# Farmer's Perception on Climate Change

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**Abstract**—*Now-a-days climate change is a big issue all over the world .It causes effect on environment and also hampers the agricultural production vastly. The farming communities are well aware and have little knowledge on climate change but in most of the time it is not appropriate. In micro farming situation they could not understand the effect of climate change; naturally they have not yet practiced any adaptation option. Keeping in view the preceding discussion the study was undertaken entitle "FARMER'S PERCEPTION ON CLIMATE CHANGE AND ITS IMPACT ON AGRICULTURE" with the objectives -1. To study the socio-economic, socio-personal and communication characteristics of the selected respondent. 2. To estimate and analyze the meteorological data. 3. To measure the perception of farmer's on climate change. 4. To estimate and elicit the impact of climate change on agricultural productivity. The study was conducted in kastodanga village under Haringhata Block of Nadia District of West Bengal with total respondents were one hundred (100). The study reveals that the socio-economic condition of the respondents is medium. So far as perception on climate change is concerned the farmer's are well aware (96%) and possess knowledge (95%) which they have got from the mass media and scientific publication and the people from the KVK as well. But they failed to express that how the climate change actually hampered their productivity. The farmer's data on meteorology did not match with the actual meteorological data. The analysis of meteorological data on perception of climate change especially on rainfall and temperature is clearly indicative of the fact that the response was given on the basis of their day to day experiences over farming practices. The impact of climate change on productivity has also been recorded that effect of excessive rainfall on pest and disease attack (93%) which followed by low production (92%).*

**Keywords***: Farmer's perception, Climate Change.*