
PEST & PEST CONTROL

***BY: DR. MONIKA SAKSENA
SOSTTM, JIWAJI UNIVERSITY***

PEST CONTROL

Pest control is important for;

- 1. Clean environment.*
- 2. Disease free environment.*
- 3. To stop the rapid growth of pests.*

Pest Management System and its Goals:

- 1. Prevention.*
- 2. Suppression.*
- 3. Eradication.*

TYPES OF PESTS

- *Insects*
- *Arthropod's (eight legged)*
- *Microbial organism*
- *Weeds*
- *mollusks*
- *Cockroach, termites, beetles & fleas*
- *Spiders*
- *Bacteria*
- *Any plant growing where they are unwanted*
- *snails , slugs & ship worms*

COCKROACH

- *These are found in kitchens & restaurant.*
- *Do not require human food & can feed on white wash, hair & books.*
- *Prevention can be done by hygienic disposal of food & waste & overall cleanliness of the area.*
- *Eradication : Chlorodecone.(Insecticide)*
- *Life span : 4 months or more.*

RAT & MICE

- *They are found in kitchen & dining areas.*
- *Can be controlled by hygienic storage & disposal of food & waste.*
- *Destruction : Baits, Fumigation & Trapping.*

SILVERFISH ERADICATION

- *Its silver grey insect that looks like minute fish without fins*
- *A dispersion of borax or Boric acid and sugar is a reliable bait to kill silverfish).*
- *Adults can be killed by freezing, but it is difficult to kill the eggs.*
- *To capture silverfish, sprinkle plaster on a wet, white cotton cloth, put it in a corner overnight, near the silverfish's hideout.*
- *By far the most effective way to be rid of Silverfish for sure is to keep an area or room tidy, limiting the possible number of breeding grounds they have.*

HOUSE FLY

- *It breeds on human & animal extracts, decaying & fermenting vegetables.*
- *It cannot breed in dry materials.*
- *Controlling measures: Keeping area clean & installing Electrocuters.*

FLEAS

- *They bite their hosts causing irritation..*
- *In humans red itching spots appear on the skin..*
- *Found in unhygienic conditions & entry to clean places is entirely accidental.*

LICE

- *Wingless parasites surviving on mammalian blood.*
- *Eggs sticks firmly on to the hairs & cannot be removed by brushing*

BED BUGS

Prefer human blood & can survive for months without food.

Kerosene oil containing pyrethrum may be sprayed.

- Hydrocyanic acid gives very good result.*

MOSQUITOES

- *Prefer dark areas.*
- *Live on blood. (females)*
- *Presence of water is essential for their existence*

DRY ROT

- *Lives on wood.*
- *Gives offensive smell.*
- *Prefers dampness.*
- *Effected area cut away & burnt.*
- *Sterilized by using blow lamp.*

WET ROT

- *Decay in timber in damp conditions.*
- *Causes darkening of wood & breaking into small pieces,*
- *Badly decayed wood to be cut out.*

INSECTICIDES

- *An insecticide is a pesticide used against insects in all developmental forms.*
- *Insecticides are used in agriculture, medicine, industry and the household.*
- *Some insecticides have been banned due to the fact that they are persistent toxins which have adverse effects on animals and/or humans.*

CONTROL MEASURES:

- *Proper drainage*
- *No stagnant water*
- *Screening of buildings*
- *Mosquito nets — (Repellants formula: kerosene oil – 1 part, coconut oil – 2 parts, Carbolic acid – 1%, Citronella oil – 1 part)*
- *Fumigation*
Fumigation -- is a method of pest control that completely fills an area with gaseous pesticides to suffocate or poison the pests.

THANK YOU