

COMMERCIAL AND AGRICULTURAL CLASS.
CAREFULLY READ THE ATTACHED LEAFLET
BEFORE USING THE PRODUCT.

KEEP OUT OF REACH OF CHILDREN.
FUNGIA MBALI NA WATOTO.

KUNDI LA BIASHARA NA UKULIMA.
SOMA MAELEZO YOTE KWENYE FURUSI NA
UKURASA ULIOBANDIKWA.

Shelf-life: 2 years from date of manufacturing,
in original unopened containers stored in a
cool dry well ventilated place.

Maisha rafuni: Miaka miwili kuanzia tarehe
ya kutengenezwa, ikiwa imehifadhiwa katika
viwekeo vyake asilia vilivyofunikwa vizuri.

Date of manufacture / Tarehe ya kutengeneza:
Expiry date / Tumia kabla ya:
Batch no. / Nambari ya kifurushi:

In case of an emergency Call Toll Free No.:
Kukiwa na jambo la dharura piga simu
isiotozwa Nambari:
0800 720 021/ 0800 730 030
(24 hr, masaa 24).

L1017356 KENY/01U PPE 4062361

 **Engeo® 247SC**

 **syngenta.**



Suspension Concentrate
Insecticide for the control of
aphids, caterpillars and white-
flies on tomatoes; mealy bugs,
aphids, caterpillars and whiteflies
on roses; aphids on cabbage.

Huchanganyika na maji.
Kiuwa wadudu inayowaangamiza wadudu wana-
okula majani na kuvyonya utomvu kama aphids,
whiteflies na caterpillars kwenye nyanya; mealy
bugs, aphids, caterpillars na whiteflies kwa roses;
aphids kwa kabeji.

Registration No. / Nambari Ya Kusajiliwa.
PCPB (CR) 1295

Guarantee / Dhamana:
Thiamethoxam 141 g/litre / Lambda-cyhalothrin 106 g/litre.

Net Content: / Ujazo:
1 Litre / Lita 1

Product names marked ® or TM, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
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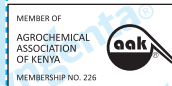


 **HARMFUL**



Manufactured by: / Watengenezaji:
Syngenta Crop Protection AG
Basle, Switzerland

Distributor: / Wauzaji:
Syngenta East Africa Ltd.
P.O. Box 30393
00100 Nairobi, Kenya
Tel.: 254-0703018000/9000
Fax: 254-020-3007885



® Registered Trademark
of a Syngenta Group Company

® Alama ya Biashara ya kampuni
ya Syngenta

750ml

500ml

250ml

approx. measure

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Insecticide for the control of aphids, caterpillars and whiteflies on tomatoes; mealy bugs, aphids, caterpillars and whiteflies on roses.

Active Ingredients:

141 g/litre thiamethoxam, 106 g/litre Lambda-cyhalothrin.

Mode of Action

Engeo contains two components:

- Thiamethoxam: It displays root-, leaf- and stem-systemic activity. In target insects it shows quick stomach and contact action. It is considered to act by interfering with the nicotinic acetyl choline receptor of the nervous system.
- Lambda-cyhalothrin: Is a non-systemic insecticide with strong contact action, rapid knock-down effect and excellent residual activity. It shows a repellent effect on ovipositing moths and sucking pest virus vectors.

Spectrum of Activity

Engeo is a broad-spectrum insecticide. Especially active on lepidoptera larvae and other chewing and sucking pests.

Directions for use

Crop	Pest	Rate ml/ha
Tomatoes	Aphids, whiteflies, Caterpillars	150
Roses	Aphids, whiteflies, Caterpillars,	150
	Mealy bugs	300
Cabbage	Aphids	150

In a 20 Litre Knapsack use 8 ml using 500 litres / ha water volume.

Pre-Harvest Interval: Tomatoes: 5 days.

Re-Entry Interval: Observe a re-entry interval of 12 hours.

