

## Unit-5

### Coriander (Dhore)

Scientific name → Coriandrum sativum

Family → Apiaceae

Parts used → Leaf, fruit

Morphological characters →

- i) Plants are aromatic herbs
- ii) Lower leaves are broad segmented and the upper leaves are very narrow.
- iii) Inflorescence is umbel.
- iv) Flowers are white or pinkish in colour.
- v) Carpels are 2.
- vi) Fruits are small, oval, having 2 seeds and with distinct aroma.

Use →

- i) Young plants are used for flavouring of vegetables.
- ii) Fruits are commonly used for flavouring food stuffs, confectionary and liquors.
- iii) They are also used as stimulants, carminative, stomachic, diuretic, antispasmodic and refrigerant.

## Cardamom (Chota elach)

Scientific name → Elettaria cardamomum.

Family → Zingiberaceae

Parts used → Fruit, seed.

Morphological characters →

- i) Plants are herbaceous with subterranean rhizomatous stem having shallow roots.
- ii) The aerial pseudo-stem develops from the rhizomatous stem, formed by the
- iii) overlapping leaf sheaths.
- iii) Leaves are simple, distichous, short petioled, linear, lanceolate.
- iv) Inflorescence is panicle, develops from the base of the pseudo-stem and bears white flowers.
- v) Fruits are small, triangular capsules containing about 15-20 seeds having special flavour.

Use → i) It is a valuable spice and used in different preparations like curries, meat, pickles etc.

ii) Seeds are used as masticatory with or without beetle leaf.

iii) Having medicinal properties it is used as a carminative.

iv) Oil obtained from seeds are used for flavouring beverages.

### Clove

Scientific name → Syzygium aromaticum

Family → Myrtaceae

Part used → Flower bud.

Morphological characters →

- i) It is an evergreen tree with large leaves and crimson flowers grouped in terminal clusters.
- ii) The flower buds initially have a pale colour, gradually turn green, then transition to a bright red when ready for harvest.
- iii) Cloves are ~~harvested~~ consist of a long calyx that terminates in four spreading sepals and four up unopened petals that form a small central ball.

## Uses →

- i) It is used as an antiseptic.
- ii) It is used as stimulant.
- iii) It is used as carminative.
- iv) It is used as flavouring agent.
- v) It is used as spice.
- vi) It is used in toothache, dental preparations and mouthwashes.
- vii) Clove oil is used in perfumery.
- viii) Clove oil and zinc oxide are used in temporary filling of dental cavities.

## Black pepper

Scientific name → Piper nigrum

Family → Piperaceae.

Part used → Fruit

Morphological characters →

- i) It is a climbing perennial plant cultivated for its fruit known as a peppercorn.
- ii) The fruit is dark red and contains a single seed.

iii) Plants have adventitious root.

iv) Leaves are almond shaped, tapering towards the tip, dark green and shiny above, paler green below, arranged alternately on the stems.

v) Inflorescence is spike.

vi) Flowers are whitish to yellow green.

### Uses →

i) It is used as spice or condiments.

ii) It improves digestion.

iii) It prevent chronic diseases.

iv) It is an antioxidants which help the body fight against oxidative stress and harmful pathogens.