

ACCLIMA 240 EC

ZEMA PRODUCT NO:

For further information see attached pamphlet.

An emulsifiable concentrate systemic, contact and stomach insecticide for the control of various pests in the crops as indicated on the label.

ACTIVE INGREDIENTS

Acetamiprid (acetamidine).... 150 g/ℓ
Indoxacarb (oxadiazine)..... 90 g/ℓ

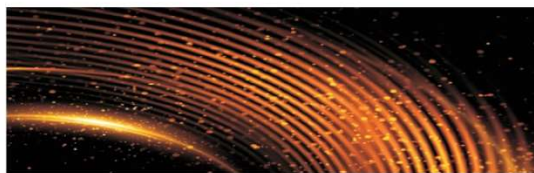
Net Volume:

Batch No:
Manufacturing date:
Expiry Date:

Manufacturer & Supplier:

AECI Plant Health,
(a division of AECI Ltd)
14 Field Road, Lilianton,
Boksburg, 1459, South-Africa
T: +27 11 823 8000

UN No./ VN Nr: 1993 – Flammable liquid, N.O.S.



Read the label carefully before opening.

GROUP	22A	INSECTICIDES
GROUP	4A	INSECTICIDES

HAZARD STATEMENT

Flammable liquid and vapour.

Harmful if swallowed.

Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Keep away from heat, open flames and other ignition sources.

Wash thoroughly after handling.

Wear protective gloves and clothing and eye and face protection.

Local Distributor:

ATS Agrochemicals Ltd
Plot 397A, Makeni,
Kafue Road, Lusaka
Zambia
T: +260 1 246 724-6



DANGER



ACCLIMA 240 EC

An emulsifiable concentrate systemic, contact and stomach insecticide for the control of various insects on the crops as indicated.

Insecticide Group Codes
Indoxacarb 22A
Acetamiprid 4A

Active ingredients:

Acetamiprid (acetamidine).....150 g/l
Indoxacarb (oxadiazine) 90 g/l

WARNINGS:

ALLOW THE FOLLOWING NUMBER OF DAYS BETWEEN THE LAST APPLICATION AND HARVEST OR GRAZING.

Apples	14 days
Beans	3 days; Dry Beans 42 feeding
Brinjals	7 days
Canola; Sugar Cane; Wheat, Barley, Oats	56 days
Cotton	28 days
Cruciferae; Cucurbits; Peppers; Tomatoes	3 days
Maize	3 days; 42 feeding
Peas	7 days
Sorghum	42F
Soy Bean	3 days; 28F

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local Maximum Residue Limits (MRL's), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, Maximum Residue Limits and recommended withholding periods.

Handle concentrate with extreme care.

Harmful if inhaled or swallowed.

May cause serious eye damage and a mild skin irritant.

Toxic to aquatic organisms, bees and wildlife.

Store under lock and key in a cool, dry place away from food and feed.

Keep out of reach of children, uninformed persons and animals.

FLAMMABLE - keep away from open flames.

Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing. In case of poisoning contact a doctor and make this label available to him/her.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS, THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFICACIOUS UNDER ALL CONDITIONS, BECAUSE THE ACTION AND EFFECT THEREOF MAY BE AFFECTED BY FACTORS SUCH AS ABNORMAL SOIL, CLIMATIC AND STORAGE CONDITIONS, QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE PEST TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS:

Do not inhale spray mist.

Wear protective clothing - rubber gloves, boots and face shield when handling and applying the product. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them.

Avoid contact with eyes and prolonged or repeated skin contact.

Remove and wash contaminated clothing after use.

Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes.

Prevent contamination of food, feed, drinking water and eating utensils.

Prevent spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean applicator thoroughly before re-using and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

When empty, rinse empty container three times with a volume of water equal to a minimum of 30 % of that of the container and add rinsings to the contents of the spray tank before disposing of the container.

Destroy the empty container and dispose of it in a safe manner. Do not use for any other purpose.

The triple-rinsed container may be sent to an approved recycling facility for processing.

SYMPTOMS OF HUMAN POISONING:

Repeated exposure to **Acclima 240 EC** may cause the following symptoms; skin sensitization, nausea, vomiting, headaches, confusion, blurry vision, lethargy and shortness of breath.

