

SAFETY PRECAUTIONS

1. Handle with care. Harmful when swallowed. Avoid contact. Dangerous when inhaled.
2. Store away from sun and damp conditions.
3. Store in the original closed container in a cool, dry and well-ventilated place UNDER LOCK AND KEY.
4. KEEP APART FROM FOOD, FOODSTUFFS, SEEDS AND FERTILIZERS.
5. KEEP OUT OF THE REACH OF CHILDREN, UNAUTHORIZED PERSONS AND ANIMALS.
6. Wear protective clothing e.g. Overall, rubber gloves, nose cover, gumboots and breathing mask when handling, preparing and applying the spray mixture.
7. Avoid prolonged or repeated exposure.
8. DO NOT carry Orion in a vehicle which is used to carry people.
9. TOXIC TO BEES
10. Toxic to aquatic organisms.
11. Wash contaminated clothing after use.
12. Wash with soap and water after use or accidental skin contact.
13. Do not eat, drink or smoke while mixing, applying or before washing hands and face or change of clothing.
14. Do not contaminate streams, rivers or water ways with the chemical or used containers.
15. Clean application equipment after use. DO NOT dispose of wash water where it can contaminate other crops, grazing, rivers or dams, feedstuffs, drinking water and eating utensils.

CONTAINER DISPOSAL: Triple-rinse empty container before disposal. Add rinse to the mixing tank. DO NOT dispose of undiluted chemicals on-site. Dispose of at a local authority landfill. If no landfill is available, bury the container below 50 cm in a disposal pit specifically marked and set up for this purpose, which should be away from waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not re-use the empty container for any other purpose.

DEALING WITH SPILLED PRODUCT: Spilled product must be absorbed in sawdust or sand, and collected using a broom and dustpan (without a touch of the hands). A spilled product, an expired product or a product spoiled during storage is a hazardous waste and must be disposed of at the toxic waste site.

STORAGE: Store below 30°C. Store in the original, closed container in a cool and dry, well-ventilated area. Do not store for prolonged periods in direct sunlight.

SYMPTOMS OF POISONING:

Hypotension, fatal ventricular dysrhythmias, weakness of neck muscles, tremors, impaired pupillary function, hypothermia, mild to severe CNS depression, severe agitation and delirium, nausea and vomiting, skin irritation, headache, tachycardia, sweating, abdominal cramps, dizziness, coughing, wheezing, congestion, pupil dilation, aspiration pneumonia, fever, skin and eye irritation.

FIRST AID MEASURES:

Eye: Hold eye open and rinse slowly and gently for 15-20 minutes with clean water. Obtain medical advice if irritation persists.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water and soap for 15-20 minutes.

Ingestion: Have patient drink plenty of water if able to swallow. DO NOT induce vomiting unless if told to do so by a medical practitioner. Keep patient at rest. Do not give anything by mouth to an unconscious person.

Inhalation: Move patient to fresh air. If patient is not breathing, administer artificial respiration, preferably mouth to mouth. In all cases, call a poison control centre or medical practitioner for treatment advice.

NOTE TO PHYSICIAN: Treat symptomatically and supportively.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT:

Do not contaminate rivers or waterways with the chemical or used containers. Be dangerous to fish and other water-borne organisms. Be dangerous to bees. Do not apply to any plants in flower while bees are foraging.

COMPATIBILITY: The supplier makes no recommendation in regard to the compatibility of this product with any other products. No warranty is provided by the supplier for mixtures of this product with any other products. When mixing this product with other products, the buyer / user accept full responsibility and risk.

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 products on that condition.

Manufacture Date: June 2021

Expiry Date: June 2021

Batch No.: 20210620

Manufactured by:

NOVA AGRO (HK) LTD
8TH FLOOR, WYNDHAM PLACE,
44 WYNDHAM STREET
CENTRAL HONG KONG

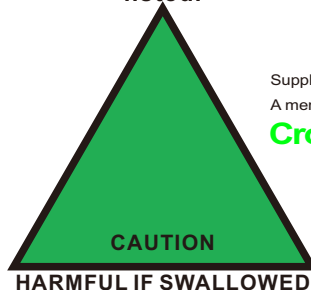
ABAMIPRID 120 SL

Insecticide/Nematicide

Reg. No.:

NET VOLUME: 1L

A stomach & contact nematicide and insecticide for the control of Nematodes, Aphids, Whiteflies, Leafminers, Thrips and Spider Mites on crops as listed.



