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[Abstract Title]

A Study on the Exposure of Highland Barley Natural Disasters under the Background of Climate Change

[Abstract]

Under the background of future climate change, the research on the exposure of highland barley natural disasters in the Qinghai-Tibet Plateau includes two aspects: one is to construct the evaluation index system of highland barley natural disasters; the second is to explore the natural disaster exposure assessment of highland barley under future climate change scenarios. The evaluation of highland barley exposure in future climate change scenarios is mainly concerned with the trend, fluctuations and exposure changes of highland barley under the climatic factors (such as temperature, precipitation, sunshine duration, etc.). The future barley exposure assessment can be divided into four dimensions: one is the scenario dimension, which mainly includes different future climate change scenarios; the second is the hazard factor dimension, which mainly includes the trends, fluctuations and extreme conditions of each hazard factor; the third is the exposure The index dimension mainly includes the exposure range, exposure area, exposure yield and exposure time of barley; the fourth is the time dimension, including the historical period and the future period. In this evaluation model, we analyze the temporal and spatial changes of highland barley exposed to future climate change scenarios.



[Keywords]

highland barley; natural disaster exposure; Qinghai-Tibet Plateau; climate change