Abstract

Agriculture is the mainstay in Indian Economy and only sustainable agriculture is likely to provide the long-term benefits required to achieve development and scarcity improvement. The research and advancements in agriculture have made available huge amounts of data in different areas of agriculture. It is a great challenge to extract knowledge from data and this has led to methods and techniques such as decision support system that can bridge the knowledge gap. The effectiveness of decision making in agriculture domain can be improved by integrating geospatial information and advanced information technology techniques. This paper reviews and summarizes the application of simulation based decision support system, advisory decision support system in different agriculture practices in Indian context.

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**Index Terms**

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