

Study of Physical and Chemical Characteristics of Soils of Kapurthala District in Punjab, NW-India

Jaihoon Rafie¹ and Raj Kumar²

^{1,2}*School of Agriculture, Department of Soil Science and Agriculture Chemistry
Lovely Professional University, Phagwara, Punjab, India*

Abstract—*The present study is conducted to understand the physical and chemical characteristics of soil of Kapurthala, the Kapurthala district lies between the latitudes of 31°07'30" N and 75°54'60" E, it's the smallest district of Punjab, and as per provisional population figures of 2011 Census it covers a total of 1670sq. km area. Earlier soil of Kapurthala district studied by (Uppal H.L 1957, Sharma et al 1982, Sehgal et al 1992), after this lot of change in cropping pattern and soil characteristics has taken place due to adoption of reclamation of salt affected soils, scrapping of sandy layers and introduction of intensive farming practices owing to green revolution. As such it is of highest importance that the physical and chemical characteristics of these soils were studied in the laboratory. It involved the study of sixteen soil profile in the field, location of all pedons recorded with the help of global positioning system (GPS) ,horizon wise soil samples were collected and the physical and chemical analysis of the soils were studied in the laboratory.*

Keyword: *Soil Survey, Soil physical and chemical characteristics, Green Revolution Effect.*