

## UTARATIBU WA UTEKELEZAJI

Chlorpyrifos ni dawa ya wadudu aina ya "organophosphate" isiyo ya kimfumo. kaimu kama Kizuizi cha kolinesterasi kwa mguso, tumbo, na hatua ya upumuaji. huathiri mfumo wa neva kwa bindande ya kizuizi cha 'enzyme' ya kolinesterasi, kwa kuzuia kuvunjika kwa 'neurotransmitter' ya asetilikolini katika mpasuko wa 'synaptic'. Hivo Kusababisha mkusanyiko wa asetilikolini katika mpasuko wa synaptic ambayo husababisha kuisimuliwa zaidi ya seli "neurone", ambayo inaongoza kwa "neurotoxicity" na hatimaye kifo.

### Wigo wa kudhibiti

TWIGAPYRIFOS 480 EC ni dawa ya 'organophosphorus' amabayo kutumika kwa ajili ya udhibiti wa Antestia Bugs katika kahawa, thrips, aphids na whiteflies kwa waridi, aphids, mchwa katika chai.

Mimea	Wadudu	Kipimo kwa mililita 20	Kipimo kwa hektari	Wakati wa kutumia	Mda kabla ya kurejea	Mda kabla ya kuvuna
Kahawa	Antestia bugs Antestiopsis spp.	Mililita 15 Kwa lita 20 ya maji	Lita 1-1.5 kwa Hektari	Dalili za wadudu waharibifu zikionekana. Rudia mara moja au mbili kila siku saba au kumi na nne.	Masaa 24	Siku 21
Maua	Thrips, Aphids and Whiteflies	Mililita 30-40 kwa lita 20 ya maji	Lita 1-2 kwa Hektari	Dalili za wadudu waharibifu zikionekana. Rudia mara moja au mbili kila siku saba	Masaa 24	
Chai	Aphids, Scaly insect termites	Mililita 40-60 kwa Lita 20 ya maji		Dalili za wadudu waharibifu zikionekana. Rudia mara moja au mbili kila siku kumi na nne kama inawezekana.		

### JINSI YA KUCHANGANYA

Ongeza kiasi cha TWIGAPYRIFOS 480 E.C. kilichopendekezwa kwa maji thuluthi mbili ya kipimo kinachohitajika katika mtungi na uikoroge vizuri kisha ujaze maji hadi kiasi kinachohitajika. Nyunyizia kabisa ukihakikisha sehemu zote za mimea zimefunikiwa na dawa. Tikiza bomba mara kwa mara wakati unanyunyizia.

### FAIDA

- Kiuaji kwa njia tatu (mvuke, mguso, tumbo)
- Ulinzi wa mazao kwa mda mrefu, kwa hivyo marudio machache.
- Wigo mpana hivo yaweza kutumika mara moja.

### 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 isiyo salama.

### THIBITISHO:

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.

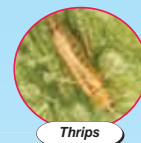
# TWIGAPYRIFOS<sup>®</sup> 480 EC

An insecticide for control of Antestia bugs in coffee, thrips, aphids and whiteflies on roses and of aphids and scaly insect termites in tea.

## Chlorpyrifos 480 g/l EC



Antestia Bug



Thrips



Whiteflies



Roses



**Dawa shupavu ya kulinda mimea dhidi ya wadudu waharibifu**



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CHEMINOVA



## DESCRIPTION

TWIGAPYRIFOS 480 E.C. is an organophosphate insecticide with contact, stomach and respiratory action for the control of Antestia bugs in coffee, thrips, aphids and white flies on Roses, aphids, scaly insect termites in tea.

**ACTIVE INGREDIENT:** Chlorpyrifos 480g/L

**FORMULATION:** Emulsifiable Concentrate (EC)

## MODE OF ACTION

Chlorpyrifos is a non-systemic organophosphate insecticide, acting as a cholinesterase inhibitor with contact, stomach, and respiratory action. It affects the nervous system by binding to the active site of the cholinesterase enzyme, preventing the breakdown of the neurotransmitter acetylcholine in the synaptic cleft. The resulting accumulation of acetylcholine in the synaptic cleft causes overstimulation of the neuronal cells, which leads to neurotoxicity and eventually death.

## SPECTRUM OF CONTROL

TWIGAPYRIFOS 480 E.C. is an organophosphorus insecticide used for the control of Antestia bugs in coffee, thrips, aphids and white flies on Roses, aphids, scaly insect termites in tea.

Apply TWIGAPYRIFOS 480 E.C. at first sign of insect pest infestation.

## Rates of Application and crops:

Crops	Insect pest	Rate	Rate /Ha	Timming	Re-entry Interval	PHI
Coffee	Antestia bugs Antestiopsis spp	15 ml/ 20 lts. of water.	1-1.5L /Ha	At first sign of insect pest infestation and re-application after 14 days	24 hrs	21 Days
Roses	Thrips, Aphids and Whiteflies	30-40 ml/20Lts of water 2-3ml per litre of water	1.5-2L /Ha	At first sign of insect pest infestation and re-application after 7 days	24 hrs	
Tea	Aphids, Scaly insect termites	40-60ml/20 Lt of water		At first sign of insect pest infestation and re-application after 14 days if necessary.		



**Preparation of Spray Mixture:** Add the recommended quantity of TWIGAPYRIFOS 480 E.C. to 2/3 of the required quantity of water in the tank and stir then fill up to the required mark. Apply as a full cover spray ensuring even and complete coverage of all plant surfaces.

## MAIN ADVANTAGES

- Triple killing action (vapor, contact, stomach)
- Longer protection of crops, long spray interval
- Broad spectrum.

**AVAILABLE PACKS:** 20L, 1L, 500ML, 200ML, 100ML, 50ML

## SAFETY PRECAUTION

Keep away from children, animals and animal feed.

- Product is poisonous if swallowed
- 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 and, mask covering nose and mouth. Wear protective clothing such as long sleeved shirts, long pants and rubber boots when handling the product.
- After application wash yourself and your work clothes.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on this label. It is an offense 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.

## MAELEZO

TWIGAPYRIFOS 480 E.C. ni dawa aina ya 'organophosphate' ambayo huangamiza wadudu kwa njia ya mguso na kuenea mwilini. Hua aina mbali mbali za wadudu kama vile 'Antestia bugs' kwa Kahawa, 'thrips', 'aphids' na 'white flies' kwa Maua na 'aphids' na 'scaly insect termites' kwa Chai.



*Antestia Bug*



*Thrips*



*Whiteflies*