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

NeemAzaL 1.2EC

Emulsifiable Concentrate

NeemAzal is a neem extract concentrate insecticide for the control of thrips on roses, aphids, whiteflies and thrips on French beans.
(Dawa inayotumika katika kudhibiti wadudu aina ya thrips katika mimea ya maua ya waridi, whiteflies,aphids na thrips kwa maharagwe)

COMMERCIAL AND AGRICULTURAL CLASS (SEHEMU YA BIASHARA NA KILIMO)

REGISTRATION No. (NAMBARI YA KUSAJILIWA): PCPB (CR) 1856

GUARANTEE: (DHAMANA) AZADIRACHTIN 12g/L

KEEP LOCKED OUT OF CHILDREN (WEKA MBALI NA WATOTO)

SHELF LIFE: 2 years from date of manufacture when stored in its original, unopened container stored in a cool dry well ventilated place.
(MUDA RAFUNI: Miaka miwili baada ya tarehe ya kutengenezwa ikihifadhiwa kwenye pakiti yake halisi isiofunguliwa na iliowekwa pahali pakavu na penye baridi).

DATE OF MANUFACTURE (TAREHE YA KUTENGENEZWA	
BATCH NO.: (NA NAMBARI YA KIFURUSHI)	
EXPIRY DATE (TUMIA KABLA YA):	

Whiteflies

Flower thrips

In case of poisoning, call Toll free Nos: 0800720021 and 0800730030 (24hrs/masaa 24)
(Piga simu isiyo na malipo wakati wa kusumika)

MEMBER OF AGROCHEMICALS ASSOCIATION OF KENYA
REGISTRATION NUMBER 102

OMRI Listed

Content (Kiasi):
1 Litre

Manufacturer:
E.I.D. Parry (India) Ltd.
Dare House, 234,
NSC Bose Road, Chennai - 6000 001
India

TWIGA CHEMICALS

Distributor (Msambazaji) in Kenya:
TWIGA CHEMICAL INDUSTRIES LTD.
P.O. BOX 30172, 00100 GPO, NAIROBI, KENYA
TEL: 3942000 , FAX:- 3942405

WHO CLASS II (Moderately hazardous)

HARMFUL (INADHURU)

DESCRIPTION
NeemAzal 1.2 EC is a Neem extract concentrate insecticide containing Azadirachtin12,000ppm as the active ingredient for the control of thrips on roses, aphids, whiteflies and thrips on French beans.
NeemAzal controls target pests by way of repellence, anti-feedance, and interference with the molting process.
The active ingredient, Azadirachtin, is an insect growth regulator (IGR),which mimics the pests hormones and disrupts distinct stages of growth and development of insects and mites. The primary mode of action of azadirachtin is interference with synthesis and metabolism of ecdysone and the juvenile hormone. Ecdysone is the molting hormone of insects, and azadirachtin can regulate growth leading to death before or during molting.

Mode of Action: Control of different orders of insects or insects in different phases of their life cycle is due to the complexity of the Azadirachtin molecule and the many modes of action inherent in Azadirachtin	Anti-Feedant	Insects feed less or not at all on treated plants. Foliage is not damaged and insects ultimately starve to death.
	Insect Growth Regulator (IGR)	Insects fail to mature and reproduce, eliminating populations over time.
	Anti-ovipository	Insects do not lay eggs on treated plants. The likelihood of insect infestation is greatly decreased in treated plants. This adds a preventive aspect to your insect control.
	Repellant	Insects do not prefer treated plants.

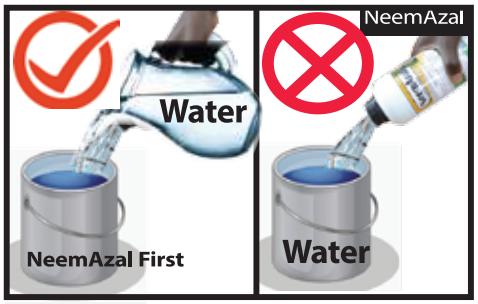
RECOMMEDATIONS FOR USE

CROP	TARGETS PESTS	RATE OF USE
Roses	Thrips,	1-1.5 litre/ha 20-30mls in 20lts of water
French beans	Whiteflies, thrips and aphids	1 litre/ha 20mls in 20lts of water

Spray Volume: 1000L of water per Ha
Re-entry interval on roses: 4 hrs or after spray has dried.

