

## 20.ORGANIC CHEMISTRY AS PRELUDE TO AGROCHEMICALS - DIVERSE TYPE OF AGROCHEMICALS

“Agrochemicals” - include chemicals, which enhance growth and yield of crops apart from chemicals that destroys pests and diseases. Pesticides are chemicals designed to combat attacks of various pests on agricultural & horticultural crops.

### Classification of pesticides:

- ✚ Insecticides (for the control of insects)
- ✚ Fungicides (for the control of fungal pathogens)
- ✚ Herbicides ( for the control of weeds)
- ✚ Rodenticides (for the control of vertebrate pests)
- ✚ Nematicides (to kill microscopic worms),
- ✚ Molluscides (to kill slugs and snails)
- ✚ Acaricides (to kill mites).
- ✚ Antifeedant,- inhibit feeding
- ✚ Repellent - to prevent the pest species from attacking its hosts.
- ✚ Chemosterilant- induces sterility.
- ✚ Algicides (for the control of algae)
- ✚ Aphicides (for the control of aphids)

Besides there are other classes viz., Antibiotics, Carcinogen, Dessicants, Defoliant, Ovicide, Pheromone and Plant growth regulators

Predominant classes of pesticides used in India are **insecticides**, which accounted for about 57 per cent of total pesticide consumption followed by **fungicides** (29%) and **herbicides**, which constituted about 14 per cent.