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CROP (MAZAO)	INSECT (WADUDU)	COMMENTS (MAELEZO)	RATE OF USE (KIWANGO)	**PHI**	MRL mg/kg
Tomatoes, French beans, Snowpeas, Sugar snaps. Cabbages	**Caterpillars *(Wadudu):*** *Helicoverpa armigera* **Diamond Back Moth:** *Plutella xylostella*	Tomatoes – apply on first sign of insect. *(tumia dawa mara tu wadudu wanapo onekana)* Cabbages – apply on first sign of insect. *(tumia dawa mara tu wadudu wanapo onekana)* Green beans with pods /peas – apply on first sign of insect attack during flowering before pod formation. *(tumia dawa pale tu wadudu wanapo onekana)*	125 - 150 mls/ ha or 5 - 7 mls / 20 litres knapsack	Tomatoes - 1 day Cabbages – 3 days Green beans with pods/ peas – 3 days.	- Tomatoes: 0.05 - Cabbages: 0.5 - Green beans with pods: 0.1

DuPont™ CORAGEN™ insecticide should be used only in accordance with recommendations on this label

Mixing instructions:
Prior to application, start with clean, well-maintained application equipment. CORAGEN® mixes easily with water and should be added directly to the spray tank during filling. Fill spray tank 1/4 to 1/2 full of water. Add CORAGEN® directly to spray tank. Mix thoroughly too fully disperse the insecticide, once dispersed continued agitation is required. Wash-out container and add washings to the spray tank. Continue agitation until spraying is complete. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank. Observe the most restrictive of the labeling limitations and precautions of all products use in mixtures.

Spray tank clean-out:
Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove. Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom, and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

Restrictions:
Maximum number of treatments: 2 per crop.
Do not apply to crops under stress.

Rainfastness:
CORAGEN® is rainfast after the spray has dried on the foliage for 1 - 2 hours.

Resistance statement:
CORAGEN® belongs to the anthranilic diamide class of chemistry and is a Group 28 Insecticide based on the IRAC mode of action classification. Repeated and exclusive use of CORAGEN® or other Group 28 Insecticides may lead to the build-up of resistant strains of insects in some crops.

The number of applications of CORAGEN® is limited to 2 per season to minimize the risk of resistance.
Because the development of resistance cannot be predicted, this product should be used as part of a resistant management strategy established for the use area. These strategies may include:

- incorporation of cultural and biological control practices.
- targeting the most susceptible life stage.
- applying CORAGEN® or other Group 28 insecticides using a "window" approach to avoid exposure of consecutive insect pest generations to the same mode of action.
- applying multiple successive applications of CORAGEN® only if they are used to treat a single insect generation.
- following a "window" of applications of CORAGEN® or other Group 28 insecticide, rotate to a "window" of applications of effective insecticides with a different mode of action.
- the total exposure period of all "Group 28-active windows" applied throughout the crop cycle (from seedling to harvest) should not exceed 50% of the crop cycle.
- incorporating IPM techniques into the overall pest management program.
- monitoring insect populations for loss of field efficacy.

Integrated pest management:
DuPont supports the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an IPM program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage.

Beneficial arthropods:
CORAGEN® helps conserve a large number of beneficial arthropods (parasitoids and predators). While these beneficial arthropods cannot be relied upon to control pests, they are of potential value and can be monitored along with pests in pest management programs on these crops.
According to the standards of Good Agricultural Practices, CORAGEN® should not be applied when honeybees are actively foraging.

Instruction for protection of user:

- Avoid contact with the product. Misuse may cause injuries to health.
- When handling the undiluted product and the spray liquid, wear lightweight protective clothing / long- sleeved clothing (suitable for plant protection), rigid boots (e.g. rubber boots) and all-purpose protective gloves (plant protection).
- Wash gloves before taking them off. Follow manufacturer's instructions for personal protection equipment.
- Treated areas/crops may generally be entered after the spray liquid has dried up.

Storage:
Do not subject to temperatures below 0°C. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

Container & waste disposal instructions:
Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
Triple rinse (or equivalent) the container and dispose of through the appropriate channels e.g. licensed waste disposal contractor as per local requirements.

ENVIRONMENTAL HAZARDS
WHO classification: "Unlikely to present any acute hazards in normal use"
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Use appropriate containment to avoid environmental contamination. This material and its container must be disposed of in a safe way.

To avoid risks to man and environment, comply with the instructions for use.

