1.1.1

SOIL SAMPLING

SESSION-2022-2023

Ms. Manik / Mr. Nan

1138
22/12/2022

22/12/2022

प्रेषक

भूमि परीक्षण अधिकारी ,
कलानौर |

सेवा में

प्रधानाचार्या ,
राजकीय महाविद्यालय ,
महम |

क्रमांक : 439 दिनांक : 22/12/2022

विषय : 'हर खेत - स्वस्थ खेत ' स्कीम के अन्तर्गत मिट्टी के नमूनों का विश्लेष्ण करने हेतू |

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 महाविद्यालय के विज्ञान के छात्रों द्वारा 1000 मिट्टी के नमूनों का विश्लेष्ण कार्य करना है | इसलिए 1000 मिट्टी के नमूने गाँव मोखरा खेड़ी के प्रयोगशाला नमूना संख्या 6245-7244 तक आपके महाविद्यालय में भिजवाए जा रहे है | आपसे अनुरोध है कि आपके महाविद्यालय के विज्ञान के विद्यर्थियों द्वारा मिट्टी के नमूनों का विश्लेष्ण कार्य मिनीकिट द्वारा करवाने का कष्ट करे | यह आपकी सेवा में सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेतू प्रेषित है |

22/12/22

भूमि परीक्षण अधिकारी
कलानौर

From

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

To,

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

2. 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–स्वस्थ 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 GSSS/ Govt. Colleges for testing of soil samples out of the samples collected by the Department i.e. 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:-

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

List of Govt. Colleges where Mini- Soil Testing Laboratories have been established.

Sr. No.	District	Sr. No.	Name of College
1.	Ambala	1.	P.G. Govt.College, Ambala Cantt,
		2.	Govt. College Naraingarh, Ambala
2.	Panchkula	3.	Govt College Sector-1,Panchkula
		4.	Govt. College Sec-14, Panchkula
3.	Yamunanagar	5.	Govt. College, Chhachhrauli, Y/ nagar
4.	Karnal	6.	Pt Chiranji lal Sharma Govt. (PG) College, Karnal
		7.	Govt. College, for Women, Karnal
		8.	Govt. College, Matak Majri, Karnal
5.	Kaithal	9.	Govt. College,Jagdishpura, Kaithal
6.	Panipat	10.	Govt. College, Panipat,
		11.	Govt. College, Madlauda, Panipat
7.	Jind	12.	Govt. College, Narwana, Jind
		13.	Govt. College, Jind
8.	Rohtak	14.	Pt. N.R.S Govt. College, Rohtak
		15.	Govt. College for women Sampla, Rohtak
		16.	Govt. College, Meham, Rohtak
9.	Sonipat	17.	Govt. College for Women, Gohana, Sonipat
10.	Jhajjar	18.	Govt. College, Jhajjar
11.	Gurugram	19.	Dronacharya Govt. College. Gurugram
		20.	Govt. College, Sector-14, Gurugram
12.	Faridabad	21.	Govt. College Faridabad,
		22.	Govt. College for Women, Faridabad
13.	Palwal	23.	Govt. College, Hodal, Palwal
14.	Rewari	24.	Govt. College for Women, Rewari
		25.	Govt. College, Nahar, Rewari
		26.	Govt. College, Kosli, Rewari
15.	Mahendergarh	27.	Govt College, M/garh
		28.	Govt. College Nangal Choudhary, M/garh
		29.	Govt. College Satnali, M/garh
		30.	Govt. (PG) College, Narnaul
16.	Ch. Dadri	31.	Govt. College for women, Badhra,Charkhi Dadri
17.	Bhiwani	32.	Govt. College Loharu, Bhiwani
		33.	Govt. College for Women, Bhiwani
18.	Hisar	34.	Govt. College, Hisar,
		35.	Govt. College for Women, Hisar
		36.	Govt. College Adampur, Hisar
19.	Fatehabad	37.	Govt. College for Women, Bhodia Khera, Fatehabad
		38.	Govt. College, Ratia, Fatehabad
20.	Sirsa	39.	Govt .National College, Sirsa,
		40.	Govt. College for Women, Sirsa

प्रेषक

भूमि परीक्षण अधिकारी ,
कलानौर |

सेवा में

प्रधानाचार्या ,
राजकीय महाविद्यालय ,
महम |

क्रमांक : 626 दिनांक : 13/04/2023

विषय : मिट्टी के नमूनों का विश्लेष्ण करने हेतू 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 ताकि मिट्टी के नमूनों का विश्लेषण कार्य चलता रहे | यह आपकी सेवा में सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेतू प्रेषित है |

