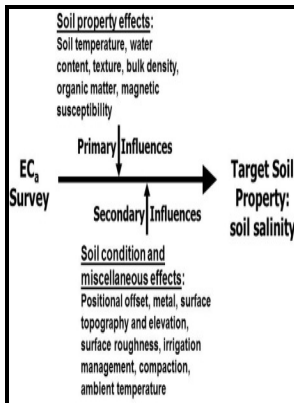


Controls on and reduction of the sodicity hazard of soils of the Euphrates valley (Syria).

University of Salford - Climate, history, and demography : a case



Description: -

-Controls on and reduction of the sodicity hazard of soils of the Euphrates valley (Syria).

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Contributions to the study of mass media and communications, Québec Dossier Économique du Ministère de l'Industrie et du Commerce -- Thetf

DX181353Controls on and reduction of the sodicity hazard of soils of the Euphrates valley (Syria).

Notes: PhD thesis, Geography.

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Awadis Arslan

Sodicity describes the amount of sodium that is present in the soil. Additionally, bulk flow of water in the plant facilitates long- and short-distance translocation, such as of carbohydrates from the photosynthetic production sites at the shoot throughout to the roots, and transport of minerals from the uptake sites at the roots to the shoot. They found an inverse correlation between palygorskite and smectite with soil available moisture Figure 9.

High-magnesium waters and soils: Emerging environmental and food security constraints

Plots were grouped into three categories L, M and H based on their canopy cover L:19% and selected to limit variations in slope across canopy cover groups.

Soil Salinity: Historical Perspectives and a World Overview of the Problem

The importance of secondary salinization is likely to increase even further following the future extension of dryland areas and higher frequency of water shortage periods, as a result of climate change, and the consequent increase of irrigation needs Williams, 1999. In southern Iraq in 3500 BC, both wheat and barley were equally important cultivated crops, though after 100 years wheat had slipped to one sixth, and by 2100 BC, its cultivation had become almost insignificant, dropping to only 2%.

PROBLEMS AND EFFECTS OF IRRIGATION IN THE NEAR EAST REGION

Generally speaking, saline soils occur in arid and semi-arid regions where rainfall is insufficient to meet the water requirements of the crops, and leach mineral salts out of the root-zone. Kovda and Szabolcs reported global distribution of salt-affected soils as 954 million ha.

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They further indicated that the valuation of the cost of salt-induced land degradation has been mainly based on estimates of crop production losses.

The results are visualized as graphs, maps and tables, and showed that by application of the first three scenarios, the critical point water deficiency will disappear with obtaining surplus about 38% comparing with RF , to achieve water needs of Homs-Hama networks third priority in case of normal years and high irrigation efficiencies in 2050. They found a positive correlation between the amount of palygorskite and those of gypsum and calcite.

Climate, history, and demography : a case

Hematite in this study is claimed to be of lithogenic origin and mostly dissolved as a result of water-logging Vodyanitskii et al. The hypothesis that urban collapse in the Near East was partially or entirely the result of climate change has however remained controversial for the last 15 years Akkermans, Schwartz 2003.

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