Timing of application

Observe a spray interval of 7-10 days. Apply two to three times per season according the population dynamic. Use the shorter spray interval in cases of heavy pest infestation.

Crop Tolerance

When used as recommended Engeo is well tolerated by all crop varieties that are registered.

IPM-Fitness

Monitor beneficial and pests and use local thresholds. If several treatments are required against the same pest, alternate products with different modes of action.

Storage conditions

Store away from sun and damp, in a well-ventilated area away from food and feed, under lock and key. DO NOT contaminate water, food or feed. AVOID storage below -10°C and above +35°C. DO NOT stack containers in piles more than 2 m high, in order to avoid product compaction or damage.

Application Information

**Application technique / parameters
Equipment and Spray Volume**

Knapsack, motorised knapsack

Thorough coverage of dense foliage without showing run-off. Use hollow cone nozzles-types. Either as direct spray or as a full canopy spray. Use at least 300-500 l of water per ha.

Mist blower

Use at least 60-80 l of water per ha.

Make sure the equipment is properly calibrated to give even distribution at the correct volume. Wash all equipment thoroughly after use.

Mixing

- Add the measured quantity of concentrate to clean water in the half filled spray tank. Maintain agitation while topping up.
- Always stir the spray mixture well and apply within a few hours.
- Prepare no more spray mixture than is needed for the immediate operation.

Note:

- Wet the whole plant thoroughly but avoid run-off and spray drift to non-target sites. Treat only when there is little or no wind.
- Do not spray during the hot hours of the day, if the foliage is wet or if rain is imminent.
- Do not overdose by overlapping applications or by exceeding the recommended rate.

Safety Aspects

Precautionary measures

KEEP LOCKED UP OUT OF REACH OF CHILDREN and other, unauthorised persons, and animals.

Operator safety

AVOID any contact of skin, eyes or clothing with concentrate or spray mixture. DO NOT inhale vapour or spray mist. DO NOT eat, drink or smoke while handling the product, wash hands and face before doing so. If any indisposition occurs, stop work, follow First Aid measures, and call a physician.

WEAR protective clothing, i.e. for mixing/loading: impermeable gloves, face mask, boots and overalls, for application: impermeable gloves, face mask, boots and overalls,. IF CONTAMINATION OCCURS with concentrate or spray mixture, immediately wash skin thoroughly, flush eyes several times with abundant fresh water, remove contaminated clothing. AFTER USE, thoroughly clean protective equipment and wash entire body and change clothing. Wash contaminated clothing before re use.

Environment and wildlife

It is toxic to bees. Do not apply when bees are actively foraging. Highly toxic to fish. Strictly avoid contamination of water bodies by drift or by run-off. The newly treated area must not be grazed; no food or feed should be collected from it for a period corresponding to the pre-harvest interval.

Spillage and leakage

Remove heavily contaminated soil layer and dispose of in a safe place away from water supplies. Collect up spilt material thoroughly and dispose of it in a safe place or put it in a waste bin or in a plastic bag and dispose of on a landfill site approved for pesticides. Rinse spill area with plenty of water.

Note: Spilt product must not be re used.

Product and container disposal

Dispose of surplus product on a landfill site approved for pesticides or dispose of in a safe place away from water supplies. Dilute surplus application mixture, pour it broadcast on fallow land. Empty the container well, rinse several times and add the rinse solution to the spray tank. Dispose of containers made of cardboard, paper or plastic on a landfill site or dispose of in a safe place. If burned, stay out of smoke. Be sure that the smoke or fumes will not damage nearby plants, crops or trees, or harm animals. DO NOT re use empty containers for any other purpose.

FIRST AID INSTRUCTIONS

If any indisposition occurs stop work immediately and call a physician.
Skin contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.
Eye contact: Rinse eyes with clean water for several minutes, also under the eyelids.
If poisoning is suspected, stop work immediately and call a physician. Show label to the physician. In case of contact with skin, remove contaminated clothing, wash affected body parts immediately with plenty of water and soap. Rinse splashes from eyes with abundant fresh and clean water for several minutes. If inhaled move to clean air. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.
Note: Never give anything to an unconscious patient and never induce vomiting.