Received by
Chemistry Dept.
@Hoods
13/04/23

भूमि परीक्षण अधिकारी
कलानौर

प्रेषक भूमि परीक्षण अधिकारी

कलानौर

प्रेषित प्रधानाचार्या,

राजकीय महाविद्यालय, महम

क्रमांक : 258 दिनांक : 08/12/2021

विषय : 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। अतः 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।

सलंग्न : लिस्ट।

भूमि परीक्षण अधिकारी
कलानौर

Taken Over

Handover

8/12/2021

Principal,
GOVT. COLLEGE
Meham (Rohtak)

Page No.
Date

Govt. College Mehan had received 1000 samples on 06th Jan 2023 and completed on 18th April 2023

@Mhoods
18/04/23

There were four students of B.Sc Final who performed the sample.

1. Pushkar — Pushkar
2. ~~Sanjay~~ Sanjay — Sanjay
3. Vijay — Vijay
4. Nitin Sharma — Nitin
5. Tina Sharma — Tina

@Mhoods
21/09/23

Sanjay
20/5/23

31 - 60

S.No	O.C	Phosphorus	Potassium	Sulphur	Zinc	Iron	Copper	Manganese	Boron	PH	EC
2152	0.0889	0.5	352	207.9	4.9	3.6	0.6	0.002	0.007	7.09	0.490
2181	0.06388	0.6	84.4	204.7	4.2	4.2	0.5	0.004	0.007	7.76	0.420
2144	0.6831	1.8	87.4	202.8	7.5	5.4	0.69	0.007	0.005	7.31	0.320
2192	0.8682	0.4	93.6	208.6	6.4	6.9	1.31	0.009	0.003	7.85	0.447
2074	0.6639	1.0	90.2	205.9	10.5	7.2	0.84	0.010	0.004	9.80	0.379
2179	0.8882	1.5	85.2	207.4	12.9	3.5	0.76	0.008	0.002	8.14	0.353
2051	0.6685	2.0	84.6	207.6	5.2	4.2	0.88	0.004	0.004	7.39	0.434
2170	0.6829	0.5	90.4	208.6	6.4	5.4	1.90	0.002	0.005	7.14	0.314
2057	0.6837	0.1	98.2	204.8	5.2	6.5	0.04	0.002	0.006	7.87	0.949
2076	0.6885	1.9	102.5	205.2	6.2	7.2	0.50	0.001	0.007	8.71	0.536
2154	0.6881	3.1	116.9	203.6	8.9	8.2	0.67	0.002	0.008	7.93	0.408
2054	0.6827	3.9	70.5	209.4	10.1	4.6	1.33	0.002	0.009	8.90	0.435
2172	0.6835	2.5	88.9	204.2	12.5	2.9	0.37	0.005	0.001	7.31	0.412
2150	0.8887	2.5	95.1	207.6	6.4	5.0	0.40	0.007	0.010	7.36	0.418
2078	0.6639	2.4	94.0	208.2	7.8	7.5	0.56	0.008	0.011	7.87	0.393
2149	0.0829	3.6	66.0	208.2	8.9	10.4	0.67	0.007	0.015	9.19	0.442
2080	0.0631	2.9	75.0	202.4	10.7	8.6	0.72	0.005	0.021	7.14	0.516
2124	0.6883	3.0	105.0	205.6	22.4	7.2	1.84	0.004	0.041	7.37	0.444
2104	0.8863	3.1	90.0	203.4	16.5	6.4	1.60	0.003	0.011	7.87	0.318
2171	0.0827	3.2	78.0	204.7	12.4	7.4	1.07	0.002	0.072	7.85	0.255
2169	0.0883	1.9	78.4	208.9	12.4	8.2	0.11	0.004	0.082	7.79	0.412
2151	0.6808	2.4	93.4	207.7	11.7	4.2	0.17	0.009	0.089	7.07	0.516
2178	0.3882	2.9	102.9	209.4	10.5	2.5	1.27	0.020	0.088	9.93	0.394
2140	0.8820	3.7	76.2	204.4	23.4	7.4	0.39	0.030	0.091	7.84	0.418
2182	0.863	1.2	86.8	205.2	15.7	3.9	0.58	0.004	0.010	7.76	0.512
2148	0.263	0.8	97.2	203.2	16.5	7.4	1.76	0.060	0.071	7.88	0.496
2011	0.8803	1.9	98.4	204.0	6.0	6.5	0.86	0.045	0.084	7.09	0.516
2162	0.6863	0.5	91.5	205.7	17.4	3.0	0.97	0.85	0.072	7.91	0.320
2133	0.6887	1.3	83.4	203.0	18.5	8.2	0.74	0.53	0.012	7.76	0.414
2050	0.0887	3.7	79.5	208.6	10.2	11.4	1.56	0.007	0.011	7.88	0.496

