



**K-Othrine<sup>®</sup>**  
**WG 250**

## INSECTICIDE

K-Othrine WG 250 is a water dispersible granule, containing Deltamethrin 250 g/kg.

K-Othrine WG 250 can be used indoors to control:

- ✓ **Crawling Insects: bed-bugs and cockroaches,**
- ✓ **Flies and house flies.**

For use as an INSECTICIDE (PT18) ONLY.

**40 g e** For professional use only.

WARNING



Safety information

**K-Othrine WG250**

Contains Deltamethrin 25.0% w/w (250 g/kg).

**Very toxic to aquatic life with long lasting effects. Harmful if inhaled.**

Avoid release into the environment. Avoid breathing dust and/or spray.

Collect spillage. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

**To avoid risks to human health and the environment, comply with the instructions for use.**

IE/BPA 70380, UK-2017-1082

**Authorisation Holder:** Bayer CropScience Ltd, 230 Cambridge Science Park, Milton Road, Cambridge, CB4 0WB, United Kingdom- [www.environmentalscience.bayer.co.uk](http://www.environmentalscience.bayer.co.uk) for SDS & larger label. From the UK and the Republic of Ireland: 00800 12149451, [www.environmentalscience.bayer.co.uk](http://www.environmentalscience.bayer.co.uk) for SDS & larger label. For 24 hour emergency information contact: Bayer CropScience Ltd. From the UK: 0800 220876, From the Republic of Ireland: Freephone: 1800 409399. **Use Biocides Safely and Sustainably. Always read the label and product information before use. It is illegal to use this product for uses or in a manner other than that prescribed on this label.**

Bayer

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## INTRODUCTION

K-Othrine WG 250 is a water dispersible granule containing Deltamethrin.

Once dissolved in water it gives a fine solution with a broad spectrum of sustained residual insecticidal activity on surfaces. The granules disperse within one minute of application to water. The suspension is non-staining, non-tainting, virtually odourless and biodegradable\*.

The Ezi-Doser and granule presentation offer the opportunity for accurate measurement with minimal operator exposure.

\*If delicate fabrics or materials, which maybe damaged by water, require treatment. Test the spray on a small inconspicuous area first.

K-Othrine WG 250 provides an insecticidal surface spray for:

- Crawling Insects: bed-bugs and cockroaches
- Flies and house flies.

for use in a variety of situations including, public hygiene, food storage, manufacture and food preparation.

K-Othrine WG 250 may also be used on board ships and aircraft cabins, galleys etc (complies with the requirements of AMS 1450A and Boeing D6-7127 for use in aircraft).

#### **USE AREA:**

For use in houses, blocks of flats, domestic premises, hotels, restaurants, hospitals, food factories and warehouses. The product is for hygiene use only and must not be used to protect plants and plant products from damage caused by insects.

#### **RATES OF USE:**

##### **Crawling insects:**

**Chronic infestations** where complete control has not been achieved or an extensive infestation where this risk of re-infestation is high: Dilute 5 g of product in 5 L water to treat 100 m<sup>2</sup>.

**Localized infestations** where there is no reason to expect re-infestation or that the insects will not be controlled by lower doses: Dilute 2.5 g of product in 5 L water to treat 100 m<sup>2</sup>.

Invading adult foragers of outdoor nesting ants such as *Lasius niger* are killed but their nest cannot be expected to be controlled by use of this product. Indoor nesting ants such as *Monomorium pharanis* should be treated with bait product to prevent formation of satellite nests.

**Bed Bugs:**

Dilute 10 g of product in 5 L water to treat 100 m<sup>2</sup>.

**Flies and House Flies:**

Dilute 5 g of product in 5 L water to treat 100 m<sup>2</sup>.

| INSECTS                                  | CONDITIONS                                                                                      | DILUTION RATE        |          | APPLICATION RATE         |
|------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------|----------|--------------------------|
|                                          |                                                                                                 | K-Othrine® WG 250    | Water    |                          |
| <b>Crawling Insects:<br/>Cockroaches</b> | Chronic infestations where <b>re-invasion is likely and long residual control is necessary.</b> | 5.0 g (10x Ezi-dose) | 5 Litres | 5 L / 100 m <sup>2</sup> |
|                                          |                                                                                                 | 1.0 g (2x Ezi-dose)  | 1 Litre  | 1 L / 20 m <sup>2</sup>  |
|                                          | Localised infestation: <b>Clean up treatment of isolated infestations.</b>                      | 2.5 g (5x Ezi-dose)  | 5 Litres | 5 L / 100 m <sup>2</sup> |
|                                          |                                                                                                 | 0.5g (1x Ezi-dose)   | 1 Litre  | 1 L / 20 m <sup>2</sup>  |
| <b>Bed Bugs</b>                          | Non wet clean area (e.g. mattress, bed frames.)                                                 | 10 g (20 x Ezi-dose) | 5 Litres | 5 L / 100 m <sup>2</sup> |
| <b>Flies, house flies.</b>               |                                                                                                 | 5.0 g (10x Ezi-dose) | 5 Litres | 5 L / 100 m <sup>2</sup> |
|                                          |                                                                                                 | 1.0 g (2x Ezi-dose)  | 1 Litre  | 1 L / 20 m <sup>2</sup>  |

## **DURATION OF CONTROL:**

The residual activity of the spray will be effected by the porosity of the surface. It is recommended to treat non-porous surfaces wherever possible.

### **Crawling Insects and Flies/House Flies**

The residual life of the deposit will last up to 4 weeks, depending on the cleanliness and nature of the surface to which it is applied.

Repeat treatment may be carried out as required, up to a maximum 11 applications per year.

