



# CLASS – 10

## SOCIAL SCIENCE

### Contemporary India-II

#### CH-4 : Agriculture

#### Part – 2

#### Cropping Seasons

#### Pankaj Vaishnav

# OVERVIEW



1. Type of Farming Practices in India

2. Cropping Seasons

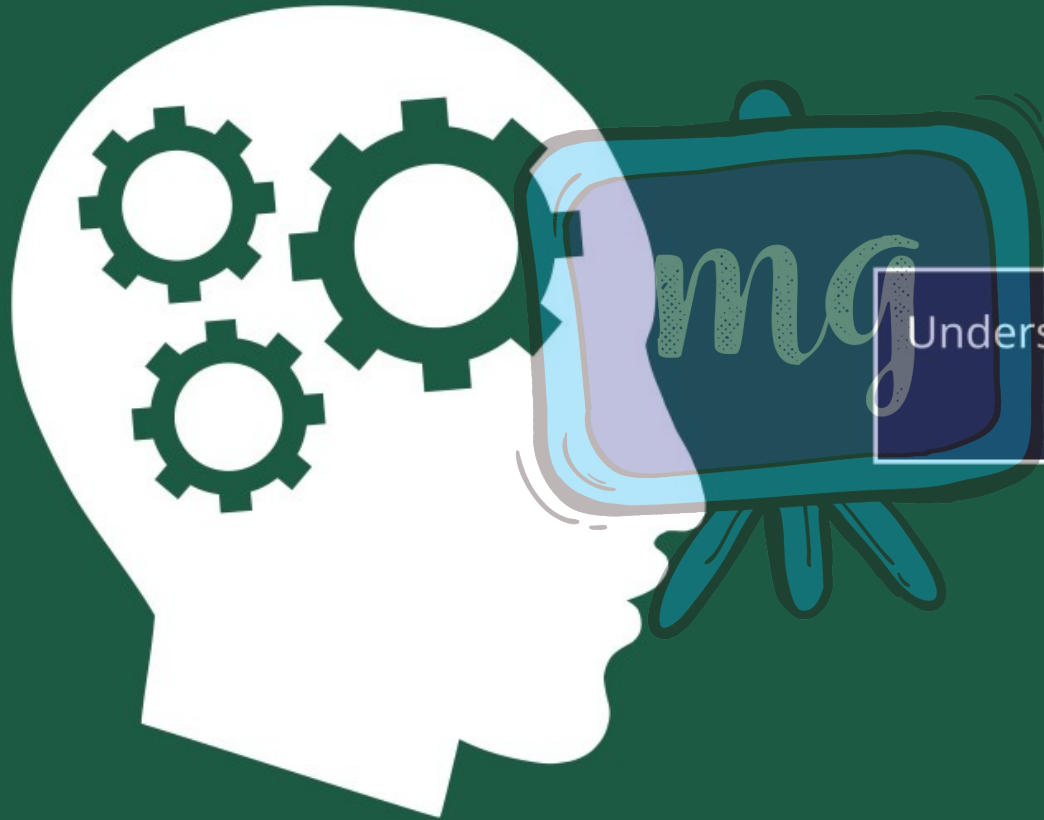
3. Major Crops

4. Other Food Crops & Horticulture Crops

5. Non-Food Crops

6. Technological & Institutional Reforms

# COMPETENCY BASED LEARNING



Understanding of Cropping Seasons  
in India

# CROPPING PATTERN

India

mg

- ✦ Physically Diverse
  - ✦ Culturally Plural
- It reflects in

- ✦ Agricultural Practices
- ✦ Cropping Pattern

# IMPORTANT CROPS GROWN IN INDIA



# CROPPING SEASONS

✓ 1. RABI

✓ 2. KHARIF

✓ 3. ZAID

# 1. RABI



✓  
Wheat



✓  
Peas



✓  
Grams



✓  
Mustard

▮ Sown in Winter

(October to December)

▮ Harvested in Summer (April to June)

▮ Important Crops

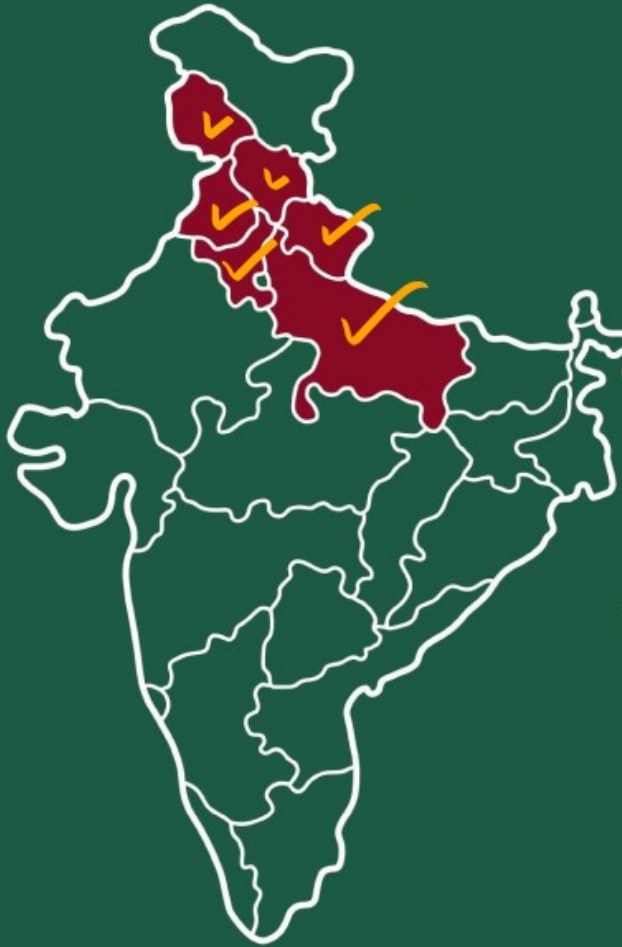
✦ Wheat

✦ Barley

✦ Peas

✦ Gram

✦ Mustard



## Major Producer

- ✦ Punjab
- ✦ Haryana
- ✦ Himachal Pradesh
- ✦ Jammu-Kashmir
- ✦ Uttarakhand
- ✦ Uttar Pradesh

