

Possibilities of Application of Neem-Insecticide

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SUMMARY:

At present all available experience indicates that formulated Neem-extracts (like NeemAzal-F) are exceptionally efficient in controlling biting insects like: Orthoptera, larvae of Tenthredinidae, Lepidoptera and Chrysomelidae.

The application technology of NeemAzal-F (0.2-0.5%) has been optimized against Colorado Potato Beetle (*Leptinotarsa decemlineata*) under different field conditions. One single treatment against larvae (L₁ - L₄) leads to a very satisfactory reduction of the larvae already after 3 to 4 days: 67 to 97% of the larvae had died or were inactive, so that they could not damage leaves any more. Well timed spraying of the larvae of the 1st population may possibly be sufficient to protect potato plants for the whole season.

The results indicate that the concentration of active ingredient in the spraying solution may be the lower the more early the application is carried through.