

# **WELCOME TO THE ONLINE CLASS**

**SESSION NO.: 6**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 1**

**CHAPTER NAME: PLANTS: INCREASING THE NUMBER**

**SUB TOPIC: CROPS AND VEGETABLES**

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**CHANGING YOUR TOMORROW**

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# LEARNING OBJECTIVE

**To enable the learner to identify different types of crops based on season.**

# WARM UP

- Define reproduction.
- In potato, new plant grows from \_\_\_\_\_.
- Name a plant that grows from leaves.
- Tiny seed-like structures that grows into new plant like fern.

# CROPS

- Crops are plants that are grown in fields to provide food and other useful things to us.
- All crops need water, sunshine, air and good soil.
- Different crops grow well under different conditions.



# TYPES OF CROPS

- **Summer crop/ Kharif crop**
- **Winter crop / Rabi crop**

# SUMMER CROP / KHARIF CROP

- Crops that are grown from June to October are called summer crops.
- These crops are called kharif crops.
- Example of kharif crops-rice, millets, maize, jowar, bajra, cotton, jute, hemp and peanuts etc.



# KHARIF VEGETABLES

- Example of kharif vegetables-onion, pumpkin, brinjal, garlic, tomato etc.



# KHARIF FRUITS

- Example of kharif fruits-mango, melon, litchi, plum etc.





# WINTER CROP OR RABI CROP

- Crops grown from November to April are called winter crops.
- Winter crops are called rabi crops.
- Example of kharif crops-wheat, barley, gram and mustard etc.



# RABI VEGETABLES

- Example of kharif vegetable-cauliflower, carrot, radish, turnip, peas and beans.



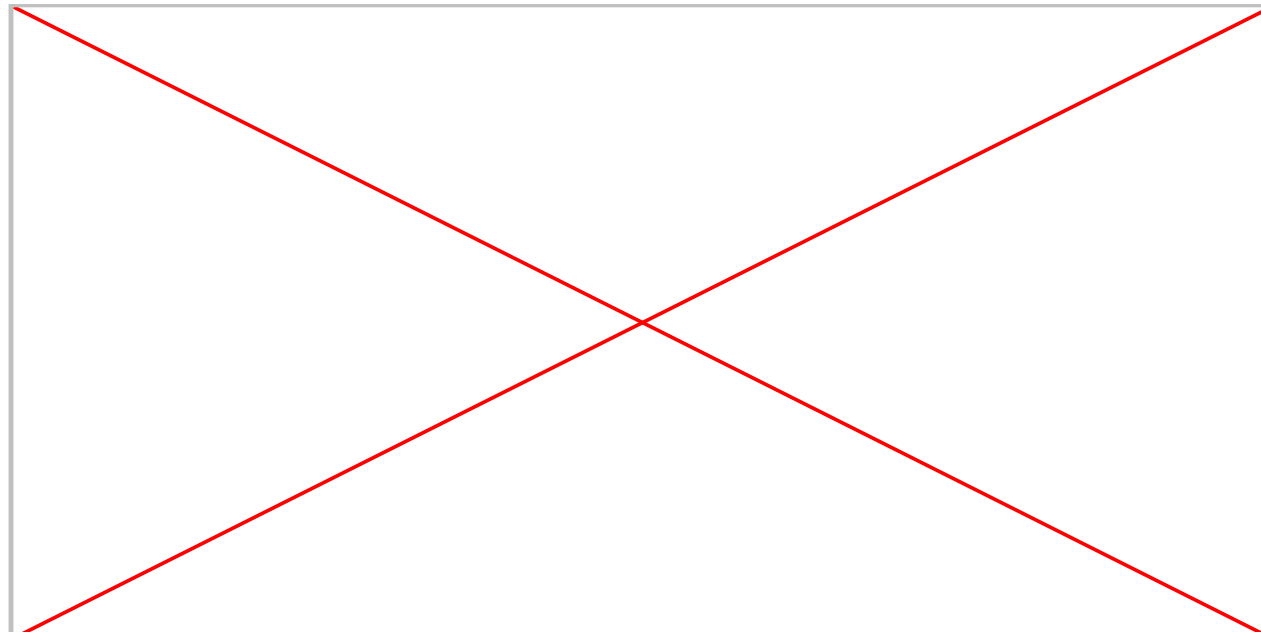
# RABI FRUITS

- Example of kharif fruits-apple, banana, pomegranate and berry etc.



# WEEDS

- Weeding is the process to remove out the unwanted plants which grown along the useful crops.
- Weeding is required because weeds are competitive plants as they reduce the useful crop yield by acquiring space, fertilizers and nutrients from the soil.



# PESTICIDES

- Any chemical used for destroying insects or other organisms harmful to cultivated plants or to animals are called pesticides.
- They help farmers grow more food on less land by protecting crops from pests, diseases and weeds as well as raising productivity per hectare.



# INSECTICIDES

- Any chemical used to kill the insects is called an insecticides.
- They help farmers by killing the insects which might eat their crops.



# IRRIGATION

- Irrigation is the artificial process of applying controlled amounts of water to land to assist in production of crops.
- Irrigation helps to grow agricultural crops, maintain landscapes, and revegetate disturbed soils in dry areas and during periods of less than average rainfall.



# TYPES OF SOIL REQUIRED BY DIFFERENT PLANTS

- Rice and jute grow in clayey soil which hold plenty of water.
- Wheat is grown in the sandy and irrigated soil of Punjab and Uttar Pradesh.
- Jowar and bajra are grown in the sandy soil of Rajasthan.
- Cotton grows well in the black soil of central and western India.
- Tea plants need moist soil and grow on the slopes of hilly areas like Assam, the Nilgiris and Darjeeling.
- Coconut trees grow in coastal areas like Kerala and Goa.
- Maize grows well in the dry soil of the plain or hills.
- Onion and groundnut need well-drained, sandy soil



# SUMMARY

- **Crops are plants that are grown in fields to provide food and other useful things to us.**
- **Crops that are grown from June to October are called summer crops.**
- **Crops that are grown from November to April are called winter crops.**
- **Weeding is the process to remove out the unwanted plants which grown along the useful crops.**
- **Irrigation is the artificial process of applying controlled amounts of water to land to assist in production of crops.**

QUIZ  
TIME

NOTES

Date

Subject

- 1. The artificial process of applying controlled amounts of water to land to assist in production of crops.**

**ANS: Irrigation**

**2. Plants that are grown in fields to provide food and other useful things to us.**

**ANS: Crops**

**3. Crops that are grown from June to October.**

**ANS: Kharif/ Summer crops**

**4.The process to remove out the unwanted plants which grown along the useful crops.**

**ANS: Weeding**

**5. Crops that are grown from November to April.**

**ANS: Rabi/ Winter crops**

# **HOMework**

- **Do the oral Q & A of page no. 12.**



## **E. WRITE SHORT ANSWERS.**

**1. Name the outer covering of a seed.**

**Ans: Outer covering of a seed is called the seed coat.**

**2. What is monocot seed?**

**Ans: A seed that has only one cotyledon after germination is called a monocot seed.**

**3. What is germination?**

**Ans: The process of development of a seed into seedling is called germination**

**4. What is meant by dispersal of seeds?**

**Ans: Scattering of seeds away from the parent plants to another place is called seed dispersal.**

# LEARNING OUTCOME

**The learner will be able to identify the different types of crops based on seasons.**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**