

crop production with saline pdf

area analysed the current status of saline water use in irrigation and examined water, soil and crop management techniques relating to the use of saline water for crop production. The conclusion of the Expert Panel was that there is good potential for the safe use of saline water for crop production.

The use of saline waters for crop production

Irrigation Water Salinity and Crop Production STEPHEN R. GRATTAN, Plant-Water Relations Specialist, University of California, Davis Irrigation water quality can have a profound impact on crop production.

Irrigation Water Salinity and Crop Production - USDA

Use of Saline Drain Water for Crop Production Some irrigated regions of California accumulate saline drain water as a result of the leaching needed to maintain crop production, but they have limited options for disposal of this saline water. Reusing saline drain

Drought Tip: Use of Saline Drain Water for Crop Production

house experiment was conducted with shallow saline water table for model verification. Results of multiseasonal simulation of cotton production under shallow saline water table conditions were reported by Cardon (1990). The research reported in this paper extends the study of Cardon (1990).

Simulated crop production under saline high water table

Crop Production with In-Situ Use of Shallow Saline Groundwater, Reuse of Drainage Water and Active Drainage System Management DWR Agreement No. 4600002265

Crop Production with In-Situ Use of Shallow Saline

Crop Production In Saline Environments Global And Integrative Perspectives [PDF] Keywords crop production in saline environments global and integrative perspectives, pdf, free, download, book, ebook, books, ebooks

Crop Production In Saline Environments Global And

This review evaluates management practices that may minimize yield reduction under saline conditions according to three strategies: (I) control of root-zone salinity; (II) reduced damage to the crop; (III) reduced damage to individual plants.

Crop production and management under saline conditions

Sustainable Crop Production in the Saline Environment In India estimated losses vary in different command areas. Crop wise the pure effect of soil salinity in declining yield ranged from low level of about 3 to 1 percent for sugarcane and wheat in parts of western Yumana canal and the Bhakra system to a high level of ...

Sustainable Crop Production in the Saline Environment

Sharma DR (2008) Technologies for efficient use of saline water for sustainable crop production. In: Yaduvanshi NPS, Yadav RK, Bundela DS, Kulshreshta N, Singh G (eds) Chemical changes and nutrient transformations in sodic/poor quality water irrigated soils.

Sustainable Crop Production using Saline and Sodic

plants for saline to sodic soil conditions Salt tolerance is the relative ability of a plant to endure the effects of excess salts in the soil rooting medium in order to produce a satisfactory stand or yield.

PLANTS for SALINE to SODIC SOIL CONDITIONS - USDA

saline soils are calcium and magnesium. Saline soils commonly have visible salt deposits on the surface and are sometimes called "white alkali" soils. Most salts in soil solution have a positive effect on soil structure and water infiltration. Therefore, water penetration is not a major concern with saline soils.

for Crop Production - OSU Extension Catalog

Answer: Increased soil salinity levels can greatly effect plant growth and production. Some soils are naturally high in salinity but most salinity problems on farms are increased by farm practices. Some soils are naturally high in salinity but most salinity problems on farms are increased by farm practices.

How does soil salinity affect crop production?

Get this from a library! Drought Tip: Use of Saline Drain Water for Crop Production. [Mark E Grismer; Khaled M Bali;] -- Some irrigated regions of California accumulate saline drain water as a result of the leaching needed to maintain crop production, but they have limited options for disposal of this saline water. ...

Drought Tip: Use of Saline Drain Water for Crop Production

Sustaining Crop Production in Saline Groundwater Areas . M.N. Asghar, A.S. Qureshi, S. Ahmad and I. Masih term effects of skimmed groundwater use on crop production and soil salinity development, the soil water flow and solute transport model SWAP was applied. The results revealed that farmers could reduce the number of

Root Zone Salinity Management for Sustaining Crop

Sustaining crop production in saline groundwater areas: A case study from Pakistani Punjab Article (PDF Available) in Australian Journal of Agricultural Research 55(4) Â· January 2004 with 138 Reads

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