

#### DESCRIPTION

KATRIN is a fast acting, non-systemic, pyrethroid insecticide with contact and stomach action against a wide range of insects such as aphids, thrips and whiteflies. KATRIN has a knockdown, repellent and anti feeding effects.

#### DIRECTIONS FOR USE

Target pest and application method.

Crop	Pests	Dosage /Ha	P.H.I (Days)
French beans,	Aphids, thrips and whiteflies	0.5 Lt/Ha	1
Roses	Aphids, thrips and whiteflies	0.5 Lt/Ha	-

For a 20 litre knapsack, use 10-15ml KATRIN

Re-Entry Period : 6 hrs or after spray has dried on the leaves

#### METHOD OF APPLICATION

KATRIN is applied by leaf surface spraying using all types of spraying equipment. Thorough wetting of the crop must be ensured. Application should be made when pests first appear and continue every 7-10 days depending on infestation.

#### PREPARATION OF SPRAY

Add the recommended quantity of KATRIN into the required amount of water and stir well. Use the spray on the same day of its preparation.

#### PHYTOTOXICITY

KATRIN is not phytotoxic when used as recommended.

#### HANDLING PRECAUTIONS

- Do not smoke drink or eat while using this product.
- Avoid eye contact, wear safety goggles when handling the product.
- Avoid spray mist and exposure to the product. Wear rubber gloves, mask covering nose and mouth. Wear protective clothing when handling the product.
- After application wash yourself and your work clothes.
- Do not enter treated areas within **12 hours of application** unless protective clothing is worn.

**STORAGE:** Store in original, tightly closed container away from children, food, drinks and livestock feedstuffs. Store in a cool, dry and well ventilated area under lock and key. Avoid exposure to direct sunlight.

**DISPOSAL:** Surplus product, if unused should be disposed off on a landfill site approved for pesticides away from water sources. Do not use empty container for any other purpose. Empty containers are to be triple rinsed, flattened, perforated and disposed off on a landfill site or buried in a safe place away from water sources.

**SPILLAGE AND LEAKAGE:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**ENVIRONMENT AND WILDLIFE:** The product is toxic to fish and aquatic invertebrates. Do not contaminate water sources and supplies by disposal of product waste. Keep livestock out of treated areas.

#### FIRST AID INSTRUCTIONS

**In case of eye contact:** Flush the eyes with running water for at least 15 minutes while holding eyelids open to help flush out material. Contact a physician immediately.

**In case of skin contact:** Wash contaminated skin with soap and plenty of water. Remove contaminated clothing. First, soak up any liquid remaining on the skin with readily disposable material (e.g. talcum powder or absorbent cloth or paper) wash the affected area with warm water and alkaline soap. If irritation persists, contact a physician immediately.

**In case of inhalation:** Remove the patient away from contaminated area and place the patient in a well-ventilated area and give artificial respiration. Keep warm and at rest. Consult a doctor.

**In case of ingestion:** If the material is swallowed and signs of toxicity are severe, induce vomiting. In the event of collapse, apply artificial respiration. Keep in mind that if mouth-to-mouth resuscitation is used, vomit may contain toxic amounts of Deltamethrin. Keep the person calm and comfortable and obtain medical assistance as soon as possible.

#### TOXICOLOGICAL INFORMATION

**Symptoms of poisoning:** It is expected that following ingestion, nausea, vomiting, diarrhoea, contracted pupils, salivation, sweating, coma (at very high doses), breathing difficulties and convulsions may occur. Skin and eye paraesthesia (cold burning) may be severe.

#### Antidote:

No specific antidote

#### Notes to the physician

Apply symptomatic therapy and supportive therapy. In case of ingestion, induce vomiting, perform gastric lavage taking care to prevent aspiration of gastric content and administer saline purgatives.

**In case of an emergency, call Toll free Nos: 0800720021 and 0800730030 (24hrs)**

#### NOTICE TO USER

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use or store a pest control product under unsafe conditions.

#### 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 use or handling of this product and accepts the product on that condition.

