

Major Insect Pest On Mustard, Cabbage and Carrot : Flea Beetle



Common Name : Flea beetle

Scientific Name : *Phyllotreta* sp

Biology of Pest

Adult stage : The beetle is shiny black with two long stripe at the dorsal part for species *P.vitatae*. Species *P.cruciferae* is bluish or greenish black in colour.



Eggs : Laid singly or in two to three at the top of the leaf or in the soil near the base.

Larva (Caterpillar) : The larvae is yellowish with brown head.

Pupa/Stage : White and usually found in the soil near the base of vegetable crop.

Symptom

The larvae feed and damage the root and occasionally shift to infest leaf and stem. The adults feed on the leaves making fine holes scattered all over the surfaces. The plant will die when infestation happen at early growing stage.

Control

Avoid planting the same crucifer family at the same area continuously. Advisable to use protective cultivation or hydroponic when planting in a large scale.

Recommended Insecticides

TYPE OF INSECTICIDES	SPRAYING INTERVAL/POST HARVEST INTERVAL	RATE PER LITRE OF WATER
Ripcord 505 5.6% EC	3-7 days / 3 days	1.3 - 3.0 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