

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

# DUDUTHRIN® 1.75EC

EMULSIFIABLE  
CONCENTRATE

A contact insecticide for control of Diamond Back Moth and Aphids in Cabbages and Kales, sucking and chewing insects in Beans and tomatoes, aphids, thrips and whiteflies in roses, aphids in Wheat and Barley, Maize stalk borer and armyworms in Maize

(Dawa ya Kuangamiza wadudu kama 'Diamond Backmoth na 'aphids' katika kabeji na sukumawiki, wadudu wanaotafuta na kunyonya katika mimea ya maharagwe na Nyanya, 'aphids', 'thrips' na 'whiteflies' katika maua ya waridi, 'Aphids'katika mimea ya ngano na shayiri, 'maize stalkborer', 'Armyworm' katika mimea ya mahindi.

REGISTRATION NO.: PCPB (R) 0481

GUARANTEE: Lambda-cyhalothrin 17.5 g/l.

COMMERCIAL AND AGRICULTURAL CLASS (SEHEMU YA BIASHARA NA KILIMO)

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



Cutworm



Bollworm



Aphids

In case of an emergency, call Toll free No.s  
(Piga simu isiyo na malipo wakati wa shida): 0800720021 and 0800730030 (24hrs /masaa 24)

SHELF LIFE: 2 years from date of manufacture if stored 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 iliowekwa pahali pakavu na penye baridi.

**Manufacturer of active ingredient:**

Syngenta Crop Protection AG,  
Basle, Switzerland



Formulated in Kenya by:  
Twiga Chemical Industries Ltd.

DATE OF MANUFACTURE  
(TAREHE YA  
KUTENGEZWA)

BATCH NO.: (NA NAMBAJI  
YA KIFURUSHI)

EXPIRY DATE  
(TUMIA KABLA YA):

MEMBER OF  
AAK®  
ASSOCIATION OF KENYA  
REGISTRATION NUMBER 102

**Distributed in Kenya by:**

TWIGA CHEMICAL INDUSTRIES LTD.  
P.O. BOX 30172, 00100 GPO,  
NAIROBI, KENYA. TEL: 3942000 , FAX:- 3942405

**1 litre/Lita 1**



HARMFUL

**DESCRIPTION**

DUDUTHRIN® is a contact insecticide for control of Diamond Back Moth and Aphids in Cabbages and Kales, sucking and chewing insects in Beans and tomatoes, aphids, thrips and whiteflies in roses, aphids in Wheat and Barley, Maize stalk borer and armyworms in Maize.  
It has a quick knock-down and repellency effect through contact, residual and stomach activity and therefore stopping pest damage to crops immediately.

**Method of Application can**

DUDUTHRIN® can be applied as foliar spray using most types of spraying equipment. Application should be made when pests first appear and continue every 7 days depending on rains/irrigation and infestation.

**Preparation of the Spray**

Half fill the tank with water. Then add the required amount of DUDUTHRIN® while stirring. Then add water to the mark. Use the spray on the same day of its preparation.

**Directions for use****Rate of Application**

CROP	PEST	RATE lt./ha	ML/20 lt.	TIMING	PHI
Tomatoes	Thrips, aphids, whiteflies, Bollworm	1L/ha in 200-400lt of water. Maintain concentration for higher volume of water	65	Spray when insects appear. Repeat as necessary.	3 Days
cabbage and kale	Aphids, Diamond BackMoth	1 lt in 200-400 lt of water. (Maintain concentration for higher volume of water)	65	Spray when insects appear. Repeat as necessary. When you spray DUDUTHRIN on cabbage etc, Agral 90(5mls in 20lt of water) may be required to aid in wetting	3 days
Beans	Thrips, aphids, whiteflies	1 lt in 200-400 lt of water. (Maintain concentration for higher volume of water)	65	Spray when insects appear. Repeat as necessary.	3 Days
	Cutworms	0.3L/ha in 120lt of water	50	Spray on soil at the plant base along planted rows only when soils are wet preferably in the evening	-
Roses	Bollworms, Stainers, Sucking pests	0.3 lt in 1000 lt of water	35	Spray at first sign of insect attack. Repeat as necessary. REI-12 hours	-
Cotton	Bollworms, Stainers, Sucking pests	1 lt in 200-400 lt of water	65	Spray soon after flowering begins. Repeat every 2 weeks	-
Maize	Maize Stalk borer	0.3L/ha in 200lt of water	25-30	Apply on maize at knee high stage (about 45cm in height). Use 25-30mls/20litre of water to cover 1000m <sup>2</sup>	3 Days
	Armyworm	0.5L/ha in 300lt of water	65	Spray at first sign of infestation. Repeat as necessary.	-
	Cutworm	0.3L/ha in 300lt of water	50	Spray on soil at the plant base along planted rows only when soils are wet preferably in the evening	-
Wheat and barley	Aphids	0.5L/ha in 300lt of water	35	Spray when infestation is expected /early to prevent BYDV. May be applied by air at 30lt of water/ha. Compatible with several fungicides.	3 days

**Re-entry Interval:** In sprayed areas: 12 hours

**COMPATIBILITY**

DUDUTHRIN® is compatible with most commonly used pesticides. However, DO NOT tank mix with any product unless your own prior testing has shown that the combination is physically compatible, effective and non-injurious under your condition.