(North and North-Western Parts)

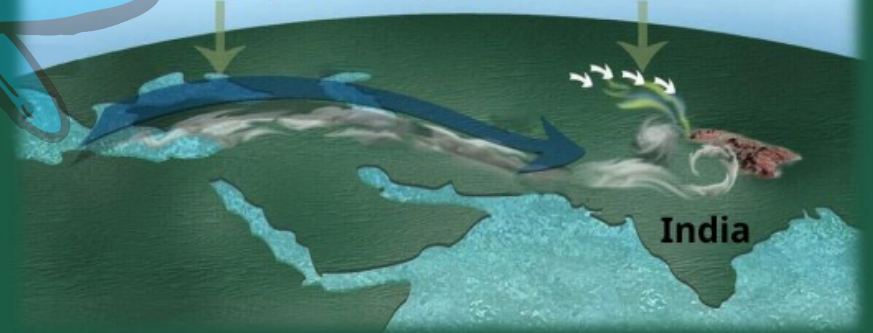
## ▮ Precipitation in Winter

✦ Helps in growth of Rabi Crops.

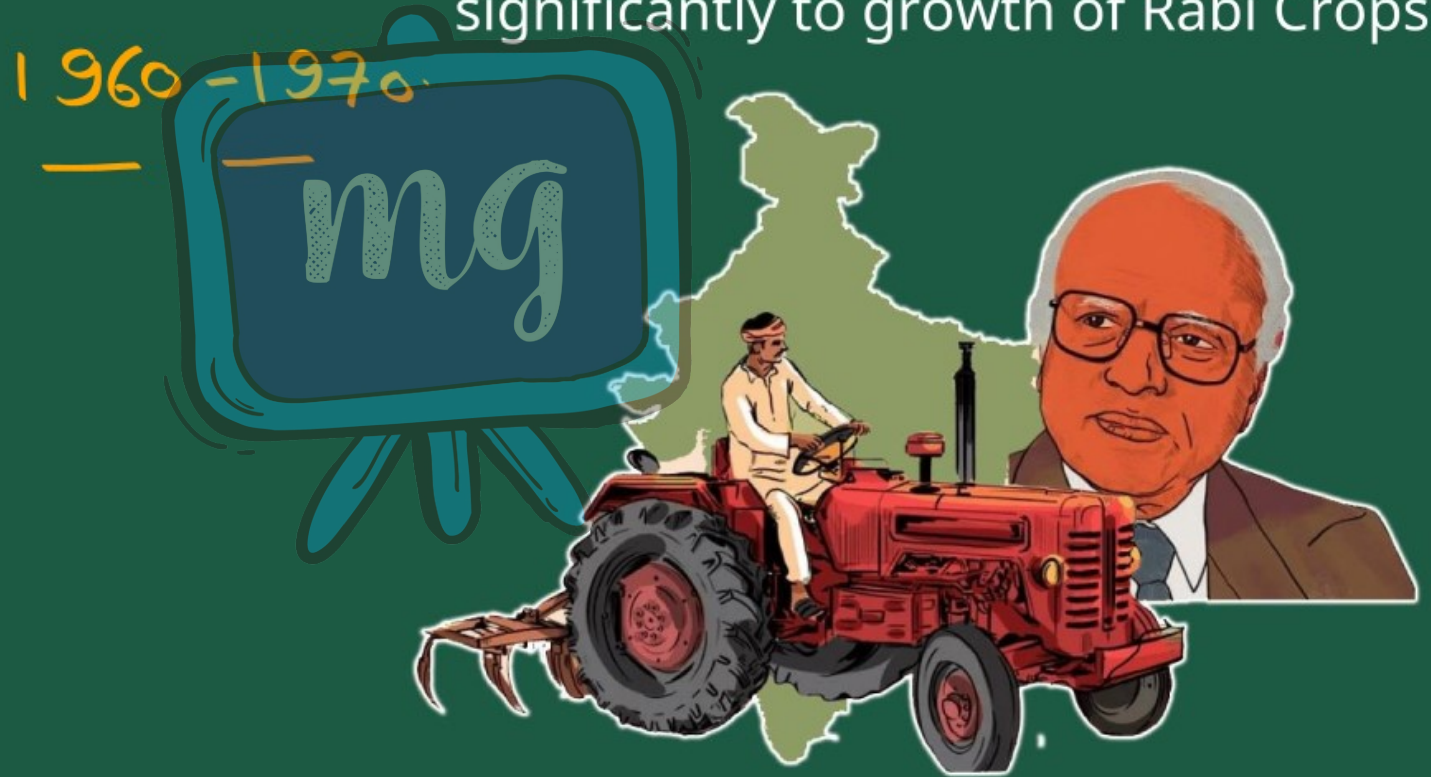
✦ Due to Western Temperate Cyclone.



