



Whiteflies



Aphid



Thrips



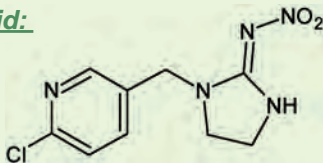
Leafminers



Bollworms

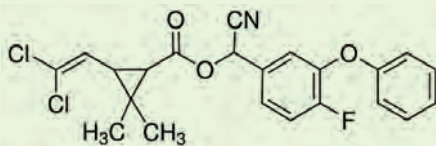
BUFFALO 100 OD™

Imidacloprid:



- ⇒ Imidacloprid is a systemic, neonicotinoid insecticide, with long residual action, intended to control mainly sucking insects on a wide range of crops.
- ⇒ Molecular Formula: $C_9H_{10}ClN_5O_2$
- ⇒ Mode of Action: Nerve action as a nicotinic acetylcholine receptor (nAChR) agonist.
- ⇒ IRAC Group: 4A

beta-Cyfluthrin:



- ⇒ Cypermethrin is a synthetic pyrethroid insecticide, with quick knock-down effect, used to control a wide range of insects on agricultural crops.
- ⇒ Molecular Formula: $C_{22}H_{18}Cl_2FNO_3$
- ⇒ Mode of Action: Nerve action as a sodium channel modulator
- ⇒ IRAC Group: 3A

Active Ingredients: Imidacloprid 75 gr/lit + beta-Cyfluthrin 25 gr/lit

Buffalo 100 OD™ is a powerful insecticide with systemic, translaminar and contact action for the control of Aphids, Thrips, Whiteflies, Leafminers and Lepidoptera pests on a wide range of crops.

Buffalo 100 OD™ effectively combines active ingredients with different and complementary mode of action, specially formulated as Oil Dispersion (OD).

- Beta-Cyfluthrin provides **Buffalo 100 OD™** with quick-knock down effect as a contact insecticide, while Imidacloprid with its systemic qualities ensures residual action.

Buffalo 100 OD™ Characteristics and Advantages

- OD Formulation
- Broad spectrum of activity
- Contact and systemic action
- Combination of 2 synergistic and complementary active ingredients
- Suitable for use on a wide range of crops
- Easily absorbed in plant tissues and digested by the target pest
- Not phytotoxic when used as directed
- Long lasting residual control
- Quick knock-down effect

What is an OD ?⇒

Stable dispersion of Active Ingredients in Oil

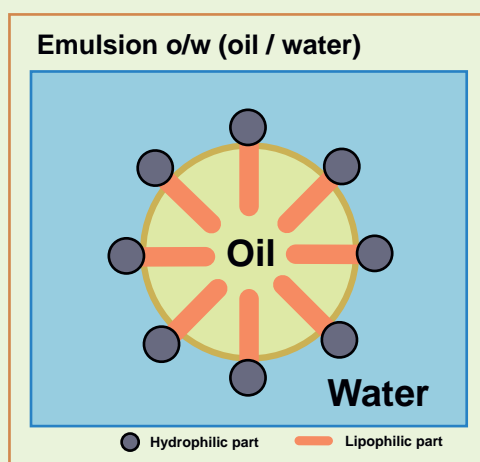
- Each droplet contains both Active Ingredients (A.I.) in a single oil droplet covered by a water film
- In the usual, classic pesticide formulations, the A.I.'s are in water droplet covered by oil

The Oil acts 4 ways:

1. Carrier of the A.I. into the plant tissues
2. Solvent of the Technical product
3. Safener – no phytotoxicity
4. Protects the A.I. from adverse conditions (UV, pH, heat, etc)

The OD unique formulation guarantees:

- Increased Efficacy
- Increased Rain-fastness
- Increased Stability
- Increased Safety



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Directions for proper user

- ⇒ Half-fill the spray tank/container with the required amount of water and add the required amount of **Buffalo 100 OD™**. Fill the spray tank to the level with water and mix to uniformity. Apply at first signs of infestation.
- ⇒ Ensure thorough and even coverage of the canopy.

Rate of Application

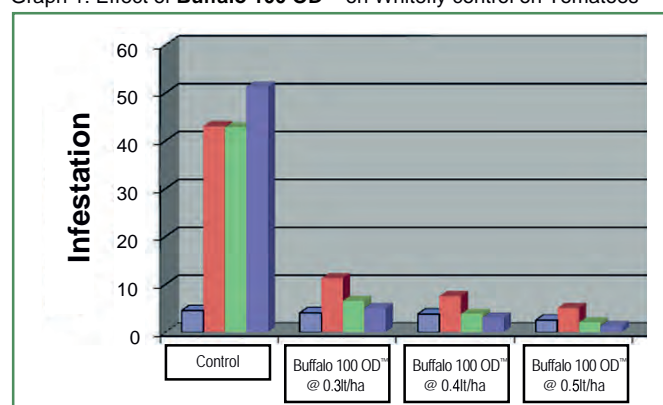
Crop	Pest	Application rate	Rate per Knapsack
Tomato	Aphids, Whiteflies, Leafminers, Thrips	0.3 - 0.4 lt/ha	10 - 20 ml
Potato	Colorado Beetle, Aphids, Whiteflies, Leafminers	0.3 - 0.5 lt/ha	10 - 20 ml
Beans, Onions	American Bollworms, Aphids, Whiteflies, Leafminers, Thrips	0.3 - 0.6 lt/ha	10 - 20 ml
Cotton	Army-worms, Boll-worms, Aphids, Whiteflies, Leafminers, Thrips, Caterpillars	0.3 - 0.5 lt/ha	10 - 20 ml
Wheat	Russian Aphids, Army-worms, Bollworms, Whiteflies, Thrips, Caterpillars	0.25 - 0.4 lt/ha	10 - 20 ml
Roses	Aphids, Whiteflies, Leafminers, Thrips	0.3 - 0.4 lt/ha	10 - 20 ml

Field Trials

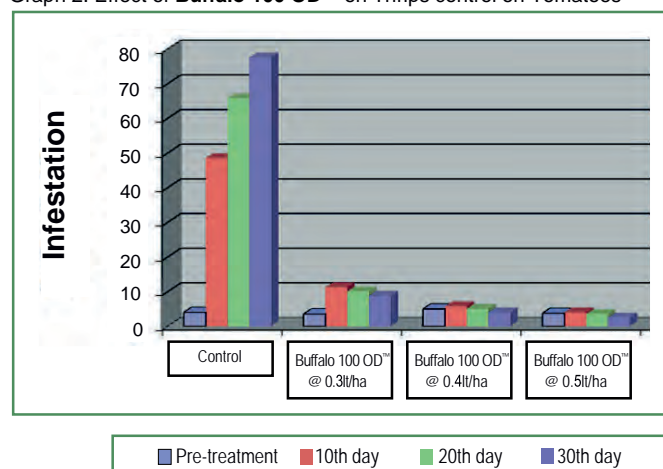
Extensive field research has proven the power of **Buffalo 100 OD™**. In Holland during 2016, **Buffalo 100 OD™** was extensively tested for the control of the whiteflies and thrips on tomatoes.

The results are depicted in the following graphs:

Graph 1: Effect of **Buffalo 100 OD™** on Whitefly control on Tomatoes



Graph 2: Effect of **Buffalo 100 OD™** on Thrips control on Tomatoes



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Supplier: