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A REVIEW

Impact of climate change and their mitigation for better sugarcane production

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Abstract : Sugarcane is a climate sensitive crop; its spatial distribution on the globe is restricted as per the suitability of various climatic parameters. The climate change is now accelerated due to natural, as well as enormous human activities disturbing the composition of atmosphere. The predications of various climatic models for probable rise in temperature, rainfall, sea level show an alarming condition in forthcoming decades. As the sugarcane is very sensitive to climatic parameters therefore, a significant effect on its production and sugar yield is expected in future. Sugarcane is one of the precious crops of the world and its end products *i.e.* sugar and ethanol has a continuous growing demand. Hence, the studies on good production of sugarcane in changing climate has become front line area of research and is a major concern of sugarcane scientist. An advance agronomic practice seems to be the effective measures for obtaining high production of sugarcane with good quality juice.

Key Words : Sugarcane, Climate change, Agronomy, Soil

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