**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 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.
- DUDUTHRIN® is flammable.

**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, heat and naked flames. Kept under these conditions, the shelflife of DUDUTHRIN is 2 years from the date of manufacture.

**DISPOSAL**

Surplus product, if unused should be disposed off on a land fill site approved for pesticides or bury in a safe place away from water sources. Do not use empty container for any other purpose. Drain and triple rinse containers and then destroy by perforation and flattening. Bury the destroyed containers in an approved dumping site.

**SPILLAGE AND LEAKAGE:** Remove the contaminated soil layer and bury in a safe place away from water sources.

**Spillage:-** Soak up with sand, sawdust, soil or binding agent. Collect the contaminated material thoroughly and bury in a safe place or put it in a waste bin or a plastic bag, mark it and dispose off on a landfill site approved for pesticide. Clean spilled area with plenty of water. Spilt product must not be re-used.

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

**FIRST AID INSTRUCTIONS**

**If poisoning is suspected,** contact a physician immediately.

**In case of eye contact:** Flush the eyes with plenty of water while the eyelids are open for at least 15 minutes. Contact a physician immediately.

**In case of skin contact:** Wash contaminated skin immediately with plenty of cold water followed by soap and water. Remove contaminated clothing. If skin irritation develops, contact a physician immediately.

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

**In case of ingestion:-** Immediately dilute the swallowed product by giving large quantities of water, but DO NOT INDUCE VOMITING. Perform gastric lavage, taking care to prevent aspiration of gastric contents. Never give anything by mouth to an unconscious person. Contact a physician immediately.

**TOXICOLOGICAL INFORMATION**

**Symptoms of poisoning:** No symptoms known.

**ANTIDOTE:** No specific anti-dote.

**NOTES TO THE DOCTOR:** Treat symptomatically.

**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.

## MAELEZO

DUDUTHRIN® ni dawa ya Kuangamiza wadudu kama 'Diamond Backmoth na 'aphids' katika kabeji na sukumawiki, wadudu wanaotafuta na kunyonya katika mamea ya maharagwe na Nyanya, 'aphids', 'thrips' na 'whiteflies' katika maua ya waridi, 'Aphids' katika mamea ya ngano na shayiri, 'maize stalkborer', 'Armyworm' katika mamea ya mahindini. Nguvu zake huwagamiza wadudu mara moja na hata kuzuia wadudu wasirudie kushambulia mamea.

### NJIA YA KUTUMIA

DUDUTHRIN® inaweza kunyonyuzwa kwenye matawi kwa njia ya "spray" kutumia vifaa vya kawaida vya kunyonyizia. Unyuyuziajai sharti ufanywe mara tu wadudu wanapoonekana na kurudua baada ya siku saba kulingana na vile mvua inavyonyesha na jinsi mmea umeshambuliwa na wadudu.

### Kutengeneza mchanganyiko wa dawa

Weka maji ndani ya bomba la kunyonyizia dawa hadi nusu. Ongeza kiwango cha DUDUTHRIN® kinachohitajika ukiwa unakoroga mchanganyiko. Kisha jaza maji kwenye bomba ukiendelea kukoroga.

### Viwango vya matumizi

MIMEA	WADUDU WAHARIBIFU	VIPIMO	ML KWA LITA 20 ZA MAJI	WAKATI WA KUTUMIA	PHI
Nyanya	<i>Thrips, aphids, whiteflies, Bollworm</i>	Lita 1 kwa lita 200-400 za maji (Usibadilishe uzito wa dawa hata kwa viwango vya juu vya maji)	65	Nyunyuzia wadudu wanapoonekana. Rudia inavyohitajika. unapaswa kutumia Agral 90 (ml 5 kwa lita 20 za maji) ili kufanya maji kushika. Vuna baada ya siku tatu.	Siku 3
Kabeji na sukuma wiki	<i>Aphids, Diamond BackMoth</i>	Lita 1 kwa lita 200-400 za maji (Usibadilishe uzito wa dawa hata kwa viwango vya juu vya maji)	65	Nyunyuzia wadudu wanapoonekana. Rudia inavyohitajika. unapaswa kutumia Agral 90 (ml 5 kwa lita 20 za maji) ili kufanya maji kushika. Vuna baada ya siku tatu.	Siku 3
Maharagwe	<i>Thrips, aphids, whiteflies</i>	Lita 1 kwa lita 200-400 za maji (Usibadilishe uzito wa dawa hata kwa viwango vya juu vya maji)	65	Nyunyuzia wadudu wanapoonekana. Rudia inavyohitajika.	Siku 3
	<i>Cutworms</i>	Lita 0.3 kwa lita 120 ya maji	50	Nyunyiza kwa mistari iliyopandwa peke yake wakati mchanga uko na unyevu hasa wakati wa jioni.	-
Maua ya waridi	<i>Aphids, Thrips, Whiteflies</i>	Lita 0.3 kwa lita 1000 ya maji	35	Nyunyuzia wadudu wanapoonekana. Rudia inavyohitajika. REI-masaa 12	-
Pamba	<i>Bollworms, Stainers, Sucking pests</i>	Lita 1 kwa lita 200-400 ya maji	65	Nyunyizia mara tu maua yanapotokea. Rudia kila baada ya majuma mawili.	-
Mahindi	<i>Maize Stalk borer</i>	Lita 0.3 kwa lita 120 ya maji	25-30	Nyunyiza kwenye mahindi urefu wake unapofika kwenye magoti (urefu karibu sentimita 40). Tumia milimitta 25-30 kwa lita 20 za maji, kutosha mita 1000 mraba (karibu misitari 26 yenye urefu wa mita 50). Tumia nozzle ya mviringo na pressure ya juu.	Siku 3
	<i>Armyworm</i>	Lita 0.5 kwa lita 300 ya maji	65	Nyunyiza dawa dalili za kwanza za uvamizi zinapoonekana.	-
	<i>Cutworm</i>	Lita 0.3 kwa lita 300 ya maji	50	Nyunyiza kwa mistari iliyopandwa peke yake wakati mchanga uko na unyevu hasa wakati wa jioni.	-
Ngano na Shayiri	<i>Aphids</i>	Lita 0.5 kwa lita 300 ya maji	35	Tumia wakati uvamizi unapotarajiwa ili kuzuia BYDV. Inaweza kupulizwa angani ndani ya lita 30 za maji kwa kila hektari.	Siku 3