Supplied by Maguires-

A member of



Composition

Abamectin.....20 g/L
Acetamiprid.....100 g/L
Inert ingredients.....up to 1L

Mass/mass

Chemical groups: Abamectin: Avermectin /
Acetamiprid: Neo-nicotinoid

KEEP OUT OF REACH OF CHILDREN

**INSECTICIDE / NEMATICIDE – SUSPENSION
CONCENTRATE LIQUID FOR AGRICULTURAL USE ONLY**

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

GENERAL INFORMATION:

DESCRIPTION: ABAMIPRID is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity. It can be used as a soil feroil or seed treatment.

MODE OF ACTION: It interferes with the nerve system. Act as a stomach and contact insecticide.

DIRECTIONS FOR USE: USE ONLY ACCORDING TO LABEL INSTRUCTIONS. CAREFULLY READ THE ENTIRE LABEL BEFORE USE.

IMPORTANT NOTE: This product must be used strictly as directed and in accordance with the instructions appearing on the label. The supplier accepts no liability other than as indicated in the Supplier's 'terms and conditions of sale' and the warranty clauses indicated on the product's label.

FOLIAR APPLICATION

Crop	Pest	Rate	Application method
Tomatoes	Aphids, Whiteflies, Armyworms, Leafminers, Thrips, Spider Mites	100 - 150ml/ 100L water	Apply as a full cover spray
Potatoes	Colorado Beetles, Leafminers	200ml/ 100L water	Apply as a full cover spray
Citrus	Aphids, Mealybugs, Leafminers, Thrips, Jassids, Two-Spotted Mites and Carmine Mites	10 ml/ 100 L water	Apply as a full cover spray
Vegetables	Aphids, Thrips, Whiteflies, Armyworms, Leafminers, Red Spidermites	30 ml/ 100L water 100-150ml/100L water	Apply as a full cover spray
Peas	Aphids, Thrips, Whiteflies, Leafminers, Red spidermites	30ml/100L water 100-150ml/100L water	Apply as a full cover spray
Cotton Soybeans	Leafminers, Aphids, Thrips, Caterpillars, Armyworms	100-150ml/100L water	Apply as a full cover spray
Tobacco	Aphids	200ml per 100L water	Full-cover spray 3-4 weeks after transplanting. Subsequent sprays 7-10 days later depending on level of infestation.

SOIL APPLICATION

Crop/Pest	Rate	Application directions	Application method
Seedlings: Nematodes (<i>Meloidogyne</i> sp., <i>Xiphinema</i> sp.) Cutworms, Aphids, Whiteflies, Thrips	200-300ml in 10L of water	Apply evenly until the mixture is completely absorbed by the substrate.	Drench or drip irrigation
Vegetables / Peas: Nematodes (<i>Meloidogyne</i> sp., <i>Xiphinema</i> sp.) Cutworms, Aphids, Whiteflies, Thrips	2-4L/ Ha	The 1st application should be done within 2 weeks before the transplant. Make additional 3-4 applications via drench or drip irrigation. Make in total 4-5 applications, via drench or drip irrigation.	Drench or drip irrigation
Citrus / Cotton: Nematodes (<i>Meloidogyne</i> sp., <i>Xiphinema</i> sp.) Cutworms, Mealybugs, Aphids, Whiteflies, Thrips	2-4L/ Ha	Make in total 4-5 applications, via drench or drip irrigation.	Drench or drip irrigation
Tobacco Lands: Nematodes TBR Certificate No.:	2L/ Ha 13ml/ 100 L of water 440ml/100 L of water	At planting, apply at an overall rate of 2L/ Ha using one of the following methods: - Mix directly into the planting water supply: Pour 1L of mix into each planting hole. - Mix separately from planting water: Apply 30 cups of mix into planting water in each planting hole, immediately after filling it prior to planting.	Drench or hand application.
Always consult TRB handbook for detailed recommendations			

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PLEASE READ CAREFULLY THE ENTIRE LABEL BEFORE USAGE.



1. Triple rinse clean container after use.
2. Puncture holes in bottom.
3. Return to Maguires recycling facility/or-Return to your nearest recycling facility.

