TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

PRECAUTIONS

1. Handle with care. Avoid splashing and contact with eyes, nose and mouth.
2. Poisonous by swallowing, inhalation and contact with skin.
3. WEAR FULL PROTECTIVE CLOTHING i.e. rubber gloves, rubber boots, overalls, hood and respirator when mixing and applying this insecticide/acaricide.
4. On completion of spraying, remove protective clothing and wash hands and face thoroughly with soap and water.
5. KEEP APART FROM FOOD AND FOODSTUFFS.
6. **DO NOT** eat, drink or smoke while handling, mixing and applying this insecticide/acaricide.
7. KEEP OUT OF THE REACH OF CHILDREN.
8. Dangerous to livestock and domestic pets.
9. **DO NOT** contaminate drinking pools, dams, rivers, waterways and other water supplies.
10. Store in the original container and KEEP UNDER LOCK AND KEY.
11. This insecticide/acaricide very toxic to aquatic organisms and bees.

EMPTY CONTAINER DISPOSAL

Invert the empty container over the spray tank or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10% of the container. Add the rinsings to the contents of the spray tank. Destroy the empty container by perforation and flattening. Bury away in a designated area or away from water sources. **DO NOT** use for any other purpose. If possible, offer the container for recycling.

DECONTAMINATION OF SPRAYER

Clean applicator thoroughly after use and ensure that all traces of Acetamiprid+Emamectin Benzoate 70EC are removed. Make use of the following method:

(a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes.
(b) Fill tank with clean water and add to it 1.0 litre household bleach (Sodium Hypochlorite) (5 %) or 1.5 litres of household bleach(3.5 %) per 200 litres of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.
(c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.

SYMPTOMS OF POISONING:

Irritation of skin, eyes, face and mouth. Excessive inhalation may cause nasal and respiratory irritation. Ingestion may cause stomach irritation, nausea, cramps and vomiting.

FIRST AID:

Ingestion: Provided the patient is conscious, wash out mouth with water. Immediately contact a physician or Poison Control Center. **DO NOT** induce vomiting. Vomiting should only be induced under the direction of a physician or a Poison Control Center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency medical facility.

Eye contact: Immediately flush eyes with clean running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin contact: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention. In all cases, seek medical attention as quickly as possible and show this label to the attending physician.

NOTE TO PHYSICIAN

If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage. Use endotracheal cuff if available to prevent aspiration. Observe for respiratory difficulty from aspiration pneumonitis. Give artificial respiration and appropriate chemotherapy if respiration is depressed.

WARRANTY

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not guarantee that it will be effective under all conditions. The activity 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 pests against the remedy 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 animals or for lack of performance of the remedy concerned due to failure by the user to follow 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.

Shelf life: Two years from the date of manufacture if kept in the original unopened container under constant cool and dry conditions.

Batch number:

Date of manufacture:

ACEMA 70EC

INSECTICIDE/ACARICIDE

Reg. No.: **22-D-187-65**

Net Contents: **1L**

CAUTION

HARMFUL IF SWALLOWED

Composition **(Mass/Volume)**

Emamectin Benzoate 50g/l
Acetamiprid.....20g/l

Chemical groups:
Acetamiprid: Neonicotinoid
Emamectin Benzoate: Avermectin

BROAD SPECTRUM ACARICIDE AND INSDECTICIDE FOR THE CONTROL OF RED SPIDER MITES, LEPIDOPTERA PESTS, THRIPS AND LEAFMINER (*Liriomyza sativae* and *Liriomyza bryoniae*) IN ORNAMENTALS,TOMATOES AND BROADLEAF CROPS.

Registered and Distributed by:
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E-mail: sales@optiagro.co.zw

OPTIMUM AGRO
REVOLUTIONISING PLANT PROTECTION

Compatibility:

The registration holder makes no recommendation with regards to the compatibility of this product with any other products. No warranty is provided by the registration holder for mixtures of this product with any other products. When mixing with other products, the end user takes full responsibility and risk. Instructions on compatibility of this product with other chemicals must be adhered to on as outlined on the labels of those products.

DIRECTIONS FOR USE: Use only as directed.