Western Temperate Cyclone



- Green Revolution contributed significantly to growth of Rabi Crops.



## 2. KHARIF



Paddy



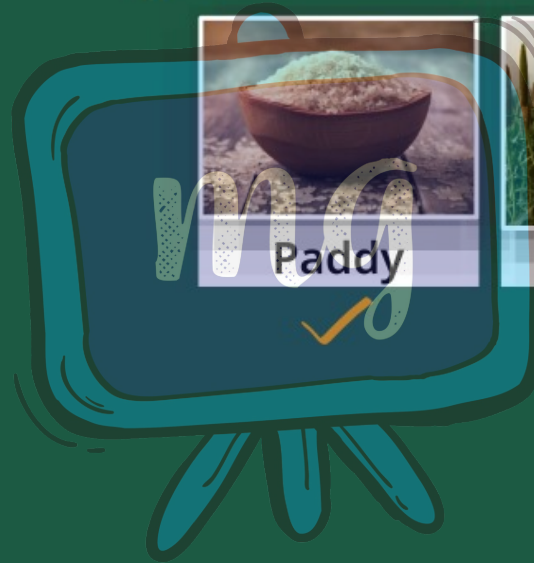
Millets



Cotton



Jute



- ▣ Grown with Onset of Monsoon
- ▣ Harvested in September - October

### ▣ Important Crops

✦ Paddy

✦ Groundnut

✦ Maize

✦ Soyabean

✦ Jawar

✦ Tur (Arhar)

✦ Bajra

✦ Moong

✦ Cotton

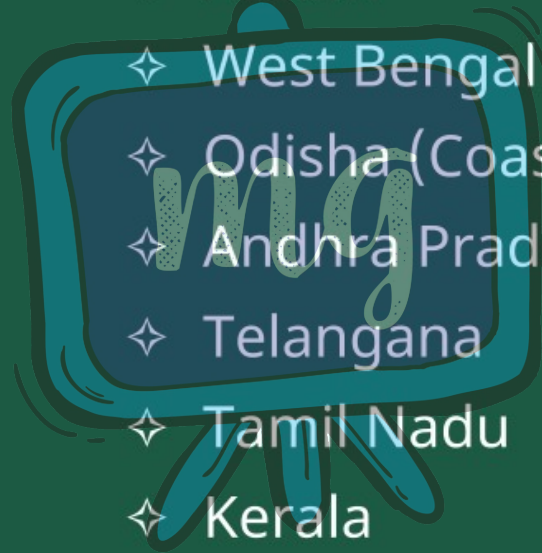
✦ Urad

✦ Jute



## Major Producer of Rice

- ✦ Assam
- ✦ West Bengal
- ✦ Odisha (Coastal)
- ✦ Andhra Pradesh
- ✦ Telangana
- ✦ Tamil Nadu
- ✦ Kerala
- ✦ Uttar Pradesh
- ✦ Bihar
- ✦ Maharashtra (Konkan Coast)

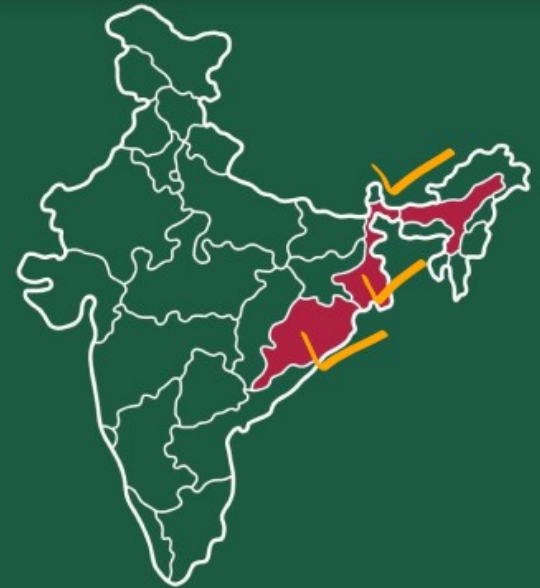


- ▮ Paddy has also become an important crop of Punjab & Haryana.



## Aus, Aman, Boro

- 3 Crops of Paddy grown in a Year
- Assam, West Bengal, Odisha



### 3. ZAID CROPS



- ▮ Short season during Summer.
- ▮ Between Rabi and Kharif seasons.

### ▮ Important Crops

- ✦ Watermelon ✓
- ✦ Muskmelon ✓
- ✦ Cucumber ✓
- ✦ Vegetables ✓
- ✦ Fodder Crops ✓

# SUGARCANE

Takes almost a year to grow.



# MAJOR CROPS



Rice



Wheat



Millets



Pulses



Sugarcane



Oil Seeds



Tea



Coffee



Cotton



Jute

✓  
▮ **In different parts of India :**

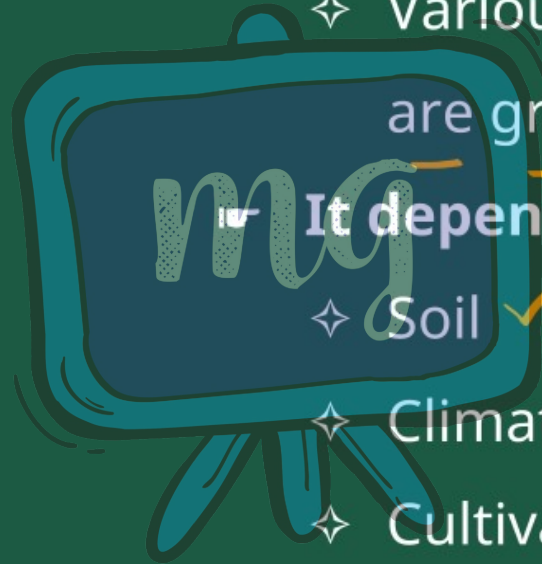
✦ **Various Food & Non-Food Crops**  
are grown.

