

Pest caterpillars in New Zealand brassica crops

Main pest species of caterpillars



Diamondback moth (DBM) (Plutella xylostella)



White butterfly (Pieris rapae)



Tomato fruitworm (Helicoverpa armigera) (Heliothis)



Soybean looper (Thysanoplusia orichalcea)

Minor pest species of caterpillars



Tropical armyworm (Spodoptera litura)

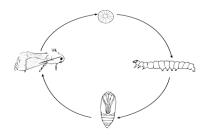


Green looper (Chrysodeixis eriosoma)



Greasy cutworm (Agrotis ipsilon)

Life cycle of moths and butterflies





Tomato fruitworm egg

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Naturally occurring predators and parasitoids of caterpillars in brassica crops



Harvestmen adult



Sheetweb spider adult



Cotesia ruficrus cocoons



Meteorus pulchricornis adult (right)



Adult and cocoon forms of Cotesia kazak and Microplitis croceipes



Damsel bug adult



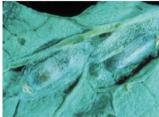
Tasmanian brown lacewing adult



Eleven-spotted ladybird adult



Hoverfly larva



Diadegma semiclausum pupae (DBM parasitoid)



Cotesia rubecula adults (White butterfly parasitoid)



Cotesia rubecula cocoon

General information

- Four main pest species of caterpillar can be found in New Zealand brassica crops.
- Caterpillars are most numerous on brassicas during late spring, summer and autumn.
- There are many naturally occurring predators and parasitoids of caterpillars.
- Predators and parasitoids are most effective against egg and small caterpillar life stages.
- Use of selective/biological insecticides can be useful when enhancing beneficial insect populations.

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