TOXICOLOGICAL INFORMATION

Symptoms of poisoning

Unknown. However, skin exposure may result in a transient sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2-30 hours without apparent skin damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

Antidote: No specific antidote is known; apply symptomatic therapy.

Note to the Doctor: Apply symptomatic therapy.

In case of an emergency call Toll Free No.:

0800 720 021 / 0800 720 030 (24 hr).

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

Sellers 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 in that condition.

MAELEZO: Engeo® 247 SC ni kiuwa wadudu inayowaangamiza wadudu wanaokula majani na kuvyonza utomvu kama aphids, whiteflies, caterpillars na mealybugs kwa nyanya na Roses.

Inavyofanaya kazi

Thiamethoxam. Wadudu huuwa mara tu wakila majani yaliyonyunyiziwa dawa au wakiguswa na dawa mwilini. Hufanya kazi kwa njia ya mguso na kupitia tumboni. Inafaa sana kwa kuua wadudu wanaofyonza utomvu kutoka kwa mimea na hata wale wanaokula majani. Lambda-cyhalothrin ina nguvu kwa njia ya mguso, na hata kulinda kwa kusalia mahali dawa ilipopigwa. Ina nguvu ya kuzuia kula kwa wadudu na kuchukiza.

Mweneo wa matumizi

Engeo inawaangamiza wadudu wa aina nyingi kutoka kwa jamii ya wadudu wanaokula majani na wanaofyonza utomvu kwa mimea.

Matumizi

Mimea	Wadudu	kipimo ml/ha
Tomatoes	Aphids, whiteflies, Caterpillars	150
Roses	Aphids, whiteflies, Caterpillars	150
	Mealy bugs	300
Cabbage	Aphids	150

Kiwa unatumia bomba la kubeba mgongoni (knapsack) tumia: mililita 8 kwa lita 20 za maji (ukitumia lita 500 za maji).

Wakati wakungojea kabla ya kuvuna: Nyanya; Siku tano.

Wakati wakuingia mahali pamenyunyizwa dawa

Usiingie mahali pamenyunyizwa dawa kama hapajakauka. Kama si hivyo hakikisha umevaa nguo za kujikinga dawa.

Pendekezo la matumizi

Anza mara tu wadudu wanapoonekana. Ikiwa maambukizo ya wadudu ni makali itakubidi kurudia kunyunyiza kila siku 7-10. Nyunyiza dawa wakati usio na jua kali. Saa za asubuhi au jioni huwa nzuri. Nyunyiza mara 2-3 kwa msimu mmoja.

Jinsi ya kutumia

Kiasi cha maji: Kiasi cha maji kinategemea aina na ukumbwa wa mimea. Bomba la mgonga kiasi cha lita 300-500 kwa hekta. Mist blower kiasi cha lita 60-80 kwa lita.

Kuchanganya na maji kwenye bomba

Hakikisha bomba unalotumia ni safi na halina masalia ya kiuatilifu kingine. Engeo ni lazima kuchanganywa na maji kabla ya kuchanganya na dawa zingine. Kwanza weka kiasi cha maji safi kinachohitajika kwenye bomba la kunyunyiza. Halafu ongeza kiasi cha Engeo kinachopendekezwa. Koroga mchanganyiko vizuri. Maliza kujazia kiasi cha maji kilichobaki. Tikisa vizuri kabla na wakati wa kunyunyiza na uchanganye dawa na maji sawa sawa. Kila mara changanya dawa na maji mara tu unapotaka kunyunyiza. Changanya tu kiasi cha dawa kitakachoweza kutumiwa na kumalizika siku hiyo.

Kusafisha bomba

Safisha bomba kwa maji safi baada ya kutumia. Weka kiasi cha maji 1:10. Maji uliyotumia kusafisha yanyunyize kwenye mazao baada ya kuchanganya na maji mengi.

