RELATIONSHIP OF SOIL STRENGTH OF BULK DENSITY AND MOISTURE CONTENT OF THE SOIL

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ABSTRACT

Investigations were made to find relationship of soil strength with bulk density and moisture content of the soil profile in the southern part of the province Livorono, Italy. It was found that soil strength (mm) increased with increase of bulk density (g cm^{-3}) and the relationship was linear provided the moisture content was almost constant. Also, the soil strength increased with the decrease in of moisture content provided the bulk density remained the same. This indicated that soil strength is dependent upon bulk density and moisture content of the soil profile.