

DETERMINATION OF SOIL COMPOSITION – WITH RELEVANCE TO THE PHYSICAL AND CHEMICAL NATURE OF BLACK SOIL SAMPLE

Neeta More¹, Mukul Barwant² & Archana Hargude³

¹*Research Scholar, Department of Botany, S.N.D. Arts Commerce and Science College, Yeola, Nashik, Maharashtra, India*

²*Research Scholar, Department of Botany, Sanjivani Arts, Commerce and Science College Kopargoan, Ahmednagar, Maharashtra, India*

³*Research Scholar, Department of Botany, S.S.G.M. College Kopargoan, Ahmednagar, Maharashtra, India*

ABSTRACT

Agriculture is backbone of the economy of a country. Soil is important factor for the agricultural production of crop and crop products. It is the medium through which, nutrient and growth factor is made available to the plants. Soil is the raw source of ground water. Soil contains essential macronutrients and micronutrients, which are necessary for the growth. Agricultural product quality depends on soil quality. Soils have different chemical composition such as macronutrients, micronutrients such as calcium, magnesium, iron, zinc, potassium which decide the chemical status. For this purpose, we do investigate such components in this study. Chemical properties are decided by different chemicals like, calcium carbonate. For the collection of soil sample, we have selected farmer's land, from where we took different samples from the field. Then, we had to decide the Physical nature of the soil. The physical nature decides the different parameter such as Ph, Electric conductivity, color, water holding capacity. The Acidity and basicity are determined by crop productivity salt resistance. The overall investigation was done on the chemical and physical characteristics of the selected soil sample.

KEYWORDS: *Black soil, Agriculture, Chemical Composition, Physical Nature*

Article History

Received: 13 May 2020 / Revised: 14 May 2020 / Accepted: 26 May 2020
