ACTELLIC Gold Dust is an insecticide for use against grain storage pests the Larger Grain borer (LGB), grain weevil, red flour beetle and lesser grain beetle in maize.

Mode of Action
Pirimiphos-methyl rapidly penetrates the insect cuticle and disrupts nerve conduction via the inhibition of acetylcholinesterase. Thiamethoxam is considered to act by interfering with the nicotinic acetyl choline receptor of the nervous system of insects.

Spectrum of activity
Actellic Gold Dust controls a wide range of key pests such as the larger grain borer, moths, beetles, mites and weevils. It controls existing infestations and gives long-term protection against re-infestation. Actellic Gold Dust is effective under tropical, humid conditions. It persists for several months on grain and inert surfaces. Actellic Gold Dust can be applied direct to grain, and to bags.

Resistance Management
In Stored Products, Actellic Gold Dust is effective against OP-resistant strains (e.g. those resistant to malathion).

DIRECTIONS FOR USE		Application rate
MAIZE		Actellic Gold Dust to be applied on fresh harvested grains, prior to be bagged.
Main pests in stored products		
	COMMON NAME	
Prostephanus truncatus	Larger grain borer	50 g of Actellic Gold Dust per 90 kg of grain
Oryzaephilus surnamensis	Saw toothed grain beetle	
Cryptolestes ferrugineus	Rust red grain beetle	
Sitophilus granarius	Grain weevil	
Tribolium castaneum	Red flour beetle	
Rhizopertha dominica	Lesser grain borer	

The treated maize can be consumed after two weeks.

Application
- To obtain best protection the store facility has to be cleaned. Clean the surfaces of the storing facilities by spraying Actellic 50 EC, collect old kernels and any crop parts from the store room and burn them.
- Do not store harvested unthrashed crop. After harvest, thrash or remove the kernels immediately, and protect the kernels with Actellic Gold Dust without any delay.
- Using a clean floor or a clean plastic plane on which the thrashed kernels are placed, distribute evenly Actellic Gold Dust on the kernels by continuous shuffling of the kernels. This allows and enhances the distribution and recovery of Actellic Gold Dust on the kernel surface.
- Mix kernels well for a few minutes, then store the treated kernels in clean bags. • In case of larger quantities whereby the kernels are transported to the silos with the help of conveyor belts, Actellic Gold Dust can be applied directly on the moving kernels at 500 g of Actellic Gold Dust per ton of kernels.

Storage conditions
Store away from sun and damp, in a well-ventilated area apart from food and feed, under lock and key. DO NOT contaminate water, food or feed. DO NOT stack containers in piles more than 2 m high, in order to avoid product compaction or damage. Avoid temperatures above 35°c.

Safety Aspects:
Precautionary measures
KEEP LOCKED UP OUT OF REACH OF CHILDREN
and other unauthorised persons, and animals.

Operator safety
AVOID getting product in contact with skin, eyes or clothing. DO NOT inhale dust. DO NOT eat, drink or smoke during work. Wash hands and face before eating, drinking or smoking.
WEAR protective clothing: overalls, impermeable gloves, and solid footwear.
AFTER WORK, thoroughly clean protective clothing and equipment used. Wash entire body and change clothing. Wash contaminated clothing before re-use.

Environment and wildlife
DO NOT contaminate water used for irrigation or domestic purposes and water areas, such as ponds, ditches, lakes, drainage systems, etc. by disposal of product waste.

Spillage and leakage
Remove heavily contaminated soil layer and bury in a safe place away from water supplies. Collect up spilt material thoroughly and bury it in a safe place or put it in a waste bin or in a plastic bag and dispose of on a site approved for pesticides.
Note: Spilt product must not be re used.

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Product and container disposal
Provided there are no local legal or other rules and regulations, the following procedure is recommended: Dispose of surplus product on a landfill site approved for pesticides or burry in a safe place away from water supplies. Empty the product sachets /containers well. Dispose of containers made of cardboard, paper or plastic on a landfill site or burn in a safe place. If burned stay out of the smoke. Be sure that the smoke or fumes will not reach and harm animals. DO NOT re use empty containers for any other purpose.

FIRST AID INSTRUCTIONS:
KEEP STRICTLY AT REST, AS CONTINUED MOVEMENT ENHANCES THE EFFECT OF CHOLINESTERASE INHIBITION.
If poisoning is suspected stop work immedi-ately 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 this dust was ingested.Note: Never give anything by mouth to an unconscious patient and never induce vomiting.

