



Nofly WP®

BIOINSECTICIDE FOR BIOLOGICAL CONTROL OF WHITEFLY AND OTHER INSECT PESTS



Benefits of use

NOFLY WP® is a biological contact insecticide formulated with spores of the enthomopatogenous fungus *Isaria fumosorosea* strain FE 9901, exclusive from FUTURECO BIOSCIENCE and developed as control method against whitefly (*Bemisia*, *Trialeurodes*, *Lecanoideus*, *Aleurodicus*), aphids and thrips (*Frankliniella occidentalis*) for horticultural indoor crops. **NOFLY WP®** is effective throughout all stages of insect biological cycle but especially during the immature stages of egg and/or larvae.

Once **NOFLY WP®** comes into contact with the insect, the spores identify its cuticle and adhere to it through hydrophobic interactions. Then, the spores penetrate chitin and protein matrices of the cuticle developing hyphae, which penetrate until hemocel and proliferate causing muscle paralysis and death. The infection cycle of *Isaria fumosorosea* is particularly rapid. First symptoms are apparent within 24 to 48 hours after the conidia contact the insect. Sporulation occurs with 72h. Under high relative moisture conditions the fungus can grow outside the insect and produce new infective spores.

NOFLY WP® can be applied at any phenological state due to the absence of a pre-harvest interval (PHI) that allows controlling a certain pest until the harvesting time ensuring a final product free of chemical residues. This enables us to obtain higher crop yields and of more quality and, therefore, increase crop profitability. In addition, **NOFLY WP®** does not affect beneficial living organisms or auxiliary fauna and it is compatible with most of plant protection products. Such characteristics are of great interest and make this product an ideal tool for integrated pest management systems (IPM) or organic agriculture.



Composition

	(%w/w)
<i>Isaria fumosorosea</i> FE 9901	18,0*
Inerts	82,0

*Equivalent to 2,0 x 10⁹ spores/gr

Efficacy trials

White Fly



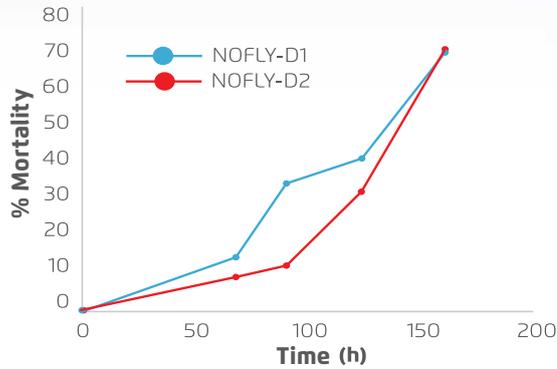
Thrips





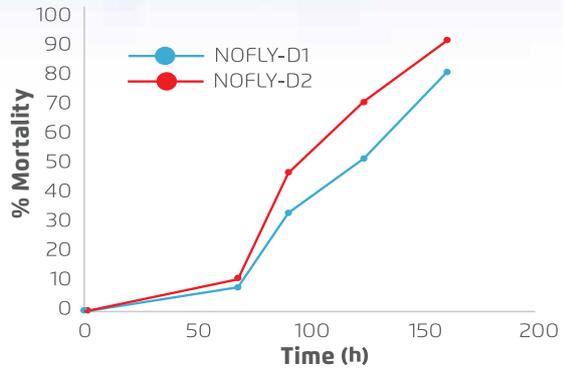
Effect on whitefly eggs

R+D Laboratory, Futureco Bioscience



Effect on whitefly larvae

R+D Laboratory, Futureco Bioscience



System and time of application

NOFLY WP® can be applied by foliar spray and during all the crop life cycle. The spores of *Isaria fumosorosea* are susceptible to high temperatures, dryness and UV radiation, thus, applications must be done avoiding unfavourable conditions. A high relative moisture favours its mode of action, therefore a previous irrigation might be recommendable.

Stability and storage

NOFLY WP® is stable for at least 1 year if kept under refrigeration conditions. At room temperature, it is stable during 6 months.

Keep in a fresh and ventilated place with temperatures below 26°C.

Do not store for long periods under direct sunlight.

Keep away from children.

Do not eat, drink, or smoke while manipulating the product.

Dosage

CROP	APPLICATION TIMING	DOSE (g/hl)	COMMENTS
Tomato	During the all crop life cycle. It is recommended to perform the first application at the beginning of economic damage threshold.	200-250	3-4 applications every 5-7 days. Application frequency depending on pest pressure.
Pepper			
Melon			
Zucchini			
Ornamental			

Compatibility

NOFLY WP® is compatible with most of plant protection products.

For mixing with any other product, before application, it is necessary to conduct a compatibility test, in small volume.

For further information, technical advices, or any enquiries, please contact your local distributor.