

综述与评述

高温热浪与干热风的危害特征比较研究

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摘要:

综述了高温热浪与干热风气象灾害在危害特点、类型与指标、气候特征、形成原因、对全球气候变暖的响应、防御技术与应对策略等6个方面的内容。并对两者进行了比较,高温热浪和干热风既有共同点又有区别和联系,两者均是一种较短时间尺度的重大天气灾害,高温低湿是两者主要的基本天气特征;在形成原因——主要是环流特征异常和对全球气候的响应等方面两者基本上是一致的;在同一地域同一时间两者也可能同时发生;在干旱季节有利于这两种灾害的发生发展和加重危害。在危害特点、类型与指标、气候特征、防御技术与应对策略等方面有所不同,高温热浪是一种综合性的气象灾害;而干热风是一种农业气象灾害。

关键词: 高温热浪 干热风 危害特征 比较研究

Comparative Studies on the Harm Characteristic of Hot-dry wind and High Temperature Heat Waves

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Abstract:

This paper summarized six aspects such as the harm characteristics, type and index, climatic characteristics, causes, responding to globe changes, protecting technology and answering tactics of hot dry wind and high temperature heat wave. There is distinction and relationship between hot dry wind and high temperature heat wave. This includes that both of hot dry wind and high temperature heat wave belong to serious shorter time scale weather disasters. Lower humidity and higher temperature are their main characteristics. The two causes of abnormal circulation characteristics and impacts of the disasters from climate change are basically the same. The disasters may occur in the same area during the same period. Arid season is helpful for their development and aggravation damage. There are differences on harm characteristics, type and index, climatic characteristics, protecting technology and answering tactics in this two weather disasters in that the high temperature heat wave is the comprehensiveness meteorological disasters and dry hot wind is the agrometeorological disasters.

Keywords: High temperature heat wave hot-dry wind harm characteristic comparative study

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