READ THE LABEL BEFORE USING (SOMA KIBANDIKO KABLA YA KUTUMIA)

# KATRIN<sup>25EC</sup>

## 2.5% EMULSIFIABLE CONCENTRATE

Insecticide for control of aphids, thrips and whiteflies in french beans and roses.

(Dawa asili aina ya pyrethroid, inayowaangamiza wadudu aina ya “aphids”, “thrips” na “whiteflies” kwenye maharagwe na maua ya waridi).

COMMERCIAL & AGRICULTURAL CLASS  
(SEHEMU YA BIAHARA NA KILIMO)

GUARANTEE: DELTAMETHRIN 25 G/L  
(DHAMANA)

REGISTRATION No. : PCPB (CR) 0580  
(NAMBARI YA KUSAJILIWA):

KEEP LOCKED AND OUT OF REACH OF CHILDREN (WEKA MBALI NA WATOTO)



**SHELF LIFE:** 2 years from date of manufacture in original, unopened container stored in a cool dry well ventilated place.

(MUDA RAFUNI: Miaka miwili baada ya tarehe ya kutengenezwa ikihifadhiwa kwenye mtungi wake halisi usiofunguliwa na uliowekwa pahali pakavu na baridi).



MEMBER OF  
AGROCHEMICALS  
ASSOCIATION OF KENYA  
REGISTRATION NUMBER 102

Net Content  
(Kiasi kamili)  
**20 Litres**

#### DISTRIBUTOR (MSAMBAZAJI):

Twiga Chemical Industries Ltd.  
P.O. BOX 30172, 00100, GPO,  
NAIROBI, KENYA.  
TEL: 3942300, FAX: 3942405



#### MANUFACTURER (MTENGENEZAJI):

TAGROS CHEMICALS INDIA LIMITED  
Jhaver Centre, IV Floor, Rajah Annamalai  
Building, 72, Marshalls Road, Egmore,  
Chennai – 600 008, INDIA



HARMFUL (INADHURU)

## MAELEZO

KATRIN ni dawa asili aina yakubuni aina ya pyrethroid, inayowaangamiza wadudu aina nyingi kwenye maharagwe na maua. Huwaangamiza wadudu kama vile “aphids”, “thrips” na “whiteflies”

#### NJIA YA KUTUMIA

KATRIN inaweza kunyunyuziwa kwenye matawi kwa njia ya “spray” kutumia vifaa vya kawaida vya kunyunyuziwa. Unyunyuziaji sharti ufanywe mara tu wadudu wanapoonekana na kurudia baada ya siku saba (7) hadi kumi (10) kulingana na jinsi mmea umeshambuliwa na wadudu.

#### Kutengeneza mchanganyiko wa dawa

Weka maji ndani ya bomba la kunyunyuziwa dawa hadi nusu. Ongeza kiwango cha KATRIN kinachohitajika ukiwa unakoroga mchanganyiko. Kisha jaza maji kwenye bomba ukiendelea kukoroga. Mchanganyiko wa dawa usilale baada ya kuchanganya.

#### VIWANGO VYA MATUMIZI

MIMEA	WADUDU WAHARIBIFU	VIIMO KWA HEKTARI	MUDA WA KUNGOJA KABLA YA KUVUNA
“French beans”	Aphids, thrips na whiteflies	Nusu lita (lita 0.5) kwa hektari	Siku 1
Maua ya Waridi	Aphids, thrips na whiteflies	Nusu lita (lita 0.5) kwa hektari	-

Tumia mililita 10 -15 ya KATRIN kwa lita 20 za maji

Muda wa kungoja kabla ya kurudi mahali palipo nyunyuziwa dawa - Masaa sita au wakati dawa iliyonyuziwa imekauka

#### TAHADHARI WAKATI WA MATUMIZI

- Usivute sigara usinywe, wala usile wakati unatumia dawa hii.
- Chunga isiingie machoni. Vaa miwani ya kuingia macho unapotumia dawa hii.
- Erukana na mvuke wa dawa hii, na kujiweka wazi kwenye dawa. Vaa glovu za mkono za raba, vaa kizuizi cha Pua na mdomo.
- Baada ya kutumia dawa hii oga mwili na uoshe nguo zako za kazi.
- Usiingie mahali palipo nyunyuziwa dawa kabla ya masaa kumi na mbili.

