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The effect of crop rotation duration in sandy soil nutrition (Northern Darfur)

Ekram Soulimn Guma

University of Khartoum, Sudan

The aim of study is to estimate the impact of crop rotation duration on sandy soil characteristic nitrogen and organic carbon component in soil. Sample collected from northern Darfur state (Alkowma) using GPS techniques, from different Auger, profiles, from bare soil and planted farm (same years) soil physical and chemical analysis Was performed at Sudan University Laboratories, mechanical analysis result shows that according to texture triangle it is sandy soil with max (81- 87)%, clay percentage is between (12-14) while silt range (0-4) soil PH and EC the PH reaction (7.6 - 8.2) EC range (0.1 -0.3), soil cations and anions the high amount of ca +mg is (3.1), when Na range between (2-5) , K is very few (0.05 -0.2) soil bicarbonate

in sup surface (0.6-1.2) and in the surface (0.8 -1.8),N is very low (0.02) ,while P range between (.05 -1.5) CEC in soil (4.84 - 8.71).

Biography

Ekram Soulimn Guma has completed BSc from Sudan university, agricultural studies, soil and water science department. he worked as co assistant teacher in Sudan university, and co assistant at national center for research and Khartoum university lab, present he is doing his MSc at Khartoum university soil and environmental science.

ekramsoulimangama@gmail.com