

**WARNINGS:** Handle concentrate with care. Poisonous when swallowed or inhaled. **K-Obiol® EC 25** may cause transient irritation of the skin, eyes and nasal membranes. Keep out of reach of children, uninformed persons and animals. Toxic to fish, bees and wildlife. Store in a cool place away from food and feedstuffs. In case of poisoning call a doctor and make this label available to him.

**PRECAUTIONS:** Do not use in the presence of persons with known sensitivity of pyrethroids. In the case of signs of sensitivity, obtain medical advice. Wear protective clothing when handling the concentrate or diluted solution. Avoid skin contact and wash splashes from skin or eyes immediately. Wash with soap and water after use. Wash contaminated clothing daily. Do not eat, drink or smoke whilst mixing or applying or before washing hands and face. Prevent contamination of food, feedstuffs, drinking water, eating utensils and food preparation equipment. Rinse empty container three times with a volume of water equal to a minimum of 10 % of the container. Add the rinsings to the contents of the spray tank before destroying the container. Destroy empty container and do not re-use for any other purpose.

**SYMPTOMS OF HUMAN POISONING:** Numbness of lips and tongue, sneezing, nausea, vomiting, diarrhoea, headache, restlessness, incoordination, chronic convulsions, stupor, prostration.

**FIRST AID AND TREATMENT:** Remove patient from source of poisoning to a well-ventilated area and keep him quiet and reassured. Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and water. After eye contact, flush contamination out of eyes with clean water and call a doctor. If swallowed do not induce vomiting. Wash out mouth with water and call a doctor immediately.

**NOTE TO PHYSICIAN:** Treat symptomatically.

**DIRECTIONS FOR USE:** USE ONLY AS DIRECTED.

- Direct application to maize, wheat, rye, oats and sunflower in bulk storage.
- Dilute 1 part **K-Obiol® EC 25** to 16,5 parts of water (600 ml to 10 l) to give a mixture containing 0,15 % m/v deltamethrin.
- Calibrate the spray equipment according to the following calculation to give a nominal deposit of 0,75 ppm deltamethrin on maize and small grain and 1,5 ppm on sunflower.

$$\frac{\text{Grainflow in tons/h} \times 76}{55} = \dots \text{ ml} / 10 \text{ sec.}$$

- Recommendation: Reduce spray pressure to 1,5 bar and increase nozzle size to (at least) TX 12 to ensure that the spray reaches the grain, without loss to the atmosphere. With the correct equipment setting, a more effective application can be achieved with minimal exposure to the spray mist.

**2. Seed treatment**

**K-Obiol® EC 25** is suitable for tank mix application with registered fungicide mixtures for seed treatment.

At 1 ppm **K-Obiol® EC 25** does not adversely affect the germination of maize, wheat and barley seed.

**3. Residual treatment of surfaces**

For use on non-porous surfaces in barns, warehouses and stores where grain is stored. For a contact and surface residual spray apply with any suitable hand, mechanical or electrically operated sprayer capable of or adjusted to produce a coarse spray. Special attention should be given to cracks, crevices and other insect harborage. Dilute 100-120 ml **K-Obiol® EC 25** in 10 l water and apply the mixture to 200 m².

**4. Fogging of storage facilities**

For use with a suitable thermal fogging device. Close windows and doors before applying. Product should preferably be applied in the late afternoon or early evening and the facility should be left closed overnight. **K-Obiol® EC 25** must be diluted with paraffin or diesel. The dilution rate is 1 l **K-Obiol® EC 25** in 1 l paraffin or diesel. The mixture is applied at 1 l solution per 4000- 5000 m³. **K-Obiol® EC 25** will also prevent tropical grain moth eggs from hatching and control lesser grain borer when used as a fogging solution.

**5. Treatment of bag stacks**

Treatment of bag stacks with **K-Obiol® EC 25** will prevent contamination of the grain by invading insects. If the bagged grain is already contaminated it should be fumigated before treatment with **K-Obiol® EC 25**. **K-Obiol® EC 25** is diluted with water and sprayed onto bag stack surfaces using a suitable compression or motorized knapsack sprayer adjusted to deliver a coarse spray. Dilute 60-100 ml **K-Obiol® EC 25** in 10 l water and apply to 100 m² of bag stack surface. Repeat every three months.

For any enquiry, contact Bayer - **0861 022 937 (08610BAYER)**. For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

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Batch no./Lotnommer: See container  
Date manufactured/Datum vervaardig: Sien op houer



Bayer

**WAARSKUWINGS:** Hanteer konsentraat versigtig. Giftig wanneer ingesluk of ingeasem. **K-Obiol® EC 25** mag 'n kortstondige irritasie van die vel, oë en neusvliese veroorsaak. Hou buite bereik van kinders, oningeligte persone en diere. Giftig vir visse, bye en wild. Bewaar op 'n koel plek, weg van voedsel en voer. In die geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.

**VOORSORGMATREËLS:** Moet nie in die teenwoordigheid van persone wie sensitief is vir piretroïede, gebruik nie. In die geval van tekens van sensitiviteit, kry mediese hulp. Dra beskermende klere wanneer die konsentraat of verdunde oplossing hanteer word. Vermoë velkontak en was vel en oë onmiddellik na kontak met spatels. Was na gebruik met seep en water. Was besoedelde klere daaglik. Moenie gedurende vermenging of aanwending, of voordat hande en gesig gewas is, eet, rook of drink nie. Voorkom besoedeling van voedsel, voer, drinkwater, eetgerei en voedselvoorbereidingsuusting. Spoel lêe houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuitkenk voordat die houer vernietig word. Vernietig lêe houer en moet vir geen ander doel gebruik nie.