MIXING INSTRUCTION

Shake container prior to opening. Two thirds fill the spray-tank with clean water, and with the agitator operating, add the required quantity of Acetemiprid + Emamectin Benzoate 70EC. Top up the spray-tank to the required volume with clean water with the agitator running. Add the required quantity of adjuvant after mixing is complete and spray tank is filled to the required level. Maintain agitation while spraying.

IT IS RECOMMENDED TO USE A 15-LITRE KNAPSACK SPRAYER.

CROP	PEST	DOSAGE RATE IN 100l of water/ha	APPLICATION REMARKS
Maize	*Lepidoptera* pest Cutworms Fall armyworms	250-500ml/ha **15-litre Knapsack:** 37,5 - 75ml	Apply as a full cover spray at the first signs of infestation when punctures caused by egg-laying stages are visible. Acetamiprid + Emamectin Benzoate 70EC should not be applied more than two times per season and **DO NOT** apply as consecutive applications. Alternate with an acaricide/ insecticide with a different mode of action if problem persists or resurfaces.
Tomatoes	Red Spider mites Whiteflies	300ml/ha **15-litre Knapsack:** 45ml	Apply as a full cover spray at the first signs of infestation and repeat once when pests resurface. Acetamiprid + Emamectin Benzoate 70EC should not be applied more than two times per season and **DO NOT** apply as consecutive applications. Alternate with an acaricide/insecticide with a different mode of action if problem persists or resurfaces.
Potatoes	Thrips Leafminers	300 ml/ha **15-litre Knapsack:** 45ml	Apply as a full cover spray at the first signs of infestation and repeat once when pests resurface. Acetamiprid + Emamectin Benzoate 70EC should not be applied more than two times per season and **DO NOT** apply as consecutive applications. Alternate with an acaricide/insecticide with a different mode of action if problem persists or resurfaces.
Wheat	*Lepidoptera* pest Cutworms Armyworms Leafminers	250-500ml/ha **15-litre Knapsack:** 37,5-75ml	Apply as a full cover spray at the at first signs of infestation when punctures caused by egg-laying stages are visible. Acetamiprid + Emamectin Benzoate 70EC should not be applied more than two times per season and **DO NOT** apply as consecutive applications. Alternate with an acaricide/insecticide with a different mode of action if problem persists or resurfaces.
Ornamentals	Red Spider mites Thrips Leafminers	250-300ml/ha **15-litre Knapsack:** 37,5-45ml	Apply as a full cover spray at the at first signs of infestation when punctures caused by egg-laying stages are visible. Acetamiprid + Emamectin Benzoate 70EC should not be applied more than two times per season and **DO NOT** apply as consecutive applications. Alternate with an acaricide/insecticide with a different mode of action if problem persists or resurfaces.

WARNINGS

DO NOT apply to crops under visible stress.
DO NOT apply more than two applications of Acetamiprid + Emamectin Benzoate 70EC per crop.
DO NOT apply other products containing EMAMECTIN to the same pulse crop treated with Acetamiprid + Emamectin Benzoate 70EC.
DO NOT spray crops while bees are actively foraging.
DO NOT apply if heavy rains or storms are forecast within 3 days.
DO NOT irrigate to the point of runoff for at least 3 days after application.

Pre-harvest intervals (PHI):

Tomatoes and Potatoes: 10 days
Ornamentals: 5 days
Other crops: 7 days

RESISTANCE WARNING

Some naturally occurring insect biotypes resistant to Acetamiprid (a neonicotinoid) + Emamectin Benzoate (an avermectin) 70EC and other neonicotinoid and avermectin acaricides/insecticides may exist through normal genetic variability in any insect population. Repeated use of one particular acaricide/insecticide or acaricides/insecticides from the same chemical group can lead to the early development of insect resistance to that insecticide or chemical group. **DO NOT** re-spray more than two applications per growing season. **DO NOT** re-spray with any product from the same chemical groups as Acetamiprid + Emamectin Benzoate 70EC, even at a corrective dosage rate. To delay resistance, use a product from a different chemical group. Integrate other control methods (chemical, cultural, biological) into insect control programme

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Highly toxic to bees. Will kill bees foraging in the crop to be treated or in hives that are over-sprayed or reached by spray-drift. Residues remain toxic to bees for 11 days after application. **DO NOT** spray any plants in flower while bees are foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar if there is a potential for bees to be affected by the spray or spray drift.