▮ **It depends on variations in :**

✦ **Soil** ✓

✦ **Climate** ✓

✦ **Cultivation Practices**



# RICE

Kharif.



- ☛ Staple food crop
- ☛ Kharif Crop



**2<sup>nd</sup> largest  
Producer in  
World**

**1st – China**

## ▮ Requirements

✦ High Temperature (Above 25°C)

✦ High Humidity

✦ Annual Rainfall (Above 100 cm)





## Major Producer

- Plains of North India
- Plains of North-Eastern India
- Coastal Areas
- Deltaic Regions

## ☛ In Less Rainfall Areas ✓

Grows with the help of Irrigation.

(Canal Irrigation & Tube-Wells) ✓

✦ Punjab

✦ Haryana

✦ Uttar Pradesh (Western)

✦ Rajasthan (Some Parts)

# WHEAT

RABI



- ▮ 2<sup>nd</sup> most important Cereal Crop.

- ▮ Main Food Crop in :

  - ✦ North India.

  - ✦ North-Western India.



## 👉 Requirement

✦ Cool Growing Season

✦ Bright Sunshine

(At the time of Ripening)

✦ Annual Rainfall 50-75 cm.

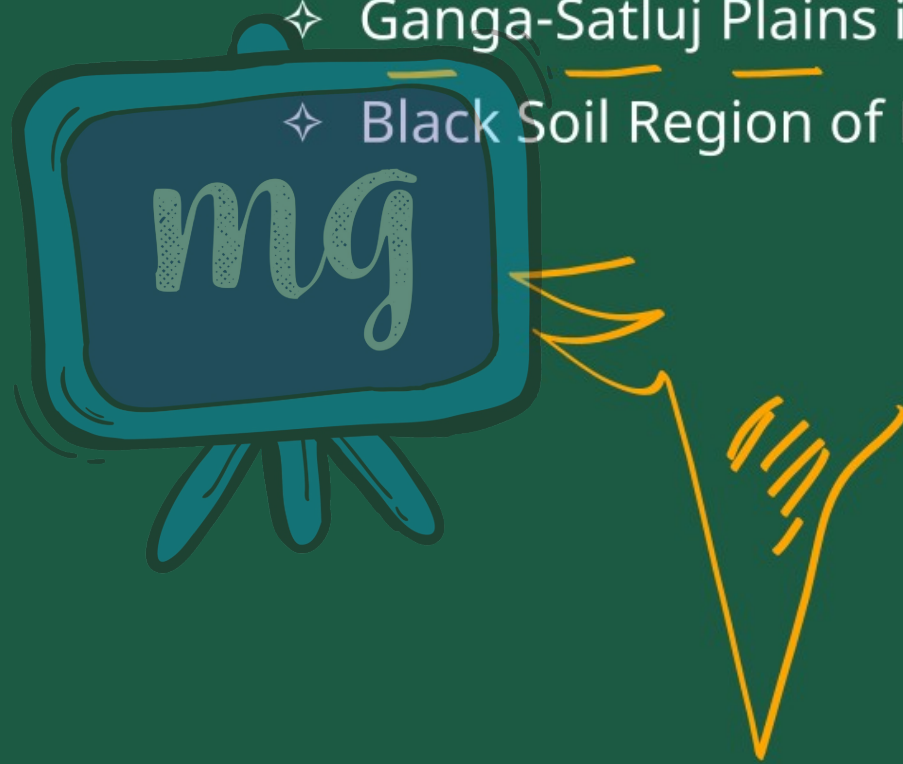
(Evenly Distributed)