**SIMPTOME VAN VERGIFTIGING:** Larnheid van lippe en tong, nies, mislikheid, braking, buikloop, hoofpyn, rusteloosheid, gebrek aan koördinasie, stuiptrekkings, gevoelloosheid, uitputting.

**EERSTEHULP BEHANDELING:** Verwyder pasiënt van die bron van vergiftiging na 'n goed geventileerde omgewing en hou hom kalm en gerusgestel. Verwyder besoedelde klere en spoel die besmette liggaamsdele deeglik met baie seep en koue water af. Na oogkontak, spoel besmette oë uit met skoon water en kontak 'n geneesheer. Indien ingesluk, moenie braking indueer nie. Spoel mond met water uit en kontak 'n geneesheer onmiddellik.

**NOTA AAN GENEESHEER:** Behandel simptome.

**GEBRUIKSAANWYSINGS:** GEBRUIK SLEGS SOOS AANGEDUI.

- Direkte aanwending op mielies, koring, hawer, rog en sonneblom in opberging.
  - Verduin 1 deel **K-Obiol® EC 25** met 16,5 dele water (600 ml met 10 l) om 'n mengsel van 0,15 % m/v deltametriën te gee.
  - Kalibreer die spuittoestel volgens die berekening om 'n nominale neerslag van 0,75 dpm deltametriën op mielies en kleingraan en 1,5 dpm op sonneblom te gee.

$$\frac{\text{Graanvloeï in ton/h} \times 76}{55} = \dots \text{ ml} / 10 \text{ sek.}$$

- Aanbeveling: Verminder spuitdruk tot 1,5 bar en vergroot spuitkop tot (ten minste) TX 12, om te verseker dat die spuitmiddel op die graan aangewend word, sonder verlies aan die atmosfeer. Met die korrekte instelling van die spuitapparaat, sal meer effektiewe toediening verkry word met minimale blootstelling aan die spuitnevel.

**2. Saadbehandeling**

**K-Obiol® EC 25** is geskik vir toediening as tenkvermenging met geregistreerde swamdoder oplossings vir saadbehandeling.

Met 'n toediening van 1 dpm **K-Obiol® EC 25** op graan, sal die ontkieming van mielies, koring en rog nie nadelig beïnvloed word nie.

**3. Residuele behandeling van oppervlakke**

Vir gebruik op nie-poreuse oppervlakke in skure, pakhuse en store waar graan geberg word. As 'n kontak en oppervlak residuele spuit, dien toe met enige geskikte hand, meganiese of elektriese spuit wat 'n growwe spuit kan lewer. Spesiale aandag moet aan krake, splete en ander inselwegkruipplekke gegee word. Dien 100-120 ml in 10 l water per 200 m² op nie-poreuse oppervlakke toe.

**4. Beroking van stoorfasiliteite**

Vir gebruik met 'n geskikte termiese berokingsapparaat. Maak vensters en deure toe voor toediening. Produk moet verkieslik laat middag of vroegeand toegedien word en die fasiliteit moet oornag toegehou word. **K-Obiol® EC 25** moet met paraffien of diesel verduin word. Die verdunning is 1 l **K-Obiol® EC 25** in 1 l paraffin of diesel. Die mengsel word toegedien teen 1 l oplossing per 4000-5000 m³. **K-Obiol® EC 25** sal ook tropiese graanmot eiers verhoed om uit te broei en kleingraanboorder beheer wanneer dit as 'n berokingsmiddel toegedien word.

**5. Behandeling van sakstapels**

Behandeling van sakstapels met **K-Obiol® EC 25** sal die besmetting van graan deur insekte voorkom. As die gepakte graan reeds besmet is, moet dit eers berook word voor behandeling met **K-Obiol® EC 25**. **K-Obiol® EC 25** verduin met water en gespuut op sakstapels met 'n geskikte druk- of motoraangedrewe rugsakspuit wat gestel is om 'n growwe bespuiting te lewer. Verduin 60-100 ml **K-Obiol® EC 25** in 10 l water en dien toe op 100 m² sakstapeloppervlak. Herhaal elke 3 maande.

Vir enige navrae, skakel Bayer - **0861 022 937 (08610BAYER)**. Slegs vir vergiftigingsnoodgevalle kan Griffon Gift Inligtingsentrum ook gekontak word - 082 446 8946.

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**K-Obiol®**  
**EC 25**

**INSECTICIDE**

REG. NO. L4586 Act No. 36 of 1947

Before using this product read the label carefully.

**An emulsifiable concentrate containing a residual contact pyrethroid for the admix treatment of bulk stored raw cereals - maize, wheat, rye, oats and sunflower stored in silos. Also for use as a residual spray treatment, thermal fogging solution and for the treatment of bag stacks in grain storage facilities. For the control of confused flour beetle, saw-toothed grain beetle, rust-red flour beetle, rice weevil, granary weevil, maize weevil and flat grain beetle.**

**ACTIVE INGREDIENTS:**

Deltamethrin (pyrethroid)..... 25 g/l  
Piperonyl butoxide..... 225 g/l

**REGISTRATION HOLDER:**

Bayer (Pty.) Ltd.  
Reg. No. 1968/011192/07  
P.O. Box 143, ISANDO 1600, SOUTH AFRICA  
TEL: (011) 921 5911

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UN No. 1993

**5 I**

Maize Weevil • Confused Flour Beetle • Saw-toothed Grain Beetle