Registration held by:

MAGCHEM (PVT) LIMITED
2274 TILBURY ROAD
WORKINGTON, HARARE,
ZIMBABWE

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IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product name ABAMIPRID 120SL
Common name Acetamiprid + Abamectin
Chemical name (acetamiprid)(*E*)-*N*1-[(6-chloro-3-pyridyl)methyl]-*N*2-cyano-*N*1-Methyl=acetamidine; (abamectin) 5-O-demethylavermectin A1a (i) mixture with 5-O-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl)avermectin
Supplier **NOVA AGRO (HK) LIMITED**
(Reg. No. 1023146)
6th Floor Wyndham Place
44 Wyndham Street
CENTRAL HONG KONG.

1. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.</u>	<u>CAS</u>
Acetamiprid	100g/L	135410-20-7
Abamectin	20g/L	71751-41-2

2. HAZARDS IDENTIFICATION

Health effects

ACUTE:

Caution. Hazard to humans and domestic animals. Keep out of reach of children.

Acute if Ingested: Hazard to humans and domestic animals.

Eye: Immediate effects, avoid contact with eyes.

Skin: Harmful if absorbed through skin. Avoid contact with skin or clothing. Skin contact may aggravate existing skin disease.

Inhalation: Harmful if inhaled. Avoid breathing dust. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

CHRONIC:

This product does not contain any ingredients as probable or suspected human carcinogens.

3. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless directed to do so by a physician or poison control center. Have a person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-

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20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

4. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point: Not available.

Flammable Limits (% in Air): Not Available

Autoignition Temperature: Not available.

In Case of Fire

Use dry chemical, foam, water spray, or CO₂, extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes, or products of combustion.

Prevent use of contaminated buildings, area, and equipment until decontaminated.

Unusual Fire, Explosion and Reactivity Hazards

Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

5. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Wear chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering and a NIOSH-approved chemical cartridge respirator with pesticide prefilter, or air supplied respirator. Sweep up and place in an appropriate closed container. No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washings for disposal.

Decontaminate tools and equipment following cleanup. Do not allow wash water to contaminate water supplies.

6. HANDLING AND STORAGE

Do not store in or around the home. Store unused product in a cool, ventilated, dry, locked area out of the reach of children and domestic animals. Never transfer this product to another container for storage. Do not store food, beverages, or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

To avoid eye contact, wear chemical safety glasses or goggles.

To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and head covering. Discard heavily contaminated articles that cannot be washed.

To avoid breathing spray or mist, wear a NIOSH-approved chemical cartridge respirator with organic vapor cartridge and pesticide prefilter or air-supplied respirator.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.

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7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Personal protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z 87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area. Applicators and other handlers must wear long-sleeved shirts and long pants, waterproof gloves, shoes plus socks and chemical resistant headgear for overhead exposure. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

8. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Light brown liquid
Odour: Characteristic
pH value: 5-8

9. STABILITY & REACTIVITY

Reactivity
Stability: Stable in buffered solutions at pH 4, 5, 7.
Stable under sunlight.
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: Strong alkaline

10. TOXICOLOGICAL INFORMATION

Acute Toxicity /Irritation Studies (tech)

Oral: LD₅₀ for rats >2000 mg/kg body weight
Dermal: LD₅₀ for rat > 2000 mg/kg body weight
Inhalation: Inhalation LC₅₀ (Rat) > 3.17 mg/L air - 4 hours
Eye Contact: Non-irritating (Rabbit)
Skin Contact: Non-irritating (Rabbit)
Sensitization: Non-sensitizing (Guinea pig)

11. ECOLOGICAL INFORMATION

Product is moderately toxic to birds and fish.
Birds: Acute oral LD₅₀ for mallard ducks 190mg/kg.
Fish: LC₅₀ (24-96 h) for carp > 100mg/L.
Daphnia: LC₅₀ (3-6 h) > 1000mg/L

12. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal. Contamination with this product will render

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water, food or feed unfit for human or animal consumption. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If burned, stay out of smoke.

13. TRANSPORT INFORMATION

DOT/IATA/IMO:

UN No.: 1993

Proper shipping name: Liquids, n.o.s. (Contains Abamectin and Acetamiprid)

Class: 3

PG: II

Do not transport with food and feedstuffs.

14. REGULATORY INFORMATION

Hazard symbol Xn

Risk Phrases

R 22: Harmful if swallowed

R 52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

S Phrases

S 1/2: Keep locked up and out of the reach of children

S 36/37/39: Wear suitable protective clothing

S 45: In case of accident or if you feel unwell, seek medical advice immediately

S 60: This material and its container must be disposed off as hazardous waste

S-61: Avoid release to the environment. Refer to special instructions/ safety data sheets

15. OTHER INFORMATION

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification.

The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein.

Supplier makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.