TOXICOLOGICAL INFORMATION
Symptoms of poisoning: If poisoning is suspected stop work immediately and call a physician.
Note to the Doctor: Apply symptomatic therapy.
Antidote: Atropine; in addition oxime preparations under medical supervision.

In case of an emergency Call Toll free No.: 0800 720021/ 0800 730030(24hr)

NOTICE TO USER
This pest control product is to be used only in accordance with the instructions on this label. It is an offence under the Pest Control Products Act to use or store a pest control product under unauthorised 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 of this product and accepts the product on that basis.

Formulated and distributed in Kenya by: Twiga Chemical Industries Limited
P.O. Box 30172, 00100, GPO, Nairobi, Kenya, Tel: 3942300, Fax:- 3942405.
Under license of:
Syngenta Agro AG, Basle, Switzerland

Registration No. (Nambari ya usajili):
PCPB(CR) 1149
Actellic® Gold Dust is a registered trademark of a Syngenta Group Company
(® Alama ya biashara ya kampuni ya Syngenta Group Company)

Syngenta East Africa Ltd
P.O BOX 30393, 00100 NBI
NAIROBI, KENYA
Tel: +254 -20-3228000/2714847
Fax: +254-20-3007885

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ACTELLIC Gold Dust is an insecticide for use against grain storage pests the Larger Grain borer (LGB), grain weevil, red flour beetle and lesser grain beetle in maize.

GUARANTEE /DHAMANA

16 g/kg Pirimiphos-methyl
3.6 g/kg Thiamethoxam

REGISTRATION NUMBER/ NAMBARI YA KUSAJILIWA: PCPB (CR) 1149

COMMERCIAL AND AGRICULTURAL CLASS / KUNDI LA BIASHARA NA KILIMO

ACTELLIC Gold Dust ni kiuadudu kwa ajili ya kudhibiti wadudu waharibifu kama dumuzi na mdudutembo kwenye mazao ya mahindi yaliyohifadhiwa ghalani.

KEEP LOCKED OUT OF REACH OF CHILDREN/
WEKA MBALI NA WATOTO

READ THE ATTACHED LEAFLET BEFORE USING THE PRODUCT

SOMA MAELEZO YOTE KWENYE FURUSI NA UKURASA ULIOBANDIKWA KWA FURUSI

SHELF LIFE: At least 1.5 years from the date of manufacture stored in original sealed containers

MAISHA RAFUNI: Si chini ya miaka 1.5 ikiwa imehifadhiwa katika viwekeo vyake asili ambavyo havijafunguliwa

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

Kukiwa na jambo la dharura piga simu isiotozwa Nambari: 0800720021 na 0800730030 (24hrs)

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MEMBER OF AGROCHEMICALS ASSOCIATION OF KENYA REGISTRATION NUMBER 226

Net Content/Ujazo: 1 kgs/Kilo 1

TM

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Mazingira na wanyama wa pori
Usitupe mabaki ya dawa kwenye maji yatumikayo kwa wanyama au matumizi ya nyumbani na vyanzo vingine vya maji kama vile mabwawa, mifereji, maziwa, n.k.

Kuvuja na Kumwagika dawa.
Udongo uliomwagikiwa dawa uchotwe vizuri na ukazikwe mahali salama mbali na vianzio au njia za maji. Kusanya dawa iliyomwagika kisha ifukie au weka kwenye mfuko wa plastiki na ukazike sehemu iliyo mbali na vianzio vya maji. Osha sehemu ilyomwagikia dawa kwa maji mengi.

HUDUMA YA KWANZA
HAKIKISHA UNAMWEKA MGONJWA KATIKA HALI YA KUPUMZIKA KWANI KUENDELEA KUFANYA SHUGHULI YOYOTE HUSABABISHA UZUIAJI WA KIMENG'ENYO CHA CHOLINESTERASE KUWA MBAYA ZAIDI.
Ukijihisi sumu imekuingia, acha kazi mara moja na fuata huduma ya kwanza kama ifuatavyo. Endapo dawa imekumwagikia, vua nguo zilizochafuka, nawa haraka kwa maji mengi na sabuni sehemu zote za mwili zilizopata dawa. Kama dawa imeingia kwenye macho, yasafishe kwa maji safi kwa angalau dakika 15. Kama umevuta vumbi lenye 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.

Maelezo kwa daktari
Tumia Atropine; pamoja na oxime katika mchang-anyiko chini ya uangalizi wa daktari.

