

Карповирусин – The contribution of UPL Bulgaria to 100% protection against oriental fruit moth and codling moth

Author(s): Растителна защита

Date: 08.07.2022 *Issue:* 7/2022



ИНСЕКТИЦИД



The timing for treatment against the second generation has been determined thanks to innovative forecasting and signalling technology

The economically most important pests in fruit orchards, which can cause 60 to 80% losses of production, are the oriental fruit moth and the codling moth. Depending on the region and temperatures, they develop 2, and in some cases 3 generations per year. Control is extremely difficult due to the concealed development of the larvae. Treatments are carried out with foliar applications according to the flight of the moths and the subsequent

egg laying, while preventive spraying is economically inefficient and leads to accumulation of residues in the fruit. The precise determination of the timing of spraying is of utmost importance, both from an economic and a practical point of view.

INNOVATION AND PRECISION

For the preparation of an adequate forecast and scheduling of treatments with the insecticide **Karpovirusin**, the specialists from UPL Bulgaria rely on the innovative technology embedded in the automatic traps equipped with video cameras, which provide information on the flight and density of the pest directly to a smart device, without the need for daily visits to the orchard.

PROTECTION WITHOUT COMPROMISE

Modern and innovative orchards cannot afford to compromise on quality, which is why they rely on **Karpovirusin** as a product for solving the problem with pests.

Doyan Agro has been a fruit producer for more than 14 years. UPL products have been part of the plant protection technology in their four apple orchards for more than three years now. That is precisely why they apply the insecticide **Karpovirusin** multiple times.

“We have been using the product for the third year and we are satisfied with it. It can be mixed with all other insecticides and fungicides. We applied it together with a fungicide and a foliar fertilizer.

There is no infestation by fruit moth so far. And since the effect is very good, we intend to continue using it in the future,” emphasized Svetoslav Kalinov, agronomist at Doyan Agro.

Here is what the Sales Manager of UPL for Southern Bulgaria, Zapryan Dimitrov, also shared. *“Here we carried out the first treatments 3–4 days after the beginning of the flight, targeting the eggs of the pest, so that we would not have damage to the fruit from the first generation of the codling moth. The product did an excellent job. The year is unusual, with frequent rainfall, but Karpovirusin works wonderfully. Our kind hosts decided to use the product also against the second generation of fruit moths, because it causes an even greater economic damage to the production.”*

Karpovirusin can be used 3–4 times during the vegetation period, depending on the population of codling moth and oriental fruit moth. It is suitable for implementation of integrated pest management. The product has contact

and stomach action. Feeding ceases 2–3 hours after ingestion of the virus. The larvae die, leaving virus-carrying residues.

QUALITY AND FORMULATION

Karpovirusin is based on a natural substance – a granulovirus, a natural pathogen isolated at the end of the last century. The formulation has been tested in Europe and the USA. It has been improved and studied for more than 20 years to reach its current form, for easy and safe use.

Karpovirusin is applied at a rate of 100 ml/ha. This is a biological product which in terms of efficacy is not inferior to its chemical analogues. Therefore, it is equally suitable for conventional and organic production. It spares beneficial insects, is safe for bees, for the environment and for the operators who work with it.

Karpovirusin does not burden the produce with residues and at the same time is not more expensive than chemical plant protection products.

Karpovirusin has exceptionally high UV protection and contains a powerful attractant guaranteeing increased effectiveness.

The adjuvant in Karpovirusin increases effectiveness in rainfall of about 40–45 l per sq.m.

The pre-harvest interval of Karpovirusin is 1 day and there is no risk of residues, which makes it extremely suitable for use at the end of the vegetation period.

“The insecticide shows uncompromising effect and the quality of the fruit is indisputable,” emphasized the UPL Product Manager, Evgeni Dinev. For better control, the recommendation is to treat again with the insecticide 10–12 days after the first application for 100% effectiveness against the pest.

CORRECTNESS AND SUSTAINABILITY

The correct attitude of the representatives and their readiness to always respond to the needs of producers, in combination with high-quality products such as the insecticide **Karpovirusin** are a guarantee for long-term cooperation and mutual sustainability of business relations.

This is why, for ensuring plant protection measures in orchards, the products of UPL Bulgaria occupy one of the leading positions.

See more information about the product [HERE](#) or contact a representative from UPL – [UPL CONTACTS](#)