

Trusted biocontrol for preventing crop damage from a wide range of small **aphid species**.



## WHICH CROPS DOES APHILINE PROTECT?

Vegetables  
Ornamentals  
Soft Fruits

## WHICH PESTS DOES APHILINE CONTROL?

*Aphis gossypii*  
*Myzus persicae*  
*Myzus nicotianae*

# Aphiline

## Why use Aphiline?

Aphiline biological control agent contains the Braconid wasp, *Aphidius colemani*. This species is a highly effective hunter, flying throughout the crop to find aphid hosts. A female can parasitise approximately 300 aphids in her lifetime! Parasitism is manifested by immobility and swelling of the aphid, which eventually turns into a golden mummy. Once parasitised, the aphid quickly becomes harmless to the plant. 4 to 7 days after mummification (at 21°C), the adult *A. colemani* emerges and parasitises again.

- Prevents aphid populations from developing and reduces moderate populations to non-damaging levels.
- Adults begin to emerge in transit, ready for immediate release.
- Not light sensitive – no diapause stage.
- Ventilation and food source available in packaging ensures adult survival in transit and storage.
- Suitable for all greenhouse crops.

## AVAILABLE DELIVERY SYSTEMS

Aphiline is available in loose material, in 250ml bottle or 30ml vial but also in blister pack.

**Bottles and vials** contains loose material to be poured onto the crop. Bottles are usually used to provide an immediate high dose of beneficials. This system is good for quickly establishing a population of beneficials and providing an immediate defense for your crop.

**Blister packs** protect the parasite pupae without having to glue them down. It increases emergence rates by up to 30%. They also give a cleaner crop because no carrier material is applied directly to the crop. This has been adapted for crops that can't contain any residue at all, especially at the end of their cycle.



## HOW TO USE

Release weekly at low rates as aphids begin to appear in the crop. If aphid colonies become established, make localized hotspot treatments or intervene at the economic threshold. If aphids are suspected of transmitting virus or populations are high, use a compatible chemical control before releasing *Aphidius colemani*. Do not spray between release of adults and mummy formation.

### For Blister Pack:

- Open the box in the greenhouse.
- Remove sheet of blister packs from the envelope, and separate along perforations.
- Bend the card forward slightly at the top of the blister, and pull the tab up.
- Hang opened blister onto leaf petioles within crop so it is in a shaded position.

### For Bottle & Tube:

- Open among plants in the greenhouse.
- With the vial held horizontally at 45° angle, carefully remove the lid.
- Release adult parasites evenly by gently tapping the opened vial while walking through the crop.
- Recap the vial and store at greenhouse temperature until more adults have hatched.
- Repeat the distribution of adults daily for 2-4 days.
- Place the open vial containing the remaining mummies upright in the crop for 3-4 days.
- Make introductions early in the day or in late afternoon/early evening.

## HANDLING & STORAGE

- Transport and store at 6-10 °C.
- Use within 18 hours of receipt.
- Avoid storing the product under direct sunlight.

