0.414
4050	0/6901	01	+9.5	208.6	19.2	NE STATE OF THE ST	td. 1987	0-007	. 911	218	0.496
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2152	0.0889	0.5	352	202.9	44	36	0.4	0.002	0.007	7.09	0.420	
2171	0-06375	0:6	84.4	7400	4.3	42	0.5	2.004	1.00×0	7.76	0.420	
2144	0.6831	1:8	4:18	2006	4.5	5.4	0.69	8. 007	6.005	7.31	0.300	
9192	0.8682	0-4	986	20.3.6	6.4	6.4	1.31	0.009	0.003	3.85	0.447	
2074	0:6639	[.0	900	2:5-9	10.5	7.2	0.84	-010	0.004	9-89	0.379	
2179	0.9893	1.5	82-5	703-4	12.4	3.5	1.76	. 008	0'002	8-14	0.353	
2051	0.6685	3.0	84.6	207-6	5.2	42	0.85	- Application	0, 004	7-39	0.434	
2170	pro839	0.5	944	2.86	6.4	5.4	1.90	-002		7.14	0.314	
2057	0:0637	1.0	99-3	204.3	52	6.5	0.04	-552		7.81	0.949	
2076	0.685	1.9	1035	205.2	6.7	7-2	100	*001	0 * 007	A 200 miles	0.236	
2154	0583	3-1	116.9	203-6	8-90	9-2	0 . 67	002		7.93	0.403	
2054	6:0827	3.9	70.5	20904	10:41	44	1.53	1002	-	8.90		
2172	0:6635	3.5	89-9	2012	12.5	24	0.37	•005	o tel	7-31	0.435	
2150	0.883	3.5	951	207.6	6.42	5-0	0.40	• 007		7.34	0.412	
2078	0-6622	2.4	94.0	2082	7-(7.5	0.56	*009	•011	7.87	0-418	
2149	010809	3.6	669	201-2	8.9.	10.4	0 - (7	.001	-011	9.19	0.393	
2020	0-063	- 41	750	20 3.4	16.7	8.6	0 -72	3005	021	2.14	0.442	
2124	0.6083	- 30		2056	22.4	72	1.24	*004	*641	2.32	0.5/6	
2104	09063	3-1	100000000000000000000000000000000000000	2034	16.5	6.4	1.60	*0a3			6.444	
217	pres?	3.2	100000000000000000000000000000000000000	2041	12:4	7.4	1.07		*012	2.87	0.913	
2169	p:1583	1.9		2.89	WINEM COLLEG	82	01/1	1003	+081	3.20	0:35	
2130	0.508	2.4		207.7		夢心	1 1/7	Peg-9		7.79	0.4/2	
2/18		2.9		2.9.4	भाव महाविद्यालय	2.5	1.27	-		7.07	0.511	
2140	0.880	3.7	1	204.4	93.4	7.4	1.31	0.620	2012	9.93	0.394	
2182	0-663	1.3		205.2	15:2	3.9	0.9		- 190	7.84	0.418	
2148	1	0.8	1000	203.2	165	14	1.76	0:004	•010	7.71	0.5/2	
2011	09803	1.1	1	2040	(.0 0	65	98.0	0.00	·#]	7.88	0.416	
2162	0.563	5.5	F 70 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	2054	V violent und	73	0.97	0-045	-054	7.09	0.5/6	
2/33	0.6887	1.1			17.4	20	0.74	0.85	-035	7.91	0-320	
2050	0.0687	3-3		20 30	ne	11-4		0-51	** 2	7.71	0.414	
2050	0/9/903	0.1	#15	208.6	19.2	113/	1.56	10.007	. 101	218	0.496	
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121-150	0.6	Ballow	Petadum-	Sulfikur	Zine	Îran.	Coffee	Marganies	Bayon	bit	1 EC		
SAF	0.2635	61.4	6.114	201.62	162	170	17-59	7.55	4.706	7-13	0.36		
2652	0-1415	65-2	0.49	241.57	122	12-51	17.68	7.40	4.409	7.45	9-37		
2151	0.72%	667	12:0	202-99	16.6	17-69	12-70	\$·52 .	4.605	7.68	h-365		
2023	6-4231	601	0.6	203.52	161	16-02	17:69	643	4-699	8-1	9-59		
2111	c 3715	3-1	6.4	204-61	146	15-£1	16.68	7.90	4 - 10	7-53	0-393		
2154	0313	674	0.6	202:62	133	16-76	17:69	75.	4.75	7/2	2-152		
2:11	5-32la	614	0.7	20371	190	14-31	16:50	654	4-602	3.1C	0-401		
7045	0.3494	7/3	0.5	204.62	184	18:31	17.99	642	4.509	7-22	0:311		
1179	, U-370	65-2	0.4	202-62	13-5	17-52	18.01	386	4.601	7-34			
2057	n 3162	67-6	8.5	202.71	14.	17-91	17:11:	7-le	4-678	7-61	9+39 9+39		
2119	03482	86-2	0-3	202-71	15/3	13.52	17-20		4.788	7.80	1000		
7201	0:35%	63-1	0.4	202-78	16-2	18-31	15-28	744	4-689		0-355		
2113	0.23.02	64.9	0.5	202.79	163		17-88	(-5)	4.748	7:45	1-37		
2035	9.382K	65-1	0.6	202-51	16.4	15-62	17-69	(-357	100000000000000000000000000000000000000	7.57	0.411 e 402		
1177	0.3832	62-8	0.4	201-6/	15-2	16:32	17-68	7-Ye:	4-688	7-80			
2098		62-9	0.3	203-71	176	15:62	17.69	5.62	4-588	7.41	3-45		
2014	0378		0.5	204.68	-	17:67		5-23	4-691		152		
2019	5:358	654		Townski water	les?		17-88	341	4.799	7-56	9-41		
2111	0-3935	66-3	0.6	267.71	154	17-01	17-69	Tab.	4 - 598	7:94	5366		
2100	0.3333	63-2	0.4	268.91	15:3	16-88	16.98	142	4-658	7.51	2.90		
2012	6357	67-4	5.7	2-3-12	16-2	16:53	18.50	7-35	4-739	7.70	0139		
2050	0-3333	301	014	2.9.69	14-12	16:54	17-69	7.11	4.739	7+36	2448		
2.102	6:3167	762	6.4	203.72	16.5	15-41	17-29	6.39	4-794	7-84	0.73		
2,539	0:3053	154	0.3.	30432	5-2	14.59	17-68	6.35	4-698	7-84	3.51		
2502	9-3482	63-1	0.2	20.69	16-7	16-53	Ballet COL	EG.	4.168	7.36	4-83		
2175		15-1	0.9	203.71	163	17-61	9 (1)		4.790	7,49	2-40		
2091	0.385	510	0.3	207-61	149	1852	std. 199		4-131	345	2-37		
2on	0.38	34	0.4	2:1.61	154	19:02	18-99	742	4.763	336	0.572		
2053	0:255	67-6	0-4	204.72	13-	2024	17.60	7.49	4 - 798	c-st	0-41		
2116	0:3(3)	122	0.5	15.9cc	110	15-12	15.70	7-56	4-638	7-21	0.4/5		
2061	0.738	640	0.6	206-69	174	1462	12.51	2:03	4-790	743	0.414		
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Students carrying out soil sampling project in chemistry laboratory









