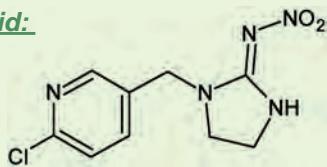


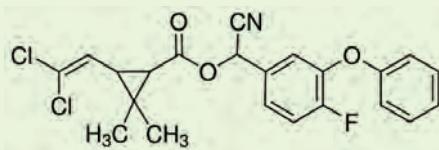
# BUFFALO 100 OD™

## 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: Imidecloprid 75 gr/lt + beta-Cyfluthrin 25 gr/lt

**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

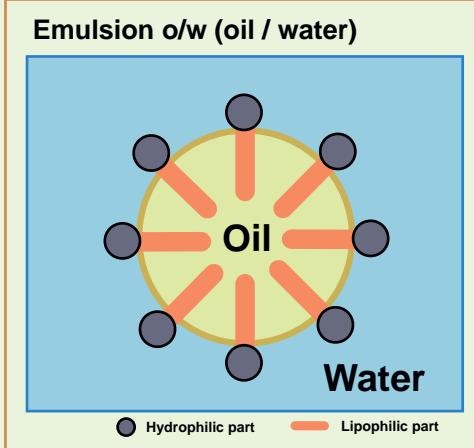
- Each droplet contains both Active Ingredients (A.I.) in a single oil droplet covered by a water film
- In the usual, classic pesticide formulations, the A.I.'s are in water droplet covered by oil

#### 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



**Disclaimer:** This information and all further technical advice is based on our present knowledge and experience and approvals from the registration authorities. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. In the event of any discrepancies between the information stated herein or any other information source and the information stated on the label of the product, the information stated on the label of the product will prevail. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of the customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

#### 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

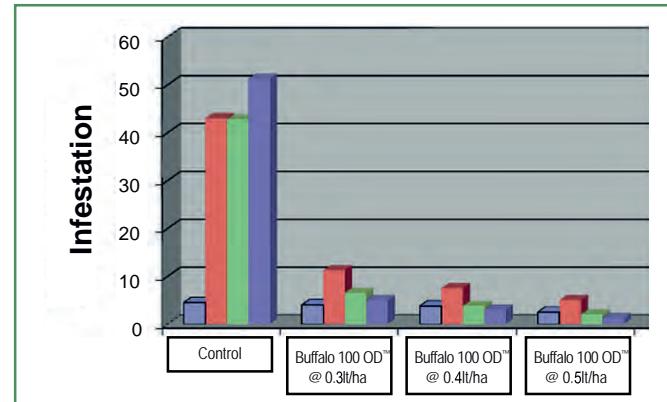
Crop	Pest	Application rate	Rate per Knapsack
Tomato	Aphids, Whiteflies, Leafminers, Thrips	0.3 - 0.4 lt/ha	10 - 20 ml
Potato	Colorado Beetle, Aphids, Whiteflies, Leafminers	0.3 - 0.5 lt/ha	10 - 20 ml
Beans, Onions	American Bollworms, Aphids, Whiteflies, Leafminers, Thrips	0.3 - 0.6 lt/ha	10 - 20 ml
Cotton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

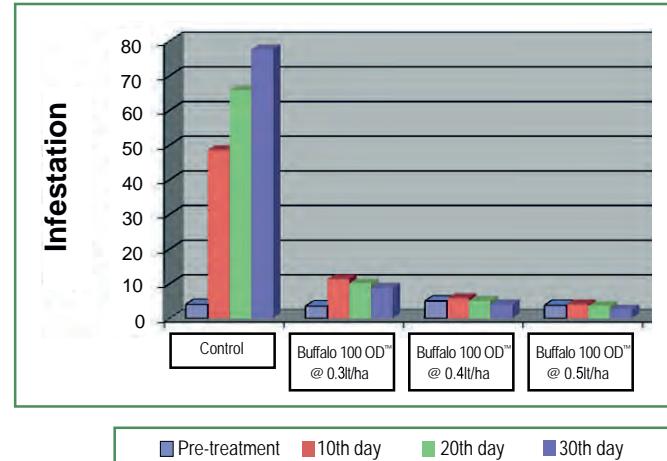
Extensive field research has proven the power of **Buffalo 100 OD™**. In Holland during 2016, **Buffalo 100 OD™** was extensively tested for the control of the whiteflies and thrips on tomatoes.

#### 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



BUFFALO 100 OD is a Trademark of Sineria Kenya Ltd.

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