

# ACTELIC 50EC

A broad spectrum organophosphorus insecticide with contact, stomach and vapor action for control of wide range of pest in bulk-stored grain, bagged grain, storage surfaces. For public health, used for control of adult mosquitos and cockroaches.

- Active ingredient:**Pirimphos-methyl 500g/l (49.02% w/w)
- Formulation:**Emulsifiable Concentrate (EC)
- Registration:**PCPB(CR)0014
- Classification:**WHO Class II

## MODE OF ACTION

ACTELIC 50EC contains pirimophos-methyl, an organo-phosphorus compound, which kills insects by contact, ingestion and fumigant action. Pirimophos-methyl as acetlcholinesterase inhibitor, causing malfunction of the nervous system.

## SPECTRUM OF CONTROL

ACTELIC 50EC controls the following pests of stored grain: Saw-toothed Grain Beetle (*Oryzaephilus surinamensis*), Grain Weevil (*Sitophilus granarius*), Common Flour Mite (*Acarus siro*), Warehouse Moth (*Ephestia elutella*), Flour or Mill Moth (*Ephestia kuhniella*), Flour Beetles (*Tribolium spp.*), Rust-red Grain Beetle (*Cryptolestes ferrugineus*) and Cosmopolitan Food Mite (*Glycyphagus destructor*).

## DIRECTION FOR USE.

### STORED PRODUCTS

- (a)

Applied in stores as pre-treatment

- Applied on walls, floors and equipment in stores.
  - Best applied in an empty store.
  - Use 200ml of ACTELIC 50EC per 100m<sup>2</sup> in 20 liters of water
- (b)

For admixture treatment, Apply ACTELIC 50EC at 8 - 10ml in 1Lt water/1000kg grain.

Spray using a suitable nozzle as the grain is fed into the bins.

Crops/ situations	Maximum individual dose	Remarks
Admixture: stored wheat, barley and oats.	8 ml product/tonne grain.	One application per batch of grain. The maximum concentration must not exceed 8 ml product in 0.75 litres water.
Floors/walls	200ml (20L of water)	Spray 100M <sup>2</sup> surface (Wet to run-off point). Spray the ground surrounding the store. Ventilate the store before re-entry.



## PUBLIC HEALTH

- Fogging add 25ml white oil or colourless kerosene and apply as fog to treat 500m<sup>3</sup> of air space.
- Warehouse and household control of cockroaches.
- Mosquito larviciding- control of mosquito larvae.

Target pest /situation	Actellic 50EC/area	Diluent	Actellic/L of spray solution	Dilution ratio	Amount of spray solution per unit area applied.
Residual Malaria mosquitoes	2-4ml/M <sup>2</sup>	Water	50-100ml+10	1+20-1	Apply spray solution at a rate of 40ml per M <sup>2</sup> of surface
Flies and nuisance mosquitoes indoors	1ml/M <sup>2</sup>	Water	25ml	1+40	
Flies: Long persistence	2-4ml/M <sup>2</sup>	Water	50-100ml+10	1+20-1	
Outdoors cockroaches	2-4ml/M <sup>2</sup>	Water	50-100ml (Low dose for low infestation, high rate for higher infestation)	1+10/1+20	
Space treatment mosquitoes	200ml/Ha	Kerosene /diesel	100ml	1+10	2L/Ha
Thermal fog hand held vehicle mounted	200ml/Ha	Kerosene /diesel	40ml	1+25	5L/Ha
Cold aerosol ULV ground	200ml/Ha	Kerosene /diesel	400ml	1+15	0.5L/Ha
Aerial	400ml/Ha	Kerosene /diesel	200ml	1+4	2L/Ha
Mosquito larvicide: Short persistence/ shallow water.	100ml/Ha	Water	1ml	1+100	100L/Ha
Long persistence/ deep water	100ml/Ha	Water	10ml	1+1000	100L/Ha

## BENEFITS OF USING ACTELIC 50EC

- Has wide spectrum of activity against insect pests in stored grain and in public spaces against mosquitos and cockroaches.
- Has fumigant action besides being a stomach and contact poison.
- Has very low mammalian toxicity and is environmentally friendly
- Actellic 50 EC doesn't taint nor stain sprayed surfaces- therefore suitable for clean-up sprays in public spaces and grain storage.

