

# CROP PRODUCTION AND MANAGEMENT

Learning about cultivation of crops and several activities undertaken by farmers in crop production and its management

CLASS-VIII(SCIENCE)

Notes Chapter - 1

**Sowing:** Sowing is the next part of Agricultural Practices.

Sowing of seeds at appropriate depths and distances gives good yield.

- Farmers should use good-quality seeds that are clean, healthy and give high yield.
- Selection of the right variety of seeds depends on the soil, climate, irrigation method, and other regional factors.
- The Ministry of Agriculture in India has set up a national-level organisation called the National Seeds Corporation (NSCC) that tests the quality of seeds.
- State Seeds Corporations and Agricultural Universities have also set up seed testing laboratories throughout India.

Sowing: Sowing is the most important part of crop production. Before sowing good quality seeds are selected. Farmers prefer to use seeds, which give a high yield.



## How to separate damaged seeds from healthy seeds?

- Put the seeds in water.
- Damaged seeds are hollow and lighter and thus, float on water.
- Good and healthy seeds sink in water and settle down.



## Agricultural Implements used for Sowing



## What precautions should be taken while sowing?

While sowing seeds, it is essential to make sure that:

- Seeds are healthy and of high quality.
- They are planted at correct distance from each other so that they can get proper light, water and nutrients from soil.
- They must be sown deep enough to protect them from animals and birds (which might eat them) and wind (which might blow them away) but not so deep that they may not get enough air to germinate.

### Why it is better to sow seeds uniformly?

- Seeds should be planted at appropriate distance to avoid overcrowding of plants.
- It allows plants to get proper sunlight as well as sufficient water and nutrients from the soil.

### Why are plants kept in small bags in nursery?

- Few plants (like paddy, forest plants, and flowering plants) are first grown in a nursery into seedlings and then, transplanted to plants manually.
- Keeping the seedlings in bags makes it easier to transfer them to another place.



❖ Next Part : **Adding Manure and Fertilisers**