FIRST AID INSTRUCTIONS
First aid

- General instructions: Never give anything by mouth to an unconscious person.
- Inhalation: No hazards that require special first aid measures. Consult a physician after significant exposure.
- Skin contact: No hazards that require special first aid measures. If on skin, rinse well with water. Wash contaminated clothing before re-use.
- Eye contact: No hazards that require special first aid measures. Rinse with plenty of water. Keep eye wide open while rinsing. Consult a physician if necessary.
- Ingestion: No hazards that require special first aid measures. Consult a physician if necessary

TOXICOLOGICAL INFORMATION:
Antidote: No antidotes or medical treatments are indicated. Treat symptomatically if necessary.
Symptoms of poisoning: no specific known human symptoms of toxicity.
Note to the physician: show the label.
In case of emergency call toll free numbers 0800 730030/0800 720021 (24hrs). PELEKA MJERUHI KWA DAKTARI.

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.

SELLERS GUARANTEE:
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

KEEP LOCKED OUT OF REACH OF CHLIDREN (WEKA MBALI NA WATOTO)
COMMERCIAL AND AGRICULTURAL CLASS (KUNDI LA BIASHARA NA KILIMO): Insecticide (KIUA DUDU)
GUARANTEE (DHAMANA): Chlorantraniliprole 200 g/L

In case of emergency call toll free numbers / Wakati wa dharura piga simu bila malipo 0800 730030/0800 720021 (24hrs/masaa 24)

Shelf Life (in original unopened containers): 2 years from manufacturing
Maisha rafuni (kwenye chombo ambacho hakijafunguliwa): Miaka 2 baada ya tarehe ya kutengenezwa.

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K-35629/31504 - KENYA

aak®
Protect to Provide
AAK/363

Batch N°: (Nambari ya furushi)
Date of Manufacture: (Tarehe ya kutengenezwa)
Expiry date (Tumia kabla ya)

Coragen® 20 SC

INSECTICIDE / KIUA WADUDU

DU PONT®

GROUP 28 INSECTICIDE

powered by RYNAXYPYR®

REGISTRATION N°: PCPB (CR) 1138
(NAMBARI YA USAJILI)

NET CONTENTS (Kiasi): 1 L

® Registered trademark of (Alama ya biashara ya kampuni ya) Du Pont de Nemours & Co. (Inc.).

CAUTION

N

Dangerous for the environment

Chemical name: Chlorantraniliprole
3-Bromo-*N*-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-1-(3-chloropyridin-2-yl)-1*H*-pyrazole-5-carboxamide

Use: CORAGEN® 20SC is an insecticide used for the control of Caterpillars (Helicoverpa armigera) on French beans, sugar snap and tomatoes. Also Diamond Back Moth on cabbages.

Inatumika kwa: CORAGEN® 20SC ni dawa ya kuangamiza viwavi aina ya Helicoverpa armigera kwenye maharagwe na nyanya. Pia hutumika kuangamiza 'diamond back moth' kwenye kabeji.

Registrant / Wasajiliwa: DuPont International Operations Sàrl (DIOSàrl)
2, Chemin du Pavillon - CH-1218 Le Grand-Saconnex, Geneva, Switzerland

Manufacturer / Watengenezaji: Du Pont de Nemours (FRANCE) S.A.S
82 rue de Wittelsheim - 68701 Cernay – France

Agent/Ajenti: Du Pont de Nemours Kenya Limited
P.O. Box 29171 - 00100, Nairobi, Kenya. - Tel.: +254-20367500

Distributor / Msambazaji: Elgon Kenya Limited
Eastgate Rd. Off. Mombasa Rd. P.O.Box 46826-00100
Nairobi (Kenya)
Tel: +254-20-6534410 - Fax: +254-20-6534807
www.elgonkenya.com

General information:
CORAGEN® contains chlorantraniliprole, which is a novel anthranilic diamide insecticide with a novel mode of action. CORAGEN® binds to the insect ryanodine receptors, activating the release and the depletion of the calcium stores of smooth and striated muscle, causing impaired muscle regulation, paralysis and ultimately insect death.

Directions for use
CORAGEN® 20 SC is an insecticide used for the control of larvae of various Lepidopteran and Coleopteran species. All larval stages are controlled and adult stages of some species are partially controlled. Activity is by ingestion and contact. The product also shows ovi-larvicidal efficacy against some important species. Paralysis of the pest occurs within a few hours of exposure and results in cessation of movement and feeding. Final control can take 2-4 days.
Monitor insect populations to determine whether or not there is a need for application of CORAGEN® based on locally determined economic thresholds. Follow-up treatment at 10 to 14 day intervals can be applied, if needed, to keep pest populations within threshold limits. Use sufficient water to obtain thorough, uniform coverage.

Maelezo ya Kawaida:
CORAGEN® ina chlorantraniliprole, ambayo ni dawa ya kuua wadudu aina ya anthranilic diamide. CORAGEN® hujigandisha kwenye "ryanodine receptors" za mdudu na hivyo kuwezesha kutolewa na kuisha madini ya kalsiam toka kwenye misuli jambo ambalo huleta hadhari kwenye misuli, kupooza na hatimaye mdudu kufa.

