



## Field Techniques for Reclamation of Salt Affected Soil in Dongola Area : Effect of Irrigation, Furrow Length and FYM on Salt Leaching and Barley Production under Saline Sodic Soil in Dongola Area

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LAP Lambert Academic Publishing Feb 2018, 2018. Taschenbuch. Condition: Neu. Neuware - Salt-affected soils are found in Northern part of Sudan, in arid and semi-arid climates where there is a scarcity of rainfall, and reclamation of these soils is very important. Dongola area is mostly affected by desertification and salinization. In this research, two field experiments were conducted to study the effect of irrigation frequency (I), furrow length (F) with addition of different rates of Farm Yard Manure (FYM), on salt leaching using barley as a test crop. Generally, the results showed that the frequent irrigation with furrow length 5 meter and addition of FYM at rate of 5 ton./fed. enhanced salt leaching from the plant root zone and yielded the highly crop production. 120 pp. Englisch.

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