

"Paraspar Deo Bhav"

Shri Gurudeo Shikshan Prasarak Mandal, Yeola's

**SWAMI MUKTANAND COLLEGE OF
SCIENCE YEOLA. DIST. NASIK 423401**

DEPARTMENT OF CHEMISTRY

Project Report on

SOIL ANALYSIS

Year 2018-2019

INDEX

1	Preface
2	Introduction
3	Methodology
4	Reports
5	Photographs

Introduction

Agro chemistry is a versatile subject therefore it is our moral responsibility to give an additional and latest knowledge regarding agricultures especially soil. As a social obligation, we are making a facility available of soil testing in free of cost. The parameters checked by us are related with the syllabus of practical course only. Parameters checked are PH, Calcium carbonate and percentage of organic carbon and nitrogen.



SWAMI MUKTANAND COLLEGE OF SCIENCE, YEOLA DIST- NASHIK

Department of Chemistry

NOTICE

Date: - 10/10/2018

All the students of T.Y.B.Sc. are hereby informed that we are going to conduct a project on "Soil Testing". During this project work, we are going to collect soil samples from the farmers from nearby fields and find the amount of content of some important minerals present in the soil to increase its fertility. This facility is totally free of cost. The students are instructed to remain present on 20/10/2018 at 10.00 am for collection of soil samples.

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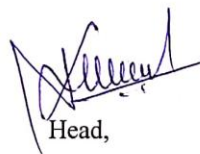
Preface

It is great pleasure to submit the project on Soil Testing conducted by Department of Chemistry of Swami Muktanand College of Science, Yeola.

Yeola Tahasil is draught affected since last 10 years. To increase crop yield, farmers always use fertilizers in excess. It is necessary to know contents & its extent in the soil so that they can add sufficient amount of fertilizers to meet the demands of the soil. Keeping this view in mind, our dept. has launched a project on soil testing which will fulfill the necessities of the people

We are thankful to our T.Y.B.Sc students for helping us in collecting soil sample as well as sample testing. We are also thankful to the farmers who extended their cooperation in conducting this project.

Lastly we are also thankful to our In-charge Principal Dr. R.B. Datir for giving valuable suggestions in conducting this project successfully.


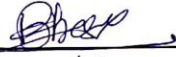
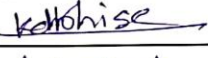
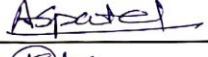
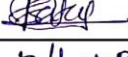
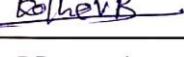
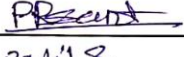
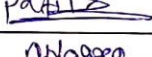
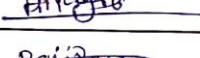
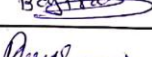
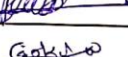



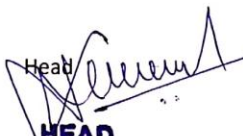
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Project on Soil Analysis- 2018-19





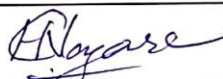
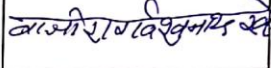


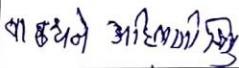

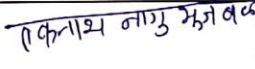

The following students actively participated in the soil Analysis project


Sr.No.	Name of the Student	Signature
1	Bagul Gorakh Dnyaneshwar	
2	Bhosale Ganesh Raosaheb	
3	Bhise Krushna Devidas	
4	Patel Ajeem Salim	
5	Aware Ramkrushna Bapurao	
6	Kolhe Vishal Bapu	
7	Sant Pravin Rajaram	
8	Patil Siddharth Ramesh	
9	Nagare Amol Haridas	
10	Khokale Rameshwar Bajirao	
11	Sonawane Sushil Pandharinath	
12	Wadhawane Gokul Ahilaji	

