

Rayat Shikshan Sanstha's
Balwant college, Vita Dist – Sangli
Department of Chemistry
“Water & Soil Analysis”

Soil provides plants with essential minerals of nutrients soil provide air for gaseous exchange between roots and atmosphere soil protect plants from erosion and other destructive physical, biological and chemical activity. Soils hold water (moister) and maintain adequate aeration.

India is agrarian country agriculture with its allied sectors is the largest source of livelihoods in India 70% of its rural households still depend primarily on agriculture for this live hood, that means farming is the back bone of our county and for this farming soil plays an important role therefore in order to increase the (crop) yield, the nature of soil i.e. soil analysis is of great importance.

Soil provides essential minerals and nutrients to crop, thus the higher minerals or lower minerals in soil may affect the yield of formers. So, in order to maintain the condition of soil, analysis of soil is essential.

Likewise, water is also plays an important role in agriculture, polluted water affects the yield of crop and also health of human being. Hence Soil and water analysis is most importance and it is done by our college course are collected the samples of soil and water from various villages near Khanapur Tehsil for examples

1) kaledhone 2) Revangaon 3)Bhalavani 4) Ghoti 5) Tandalgaon 6)Renavi 7)Alsand 8)Mayani 9) Pare 10) Vita 11) Newari 12) Nimsod 13) Mendh 14) Nagewadi.

Based on which the nutrients application through fertilizes and manures to meet the crop specific needs are recommended for better soil health management and enhancing economic return to farmers clients. The suitably or quality of waters for irrigation purpose is also tested for crops

In order specify the exact quality of soil and water of farmers of here by area of college are run the course We successfully analysed some of the parameters of Soil and water

Duration: - 06 Months.

Outcome:

- The Students got confidence & hand on preparation of Soil and Water analysis Such as Ph, Conductance, Dissolved Oxygen. Total Dissolved Solid, Alkanity Acidity, Free Carbon Dioxide etc.