Kuhifadhi: Hifadhi mahali pakavu mbali na vyakula, watoto na mifugo. Chumba chenye dawa kiwe kikavu na chenye hewa ya kutosha na daima kiwe kimefungwa. Joto lisizidi 35°C.

Tahadhari

HIFADHI WA MBALI NA WATOTO, mifugo na watu wasiohusika nayo.

Usalama kwa mtumiaji

Epuka dawa kugusana na mwili, macho au nguo. Usivute hewa yenye utusitusi wa dawa. Vaa nguo za kazi, yaani ovaroli, glavu, buti, kofia, ngao la sura, hasa wakati wa kukoroga na kunyunyiza dawa. Usile, kunywa, au kuvuta sigara wakati wa kufanya kazi na dawa. Ukimwagikiwa na dawa mwilini au nguoni, osha mara moja kwa maji safi na sabuni. Baada ya kazi oga mwili wote kwa sabuni. Safisha nguo za kazi kabla ya kuzitumia tena. Ukiingiwa na sumu acha kufanya kazi mara moja na ufuata maelezo ya huduma ya kwanza kama ilivyoelezwa hapa chini. Kama kiwango cha sumu ni kikubwa, muite daktari na umuonyeshe maelezo haya.

Hifadhi ya mazingira: Ni sumu kali kwa viumbe wa majini, yaweza kuwa na athari za muda mrefu kwenye mazingira ya majini. Usimwage dawa ovyo ovyo mtoni au kwenye kisima. Mifugo isichungwe sehemu zilizonyunyizwa dawa karibuni.

Dawa imalizikapo

Dawa ikisalia imwage kwenye shimo iliyotengwa maalum kwa kazi hiyo mbali na vyanzo vya maji. Suuza viwekeo vya dawa vilivyo tupu mara tatu na maji hayo ya nyunyizwe kwenye majani. Viwekeo vyote vichomwe au kufukiwa kwenye mashimo mbali na vyanzo vya maji. Kaa mbali na moshi utokanao na kuchomwa kwa viwekeo vya dawa. Viwekeo vikiisha dawa visitumike kwa shughuli yoyote, hasa kuweka vyakula ama maji yakunywa.

Kumwagika na kuvuja viwekeo vya dawa

Udongo uliomwagikiwa na dawa uchofwe vizuri na ukaufukie mahali sala-ma mbali na vyanzo au njia za maji. Kusanya dawa iliyomwagika kisha ifukie au weka kwenye mfuko wa plastiki na ukazike sehemu iliyo mbali na vyanzo vya maji. Sehemu iliyomwagikiwa dawa isafishwe kwa maji mengi. **Zingatia:** Dawa iliyomwagika isitumike tena.

HUDUMA YA KWANZA

Ukijisihisi sumu imekuingia, acha kazi mara moja na fuata huduma ya kwanza kama ifuatavyo. Endapo dawa imekumwagikia, vaa nguo zilizochafuka, nawa haraka kwa maji mengi na sabuni sehemu zote za mwili zilizopata dawa. Kama dawa imeingia kwenye macho yasafishe kwa maji mengi safi kwa angalau dakika 15. Kama umevuta utusitusi wa dawa, nenda kwenye sehemu yenye hewa nyingi. Endapo dawa imemezwa, mgonjwa apewe mkaa wa hospitali uliochanganywa na maji mengi. Daktari aitwe mara moja kama kiasi kikubwa cha dawa kimemezwa. **PELEKA MJERUHI KWA DAKTARI.**

Zingatia: Mgonjwa aliyepoteza fahamu asilishwe au kunyeshwa kitu chote kwa njia ya mdomo, na wala asitapishwe.

Makataa:

Hakuna kinga maalum. Matibabu ni vile atakavyoona daktari.

Kukiwa na jambo la dharura piga simu isiotozwa Nambari:

0800 720 021 na 0800 730 030 (masaa 24)

ILANI KWA MTUMIAJI

Dawa hii ni sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu kutumia au kuhifadhi dawa hii katika hali isiyo salama.

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 iliyo.

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