



Rodent Pest Management in Field Crops



- ❖ Rodents inflict 2-15 per cent damage in agricultural crops in field
- ❖ 4-5 species of rodents are responsible for damage in field crops
- ❖ Adoption of rodent management technology helps in increasing production
- ❖ Safe and easy method of rodenticidal baiting has been developed

Recommended doses of rodenticides

- ❖ Zinc phosphide: 2.0-2.5 per cent in baits w/w (@ 10-15 g bait per burrow)
- ❖ Bromadiolone BC (0.25%): 0.005% in bait w/w (@ 10-15 g bait per burrow)
- ❖ Bromadiolone (0.005%) ready to use wax blocks (@ 10-15 g bait per burrow)
- ❖ Aluminium phosphide (6%), a burrow fumigant (@ one 12 g tablet per burrow)

Bait preparation

Zinc phosphide bait

Pre-baiting is required prior to zinc phosphide poison baiting

For 1 kg of pre-bait

- ❖ Mix 20 g of edible oil with 980 g cereal thoroughly

For preparing 1 kg zinc phosphide poison bait

- ❖ Mix 20 g edible oil with 960 g cereal and add 20-25 g zinc phosphide powder with the help of any stick so that it is uniformly distributed on cereal grains.

Bromadiolone bait

For 1 kg bromadiolone poison bait (pre-baiting not needed)

- ❖ 960 g cereal + 20 g edible oil + 20 g bromadiolone bait concentrate (0.25%) mix thoroughly with the help of stick

Calendar of operations in crop fields

Day 1: Plugging and estimation of bait, man power and poison, etc., removal of weeds, harborage etc.

Day 2: Identification of live burrows and pre-baiting in live burrows

Day 4: Zinc phosphide baiting (2.0-2.5%) @ 10-15 g bait per burrow

Day 5: Visit the treated area for 1-2 days and collect and bury of dead rodents

Day 8: Plugging of burrows

Day 10: Bromadiolone (0.005%) baiting (fresh bait @ 10-15 g per burrow)

Visit treated area for 3-10 days and collect and bury dead rodents



Indian desert gerbil



Bait preparation



Poison baiting in burrows



Control success

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