NB. Apply at first sign of insect pest infestation and repeat as necessary. 4 sprays at intervals of 15 days are recommended. The frequency can be increased or decreased depending on pest infestation and crop canopy.
It is worth noting that NeemAzal 1.2 EC is also recommended as part of an Integrated Pest management (IPM) programme to reduce risk of resistance development. It can be alternated with other insecticides and nematicides which are not in the same chemical group as the active ingredient of Neemazal.

MIXING



NB. Add water to NeemAzal,not NeemAzal to water.
Use the emulsion as direct spray on the crops.

PREPARATION FOR THE SPRAY MIX
Measure the required quantity of NeemAzal and pour into the spray pump. Add the required amount of water and stir with a wooden stick or rod to get a good emulsion.

Spray Directions
High Volume Sprayers: Use the higher label rates when foliage is dense. Thorough and complete coverage of both sides of leaves is advised. Use high volume sprayer when area to be treated is small, it is also labor intensive and time consuming
Low Volume or Ultra - Low Volume Sprayers: Thorough and complete coverage is essential for good efficacy. Low volume reduces quantity of the spray solution.
Aerial Application: May be applied using suitable equipment such as fixed-wing aircraft or helicopter.

PRECAUTIONS
Use appropriate protective clothing such as gloves, overalls, shield, gum boots
Do not eat, drink or smoke when handling this product
After work, wash yourself and clothes

Caution: Harmful if absorbed through skin or inhaled. Avoid breathing vapor. Causes eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. The product is skin irritant

STORAGE
Store in original, tightly closed container away from children, food, drinks and livestock feed stuffs.
Store in a cool, dry, well ventilated area under lock and key.
Do not store above 40^0C or below -26^0C for extended period of time.

Pesticide Disposal: Wastes resulting from the use of this product to be disposed off according to national legislation in a safe place away from water sources.

Container disposal: Metal /plastic/glass- triple rinse, puncture and dispose off according to national laws and regulations on waste disposal.

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. Toxic to bees. Do not spray when bees are actively foraging

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. 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 poisoning, call Toll free Nos: 0800720021 or 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

NeemAzal 1.2EC ni ya muundo wa asili kutokana na mmea uitwao mwarobaini(neem). Neemazal iko na Azadirachtin 12,000ppm yenye uwezo wa kudhibiti wadudu aina ya thrips katika mimea ya maua ya waridi, whiteflies, aphids na thrips kwa maharagwe. NeemAzal ina ufanisi wa kibaologia na pia huchanganya vipengele za kuzuia wadudu kwenye sehemu zilizonyunyiziwa dawa. NeemAzal ni salama kwa mazingira.

JINSI INAVYO FANYA KAZI

NeemAzal hufanya kazi kwa njia ifuatayo

1. Huzuia wadudu baada ya kunyunyiza
2. Muda mfupi baada ya kunyunyiza NeemAzal ita zuia mdudu kutokula na mwishowe kufa
3. Hudhibiti ukuaji wa wadudu-NeemAzal huzuia yai za wadudu kutaga na hii inamanisha mabuu haita toka pia

Jinsi inavyofanya kazi Udhibiti wadudu katika awamu mbalimbali za mzunguko wa maisha yao.	Wadudu hukula kidogo au hukosa kukula kabisa kwa mimea iliyopigwa dawa
	Wadudu hukosa kazalisha na kuzaliana
	Wadudu hukosa kutaga mayai kwenye sehemu zilizopigwa dawa
	Wadudu hawapendi mimea zilizo nyunyiziwa dawa

MAELEZO NA KIWANGO YAKUTUMIA

MIMEA	WADUDU	KIWANGO
Mau ya waridi	*Thrips*	Lita 1- 1.5 kwa hektari Mililita 20-30 kwa Lita 20 ya maji
Maharagwe / Misiri	*Whiteflies, thrips na aphids,*	Lita 1 kwa hektari Mililita 20 kwa Lita 20 ya maji

KUCHANGANYA

Kiwango cha maji- Lita 1000 kwa hektari

Maua ya waridi: Muda wa kungoja kabla ya kurudi mahali palipo nyunyiziwa dawa ni masaa 4 au kama dawa imekauka kwa matawi.

