



Micro-topography area State Grid





Overview

Based on long-term meteorological observations and characteristic analysis of icing weather in a certain area, the icing micro-topography area can be classified into three categories as follows. It is characterized by the abundant surrounding water system, large icing area, and good. Micro-topography, within a sustainability framework, denotes the subtle variations in land surface elevation and composition occurring at a scale of centimeters to meters, critically influencing localized hydrological processes and nutrient cycling. These minute topographical features dictate water. For the requirement of refinement prediction of transmission line icing thickness, this paper presents an icing thickness correction method which combines the prediction using low spatial resolution with the correction of micro-topography features. It can be simplified to 3 kinds of. This study aims to explore the relationship between slope micro-topography and aggregate stability, and to observe the spatial distribution of aggregate stability after water erosion. Water erosion is one of the most pervasive forms, occurring when rainfall or surface runoff dislodges and moves soil particles downhill or downstream.



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Micro-Topography -> Area -> Sustainability

Micro-topography, within a sustainability framework, denotes the subtle variations in land surface elevation and composition occurring at a scale of centimeters to meters, critically influencing ...

Changes in micro-relief during different water erosive stages of purple

This study investigated the variation characteristics of micro-topography during successive erosive stages of water erosion: splash erosion (SpE), sheet erosion (ShE), and rill ...



Spatial Distribution and Relationship between Slope Micro ...

This study aims to explore the relationship between slope micro-topography and aggregate stability, and to observe the spatial distribution of aggregate stability after water erosion.



Study on transmission line icing prediction based on micro ...

In this paper, the identification of micro-topography and the prediction method of the icing thickness on the transmission line in micro-topography are proposed.



Representing effects of micro-topography on runoff generation and ...

We model the impact of micro-topography on surface/subsurface interactions. We are using distributed rill storage height variations to represent micro-topography. We test whether rill ...



Micro-Topographic Characteristics in Coordinate with Surface ...

elevation (usually no more than 5-25 cm) in a relatively small area. It can be simplified to 3 kinds of terrains -- the plane, slope and uneven terrain, which correspond to a row of probe points and their ...



The Science Behind Microtopography and Erosion Control

Microtopography refers to the small-scale variations in surface elevation and texture within a landscape. These variations occur over spatial scales ranging from millimeters to meters.

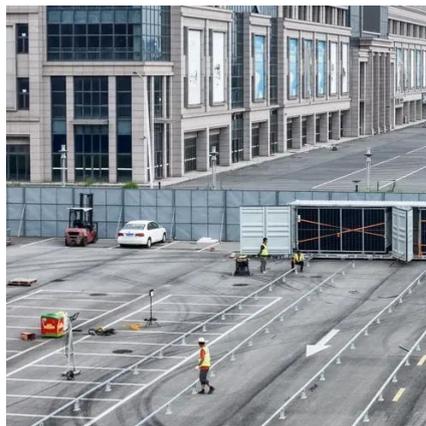


Using Microtopography to Improve Soil



Drainage , Live to Plant

Microtopographic complexity increases the effective surface area exposed to rainfall. Rather than water flowing uniformly over a flat surface, it encounters discontinuities that slow its flow ...



Characterizing Peatland Microtopography Using Gradient and

Our results suggest that the conceptualization and classification of microforms can significantly influence microtopographic structural metrics. The three explicit methods for microform classification ...

Soil thickness influences the control effect of micro-topography on

We conducted high-resolution monitoring of soil moisture, instantaneous water table, and subsurface runoff in two 3D plots with different soil thicknesses (66 cm vs. 35 cm) in the karst region ...





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Phone: +48 22 426 71 90

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