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Date : 10/1/2019

Farmers Involved in Soil Testing

Sr. No.	Name of the Farmer	Address	Signature
1	Mr. Patel Salim Suleman	Talwade Tal-Yeola Dist- Nashik 9665732344	
2	Mr. Bhosale Raosaheb Balaji	Talwade Tal-Yeola Dist- Nashik 9970327371	
3	Mr. Bhise Devidas Trambak	Erandgaon, Tal-Yeola Dist- Nashik 9545784962	
4	Aware Bapurao Ramrao	Dhondalgaon Tal- Vaijapur Dist- Aurangabad 9049053984	
5	Mr. Nagare Haridas Ganpat	Matulthan, Tal- Yeola Dist - Nashik 9975271306	
6	7] Mr. Khokale Bajirao Vishwanath	Adgaon Chothwa, Tal- Yeola, Dist- Nashik 9011646575	
7	Mr. Patil Ramesh Uttamrao	Erandgaon, Tal-Yeola Dist- Nashik 9860267202	
8	Mr. Sonawane Pandharinath	Saygaon, Tal- Yeola, Dist- Nashik 766846084	
9	Mr. Wadhawane Ahilaji Zipru	Kusmadi Tal- Yeola, Dist- Nashik 9561623150	
10	Mr. Kolhe Babu Jayaram	Hadapsavargaon, Tal- Yeola, Dist- Nashik 7775887629	
11	Mr. Bhujbal Eknath Nagu	Nandesar, Tal- Yeola, Dist- Nashik 9850044531	
12	Shelar Bhagwat Punja	Vikharni Tal- Yeola, Dist- Nashik 9075573789	


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स्वामी मुक्तानंद विज्ञान महाविद्यालय, येवला जि.नाशिक

रसायनशात्र विभाग

माती परीक्षण अहवाल

शेतमालकाचे नाव - मोसाळे शंकरराजे व्हा.राजी

पत्ता - महाराष्ट्र ता. येवला

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तारीख - 10/11/2019

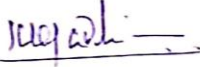
अ.न	अहवाल	पृथःकरण अहवाल	अहवालाचे स्पष्टीकरण
1.	आम्ल /विम्ल निर्देशांक / सामु -पी .एच	8.5	1. 6 पेक्षा कमी- आम्लयुक्त 2. 6.1 ते 8.5 - पिकास मानवणारे 3. 8.6 ते 9.0 - विम्ल होण्याच्या मार्गवर 4. 9.1 पेक्षा जास्त- विम्ल युक्त
2.	क्षारता	-	1. 1.00 - साधारण 2. 1.01 ते 2.00 पीक उगवण्यास नुकसानकारक 3. 2.01 ते 3.00 संवेदनाक्षम पिकवाढीस नुकसानकारक
3.	कॅल्शियम कार्बोनेट	20%	1.4 पेक्षा कमी- कॅल्शियम प्रमाण अत्यल्प. 2. 4 ते 10 - सामान्य 3. 10 पेक्षा जास्त- कॅल्शियमयुक्त


Received
by

मोसाळे शंकरराजे

10/11/2019

4.	स्फुरद- फॉस्फेट	-	1. 15 -अत्यंत कमी 2. 15 ते 30 -कमी 3. 31 ते 50 - मध्यम 4. 51 ते 65 - साधारण 5. 66 ते 80 - भरपूर 6. 80 पेक्षा जास्त- विपुल प्रमाणात
5.	पालाश - पोटॅश	-	1. 120 पर्यंत - अत्यंत कमी 2. 121 ते 180 - कमी 3. 181 ते 240 - मध्यम 4. 241 ते 300 - साधारण 5. 301 ते 360 - भरपूर 6. 360 पेक्षा जास्त - विपुल प्रमाणात
6.	ऑर्गॉनिक - कार्बन	0.810	1. 0.5 पेक्षा कमी - कमी प्रमाण 2. 0.5 ते 0.75 - मध्यम प्रमाण 3. 0.75 पेक्षा जास्त - विपुल प्रमाणात
7.	नायट्रोजन	0.82	-
8.	इतर(कार्बनी पदार्थ)	1.11	-


प्रकल्प प्रमुख


विभाग प्रमुख

प्राचार्य

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Dr. Patil V.V. demonstrating Collection of soil sample:



Students collecting the of soil sample with Prof. Jadhav K.K and Prof. Patil. P.N:





Students analyzing the soil samples in Laboratory:



Students analyzing the soil samples in Laboratory: