



## Irrigation Management :: Necessity of Irrigation

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- **Uncertainty of monsoon rainfall:**  
80% of rainfall in India is received during monsoon period. Monsoon rainfall is very uncertain. So irrigation is very important to supply water to plants also and when needed.
- **Uneven distribution of rainfall:**  
To compensate the uneven distribution in an area, supplemental irrigation is needed.
- **Effect of winter rainfall (N India)/ Effect of SWM in S. India:**  
Supplemental irrigation is inevitable in the regions due to poor rainfall.
- **Cultivation of high yielding crops:**  
High yielding crops produce heavy biomass and economic yield. Higher biomass need more water for its production. Hence supplementation of water as irrigation is essential.
- **Difference in water holding capacity of the soil:**  
Sandy soil - low WHC – frequent irrigation. Clay soil - high WHC - frequency is less.