**WARRANTY:** Seller’s guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the handling of this product and accepts the product on that condition.

## MAELEZO YA ACTELIC 25 EC - Dawa ya wadudu

Kiua dudu chenye nguvu ya kufukuza na kuua wadudu kwenye ghala la kuhifadhi nafaka kwa njia ya kugusana na wadudu, kumeza au kupitia njia ya Mvuke. Kwa afya ya umma, hutumiwa kudhibiti mbu wazima na mende.

- DHAMANA:**Pirimphos-methyl 500g /Lit (49.02% w / w)
- UUNDAJI:**Emulsifiable concentrate

**NAMBARI YA USAJILI:** PCPB (CR) 0014  
**UAINISHAJI:** Darasa la II la WHO

**Njia ya utendakazi:**

Actellic 50EC ina pirimiphos-methyl, kiungo cha organo-phosphorus, ambacho huua kwa kugusana na wadudu, kumeza au kupitia njia ya Mvuke. Actellic 50EC inatatiza na kuzuia uvutaji wa hewa safi, kudhoofisha na kusababisha kifoo kwa wadudu (cholinesterase inhibitor).

**BIDHAA ZILIZOHIFADHIWA**

- (a) Inatumika katika ghala kama matibabu ya mapema
- Inatumika kwenye kuta, sakafu na vifaa kwenye ghala.
  - Bora zaidi itumike katika ghala tupu.
  - Tumia 200ml ya ACTELLIC 50EC kwa 100m<sup>2</sup> katika lita 20 za maji
- (b) Kwa matibabu ya mchanganyiko, Tumia ACTELLIC 50EC kwa 8 - 10ml katika 1Lt ya maji / 1000kg nafaka. Nyunyizia ukitumia bomba inayofaa wakati nafaka inapakiwa ndani ya mapipa.

Matumizi	Kiwango	Mapendekezo
<b>Mchanganyiko:</b> kuhifadhiwa ngano, shayiri na oat.	Bidhaa 8 ml / nafaka ya tani	Nyunyizia mara moja kwa kundi la nafaka. Kiwango cha juu haupaswi kuzidisha 8 ml ya dawa katika lita 0.75 ya maji.
Sakafu / kuta	200ml (20L ya maji	Nyunyiza ukuta wa 100M <sup>2</sup> (Wet to run-off point). Nyunyizia ardhi inayozunguka duka. Fungua ghala kabla ya kuingia tena, pate hewa safi.

**FAIDA ZA KUTUMIA ACTELLIC 50EC**

- Ina uwezo mkubwa wa kuangamiza wadudu wanaovamia nafaka ndani ya ghala. Katika maeneo ya umma, dhidi ya mbu mzima na mende.
- Ina uwezo wa kufukuza, mbali na kuuwa kwa sumu ya tumbo
- Iko na sumu ya chini sana kwa wanyama mamalia na ni rafiki wa mazingira
- Actellic 50 EC haichafui kuta au mahali imetumiwa kwa hivyo kufaa zaidi kutumika kama dawa ya kusafisha kwenye nafasi za umma na kuhifadhi nafaka.

**Dhamana**

Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo ni lazima yafuatwe kikamilifu. Mnunuzi lazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.

# Actellic 50 EC

## INSECTICIDE

**Pirimiphos-methyl 500g/l (49.02% w/w)**

*A broad spectrum organophosphorus insecticide with contact, stomach and vapor action for control of wide range of pest (except larger or greater grain borer) in bulk-stored grain, bagged grain, storage surfaces. For public health, used for control adult mosquitos and cockroaches.*

**Rafiki wa mkulima**

stored wheat, barley & oats.

Floors/walls

Flies and nuisance mosquitoes indoors

Mosquito larvicide: Short persistence/ shallow water.

Angamiza wadudu shambani na wadudu kwenye ghala

Actellic 50EC

Weevils

Stored wheat, barley & oats.



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