

## REDUCING HYDROLOGIC RISK IN *KHARIF* RICE FROM CARRYOVER EFFECT OF RAINFALL: A REVIEW

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**Abstract:** In agriculture, the primary production systems face the risk of failure. Therefore, a more in depth analysis is needed by incorporating useful plant and soil properties in for reducing water stress in *kharif* rice. The approach to determine effective rainfall in watershed could be more focused on the inter-relationship amongst plant, soil and climatic factors, considering the sensitivity of different plants to varying levels of water availability due to water transfer within watershed. Similarly, the assessment of water availability *vis-a-vis* growth risks could be done more realistically through water balance study. The best recommendation is suggested to reducing hydrological risk.

**Keywords:** Hydrologic risk, Rainfall, Water balance studies, Effective rainfall

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