Pesticides (Part-1)

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Semester - VI, Paper - DSE 3

Pesticides

Pesticide

- Any toxic substance used to kill animals, fungi or plants that cause economic damage to crop or ornamental plants or are hazardous to the health of domestic animals or humans.

- All pesticides interfere with normal metabolic processes in the pest organism and often are classified according to the type of organism they are intended to control. Such as-

- Herbicide

- Insecticide

- Fungicide

- Rodenticide

Pesticides

Classification of pesticides

1. **Herbicide**-These are the chemicals used to kill weeds (i.e., unwanted plants) e.g. Borax, Nitrofen.
2. **Insecticide**-These are used to kill insect. E.g. DDT, BHC.
3. **Rodenticide**-These are used to kill rodents. e.g. Warfarin, Zinc phosphide.
4. **Nematicide**-These are used to kill namatodes e.g. DBCP, Phorate
5. **Molluscicide**-These ar used to kill molluscs e.g Sodium pentachloridephenate.

Pesticides - Classification

Insecticides

Chemicals used to control Insect pests

1. Organophosphates(OP)
2. Carbamates
3. Chlorinated Hydrocarbons(CHC)
4. Pyrethroids
5. Biologicals
6. Metals/Elementals
7. Insect Growth Regulators(IGR)

Fungicides

Chemicals used to kill fungi

1. Substituted benzenes
2. Thiocarbamates EBDC(Ethylenebisdithiocarbamates)
3. Phthalates
4. Metals/Elements

Rodenticides

Chemicals used to kill rats

- Coumadins

- Warfarin

- Fluroacitic acid and derivatives

- Scilliroside

Pesticides - Classification

Herbicides

Chemicals used to kill the weeds

- Chlorophenoxy

- Nitro-phenolic/cresolic

- Dipyridyls

- Triazines

- Thiocarbamates

- Phosphonates

Molluscicides

Chemicals used to kill the molluscs

- Sodium pentachlorophenate

- Copper Sulphate

- Triphenyltin acetate

- Bayluscide

Thank You

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