

# Natural enemies of the woolly apple aphid, *Eriosoma lanigerum* (Hausmann) (Hemiptera: Aphididae): a review of the world literature.

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Natural enemies of the woolly apple aphid, *Eriosoma lanigerum* (Hausmann) (Hemiptera: Aphididae): a review of the world literature.

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Abstract : Literature information was used to compile a summary of natural enemies of the woolly apple aphid, *Eriosoma lanigerum* (Hausmann) (Hemiptera: Aphididae).

(parasitoids, predators and a fungal disease) reported attacking the aphid *E. lanigerum* under field conditions. Five species of hymenopterous endoparasitoids and one species of Acarina (ectoparasites) were reported to attack *E. lanigerum*. Altogether 10 species of predatory insects belonging to five orders and seven families (i.e. Chrysopidae, Hemerobiidae, Forficulidae, Lygaeidae, Syrphidae, and Cecidomyiidae) have been reported to feed on this aphid species. *Verticillium lecanii* was the only pathogen reported to infect *E. lanigerum*. Although the aphelinid *Aphelinus* is widely acclaimed as the most important natural enemy of this aphid species, the literature, however, revealed a number of other natural enemies which should be considered in biological control or integrated pest management programs.

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Identifier(s) : beneficial species, biocontrol, biocontrol agents, biological control agents, entomopathogenic fungi, fungus, Hyphomycetes, IPM, ladybirds, ladybugs, pest insects, pest insects, predaceous insects, predacious insects, *Verticillium lecanii*

Broader term(s) : Arachnida, arthropods, invertebrates, animals, eukaryotes, Diptera, Hexapoda, Neuroptera, Coleoptera, Eriosoma, Aphididae, Aphidoidea, Sternorrhyncha, Hemiptera, Dermaptera, *Lecanicillium*, Cordycipitaceae, Hypocreales, Sordariomycetes, Pezizomycotina, Ascomycota, fungi, Heteroptera, Acari

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