### **Bed bugs**

Repeated treatment is necessary to control bed bugs. The residual life of the deposit will last up to 4 weeks, depending on the cleanliness and nature of the surface to which it is applied. For full efficacy against Bed bugs it is necessary to follow up initial treatment with spot treatments, for at least 4 weeks.

Treated areas should not be cleaned until treatment is finished.

## **INSTRUCTIONS FOR USE:**

### **Preparation of spray solution:**

Ensure that sprayer is clean and free of oily residues.

If necessary, wash out the sprayer with water and detergent before use and treat washings according to national and regional requirements.

Fill the sprayer to the appropriate level with water and agitate.

Carefully measure the granules with the Ezi-Doser into the spray tank.

Dilute with water only.

The granules will be fully dispersed within one minute.

Do not store spray suspension between application days.

Apply with a suitable hand held or mechanical sprayer capable of producing a coarse spray.

Apply as a coarse spray, to just short of run-off.

For treatment of exposed surfaces, use a flat fan nozzle.

To spray cracks and crevices use a pin-stream nozzle or special crack and crevice extension.

**Application:**

**Before Treatment:**

The general public should not be present in rooms during application.

The products should be applied so that children, pets, food or feedstuffs do not come in contact with the product.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

Remove food stuffs prior to treatment.

Cover water storage tanks, food preparation surfaces, food preparing equipment, and eating utensils with impermeable plastic before treatment.

Remove or cover all fish tanks and bowls before application.

After treatment remove the sheets and clean the surfaces.

Do not spray directly on people, animals or bedding.

Do not spray bed linen or other materials that come in direct contact with occupants of the bed or which might be washed.

Do not use to treat mattresses in cots where infants sleep.

The spray can be applied to any surface which is not damaged by water alone.



**Treatment: For use in areas not subject to wet cleaning:**

Spray wall/floor junctions, carpets, cracks and crevices where insects might find cover.

Pay particular attention to doors, windows, cracks and crevices and other entry points used by insects, as well as areas behind or under machinery, kitchen equipment or pipework.

When infested, spray bed frames and mattresses and cracks and crevices in adjacent wall and floor areas.

The only broadcast use of this products is to treat carpets or rugs. Spray 0.5 meter wide bands, overlapping to ensure even coverage.

Spray infested carpets paying particular attention to the edges of fitted carpets.

**Treatment: For use in areas subject to wet cleaning:**

Spray as a crack and crevices treatment only, to areas inaccessible to routine wet cleaning with a maximum band width of 0.1 m.

## **AFTER TREATMENT:**

### **General:**

K-Othrine WG 250 treated premises can be re occupied by children, pets and other animals once the sprayed surfaces are dry. After the spray is dry, it is recommended to ventilate the room.

As K-Othrine WG 250 is a residual insecticide it is not recommended to wash off or vacuum the area until the infestation is under control.

### **Following treatment for BedBugs:**

To prevent exposure to toddlers, the treated area as well as surrounding areas should be thoroughly cleaned after treatment is finalized. Toddlers should not access treated rooms/areas until treatment and cleaning have been completed.

### **Cleaning up:**

Do not apply to areas susceptible to routing wet cleaning. Remove spray drift and spill by cleaning after treatment using methods that do not lead to any potential product residues being discharged into wastewater. If wet cleaning is desired, use disposable tissues/cloths that are moistened with water and mild detergent. The used tissues/cloths must be discarded and not rinsed after use. Dispose of in line with local requirements. **The applicator must ensure that information on how to clean up after the treatment is given to the person responsible for cleaning.**

## **PRECAUTIONS**

### **Operator Protection:**

The (COSHH) Control of Substances Hazardous to Health Regulations 2004 may apply to the use of this product at work. (UK Only).

Wear suitable protective coveralls and gloves during mixing/loading and application of the product.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide equal or higher standard of protection. (UK Only).

### **Environmental Protection:**

Do not discharge the product or the diluted solution, (including the water used to clean the equipment) into the sewerage system.

Do not contaminate ground, waterbodies or water courses with chemicals or used container.

**Storage and Disposal:**

Keep container tightly closed.

Keep only in original container.

Keep in a safe place.

Protect from frost.

Dispose of contents/container in line with local regulations.

Keep away from food, drink and animal feedstuff.

When stored in a dry place K-Othrine WG 250 has a shelf life of 3 years.

**FIRST AID**

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae.

However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

In case of accident, or you feel unwell seek medical advice immediately (show label where possible).

If inhaled, move patient to fresh air and keep at rest. Call physician or poison control centre immediately.

If eaten, call physician or poison control centre immediately. Rinse mouth.

Do NOT induce vomiting. Wash hands and exposed skin before meals and after use.

Remove contaminated clothing immediately and dispose of safely.

Wash any contamination from skin or eyes immediately, for at least 15 minutes.

Call a physician if irritation develops and persists.

Do not handle treated fabrics until dry and air thoroughly before use.

**Poison Information:**

For information or to report a poisoning incident contact:  
The National Poisons Centre, Beaumont Hospital, Dublin (01-8092166)  
Retain the label for reference.

**RESISTANCE MANAGEMENT:**

Where possible, application treatments should be combined with non-chemical measures. Integrated Pest Management (IPM), should be considered. Products should always be used in accordance with label recommendations. Applications should always be made against the most susceptible stages in the pest life cycle. Where an extended period of control is required, treatments should be alternated with products with different modes of action. Levels of effectiveness should be monitored and instances of reduced effectiveness should be investigated for possible evidence of resistance, noting that sanitary conditions and proximity of untreated refuges can contribute to the risk or re-infection. In cases where label rates, correctly applied, fail to give the expected level of control and resistance is demonstrated, use of any product containing the same class of chemistry should cease.

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