



## INTRODUCING BIOLINE AGROSCIENCES' APHILINE RANGE — THE BRACONID WASP THAT CONTROLS AND PREVENTS SMALL APHID SPECIES DAMAGING YOUR CROPS.

Aphiline contains the biological control agent *Aphidius colemani*. This wasp stings and parasitizes smaller aphid species, such as the melon or cotton aphid (*Aphis gossypii*), peach aphid (*Myzus persicae*) and tobacco aphid (*Myzus nicotianae*). Release weekly at low rates at the time that winged aphids start to appear in the crop.

If colonies become established, make localised hotspot treatments or intervene at the economic threshold with a selective aphicide. If aphids are suspected of transmitting virus or populations are high, use a selective aphicide before releasing *Aphidius colemani*. Do not spray between release of adults and mummy formation.

### WHY TRY APHILINE?

- 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.
- Sugar-water feeder ring ensures adult survival.

### WHICH CROPS DOES

#### APHILINE

#### PROTECT?

- Melons, Peaches & Blueberries
- Tobacco
- Ornamentals, Pot plants & Cut flowers
- Aubergines & Cucumbers

### WHAT DOES APHILINE CONTROL?

- Melon Aphid (*Aphis gossypii*)
- Peach Aphid (*Myzus persicae*)
- Tobacco Aphid (*Myzus nicotianae*)

## GET TO KNOW APHILINE...

1

The female wasp lays an egg within the aphid. The egg hatches within 2-3 days and the wasp larvae feeds on the aphid leaving a parasitized mummy on the plant.




2

The *Aphidius colemani* life cycle takes 10 days at 25°C / 77°F or 14 days at 21°C / 70°F.

3

For preventive control, releases should be made weekly during periods when aphids are most likely to be found in the crop (usually in the spring or early summer).

# Aphiline — Preventative control of small aphid species.

	DESCRIPTION	PRODUCT CODE
 <b>Aphiline</b> 30ml Vial	Aphid parasites (mummies/adults) 30 ml vial. Aphid parasites (mummies/adults) 30 ml vial. Aphid parasites (mummies/adults) 30 ml vial.	P0102-01 (unit size: 500) P0102-02 (unit size: 250) P0102-04 (unit size: 1,000)
 <b>Aphiline</b> 250ml Bottle	Aphid parasites (mummies/adults) 250 ml bottle	P0102-05 (unit size: 5,000)
 <b>Aphiline</b> 10 Blister Packs	Aphid parasites (mummies/adults) 10 x blister pack av 100 per blister.	P0102-09 (unit size: 1,000)



## A SNAPSHOT OF THE APHILINE RANGE

## HOW AND WHERE 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:

1. TRANSPORT AND STORE AT 6-10 °C .
2. USE WITHIN 18 HOURS OF RECEIPT.
3. AVOID STORING THE PRODUCT UNDER DIRECT SUNLIGHT.

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

### For Bottle & Tube:

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



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