31 - 60

S.No	OC	Phosphorus	Potassium	Sulphur	Zinc	Iron	Copper	Manganese	Boron	PH	EC
2152	0.0889	0.5	352	207.9	4.9	3.6	0.6	0.002	0.007	7.09	0.480
2181	0.06388	0.6	84.4	204.7	4.2	4.2	0.5	0.004	0.007	7.76	0.420
2144	0.6831	0.8	87.4	202.6	7.5	5.4	0.69	0.007	0.005	7.31	0.320
2192	0.8682	0.4	98.6	203.6	6.4	6.9	1.31	0.009	0.003	7.85	0.447
2074	0.6639	1.0	90.2	205.9	10.5	7.2	0.84	0.010	0.004	9.80	0.379
2179	0.9882	1.5	85.2	207.4	12.4	3.5	0.76	0.008	0.002	8.14	0.353
2051	0.6685	2.0	84.6	207.6	5.2	4.2	0.88	0.004	0.004	7.39	0.434
2170	0.0809	0.5	99.4	208.6	6.4	5.4	1.90	0.002	0.005	7.14	0.314
2057	0.0837	0.9	98.2	204.9	5.2	6.5	0.04	0.002	0.006	7.87	0.949
2076	0.6885	1.6	102.5	205.2	6.7	7.2	0.50	0.001	0.007	8.71	0.536
2154	0.583	3.1	116.9	203.6	8.9	8.2	0.67	0.002	0.008	7.93	0.403
2054	0.0807	3.9	70.5	209.4	10.11	4.6	1.23	0.002	0.009	8.90	0.485
2172	0.6635	2.5	88.9	204.2	12.5	2.9	0.37	0.005	0.001	7.31	0.412
2150	0.8887	2.5	95.1	207.6	6.4	5.0	0.40	0.007	0.010	7.36	0.418
2078	0.6633	2.4	94.0	208.2	7.6	7.5	0.56	0.008	0.011	7.87	0.393
2149	0.0879	3.6	66.0	208.2	8.9	10.4	0.67	0.007	0.015	9.19	0.442
2080	0.0631	2.9	75.0	203.4	10.7	8.6	0.72	0.006	0.021	7.14	0.516
2124	0.6683	3.0	105.0	205.6	22.4	7.2	1.84	0.004	0.041	7.32	0.444
2134	0.8663	3.1	90.0	2034	16.5	6.4	1.60	0.003	0.061	7.87	0.318
2171	0.037	3.2	78.0	204.7	12.4	7.4	1.07	0.003	0.072	7.85	0.255
2169	0.0883	1.9	78.4	208.9	12.4	8.2	0.11	0.004	0.081	7.79	0.412
2152	0.6608	2.4	93.4	207.7	11.7	4.2	0.17	0.009	0.088	7.07	0.516
2178	0.3882	2.9	102.9	209.4	10.5	2.5	1.27	0.020	0.098	9.93	0.394
2140	0.8683	3.7	76.2	204.4	98.4	7.4	0.39	0.030	0.091	7.84	0.418
2182	0.863	1.2	86.8	205.2	15.7	8.9	0.58	0.004	0.010	7.78	0.512
2148	0.263	0.8	97.2	203.7	16.5	7.4	1.76	0.060	0.071	7.88	0.416
2011	0.8803	1.9	96.4	2040	6.8	6.5	0.86	0.045	0.084	7.09	0.516
2162	0.6663	0.5	91.5	205.7	17.4	7.9	0.97	0.85	0.072	7.91	0.320
2133	0.6887	1.3	83.4	203.0	18.6	8.0	0.74	0.57	0.112	7.76	0.414
2050	0.0687	3.2	78.5	208.6	10.2	11.4	1.56	0.007	0.111	7.88	0.496