Anza kutumia dawa baada ya dalili ya wadudu kuonekana na rudia ikihitajika.

Piga dawa hadi mara 4 kwa vipindi vya siku 15 inapendekezwa kulingana na kiwango ya wadudu na mimea.

NeemAzal 1.2 EC inapendekezwa kutumika kwa 'integrated pest management program' ili kuzuia wadudu kuzoea dawa. Inaweza badilishwa na dawa ya wadudu zingine zenye mfumo tofauti ya kufanya kazi.

Jinsi ya kutayarisha dawa

- Pima kiasi kinachohitajika cha NeemAzal. Ongeza kiasi kinachohitajika cha maji na ukoroge vizuri.
- Ongeza maji kwa NeemAzal siyo NeemAzal kwa maji.
- Tumia mchanganyiko kunyunyizia mimea.

Tahadhari

- Tumia mavazi sahihi kujikinga kama vile glovu, overalls, ngao, gambuti
- Usikule, usikunywe wala kuvuta sigara ukitumia dawa hii
- Baada ya kazi oga na uoshe nguo za kazi

KUHIFADHI

Hifadhi ndani ya chombo chake halisi kilichofungwa vizuri mbali na watoto,vyakula,vinywaji na vyakula vya mifugo.

Hifadhi dawa hii mahali baridi,pakavu, na panopopitisha hewa safi na palipo fungwa na kufuli.

Kutupa

Dawa ya ziada kama haikutumika itupwe kwenye jaa liloidhinishwa la kutupa madawa ya sumu ya kuangamiza wadudu waharibifu mahali salama mbali na vyanzo vya maji. Usitumie chombo kilochokwisha dawa kwa matumizi mengine yeyote. Vyombo vilivyokwisha dawa vyapaswa kutupwa kwenye jaa la kutupa takataka za sumu liloidhinishwa pahali salama mbali na vyanzo vya maji.

MAZINGIRA NA MBUGA ZA WANYAMA

Dawa hii ina madhara kwa samaki. Kwa hivyo usichafue njia za maji kwa kutupa ndani uchafu wa dawa. Weka mifugo mbali na maeneo yaliyowekwa dawa. Ni sumu kwa nyuki kwa hivyo dawa hii isipigwe wakati nyuki wanaonekana

MAAGIZO YA HUDUMA YA KWANZA

NeemAzal ni sumu ikiwa itamezwa au kuvutwa ndani. 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 imeguza ngozi: Osha ngozi ilio ingia dawa kwa sabuni na maji mengi. Toa nguo zilizomwagikiwa na dawa. Ona daktari mara moja.

Ikiwa mvuke wa dawa hii umevutwa ndani ya mapafu: Mwondoe mgonjwa kutoka kwenye eneo lililo na sumu na umweke mgonjwa mahali penye hewa safi na umpe usaidizi wa kupumua. Mweke kwenye joto la kadri na katika hali ya kupumzika. Pata ushauri wa daktari.

Kama imemezwa: Ipunguze nguvu ya dawa iliyomezwa haraka kwa kumnywesha mgonjwa maji mengi. Kamwe usimlishe mtu aliyepoteza fahamu kitu chochote kupitia mdomoni. Muone daktari haraka. PELEKA MAJERUHI KWA DAKTARI

MAELEZO YA SUMU.

Dalili za sumu: Hakuna dalili maalum.

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

Maelezo kwa daktari:

Tibu kulingana na dalili.

Wakati wa kusumika piga simu bila malipo : 0800720021 ama 0800730030 (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:

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.