### MUDA SALAMA WA KUINGIA PALIPO NYUNYIZIWA DAWA:

masaa kumi na mbili  
UPATANIFU  
DUDUTHRIN® huchanganyikana na madawa mengi ya kuzuia magonjwa na wadudu waharibifu. Hata ivyo, usichanganye ndani ya tangi na dawa nyiningine ila tu baada ya majoribio yako binafsi kabla ya matumizi ili kuonesha kwamba mchanganyiko huo unaweza kupatana, unaafaa na ni salama katika hali yako.

### TAHADHARI WAKATI WA MATUMIZI

- Usivute sigara usinywe, wala usile wakati unatumia dawa hii.
- Chunga isiingie machoni. Vaa miwani ya kukinga macho unapotumia dawa hii.
- Epukana na mvuke wa dawa hii, na kujiweka wazi kwenye dawa. Vaa glovu za mkono za raba, vaa kifuniko cha Pua na mdomo. Vaa nguo za kujikinga kama shati la mikono mirefu, suruali ndefu na gam buti za raba unapotumia dawa hii.
- Baada ya kutumia dawa hii oga mwili na uoshe nguo zako za kazi.
- DUDUTHRIN® inaweza kushika moto.

### 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 lilioidhinishwa la kutupa madawa ya sumu ya kuangamiza wadudu waharibifu, ama izikwe mahali salama mbali na vyanzo nya maji. Usitumie chombo kilichokwisha dawa kwa matumizi mengine yoyote. Ondo dawa yote kwenye vyombo viliviyokwisha dawa na kisha visuzwe kwa maji mara tatu halafu vilonidwe na kutobolewa. Tupa vyombo hivi kwenye jaa la kutupa takataka za sumu, lilioidhinishwa au izikwe pahali salama mbali na vyanzo nya maji.

### IKIMIWAGIKA AMA IKIVUJA:

Ondo mchanga wa juu ulioingia dawa na uuza pahali salama mbali na vyanzo nya maji na makao ya watu.

**Ikimwigaki:** Inyonye kwa kuimwigaki mchanga, unga wa mbaa, udongo au kifaa cha kuinasa. Kusanya kwa makini vitu vilivyo 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 lilioidhinishwa. Safisha kwa maji eneo liliomwigakiwa na dawa. Dawa iliymwigaki isitumiwe tema.

### MAZINGIRA NA MBUGA ZA WANYAMA:

Ni sumu kwa samaki na viumbi 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 na maji mengi kwa angalau dakika 15. Wasiliana na daktari mara moja

**Ikiwa ngozi:** Osha ngozi ilio ingia dawa kwa sabuni na maji. Toa nguo zilizomwigakiwa na dawa.

Ikiwa mwasho wa ngozi utatokea, onana na daktari mara moja.

**Ikiwa mvuke wa dawa hii umevitwa 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 :** Ipunguze nguvu ya dawa iliomezwa haraka kwa kumnywesha mgonjwa maji mengi usimfanye atapike. Kamwe usimlishe mtu aliyepteza fahamu kitu chochote kuptitia mdomoni. Muone daktari haraka.

### MAELEZO YA SUMU

**Dalili za sumu:** Hakuna dalili maalum.

Dawa ya kuvunja nguvu za sumu : Hakuna dawa maalum inayojulikana ya kuvunja nguvu za sumu hii.

**Maelezo kwa daktari:** Tibu kulingana na vile anavyojisikia. Piga simu isiyo na malipo wakati wa shida: 00800720021 na 00800730030 (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 isiyo salama.

**THIBITISHO:** Dhama ya muuazaji 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.