

**Side effects of NAB<sup>R</sup> and Spruzit<sup>R</sup> on *Trichogramma dendrolimi* Matsumura (Hym., Trichogrammatidae) tested in field trials.**

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The knowledge concerning the side effects of pesticides on *Trichogramma* released in apple orchards to control tortricid moths is very important. Therefore a new method was developed to evaluate the effect of field applied pesticides.

About 20.000 ready to emerge *Trichogramma*-wasps were released in the centre of an apple tree having round canopy and a crown diameter between 1.5-2.0m. The test trees were protected from ants and earwigs by providing a sticky band around each trunk. One to the other day after emergence of the adults, NAB (wetable sulphur, algae calcium, bentonite), or Spruzit (pyrethrum) was sprayed on the trees. Before and after spraying *Sitotroga*-eggs glued on cardboard were offered for parasitization. These egg-cards were placed at a minimum distance of 50 cm from the releasing point and were changed every other day. Parasitization was examined in the laboratory and compared with the parasitization of water or E605 (parathion) sprayed trees (negativ and positiv control).

In these experiments the fungicide NAB turned out to be only slightly harmful to *Trichogramma*. After spraying the parasitization was reduced by 16% compared to the control. The application of Spruzit led to a reduction of 47%. The chemical, E605, had a very harmful effect on the *Trichogramma*-adults. Parasitization was diminished by 92% and 93%.