

# **Cropping Seasons**

# Concept

- The season of the year when a particular crop is normally grown is the season of that crop.
- It indicates the distribution of crops in a year on the basis of climatic requirement as different seasons are characterized by different climatic characters that normally affects crop germination, growth, flowering and finally yield.

# Types of cropping season

- Kharif-I
- Kharif-II
- Rabi

# Kharif-1

Mid March to mid July.

**Major crops:** Jute, Aus rice, summer vegetables, Cotton, Sesame, Pigeonpea etc.

# Kharif-2

Mid July to mid November.

**Major crops:** T. aman, B. aman, Soybean,  
Groundnut, Late summer vegetables etc.

# Rabi

Mid November to mid March.

**Major crops:** Wheat, potato, mustard, boro rice, winter vegetables, lentil, tobacco, soybean, etc.

**All seasons:** Groundnut, BR 3, Maize, Sesame  
etc.

# Characteristics of Kharif-I

- Initially attacked by drought
- Disease, insect and weed incidence high due to high temperature and humidity
- Photosynthetic activity low due to cloudy sky
- Respiration rate is high compared to photosynthesis that enhance growth process life span becomes faster
- Latter stage affected by natural disaster e.g. flood, storms etc.
- Life span of the crop is short compared to other season
- Lodging effect due to storm.

# Characteristics of Kharif-II

- Temperature comparatively low than Kharif-I
- Respiration rate is lower than Kharif-I
- Photosynthetic rate higher than Kharif-I
- Disease, insects and weed attack is less
- Less cloudy sky than Kharif-I
- Life span of the crop is higher than Kharif-I

# Characteristics of Rabi

- Net photosynthesis is higher than other seasons due to low temperature & shiny sky
- Respiration rate is lower than others due to low temperature
- Less weed infestation
- No lodging effect

# Influence of cropping season on crop yield

- As different cropping seasons are characteristically different from each other so they significantly influence crops yield, although same crop variety grown.
- For example – If BR 3 rice variety grown in different seasons, yield trend will be Rabi > Kharif-II > Kharif-I.