

Major Insect Pest on Cucurbits : Fruitfly

BARC

PLANT PEST UNIT
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Common Name : Fruitfly

Scientific Name : *Bactrocera cucurbitae*

Biology of Pest

Adult stage : The adult has orange abdomen with one black stripe in the middle, and one black stripe at the edge. Front pair of wings is grey which expands at the edge. It has a little grey line in the middle wing vein.



Eggs : White and smooth at the lower leaf epidermis.

Larva (Caterpillar) : White and will turn yellowish as it grows.

Pupa/Stage : Orange and will turn yellow. Found in the soil near the affected plant.

Symptom

Infested fruit will become rotten and later drop to the ground. This is caused by the larvae that burrow and feed inside the fruit.

Control

Wrap and cover the fruits. Collect and bury the fallen fruits. Spray with recommended insecticides. Spraying should be done at initial symptom of infestation. Place fruitfly trap to determine the level of infestation before spraying.

Recommended Insecticides

TYPE OF INSECTICIDES	SPRAYING INTERVAL/POST HARVEST INTERVAL	RATE PER LITRE OF WATER
Lebaycid 550 5% EC	7-14 days / 14 days	1.1 - 1.6 gm
Dipterex 9.5% SP	7-10 days / 7 days	2.3 ml
Decis 1.4% EC	3-7 days / 3 days	0.8 - 2.2 ml
Sumicidin 3.0% EC	3 days / 3 days	1.5 ml
Ambush 10 EC	3-7 days / 3 days	1.1 - 2 ml

Note : Spraying of insecticides "Lebaycid" should only done during the nursery stage to prevent further damage.