121-150												
S.No	O.C.	Phosphorus	Potassium	Sulphur	Zinc	Iron	Copper	Manganese	Boron	pH	EC
2052	0.2625	61.4	0.40	201.62	16.2	17.62	17.59	7.55	4.766	7.83	0.360
2151	0.1625	65.2	0.49	201.57	15.7	17.51	17.68	7.40	4.709	7.45	0.379
2083	0.3286	66.7	0.51	202.99	16.5	17.69	17.70	8.52	4.605	7.63	0.365
2111	0.4221	60.8	0.6	203.52	16.7	16.62	17.69	6.43	4.699	8.01	0.359
2194	0.3265	70.2	0.4	204.61	14.6	15.57	16.68	7.50	4.101	7.53	0.393
2013	0.3258	67.4	0.6	202.62	17.3	16.76	17.89	7.80	4.715	7.28	0.352
2065	0.3210	68.9	0.7	203.71	17.0	17.39	16.50	6.54	4.602	7.56	0.401
2154	0.39494	71.3	0.5	204.62	18.4	18.31	17.98	6.42	4.509	7.82	0.381
2054	0.4534	65.2	0.4	202.62	12.5	17.52	18.01	7.96	4.601	7.34	0.387
2114	0.3982	67.6	0.8	202.71	14.0	17.91	17.11	7.80	4.678	7.67	0.384
2055	0.3985	66.2	0.3	202.77	15.7	13.52	17.28	7.49	4.789	7.80	0.395
2097	0.3582	68.1	0.4	202.78	16.2	13.29	15.28	6.52	4.689	7.35	0.376
2081	0.3992	64.0	0.5	202.79	16.3	16.72	17.83	6.39	4.748	7.58	0.411
2129	0.3525	65.3	0.6	202.59	16.4	15.62	17.64	7.40	4.688	7.80	0.402
2044	0.3885	62.8	0.4	202.61	16.2	16.72	17.68	5.62	4.588	7.89	0.422
2016	0.3785	62.5	0.3	203.79	17.6	15.62	17.69	5.23	4.691	7.43	0.527
2019	0.3580	65.4	0.5	204.68	14.8	17.63	17.88	7.89	4.799	7.56	0.412
2119	0.3935	66.3	0.6	207.71	15.9	17.01	17.69	7.20	4.598	7.94	0.365
2100	0.3535	67.2	0.4	208.91	15.3	16.98	16.98	7.42	4.650	7.52	0.409
2092	0.3857	67.4	0.7	203.72	16.2	16.53	18.50	7.35	4.728	7.70	0.391
2056	0.3833	70.9	0.6	208.69	14.9	16.54	17.69	7.32	4.704	7.76	0.448
2102	0.3867	70.2	0.4	208.72	15.2	15.41	17.39	6.89	4.744	7.84	0.730
2034	0.3862	65.9	0.3	204.32	15.2	17.59	17.68	6.25	4.698	7.86	0.561
2098	0.3962	63.8	0.2	210.69	16.7	16.53	16.70	7.02	4.768	7.36	0.412
2125	0.3563	65.2	0.4	208.71	16.3	17.69	17.59	7.10	4.780	7.49	0.404
2081	0.3865	59.2	0.3	207.61	14.9	15.52	17.99	7.48	4.781	7.45	0.379
2001	0.3871	70.2	0.4	211.61	15.6	19.62	18.99	7.22	4.703	7.36	0.592
2053	0.3855	67.6	0.4	204.72	17.3	20.24	17.60	7.49	4.798	5.98	0.479
2118	0.3675	68.2	0.5	206.73	18.0	15.82	15.70	7.56	4.638	7.21	0.415
2059	0.3735	64.0	0.6	208.69	17.4	14.62	17.58	8.03	4.790	7.83	0.409

996 - 997

S.No	OC	P	K	S	Zn	Fe	Cu	Mn	B	PH	EC
9997	0.6354	131.6	167.8	104.3	23.2	53.09	14.8	2.08	13.491	7.34	0.31
9848	0.3743	134.1	168.9	120.8	21.2	61.35	13.2	9.89	7.988	7.41	0.492
9815	0.5381	156.5	174.2	107.9	26.9	74.56	17.6	11.58	8.845	7.56	0.631
9945	0.6243	149.6	150.8	126.7	19.3	48.89	19.5	10.78	11.050	7.77	0.432
9911	0.8721	143.0	136.6	138.5	18.5	53.18	21.9	12.31	16.104	7.04	0.498
9874	0.3183	171.2	164.1	131.9	13.2	51.35	23.3	14.88	15.958	7.94	0.521
9812	0.3783	170.7	173.8	139.3	21.8	46.28	30.2	8.33	12.344	7.38	0.356
9859	0.3861	183.6	169.1	130.4	23.6	41.36	28.4	11.31	12.312	8.31	0.387
2866	0.3899	173.8	166.8	136.8	29.7	43.71	26.3	12.84	13.811	7.41	0.411
2414	0.3711	166.7	170.1	133.6	26.8	50.33	21.4	13.11	16.318	7.07	0.783

This has been verified by Soil Testing lab and found correct.

08/08/23

19/04/23

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 used 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.

12/05/23

Sanjay

Pushkar

Vijay

Nikin