FIRST AID TREATMENT:

- **In case of inhalation:** If inhaled, remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
- **Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. Thoroughly clean shoes before re-use. Get medical attention immediately.
- **Eye contact:** Check and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
- **Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

NOTE TO PHYSICIAN:

Treatment should be symptomatic and supportive.

If the patient is suffering from a temporary allergic reaction administer treatment with antihistamine or steroid creams and / or systemic steroids.

RESISTANCE WARNING:

ACCLIMA 240 EC is a combination of two active ingredients with different modes of action, namely acetamiprid and indoxacarb

Indoxacarb belongs to the oxadiazine class, and is a broad-spectrum Lepidoptera insecticide, which is also active against certain other pests. Though mainly acting through ingestion, it can also be absorbed through the cuticle. Indoxacarb acts by blocking sodium ion movement into certain nerve cell ion channels, leading to paralysis and death of the pest.

For resistance management, **ACCLIMA 240 EC** is Group Codes 22A and 4A insecticide. Any insect population may contain individuals naturally resistant to **ACCLIMA 240 EC** and other Group Codes 22A and 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **ACCLIMA 240 EC** or other Group Codes 22A and 4A insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide Group Codes. Refer to applicable individual product labels.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.

It is recommended to alternate with registered products with a different mode of action from different classes and not to exceed the maximum number of applications per season with **ACCLIMA 240 EC** as per the label instructions.

For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS:

Do not exceed the maximum of applications per season as indicated in the "Application Table".

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

COMPATIBILITY:

The compatibility of **ACCLIMA 240 EC** has not yet been proven with other agricultural remedies. Its compatibility with other products may be influenced by several factors. As certain factors may vary from farm to farm, a physical compatibility test must always be performed before such a tank mixture is sprayed.

For more information on compatibility or in the event of uncertainty, contact your local Nulandis representative. When **ACCLIMA 240 EC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on the relevant labels.

MIXING INSTRUCTIONS:

Half fill the spray tank with clean water. Add the required quantity of **ACCLIMA 240 EC** to a small amount of water and mix thoroughly before it is added to the spray tank while agitating. Rinse the container and add rinsate to the spray tank. Half fill the spray tank with water and add the required amount of **ACCLIMA 240 EC** to the water, while agitating. Maintain agitation during mixing and application. The prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Ground application:

Always use suitable spray equipment provided it is equipped with an efficient agitation system, it is able to distribute the spray mixture evenly over the target area and it is calibrated correctly.

APPLICATION TABLE:

CROP AND PEST	DOSAGE	REMARKS
APPLES Codling moth larvae (<i>Cydia pomonella</i>)	40 ml/100 ℓ water	Apply as a full cover spray. Ensure thorough coverage. Apply against the first generation of the pest. Commence application at 75% petal fall at the onset of the first moth generation of the pest. Apply in a spray programme of 2 applications with 14-day intervals.
BEANS African bollworm (larvae) (<i>Helicoverpa armigera</i>)	40ml/100 ℓ water	400-600L water / ha. Applied 2 times with 7 day intervals
BRINJALS African bollworm (larvae) (<i>Helicoverpa armigera</i>)	40ml/100 ℓ water	Apply two times with 10 - fourteen day intervals
CANOLA Cruciferous Aphid (<i>Brevicoryne brassica</i>) Diamond-back moth (larvae) (<i>Plutella xylostella</i>)	400ml/ha	Apply as a single application in 200L water/ha.
COTTON Cotton aphid (<i>Aphis gossypii</i>) Leafhopper (<i>Empoasca decipiens</i>) African bollworm (<i>Helicoverpa armigera</i>), Spiny Bollworm (<i>Earias biplaga</i>), Red Bollworm (<i>Diparopsis castanea</i>)	400ml/ha	Apply as a single spray in 400L/ha spray mixture
CRUCIFERAE: (Cabbage, Cauliflower, Brussels sprouts, Broccoli) Aphids (<i>Brevicoryne brassica</i>) Diamondback moth (<i>Plutella xylostella</i>) Cabbage webworm (larvae) (<i>Hellula undalis</i>) African Bollworm (<i>Helicoverpa armigera</i>) Cabbage white butterfly (larvae) (<i>Pieris brassica</i>)	40ml/100 ℓ water	Apply three times at the interval of 7 days apart in a spray mixture of 500l/ha
CUCURBITS: (Pumpkins, Squash, Watermelons, Melons, Baby Marrows, Patty Pans and Cucumbers) African Bollworm (<i>Helicoverpa armigera</i>)	400ml/ha	Apply two applications with 7 – 10 day spray intervals when larvae are first noticed. Do not exceed two applications of Acclima 250 EC per season.
MAIZE Fall Armyworm (<i>Spodoptera frugiperda</i>) African bollworm (larvae) (<i>Helicoverpa armigera</i>) Maize stalk borer larvae (<i>Busseola fusca</i>)	400ml/ha	400-600L water / ha. Apply 2 times with 7 day intervals
PEAS African Bollworm (<i>Helicoverpa armigera</i>)	400ml/ha	Apply two applications with 7 – 10 day spray intervals when larvae are first noticed. Do not exceed two applications of Acclima 250 EC per season.
PEPPERS African bollworm larvae (<i>Helicoverpa armigera</i>) Aphids/green peach aphids (<i>Macrosiphum euphorbiae</i> / <i>Myzus persicae</i>) Thrips (<i>Frankliniella occidentalis</i>)	400ml/100 ℓ water	400-600L water / ha. Three consecutive sprays, applied on infestation onset per season with 7 days interval as corrective control.
Tomato leaf miner moth (larvae) (<i>Tuta absoluta</i>) Fall Army Worm (larvae) (<i>Spodoptera frugiperda</i>)	40ml/100 ℓ water	Apply two applications with 7 – 10 day spray intervals when larvae are first noticed. Do not exceed four applications of Acclima 250 EC per season
POTATOES Potato aphid (<i>Macrosiphum euphorbiae</i>), Potato tuber moth (<i>Phthorimaea operculella</i>), Potato leaf miner (<i>Liriomyza huidobrensis</i>) Tomato leaf miner moth (larvae) (<i>Tuta absoluta</i>)	400ml/ha	400-600L water / ha. Three consecutive sprays, applied on infestation onset per season with 7 days interval as corrective control. Do not exceed two applications of Acclima 250 EC per season
SORGHUM Fall Army Worm (larvae) (<i>Spodoptera frugiperda</i>)	400ml/ha	Apply at the beginning of infestation and at the first signs of damage. Application is not recommended when larvae is larger than 1cm
SOY BEAN African bollworm (larvae) (<i>Helicoverpa armigera</i>) Fall Army Worm (larvae) (<i>Spodoptera frugiperda</i>)	400ml/ha	Apply 250L water / ha. Apply 2 times with 7 day intervals
SUGAR CANE African sugarcane borer (<i>Eldana saccharina</i>)	400ml/ha	Apply in 500 l/ha water volume. Maximum of two sprays at 14 day intervals.

Yellow sugarcane aphid (<i>Sipha flava</i> (YSCA)) Thrips (<i>Fulmekiola serrate</i>)		
TOMATOES African bollworm (larvae) (<i>Helicoverpa armigera</i>)	40 ml / 100 l water	Regular scouting of tomato fields is essential to determine the timing of the first and subsequent application if necessary. Apply using 500 – 1 500 l of spray mixture per hectare. Good coverage of all foliage is essential. In the case of trellised tomatoes both sides of the tomato row must be sprayed. Apply when the first larvae are observed – normally around the fruit-set of the crop. Do a follow-up application at a 7-day interval period.
Aphids (<i>Myzus persicae</i>) Tomato leaf miner moth (larvae) (<i>Tuta absoluta</i>) Whitefly (<i>Bemisia tabaci</i>) American Leaf miner (<i>Liriomyza trifolii</i>) Tomato semi-looper (larvae) (<i>Chrysodeixis acuta</i>)	40 ml / 100 l water	Apply 2 applications before switching to a registered product with a different mode of action.
WHEAT, BARLEY, OATS Brown Ear Aphid (<i>Sitobion avenae</i>) Common wheat aphid (<i>Schizaphis graminum</i>) Oat aphid (<i>Rhopalosiphum padi</i>) African bollworm (larvae) (<i>Helicoverpa armigera</i>)	400ml/ha	Apply when the pest is noticed and repeat when necessary. Do not apply later than the ear emergence stage of barley, oats and wheat. Ground application: apply in not less than 75 l water per ha. Ensure good droplet coverage of all plant parts.