Maelezo ya matumizi:
CORAGEN® 20 SC ni dawa inayothibiti viwavi vya wadudu kadhaa kwa ngazi zote za kukuwa k.m. Lepidopteran na Coleopteran. Huweza pia kuthibiti kwa kiwango fulani aina kadhaa za wadudu husika. Hufanya kazi ikimezwa na kuguswa. Dawa hii pia ina madhara kwa mayai na viwavi vya aina muhimu za wadudu. Mdudu hupooza masaa kadhaa baada ya kunyunyizia dawa na mdudu kutembea na kula. Uthibiti wa wadudu ni siku 2-4.

Tathmini wingi wa wadudu ili uamue kama kuna haja ya kutumia CORAGEN® ukizingatia hali ya uchumi. Ikibidi unaweza kunyunyizia tena dawa baada ya siku 10 - 14 ili kuhakikisha kuwa wadudu hawaongezeki kwa kiwango cha kuleta madhara. Changanya dawa na maji ya kutosha ili mimea iloweshwe vyema na mnyunyizio.

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CYAN MAGENTA JAUNE NOIR P. 186

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CROP *(MAZAO)*	INSECT (*WADUDU)*	COMMENTS *(MAELEZO)*	RATE OF USE *(KIWANGO)*	**PHI**	MRL mg/kg
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DuPont™ CORAGEN™ itumiwe tu kama inavyopendekezwa kwenye maelezo yaliyoainishwa kwenye hii lebo.

Kuchanganya dawa:
Kabla ya kunyunyizia, hakikisha. kuwa vitendea kazi ni visafi na imara. CORAGEN® huchanganyikana vyema na maji na hivyo dawa iongezwe kwenye tanki la kunyunyizia wakati wa kuweka maji. Jaza tanki ¼ hadi ½ kwa maji. Ongeza CORAGEN® moja kwa moja kwenye tanki. Changanya vizuri ili dawa isambae vyema. Endelea kutikisatikisa tanki. Safisha chombo ulichochanganyia dawa na weka maji haya kenye tanki la kunyunyizia huku ukiendelea na kulitikisatikisa mpaka umalize kunyunyizia. Tumia njia za "mechanical" au "hydraulic" na usitumie hewa kwa kutikisatikisa tanki. Dawa ikishachanganywa isikae kwenye tanki kwa muda mrefu. Unapochanganya dawa, zingatia kwa makini mapungufu na tahadhari kama ilivyoainishwa kwenye lebo.

Kuhimili mvua:
CORAGEN® haiwezi kuondolewi kwenye majani saa 1-2 baada ya kunyunyiziwa kwani itakuwa imekwisha kaukia.

Tamko la Ustahamili:
CORAGEN® kikemikali, ni dawa ya anthranilic diamide ambalo ni Kundi la madawa 28 kwa misingi ya IRAC ya uainishi wa jinsi madawa yanavyofanya kazi. Kama CORAGEN® au dawa nyingine kwenye hili kundi la madawa 28 itatumiwa yenyewe mara kwa mara, ustahimili wa dawa kwa aina fulani za wadudu wa mimea waweza kujengeka.
Matumizi ya CORAGEN® ni mara 2 tu kwa msimu ili kuzuia hadhari za ustahimili wa wadudu kwa dawa.
Kwa kuwa ukuwaji wa ustahimili hauwezi kutabirika, dawa hii itumike kama sehemu ya mkakati wa kuthibiti ustahimili uliobuniwa kwa eneo husika. Mikakati hii iwe ni pamoja na:
- Ushirikiano wa njia asili na njia za kibayologia.
- Kutumia dawa kuthibiti ngazi stahiki ya ukuaji wa wadudu.
- Kutumia CORAGEN® au dawa nyingine ya Kundi la madawa 28 kwa kuhakikisha kwamba dawa zinazofanya kazi kwa namna moja hazitumiwi kwa muda mrefu.
- Kutumia CORAGEN® mara kwa mara tu endapo itatumika tu kwa kuthibiti kizazi kimoja cha wadudu.
- Ikiwa CORAGEN® na dawa zingine zilizoko kwenye Kundi la madawa28 zitatumiwa, basi dawa zenye mfumo tofauti wa kufanya kazi zifuate kutumiwa.
- Muda wa uingiaji kwa mimea (exposure period) ambao dawa za hili Kundi la madawa 28 usizidi 50% ya maisha ya mimea (kuanzia miche michanga mpaka kuvuna). kwa mimea.
- Ushirikishwaji wa njia zote mbadala za kuthibiti wadudu waharibifu (IPM) katika mikakati ya kuthibiti wadudu.
- Kufuatilia/kutathmini wingi wa wadudu kwa ulinganishi na tija.

