

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# K-Obiol<sup>®</sup> EC Combi

## SYNERGISED GRAIN PROTECTANT

ACTIVE CONSTITUENTS: 50 g/L DELTAMETHRIN  
400 g/L PIPERONYL BUTOXIDE

**GROUP 3A INSECTICIDE**

**Contents**  
**1 - 10 L**

For mixing with uninfested cereal grain, including malting barley, sorghum, rice and maize, for protection against various insect pests as per the Directions for Use.

**DIRECTIONS FOR USE****RESTRAINTS**

DO NOT apply more than one deltamethrin post-harvest treatment to stored grain.

DO NOT use this product if post-harvest application of a deltamethrin grain protectant or other group 3A insecticide has previously occurred.

<b>SITUATION</b>	<b>PEST</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Stored cereal grain, including malting barley, sorghum, rice and maize	Saw-toothed grain beetle <i>Oryzaephilus surinamensis</i> Flat grain beetles <i>Cryptolestes spp</i> Lesser grain borer <i>Rhyzopertha dominica</i> Tropical warehouse moth <i>Ephestia cautella</i> Rust-red flour beetle <i>Tribolium castaneum</i> Confused flour beetle <i>Tribolium confusum</i>	1 L per 50 L water + an additional registered grain protectant* at the recommended rate.	<p>This product is for use only by <b>Approved Users</b>. For further information go to <a href="http://environmentalscience.bayer.com.au/K-Obiol">environmentalscience.bayer.com.au/K-Obiol</a>.</p> <p>Apply at the rate of 1 litre diluted spray per tonne of grain.</p> <p>Apply through standard grain spraying machinery. The output of spray through each nozzle must be regulated according to the flow of the grain.</p> <p>*Chose an additional grain protectant which contains fenitrothion or chlorpyrifos methyl.</p> <p>See mixing/applications instructions.</p> <p>This treatment will provide up to 9 months protection.</p> <p><b>Warning:</b> Resistant strains of some species may be present in some situations and may not be controlled by this product alone. Use of an additional grain protectant in a tank mix is therefore recommended. Refer below to <b>Note on control of <i>Sitophilus spp.</i> and resistant and tolerant strains of stored cereal grain pests.</b></p> <p><b>SINGLE APPLICATION ONLY</b></p>

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**IN WESTERN AUSTRALIA FOR USE BY APPROVED BULK GRAIN HANDLING AUTHORITIES ONLY**

**WITHHOLDING PERIOD:** Not required when used as directed. Observe any withholding periods which may apply to the additional grain protectant product in the tank mix.

**TRADE ADVICE****EXPORT OF TREATED PRODUCE**

Users should note that suitable MRLs or import tolerances may not have been established in all markets for produce treated with **K-Obiol EC Combi Synergised Grain Protectant** or the tank-mix-partner product. If necessary, details of overseas MRL's or tolerances should be obtained prior to treating of grain for export using this product.

**GENERAL INSTRUCTIONS****MIXING/APPLICATION**

DO NOT store diluted insecticide; prepare a fresh solution as necessary. DO NOT spray the moving parts of any machinery, electric motors or switch-gear with the water-based diluted spray. The diluted spray should be applied through standard grain spraying equipment. The spray nozzle(s) must be capable of delivering an even spray pattern and the output of spray must be regulated according to the flow of the grain. The spray rate, measured in litres per hour must equal the auger or elevator uptake in tonnes per hour. Treated grain should not be moved for 24 hours after treatment. On completion wash out spraying equipment, mixing and measuring utensils with water.

**COMPATIBILITY**

As formulations of other manufacturers' products are beyond the control of Bayer CropScience Pty Ltd and as water quality may vary, all mixtures should be tested prior to mixing commercial quantities to assess physical compatibility. Read the label for the other insecticide product before mixing or using the tank mix. DO NOT mix concentrates together but add each one to the spray tank separately. DO NOT store mix overnight. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience Pty Ltd cannot be responsible for the behaviour of such mixtures.

**INSECTICIDE RESISTANCE WARNING**

<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management, **K-Obiol EC Combi** is a group 3A insecticide. Some naturally occurring insect biotypes resistant to **K-Obiol EC Combi** and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if **K-Obiol EC Combi** or other Group 3A insecticides are used repeatedly. The effectiveness of **K-Obiol EC Combi** on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of **K-Obiol EC Combi** to control resistant insects. **K-Obiol EC Combi** may be subject to specific resistance management strategies. For further information contact your local supplier or Bayer Environmental Science representative.

**Note on control of *Sitophilus* spp. and resistant and tolerant strains of stored cereal grain pests:**

For control of Rice weevil, Granary weevil, Maize weevil (*Sitophilus* spp.) and strains of pests in stored cereal grains which are resistant to or naturally tolerant to the pyrethroid group of insecticides, a tank mix of K-Obiol EC Combi and another registered insecticide (e.g. fenitrothion or chlorpyrifos methyl) is recommended. Before use, read the label of the product to be used in a tank mix with K-Obiol EC Combi to ensure all use recommendations and restrictions are understood. These restrictions include, though may not be limited to, a withholding period of 90 days for grain treated at 12 ppm with fenitrothion and no permitted use of chlopyrifos-methyl products for stored grain treatment of rice and malting barley.

See also Compatibility section.

**PRECAUTIONS**

**RE-HANDLING:** DO NOT handle treated grain until the spray has dried unless wearing chemical resistant gloves and a disposable dust mask covering mouth and nose.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product. DO NOT reuse empty containers for any other purpose.

**SAFETY DIRECTIONS**

Harmful if inhaled or swallowed. Will damage the eyes. Will irritate the skin. Avoid contact with eyes and skin. Do not inhale vapour. Ensure adequate ventilation when using product. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist or equivalent clothing, elbow length PVC gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (phone 13 11 26).

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet.

**Exclusion of Liability**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No.: 66921/110509

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(10 L only)

For 24 hour specialist advice in an emergency only phone 1800 033 111

Batch Number:

DOM:

Barcode

**GHS****Harmful if inhaled or swallowed. Causes serious eye damage.**

Avoid breathing vapour. Wear eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.