

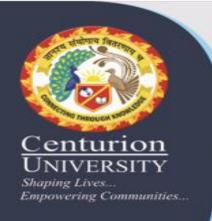
# Center for Smart Agriculture

Production management of medicinal and aromatic crop



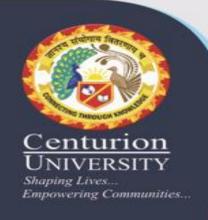
**Module 3:** Seed Treatment

**Session 13:** Methods



#### Seed Treatment

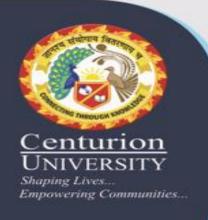
Seed treatment is a "genetic term which does not specify the application method but indicates that specify the application method but indicates that the seeds are subjected to a compound the seeds are subjected to a compound nutrient, chemical, hormones) a process (such as wetting and drying) or to vigorous energy forms or to vigorous energy forms (such as heat, radiation, electricity, magnetism) etc. to enhance the planting value of seed".



#### Seed Treatment Methods

#### Seed Treatment Methods

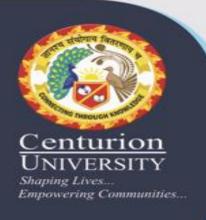
- PESTICIDAL SEED TREATMENT
- ■PHYSICAL SEED TREATMENT



#### Pesticidal Seed Treatment

Pesticidal Seed Treatment

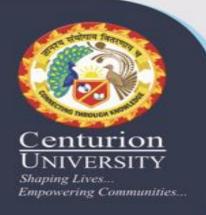
- ☐ Seed Coating with chemical protectant
- 1 Coating with chemical protectant
- 2 Film coating
- □ Pelleting
- ☐ Seed Priming
- 1 Osmo priming
- 2 Halo priming
- 3 Solid Matrix Priming (SMP)



# Physical Seed Treatment

Physical Seed Treatment

- ☐ Solar Heat Treatment
- ☐ Hot Water Treatment
- ☐ Dry Heat Treatment
- ☐ Aerated Steam Treatment



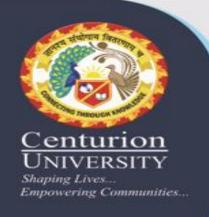
# Different Types of Physical Treatments

Different Types of Physical Treatments:-

Radiation Temperature

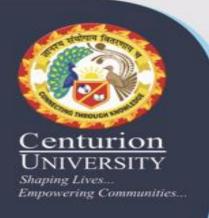
Magnetic Microwave

Controlled Gaseous Atmosphere



# Different Types of Physical Treatments

Further research has intensified on ionizing radiation, controlled atmosphere, cold treatment, conventional hot air, radio frequency and microwave conventional hot air, radio frequency and microwave dielectric heating



# Thank You