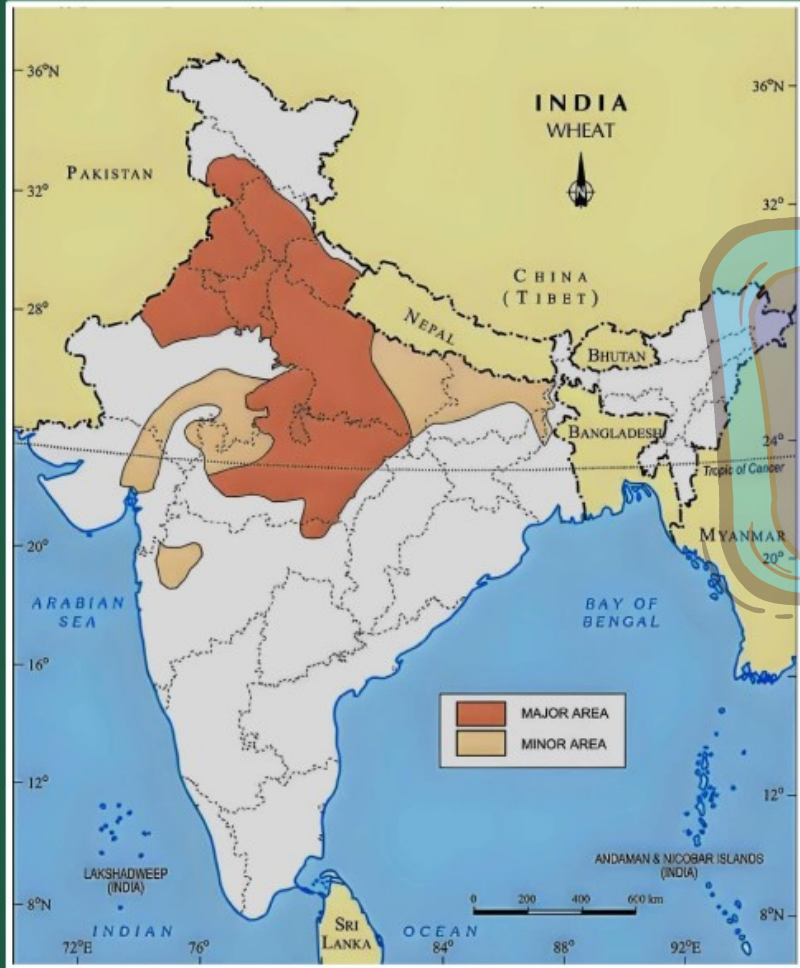


## ▮ Important Wheat Growing Zone

✦ Ganga-Satluj Plains in North-West.

✦ Black Soil Region of Deccan.





## Major Producer

- ✧ Punjab ✓
- ✧ Haryana ✓
- ✧ Uttar Pradesh ✓
- ✧ Madhya Pradesh ✓
- ✧ Bihar ✓
- ✧ Rajasthan ✓

# MILLETS



## ▮ Important Millets grown in India

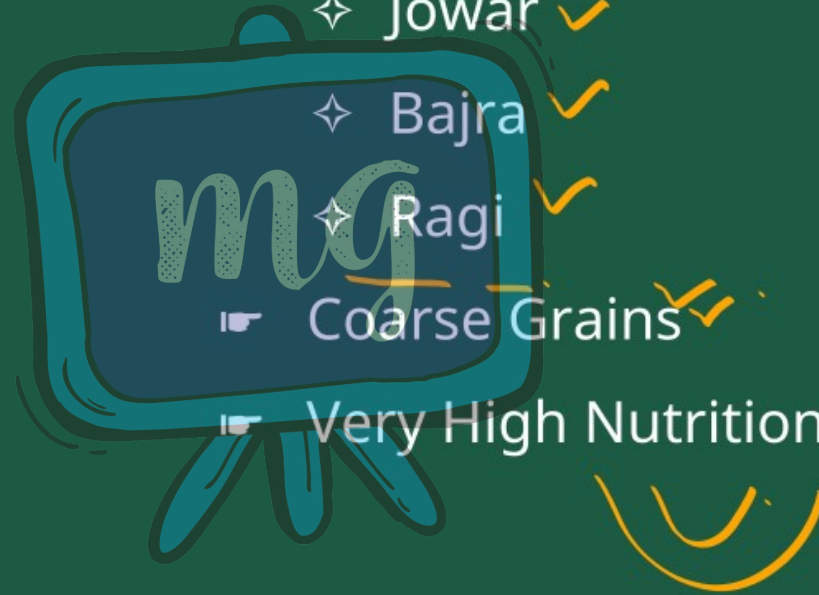
✦ Jowar ✓

✦ Bajra ✓

✦ Ragi ✓

▮ Coarse Grains ✓

▮ Very High Nutritional Value



# JOWAR

- 3<sup>rd</sup> most important food crop.

(W.r.t. Area & Production)

- Rain-fed crop.

- Mostly grown in moist area.

(Hardly  
needs

Irrigation)



## Major Producer

✦ Maharashtra

✦ Karnataka

✦ Andhra Pradesh

✦ Madhya Pradesh



# BAJRA

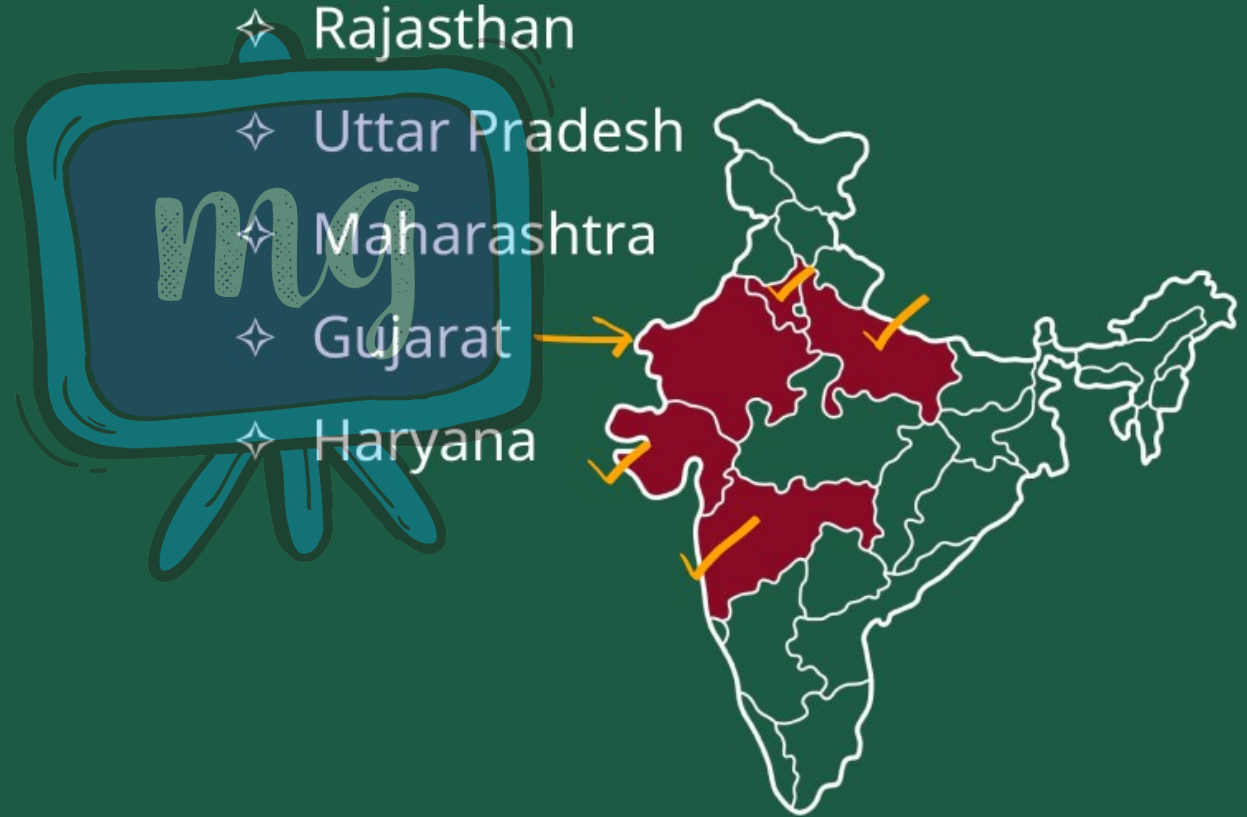
☛ Grows well on :