Feedback from the students

FEEDBACK ON SOIL SAMPLE TESTING

We, students of Govt. College, Meham pursuing course B.Sc.(III) started the journey of soil testing in the month of January and now, the beautiful journey comes to its end.

We have got to learn about the whole process of soil testing. This includes pH testing, Micro nutrients and macro nutrients present in the soil.

With time, we got to know about the pros of team work. There were a total of 4 students and we used to delegate work everyday.

When we get together in the Lab, we learnt to work with unity and this leads to better rationalization of work.

We used to learn about the testing machine and the principles of soil testing.

Another learning is about the difference between amount of fertilizers used vs the precise amount of fertilizers that should be used.

With the help of this technique there arises a great hope of good farming in future with the help of the data.

While working, we felt like working as a professional personnel.

When we used to get together at the fixed time in the lab, we learnt a lot about discipline. Daily fixed routine and we have to maintain the timings, no. of sample testings etc. anyhow.

We faces some difficulties in preparing the standard solution of Potassium and sulphur but with time, we get use too with it and concurred it with our hardwork.

In some situations, we got stuck at some point but at that instance, our incharge Dr. Manisha Hooda Mam supported us.

Overall, this boosts up our self-confidence towards research field.

We would like to thank our teachers and the other concerned staff who helped us a lot in finalizing this project in the limited time frame.

Overall, All Credits to our Principal mam and Respected Staff of our concerned department.



Songay Purthess Vising Nikin