

4787-51

03-29-2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

3/29/2012

Carrie M. Takema  
Cheminova, Inc.  
One Park Drive, Suite 150  
Research Triangle Park, NC 27709

re: Abamectin Technical, EPA Reg. # 4787-51  
label amendment: update sites (D# 461200)  
submitted 2/3/2012, revised 3/23/2012, 3/27/2012, 3/28/1012  
accepted

Dear Ms. Takema:

This label amendment updates the format of the technical label by specifying the current list of sites for which this product can be used to formulate end-use products. The revised labeling referenced above submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is ACCEPTABLE.

Per 40 CFR 156.10(a)(6), submit one copy of your final printed labeling before you release the product for shipment. As defined in 40 CFR 152.3, "final printed labeling" means the "label or labeling of the product when distributed or sold." Clearly legible reproductions or photo reductions will be accepted for unusual labels. Note that a clean copy of the master label in most cases does not meet the definition of final printed labeling. If this provision is not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

A copy of the label stamped "accepted" is enclosed for your records. If you have any questions please contact Tom Harris at (703) 308-9423 or [harris.thomas@epa.gov](mailto:harris.thomas@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "John D. Hebert", written over a large, stylized flourish.

John D. Hebert  
Product Manager (07)  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

enclosure

# CHEMINOVA ABAMECTIN TECHNICAL

For formulation into end-use insecticide/miticide/nematicide products intended for specified indoor and outdoor non-domestic food and non-food uses

ACTIVE INGREDIENT:	
Abamectin	92.1%
Other Ingredients:	7.9%
Total:	100.0%

EPA Reg. No. 4787-51

EPA EST NO.:

## 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.)

**IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950.**

See additional precautionary statements on label.

MANUFACTURED BY  
CHEMINOVA - LEMVIG - DENMARK  
PHONE +45 96 90 96 90 TELECOPIER +45 96 90 96 91  
Product of Denmark

**ACCEPTED**  
**3/29/2012**  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under: EPA Reg. No. 4787-51

FIRST AID	
<b>IF SWALLOWED:</b>	-Call a poison control center or doctor immediately for treatment advice. -Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
<b>IF ON SKIN OR CLOTHING:</b>	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.
<b>IF INHALED:</b>	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. -Call a poison control center or doctor for further treatment advice.
<b>IF IN EYES:</b>	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-866-303-6950 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of the technical product can be minimized by vomiting within one-half hour of exposure; rapidly after exposure (< 15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbituates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

May be fatal if swallowed or inhaled. Do not breathe dust. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Keep away from food, drink, and animal feeding stuffs. The following protective clothing must be worn during all handling and formulation operations: Airline mask or air supplied hood, chemical-resistant goggles and gloves, full body garments with shoe protectors and head cover. Disposable clothing is recommended.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is for the formulation of insecticide baits and agricultural insecticide/miticide spray formulations and is not for resale under this label.

**Instructions to Formulators**

Formulators using this product are responsible for obtaining Environmental Protection Agency registration for their formulated products.

This technical product may be used only for formulation into end-use insecticide/miticide/nematicide products for the uses listed below:

1. Agricultural Crops  
(Terrestrial Food Crops)
  - apples, avocados, celeriac, citrus fruit crop group 10, citrus orchard floor, cotton, cucurbit vegetables crop group 9, dry beans, fruiting vegetables (except cucurbits crop group 8), herb subgroup 19A, hops, leafy vegetables (except *Brassica* crop group 5), mint (peppermint and spearmint), onion, bulb crop subgroup 3-07A, pears, pistachios, stone fruit crop group 12, strawberries, tuberous and corm vegetables subgroup 1C, and tree nuts crop group 14  
(Terrestrial Non-Food Crop Use)
  - Alfalfa grown for seed
2. Agricultural premises not accessible to livestock and around equipment (Indoor Non-Food, Terrestrial Non-Food)
  - Around barns, chicken houses, and agricultural equipment
3. Commercial and Industrial Use (Indoor, Terrestrial Non-Food)
  - In and around commercial, institutional, and industrial premises such as warehouses, hotels, motels, resorts, apartment buildings, food storage areas, meat packing and food processing plants, food handling establishments, supermarkets, restaurants, non-patient occupied areas of hospitals and nursing homes, schools, commercial transportation equipment such as buses, boats, ships, trains, aircraft except aircraft cabins, utility conduits, and utility boxes
4. Household (Domestic Indoor and Outdoor Use)
  - In and around residential building such as homes, apartments, garages, sheds, storage buildings, and other household and domestic structures.
5. Ornamental Plants (Terrestrial Non-Food, Greenhouse Non-Food)
  - Ornamental herbaceous plants, ornamental woody shrubs and vines, ornamental and/or shade trees, ornamental non-flowering plants, and Christmas tree plantations
6. Turf and Other Outdoor Areas (Domestic Outdoor, Terrestrial Non-Food)
  - Ornamental lawns and turf, commercial sod farms, golf courses. Non-cropped areas such as landscapes, recreation areas such as fairgrounds, race tracks, tennis courts, and parks
7. Other Uses
  - Uses for which the USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label.
  - Uses for experimental purposes that are in compliance with the USEPA's requirements.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed, by storage or disposal.

### **Pesticide Storage**

Store Cheminova Abamectin Technical in a cool, dry area inaccessible to children and pets.

### **Pesticide Disposal**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Container Handling**

#### **Fiber Drums with Polymer (plastic bag)**

Non-refillable container. Do not reuse or refill this container. Completely empty liner into mix tank or repackage container. Then dispose of liner in a sanitary landfill or by any other procedures approved by state and local authorities. If drum is contaminated, dispose of it in the manner required for its liner.

#### **Plastic or Metal Containers**

Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or dispose of by any other procedures approved by state and local authorities.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Suitable protective equipment should be worn during any spill cleanup operation (see Precautionary Statements). Carefully collect and containerize spilled material in a manner that produces the least amount of airborne dust. Residual surface material may be removed with towels moistened with methanol. Take care to avoid contamination of equipment and facilities during clean up and disposal of wastes.

### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following warranty disclaimer, inherent risks of use and limitation of remedies.

### **WARRANTY DISCLAIMER**

Cheminova warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CHEMINOVA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**INHERENT RISKS OF USE**

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Cheminova or the seller. All such risks shall be assumed by the Buyer.

**LIMITATION OF REMEDIES**

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Cheminova's election, one of the following:

- 1) Refund of purchase price paid by buyer or user for product bought, or
- 2) Replacement of amount of product used.

Cheminova shall not be liable for losses or damages resulting from handling or use of this product unless Cheminova is promptly notified of such loss or damage in writing. In no case shall Cheminova be liable for consequential or incidental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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