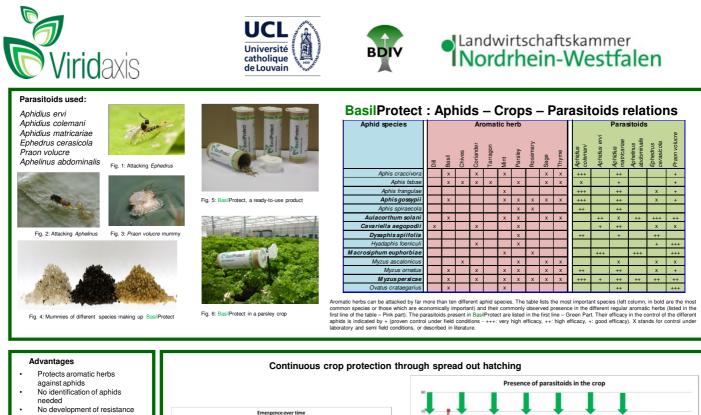
BasilProtect: A COCKTAIL OF PARASITOIDS AGAINST APHIDS **IN AROMATIC PLANTS AND HERBS**





- No development of resistance
- possible No delay before harvest / sales
- of plants Saves on aphicides, hence less residuals in IPM
- Complementarity with other crop protection strategies
- Long lasting effect at broad temperature range Reliable and consistent quality
- Quick and easy application
- Safe for people, plants, and the environment

Fig. 7-8 : Easy installation of BasilPro

Fig. 9: Emergence of parasitoid species from one tube under variable temperatures (night : 7°C day : 20-25°C).

Fig. 10: Hatching and life length of BasilProtect species

Green arrows represent releases of BasilProtect. The bars (color code see fig. 9) represent the life length of each species of parasitoid. Bi-weekly releases guarantee constant presence of parasitoids in the crop and insure a permanent protection against aphids independent the moment when first aphid can be spotted.

Conclusions

- The parasitoids must be released in crops before any aphids can be spotted
- Each releasing point, a cardboard tube with an integrated honey point for feeding of parasitoids, covers 200 m² of plantation.
- . The six species are complementary in their host spectrum, temperature range and behavior.
- . A mix of not only different species but also different batches confers to BasilProtect a longer hatching period insuring a permanent presence of fresh parasitoids.
- Trials demonstrated that BasilProtect can be adapted to different production systems, pot plants and cut plants, vast variety of different aromatic herbs such as basil, parsley, mint, sage, thyme and dill.
- Good control of aphid populations (including the regularly observed aphid species Cavariella aegopodii, Macrosiphum euphorbiae and Aulacorthum solani) by BasilProtect.
- For growers of herbs in protected cultures, BasilProtect is the solution for optimal aphid control. In herbal cultures, only a few chemical pesticides are available, and so far, biological solutions have been fighting only a limited spectrum of aphid species. BasilProtect fills this gap, because it contains different species of aphid enemies. This cocktail is able to control all commonly appearing aphids, and its application in the ready-to-use units is much faster than even any chemical treatment.

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Fig. 11: Aphidius colema parasitizing an aphid

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