✦ Sandy Soil

✦ Shallow Black Soil



## Major Producer



# RAGI

- ▮ Crop of dry region.

- ▮ Grows well on :

- ✦ Red Soil

- ✦ Black Soil

- ✦ Sandy Soil

- ✦ Loamy Soil

- ✦ Shallow Black Soil

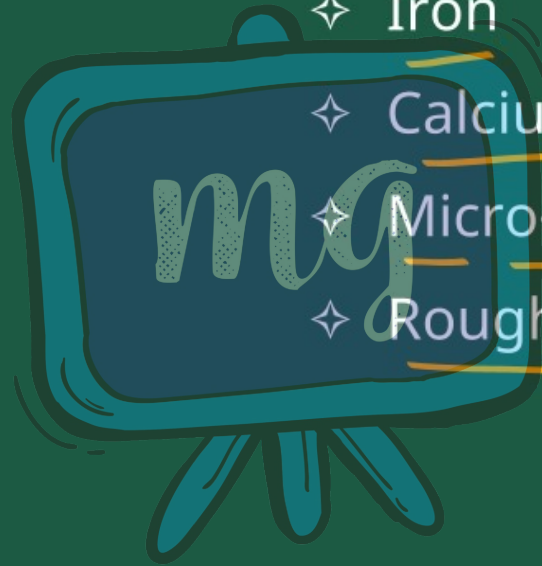
## Rich in

✦ Iron

✦ Calcium

✦ Micro-Nutrients

✦ Roughage



## Major Producer

✦ Karnataka

✦ Tamil Nadu

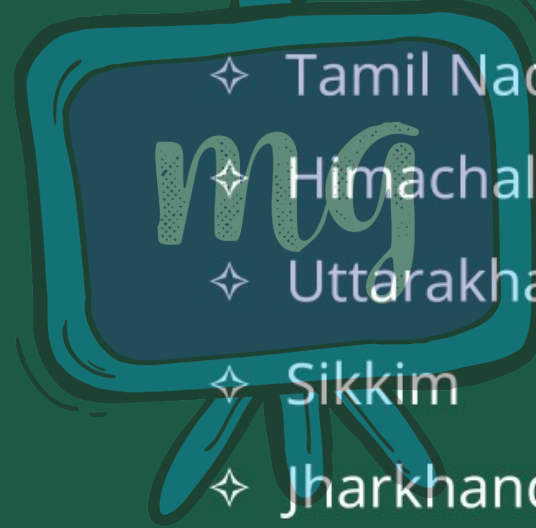
✦ Himachal Pradesh

✦ Uttarakhand

✦ Sikkim

✦ Jharkhand

✦ Arunachal Pradesh



# MAIZE

Kharif



- ✔ Used both as Food & Fodder.
- ✔ Kharif crop.

✔ In some States :

✦ Grown in Rabi season (Bihar)



