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Title

Review on farmer's climate change perception and adaptation.

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Abstract

As the most serious challenge that the humankind is facing, climate change has been strengthened vulnerability. How to scientifically adapt to climate change has become the global issue of common concern to the international community today. The impact of climate change on farming people depending on the nature resource is especially remarkable, and understanding farmers' adaptation mechanism and process is very important to effectively make the adaptation policy. As the basis of understanding the human response action, public perception has provided a new perspective to verify the farmers' adaptation mechanism and process about climate change. Based on the recent theoretical and empirical developments of farmers' perception and adaptation, the impact of climate change on the farmers' livelihood was analyzed, and the main adaptation obstacles which the farmers faced in response to climate change were summarized systematically. Then, we analyzed the relationship between the farmers' climate change perception and adaptation, illuminated the key cognitive elements in the process of the farmers' climate change adaptation and introduced the framework to analyze the relationship between the farmers' climate change perception and adaptation. At last, this review put forward the key questions which should be considered in study on the relationship between the farmers' climate change perception and adaptation.

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