

2(a). Three weather codes and crop production

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What is Weather Code ?

- Proposed by Prof.Dr. M.S.Swaminathan
- Weather code is defined as extreme change in weather performance especially on rainfall within it's boundary under seasonal scale.
- Periodicity of change in weather code in a region has regular rhythm under non-climate scenario, but under climate change scenario, so far no rhythm identified

Types of Weather code

Name of the code	Quantification of seasonal rainfall based on India Meteorological Department
Flood code	+59 to +99 of seasonal rainfall over mean seasonal rainfall in a region
Normal code	+19 to (-) 19 per cent from the seasonal rainfall in a region
Drought code	(-) 59 to (-) 99 per cent from the mean seasonal rainfall in a region

How to know the coming season weather code in advance ?

- Seasonal climate forecast
- Long range weather forecast
- Indigenous knowledge
- Regional weather record
- One's personal experience

Management of Three weather codes

- Preparation of contingency plan for each weather code in respect of crop selection and technology selection based on the resource availability at village level in consultation with farmers, agricultural scientist and extension workers. This will minimize crop production risks at the expected level
- Developing village level climate records over years
- Selection of village leader as climate manager / monsoon manager and get trained at Agri.University