Kukiwa na jambo la dharura piga simu isiotozwa Nambari: 0800 720021/ 0800 730030 (24 hrs.)

ILANI KWA MTUMIAJI
Dawa hii ni sharti itumike kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangmiza 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.

ACTELLIC Gold Dust ni kiuadudu kwa ajili ya kudhibiti wadudu waharibifu kama dumuzi na mdudutembo kwenye mazao ya mahindi yaliyohifadhiwa ghalani.

Maelezo
Actellic Gold Dust ni kiuadudu aina ya vumbi yenye pirimiphos-methyl iliyo kwenye kundi la organophosphate na Thiamethoxam kwenye kundi la neonicotinoid. Actellic Gold Dust ina uamalifu wa mguso na sumu tumbo, Pia hubaki kwenye punje na kutoa hewa ya sumu.

Namna ya uamilifu
Pirimiphos-methyl hupenya haraka kwenye mwili wa mdudu na kuzuia utendaji kazi wa acetylcholinesterase. Thiamethoxam huingilia kati utendaji kazi wa acetyl choline katika mishipa ya neva kwa mdudu anayehusika.

Matumizi kwa mazao yaliyoko ghalani
Actellic Gold Dust hudhibiti wadudu wengi muhimu washambuliao mazao ghalani kama vile wadudu waliomo kwenye jamii ya nondo, wadudukobe, wadudutembo. Hudhibiti wadudu waliopo na kukinga dhidi ya mashambilizi mengine ya baadae. Actellic Gold Dust hufanya kazi katika mazingira ya joto ya nchi za tropiki. Hubaki kwenye punje za nafaka kwa miezi kadhaa. Actellic Gold Dust yaweza kunyunyizwa moja kwa moja kwenye nafaka na kwenye magunia.

Kuzuia ukinzani:
Kwa mazao yaliyo ghalani Actellic Gold Dust hudhibiti wadudu wenye ukinzani dhidi ya viuadudu vilivyo kwenye jamii ya OP. (kama vile walio na ukinzani dhidi ya malathion).

Mazao yaliyohifadhiwa ghalani MAHINDI	Kiasi cha kutumia
Wadudu muhimu ghalani Nondo wa unga Mdudutembo Dumuzi	Gramu 50 g za Actellic Gold Dust Kwa kilo 90 za nafaka

Mahindi iliyo na dawa yaweza kuliwa baada ya wiki mbili

Jinsi ya kutumia
- Ili kupata matokeo mazuri ghala halina budi kusafishwa. Safisha kuta zote na sakafu za ghala na kisha ua wadudu wote kwa kunyunyiza Actellic 50 EC. Kusanya mabaki yote ya nafaka na uyachome moto.
- Usihifadhi nafaka isiyopukuchuliwa. Pukuchua nafaka mara baada ya kuvuna. Kinga nafaka yako dhidi ya uharibifu kwa kuchanganya na Actellic Gold Dust bila kuchelewa.
- Actellic Gold Dust ichanganywe na nafaka iliyotandazwa juu ya sakafu safi au turubali huku ukigeuzageuza. Hii itawezesha kuenea vizuri kwa Actellic Gold Dust juu ya punje za nafaka.
- Endelea kugeuza geuza kwa dakika kadhaa kisha weka nafaka iliyochanganywa kwenye gunia lililo safi.
- Ikiwa kiasi cha nafaka ni kikubwa na inasafirishwa kupitia mikanda maalum, Actellic Gold Dust yaweza kunyunyizwa moja kwa moja kwenye nafaka inayosafirishwa kwa kiasi cha gramu 500 za Actellic Gold Dust kwa tani.

Hifadhi:
Dawa ihifadhiwe katika viwekeo vyake asili vilivyofungwa, mahali pakavu kivulini mbali na watoto, vyakula na mifugo.

Hadhari
WEKA MBALI NA WATOTO na watu wasiohusika na mifugo.

Usalama kwa mtumiaji
EPUKA kuguswa na dawa kwenye mwili, macho, ama kwenye nguo. Usivute hewa yenye vumbi la dawa. Usile, kunywa au kuvuta sigara wakati wa uchanganyaji. Nawa mikono na uso kabla ya kula kunywa au kuvuta sigara.Vaa mavazi ya kinga: overoli, glavu zisizopitisha maji, na buti. Baada ya kazi, osha nguo na vifaa vya kazi vilivyotumika. Osha mwili mzima na kisha badilisha nguo. Fua nguo iliyomwagikiwa dawa kabla ya kutumia tena.