## Requirement

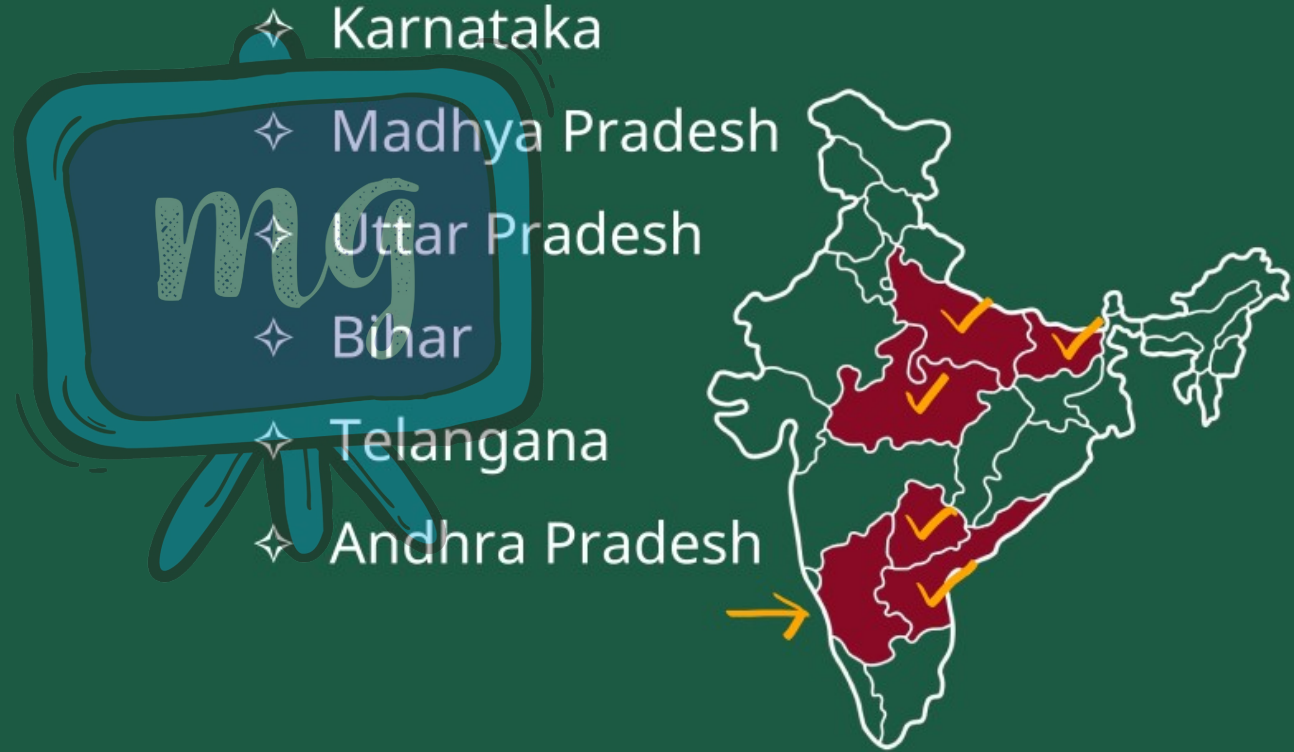
- ✦ Temperature 21°C -27°C ✓
- ✦ Grow well in Old Alluvial soil.
- ✦ Maize production is increasing.

## Reason

- ✦ Modern Inputs
  - HYV Seeds ✓
  - Fertilizers ✓
  - Irrigation ✓



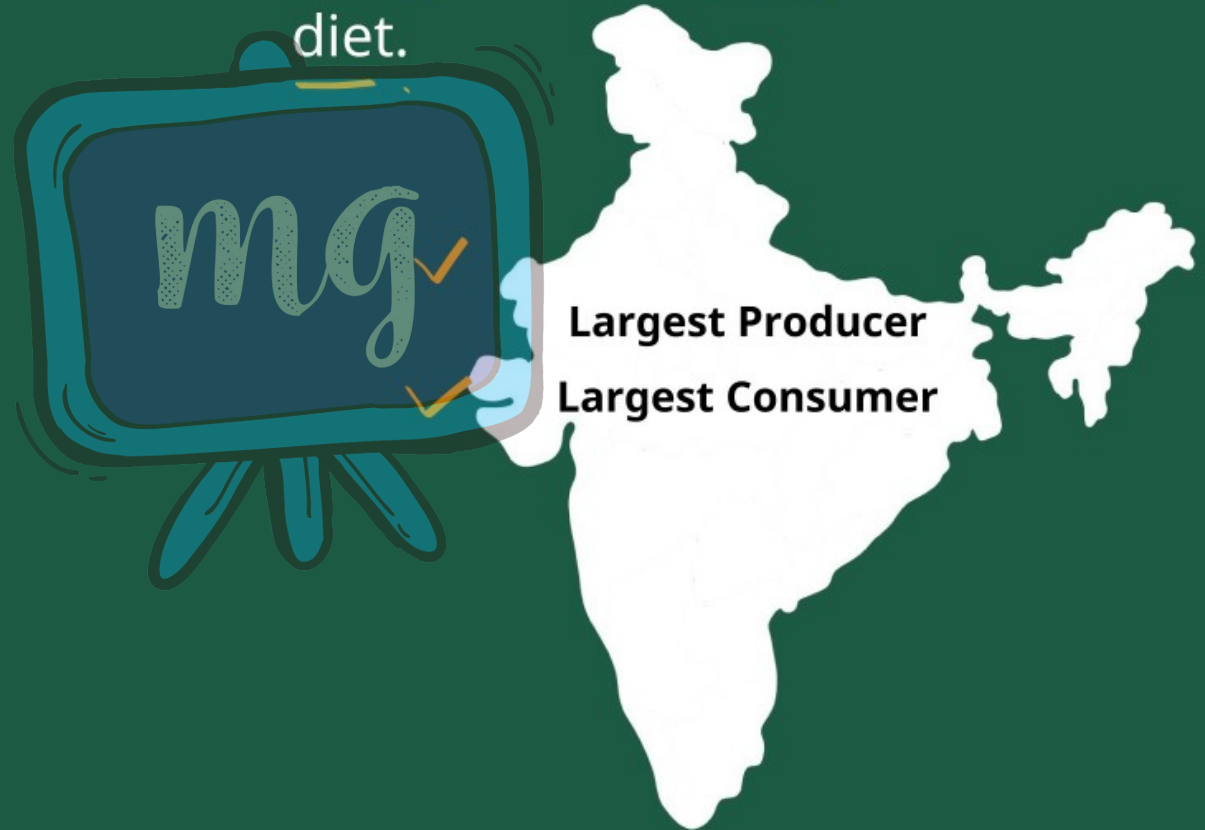
## Major Producer



# PULSES



- Major source of protein in vegetarian diet.





