



10 Reasons to choose VerdaProtect

- 1) Protects major vegetable crops against aphids
- 2) No identification of aphids needed
- 3) No development of resistance possible
- 4) No delay before harvest
- 5) Saves on aphicides, hence less residuals in IPM
- 6) Easy integration with chemical crop protection
- 7) Long lasting effect at broad temperature range
- 8) Reliable and consistent quality
- 9) Quick and easy application
- 10) Safe for humans, plants, and the environment

VerdaProtect controls all common aphids on vegetable crops

Aphids/ parasitoids	<i>Aphidius colemani</i>	<i>Aphidius ervi</i>	<i>Aphidius matricariae</i>	<i>Aphelinus abdominalis</i>	<i>Ephedrus cerasicola</i>	<i>Praon volucre</i>
<i>Acyrtosiphon pisum</i>	x	++				+++
<i>Aphis craccivora</i>	+++		++	x		+
<i>Aphis fabae</i>	x		+	x		+
<i>Aphis frangulae</i>	+++		++		x	+
<i>Aphis gossypii</i>	+++		++	x	x	+
<i>Aphis nasturtii</i>			++			+
<i>Aphis spiraeicola</i>	++		++	x		x
<i>Aulacorthum circumflexum</i>		+++	x	++	++	++
<i>Aulacorthum solani</i>	x	++	x	++	+++	++
<i>Macrosiphum euphorbiae</i>	x	+++		+++		+++
<i>Myzus ascalonicus</i>			x	x	x	x
<i>Myzus nicotianae</i>	+		+++		x	x
<i>Myzus ornatus</i>	++	x	++		x	+
<i>Myzus persicae</i>	+++	+	++	++	++	++

Vegetable crops can be attacked by far more than ten different aphid species. The table lists the most important species (left column; in bold are the most common species or those which are economically important). The parasitoids present in VerdaProtect are listed in the first line. Their efficacy in the control of the different aphids is indicated by '+' for proven control under field conditions (+++ : very high efficacy, ++ : high efficacy, + : good efficacy) or 'X' for control under laboratory and semi field conditions.



About VerdaProtect

Mode of Action

- ⇒ Adult parasitoids hatch from mummies.
- ⇒ Parasitoids detect aphids and lay eggs inside.
- ⇒ The larvae develop inside the aphids.
- ⇒ Aphids die and the next generation of parasitoids emerges.
- ⇒ Parasitoid population increases naturally with increasing aphid thread.



Research

- ⇒ Trials: In different European countries, in plain soil and hydroponic cultures, several types of vegetables including sweet pepper, eggplant, and cucumber.
- ⇒ Results: Good control of aphid populations (including *Aphis gossypii*, *Macrosiphum euphorbiae* and *Aulacorthum solani*) by VerdaProtect.



Application

- ⇒ To be used in a preventive strategy : BEFORE detection of aphids in the crop
- ⇒ Easy and fast installation
- ⇒ Integrated feeding point for a longer life span of the parasitoids
- ⇒ Releases every 2 weeks
- ⇒ One dose covers 200 m²

Storage

Can be stored for one to two days after receipt at 10°C.

VerdaProtect, a strategic choice of the growers

In vegetables, the number of available active substances decreases and the maximal residue level authorized is constantly reduced. Moreover, due to increasing insecticide multiresistance, the chemical control of aphids becomes more and more complicated. By replacing aphicide application, VerdaProtect is the solution to all these emerging problems. It is able to control all commonly appearing aphids in vegetables. Its application in the ready-to-use units is much easier and faster than even any chemical treatment.