

66222-35

09/25/2001

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**OFFICE OF PESTICIDE PROGRAMS**  
 1200 Pennsylvania Avenue N.W.  
 Washington, DC 20460-0001

EPA Reg. Number  
 66222-35

Date of Issuance

SEP 25 2001

Term of Issuance  
 Conditional

Name of Pesticide Product  
 Rimon®10 EC

**NOTICE OF PESTICIDE**

☒ Registration  
☐ Reregistration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Makhteshim-Agan of North America, Inc.  
 551 Fifth Ave, Suite: 1100  
 New York, NY 10176

Not to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA sec. 4.
2. Replace "EPA Reg. No. 66222" with "EPA Reg. No. 66222-35 57" on page 1 of the draft label.
3. Within two years of registration of this product, submit the following studies on the technical Novaluron:
  - a. A 90-day inhalation toxicity study in rats to further characterize the inhalation risk assessment

continued ....

Signature of Approving Official:

*Deborah McCall*

Deborah McCall

Date:

9-25-2001

for the greenhouse use. There is a concern for exposure by inhalation route during repeated applications on the same day and on multiple days in a commercial setting.

- b. Two mutagenicity studies as confirmatory data to the five mutagenicity studies submitted and reviewed by the Agency. The two required studies are an *in-vitro* mammalian cell gene mutation assay and an *in-vivo* cytogenetics (i.e., micronucleus) assay. These two studies also will complete the mutagenicity data requirement for a new active ingredient.

A stamped copy of the draft label is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment. If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of the product for shipment constitutes acceptance of these conditions. Should you have any questions, do not hesitate to contact the Regulatory Manager for this product, Mr. Suku Oonnithan at 703-605-0368.

Sincerely,



Deborah McCall, Acting Chief,  
Insecticide Rodenticide Branch  
Registration Division (7505C)

Encl.



10 EC  
Novaluron Insecticide

10% Emulsifiable Concentrate Insect Growth Regulator  
For Control of Insect Pests on Container Grown Ornamentals in Greenhouses.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

SEP 25 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of registration, under FIFRA, the following pesticide is being registered: 66225-35

ACTIVE INGREDIENT: novaluron:	% BY WT.
1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-	
3-(2,6-difluorobenzoyl)urea*	10%
INERT INGREDIENTS:	90%
	<b>TOTAL 100%</b>

\*Contains 0.83 lbs. novaluron per gallon.

## KEEP OUT OF REACH OF CHILDREN

### WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### FIRST AID

- |                         |  |
|-------------------------|--|
| IF IN EYES:             | <ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| IF SWALLOWED:           | <ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul> |
| IF INHALED:             | <ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>  |

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### NET CONTENTS 1 GALLON

EPA Reg. No. 66222-xx  
EPA Est. No. 11678-IS-01

Makhteshim-Agan of North America, Inc.  
551 Fifth Avenue, Suite 1100  
New York, NY 10176

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or Viton
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or Viton
- Shoes plus socks
- Protective eyewear

### GENERAL INFORMATION

Rimon provides an effective means for controlling whiteflies, thrips, leafminers, armyworms and certain other foliar feeding insects in greenhouses. Rimon can be applied as a foliar spray to control immature stages of the target pests.

For best results, read all directions and recommendations thoroughly. Consult your local agricultural specialist for the spray schedule best suited to your conditions.

**CHEMIGATION STATEMENT:** Do not apply this product through any type of irrigation system.

**NOTE:** The compatibility of Rimon with concurrent releases of insects for biocontrol of plant pests has not been established. When used as directed, Rimon affects developing immature stages of insects by disrupting the molting process. Consequently, fully developed adult stages of pest and beneficial species are not affected.

**MIXING INSTRUCTIONS:** Prepare solution concentrations in a clean, empty spray tank. Use clean spray filters. Add water to 1/3 level of tank. Add the appropriate amount of Rimon to the tank and agitate to insure proper mixture. Continue filling tank with water until desired dilution is achieved. Shake or reagituate spray tank before use if application is interrupted. Make up only the amount of application volume as required. Dispose of any unused spray material at the end of each day according to the instructions found in the STORAGE AND DISPOSAL section of this label.

**TANK MIXING:** Rimon may also be used in tank mixtures. Test compatibility of the intended tank mixture before adding Rimon to the spray or tank mix. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redisperse indicates an incompatible mixture that should not be used. Add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. If tank mixing with other products, especially soluble fertilizers containing nitrogen or boron, allow products packed in water soluble bags to dissolve first. Read and observe label directions of all products used in the tank mix before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply. Tank mixtures are permitted only in those states where the tank mix partner is registered.

**SPRAY COVERAGE:** All parts of the crop must receive uniform spray coverage or else desired result may not occur. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Rimon is an insecticide for control of certain foliar insect pests on container grown ornamentals in greenhouses. Rimon may be applied alone or in rotation with other insecticides. The primary mode of action is by disrupting cuticle formation and deposition occurring when insects change from one developmental stage to another resulting in death at molting. Due to this mode of action, Rimon has no effect on adult stages of insects that have completed all of the successive molts through larval or nymphal stages of development.

**FOLIAR FEEDING AND SUCKING INSECTS CONTROLLED BY RIMON:**

<b>Whiteflies, such as:</b>	Greenhouse Whitefly	Silverleaf Whitefly	Sweetpotato Whitefly
<b>Thrips, such as:</b>	Citrus Thrips	Flower Thrips	Gladiolus Thrips
	Western Flower Thrips		
<b>Leafminers, such as:</b>	Citrus Leafminer	Serpentine Leafminer	
<b>Armyworms, such as:</b>	Beet Armyworm	Lawn Armyworm	Yellow Striped Armyworm
	Fall Armyworm	Southern Armyworm	

**WHITEFLIES, THRIPS, LEAFMINERS AND ARMYWORMS:**

Mix 3 to 12 ozs. of Rimon in 100 gals. of water and apply as a spray to the foliage through conventional spray equipment. One gallon of finished spray will treat 200 sq. ft. of greenhouse bench area. When pest population pressure is high, use the higher label rates. Consult your local Rimon agricultural specialist for information about tank mixing Rimon with agrochemical products registered for use on the treated crop.

**RESISTANCE MANAGEMENT:** Rimon is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program. To reduce selection pressure for resistant pests:

- Do not use Rimon in successive applications. Use only one application of Rimon before rotation with other classes of insecticides with different modes of action.
- Use at least two alternative products between applications of Rimon.
- For management of pests with short life cycles such as whiteflies and thrips, do not use Rimon more than once within each generation cycle.
- Always apply Rimon at the recommended rates and according to label directions. Do not use less than recommended label rates alone or in tank mixtures.
- Use Rimon as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin Rimon applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, spray applications should thoroughly wet the undersides of leaves when whiteflies and thrips are present.

**USE RESTRICTIONS:**

- Do not apply Rimon more than once every 30 days.
- Do not make more than two (2) applications of Rimon per crop per year.
- Do not apply more than 52 fl. oz. of Rimon per acre per year per crop.

**PLANT TOLERANCE:** Neither the manufacturer nor the seller has determined whether Rimon can be used safely on all ornamental plants. Before any large-scale application, the user should determine the safety of Rimon by testing a small number of the type of plants to be treated at the recommended rates and under the desired growing conditions. Observe the treated plants for symptoms of phytotoxicity, which may occur as interveinal chlorosis and/or marginal necrosis on sensitive plants. The user assumes all risks arising out of application to untested plants.

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#### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities. If burned, stay clear of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

#### WARRANTY STATEMENT

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

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Rimon 10EC (to EPA 9-17-01)