- ☛ Need less moisture.
- ☛ Survive even in dry conditions.
- ☛ Mostly grown in Rotation with other crops.

### Reason

- ✦ Leguminous
- ✦ Fix Nitrogen from Air
- ✦ Restore Soil Fertility  
(except Arhar)

## Major Producer

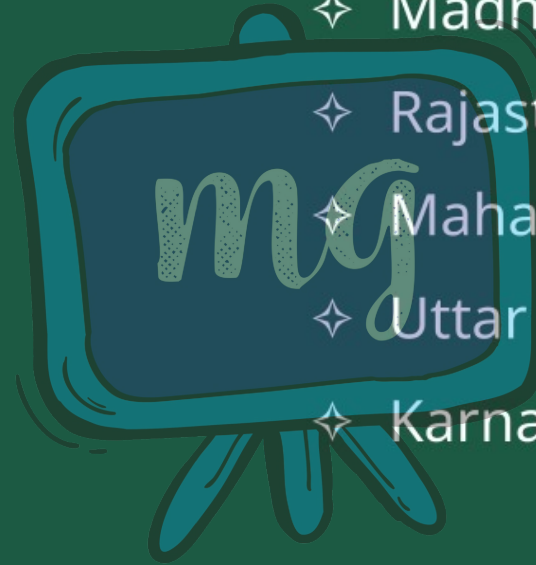
✦ Madhya Pradesh

✦ Rajasthan

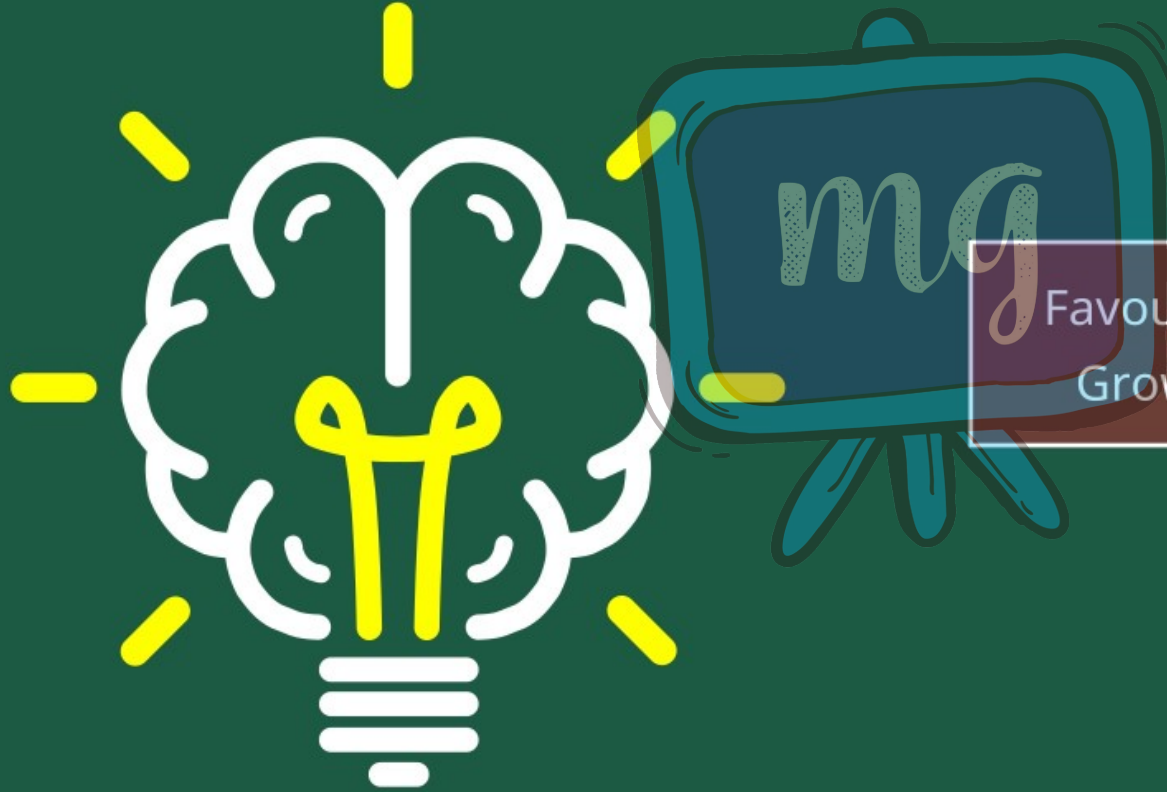
✦ Maharashtra

✦ Uttar Pradesh

✦ Karnataka



# LEARNING OUTCOMES



Favourable Conditions for  
Growing Various Crops

# ASSESSMENT

1

Muskmelon grows in .....

- A Rabi season
- B Kharif season
- C Zaid season
- D Both Zaid and Rabi seasons

# ASSESSMENT

2

Rice is a commercial crop in Punjab and Haryana.

In which state, it is a subsistence crop?

- A Odisha
- B Uttar Pradesh
- C West Bengal
- D Bihar

# ASSESSMENT

3

Which group of crops can be classified under "Millets" ?

- A Maize and Wheat
- B Sesamum and Groundnut
- C Urad and Arhar
- D Bajra and Ragi