

2(c). Weather sensitive crops, stages and farm operations



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What is Weather sensitiveness?

Weather sensitiveness can be defined as, under a prevailing weather condition the crop growth gets stopped or crops show sensitiveness to unfavorable weather. This may be for a crop or crop stages of a particular crop or particular farm operations.

This is important to tailor weather based agro-advisories

Weather Sensitive Crop

Weather sensitive crops

Climate influences the distribution of crops over different regions of the world and hence temperate crops are sensitive to weather that prevail in plain areas of tropical climate.

Example

Apple, plum broccoli of temperate climate have weather sensitiveness to tropical climate

Weather Sensitive Crop Stages

Weather sensitive crop stages

A particular stage of a crop is weather sensitive to a weather that prevail during crop growing period

Example

- Higher maximum temperature during vegetative stage of wheat crop
- Cloudiness that prevail from flowering to maturity stage in rice crop
- The primordial initiation, ovary development and button size nut in coconut are sensitive to soil moisture availability
- Prevalence of low minimum temperature during pod formation stage

Weather Sensitive Farm Operations

Weather sensitive Farm operations

A particular farm operation of a crop is weather sensitive to weather that prevail during crop growing period

Example

- Prevalence of rain/drizzling during cotton picking
- Delayed on set of rainfall in dry land farming for timely sowing
- Prevalence of cyclonic wind and rainfall during harvesting of rice