Masharti:
Dawa itumiwe mara ngapi kwa mazao: 2
Usitumie kwenye mimea iliyo na usongo

Uthibiti wa wadudu kwa njia mchanganyiko (IPM):
DuPont wanaunga mkono matumizi ya njia mchanganyiko kwa kuthibiti wadudu (IPM). Dawa hii inaweza kutumika kama sehemu program hii ya IPM ambayo ni ya kibayologia, kijadi na matumizi ya dawa ili kuzuia uharibifu unaoweza kusababishwa na wadudu.

Wadudu wenye manufaa:
CORAGEN® husaidia kuhifadhi wadudu wa namna nyingi (vimelea na predators) ambao wana manufaa. Ingawa wadudu hao hawawezi kutegemewa kuthibiti wadudu waharibifu, hata hivyo wana manufaa na waangaliwe kwa pamoja na wadudu waharibifu katika programu ya usimsmizi wa wadudu kwenye hii mimea.
Kwa mujibu wa taratibu sahihi za kilimo, CORAGEN® isitumiwe wakati nyuki wakitafuta chakula kwenye mimea.

Maagizo kwa ajili ya kulinda mtumiaji:
- Chunga usiguse dawa. Matumizi mabaya huleta madhara kwa afya.

- Wakati unatumia dawa mabayo haijachanganywa na maji na ile iliyochanganywa na maji, vaa nguo stahiki za kujikinga, mabuti na glovu.
- Osha maglovu kabla hujayatoa. Fuata maelekezo ya mtengezaji dawa kuhusu mavazi ya kujikinga yanayofaa.
- Ingia kwenye maeneo/mashamba yaliyonyunyiziwa baada ya mnyunyizio wa dawa kukauka.

Kuhifadhi:
Isikae mahali ambapo joto ni chini ya 0 °C. Hifadhi kwenye kiwekeo cha awali mbali na watoto na wanyama. Usichafue maji, madawa mengine, mbolea,vyakula au lishe zilizo ghalani.

Kusafisha tanki la kunyunyizia:
Mara baada ya matumizi, vifaa vyote vya kunyunyizia dawa visafishwe vizuri kuondoa uwezekano wa kuweka matabaka magumu ya dawa. Titirisha vifaa hivyo kwa maji. Suuza kinyunyizio na vuta maji masafi katika "hoses", "boom" na "nozzles". Safisha vifaa vingine vyote husika. Wakati wa kufanya usafi wa hivi vitendea kazi, fuata masharti na tahadhari za usalama. Usifanyie usafi karibu na visima vya maji, vyanzo vya maji au mimea. Toa maji ya kuoshea vifaa ukizingatia kanuni za mamlaka husika.

Maagizo ya kutoa viwekeo na masalia ya dawa:
Usichafue maji, vyakula au lishe za wanyama wakati wa kuhifadhi au kutupa masalia ya dawa. Masalia yote yatupwe mahali palipoidhinishwa na mamlaka husika.
Safisha vya kutosha (mara tatu au zaidi) kiwekeo na utupe mahali stahiki penye idhini ya mamlaka husika.

MADHARA KWA MAZINGARA
Kikundi cha WHO: "Dawa hii haina madhara ikitumika kulingana na maagizo"
Ina madhara kwenye viumbe vya maji, na inaweza kusabibisha madhara yenye kudumu kwa mazingara ya majini.
Weka mbali na watoto, vyakula and malisho ya wanyama.
Zuia dawa hii kuzambaa kwenye mazingara, tumia njia sahihi na salama kwa utupaji.

Taratibu za huduma ya kwanza:
- Maagizo ya kawaida: Usimlishe kitu chochote mtu asiyekuwa na fahamu.
- Ikivutwa na pumzi: Hakuna madhara yatakayohitaji huduma ya kwanza. Mwone mtaalam wa tiba kama umevuta kwa muda mrefu:
- Ikigusa ngozi: Hakuna madhara yatakayohitaji huduma ya kwanza. Osha ngozi vizuri na maji. Nguo zenye dawa zioshwe kabla hazijatumiwa tena.
- Ikigusa jicho: Hakuna madhara yatakayohitaji huduma ya kwanza. Osha jicho kwa maji mengi likiwa limefunguliwa. Ikibidi mwone mtaalam wa tiba.
- Ikimezwa: Hakuna madhara yatakayohitaji huduma ya kwanza. Ikibidi mwone mtaalam wa tiba.

PELEKA MJERUHI KWA DAKTARI
Wakati wa dharura piga simu bila malipo 0800 730030/0800 720021 (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 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.

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NOIR