

ชื่อเรื่อง

Impact of Growing Vetiver Grass on the Water Holding Capacity & Moisture Percentage of Soil the Wasteland

ชื่อผู้วิจัย

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Abstract

The paper summarises research results of the use of vetiver grass to improve the water holding capacity and moisture percentage of soil in wastelands. Water holding capacity and moisture percentage are the two important soil factors governing productivity. Vetiver grass was grown in an area with known water holding capacity and soil moisture percentage for 20 months. A control plot was maintained without vetiver grass. Soil samples were collected once a month, in control and treated plots. Water holding capacity and soil moisture percentage were determined by standardized methods. When compared with control plots, the treated plots show a 20% increase in water holding capacity & soil moisture percentage over control. Positive correlations were made between root biomass and the two soil parameters studied.