#### KUHIFADHI

Hifadhi ndani ya chombo chake halisi kilichofungwa vizuri mbali na watoto, chakula, vinywaji na chakula cha mifugo. Hifadhi dawa hii mahali baridi, pakavu na panapopitisha hewa safi, na palipofungwa na kufuli. Usiweke kwenye mwangaza mkali wa jua, joto na miale ya moto. Ikihifadhiwa katika hali hii muda wake wa kudumu ni miaka 2.

#### KUTUPA

Dawa ya ziada kama haikutumika itupwe kwenye jaa lililoidhinishwa la kutupa madawa ya sumu ya kuangamiza wadudu waharibifu, ama izikwe mahali salama mbali na vyanzo vya maji. Usitumie chombo kilichokwisha dawa kwa matumizi mengine yoyote. Ondoa dawa yote kwenye vyombo vilivyokwisha dawa na kisha visuzwe kwa maji mara tatu halafu vipondwe na kutobolewa. Tupa vyombo hivi kwenye jaa la kutupa takataka za sumu, lililoidhinishwa, izikwe pahali salama mbali na vyanzo vya maji.

#### IKIMWAGIKA AMA IKIVUJA:

Ikimwagika: Inyonye kwa kuimwagia mchanga, unga wa mbao, udongo au kifaa cha kuinasa. Kusanya kwa makini vitu vilivyvo ingia dawa na uvizike pahali salama ama tupa ndani ya pipa au mifuko ya plastiki, weka alama na utupe ndani ya shimo la kutupa madawa ya sumu lililoidhinishwa kisheria. Safisha kwa maji eneo lililomwagikiwa na dawa.

#### MAZINGIRA NA MBUGA ZA WANYAMA:

Ni sumu kwa samaki na viumbe wa majini wasio na uti wa mgongo Usichafue njia za maji kwa kutupa ndani uchafu wa dawa. Weka mifugo mbali na maeneo yaliyowekwa dawa.

#### MAAGIZO YA HUDUMA YA KWANZA:

Kama unashuku sumu, ita daktari mara moja.

**Ikiwa imeingia ndani ya macho:** Osha macho kwa maji mengi kwa angalau dakika 15. Wasiliana na daktari mara moja  
**Ikiwa imeguza ngozi:** Osha ngozi ilio ingia dawa kwa sabuni na maji mengi. Toa nguo zilizomwagikiwa na dawa. Nyonya dawa yeyote ilio baki kwenye ngozi ukitumia kitambaa. Osha ngozi iliiothiriwa kwa kutumia maji yenye moto kiasi na sabuni. Ikiwa mwasho wa ngozi utazidi, mwone daktari mara moja.

**Ikiwa mvuke wa dawa hii umevutwa ndani ya mapafu:** Muondoe mgonjwa kutoka kwenye eneo ya sumu na umweke mgonjwa mahali penye hewa safi. Mweke kwenye joto la kadiri na katika hali ya kupumzika. Pata ushauri wa daktari.

**Kama imemezwa :** Dalili za sumu zinajonyesha kwa hali ya juu, mfanye mgonjwa atapike. Ikiwa atazimia, msaidie mgonjwa kupumua kwa kutumia njia za kubuni na chungu anayemsaidia asiingwiwe na dawa. Mweke mgonjwa kwa hali ya utulivu na mfikishe kwa daktari haraka iwezekanavyo.

#### MAELEZO KWA DAKTARI.

Maelezo kwa daktari: Tibu kulingana na dalili.

Wakati wa dharura, piga 0800720021 ama 0800730030 (masaa 24)

#### ILANI KWA MTUMIAJI

Dawa hii sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya Sheria za Madawa ya Kuangamiza Wadudu Waharibifu (Pest Control Products Act) kutumia au kuhifadhi dawa hii katika hali isiyosalama.

#### THIBITISHO:

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