

4787-9

7-31-1986

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A/S Cheminova  
150 Meadowland Parkway  
Secaucus, NJ 07094

Gentlemen:

Subject: Chemathoate 267EC  
EPA Registration No. 4787-9  
Your Application Dated June 30, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Under sorghum add the restriction "Do not apply after harvest."
  - b. Revise the preharvest interval for cabbage to read "7 days."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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If these conditions are 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 these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure

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STOP! READ THE LABEL

# CHEMATHOATE<sup>®</sup> 267 E. C.

## SYSTEMIC INSECTICIDE

ACTIVE INGREDIENT: Chemathoate (O, O-Dimethyl S-(N-(methylcarbamoyl)methyl) phosphorodithioate) ..... 30.5%  
Equivalent to 267 lbs per Gallon

INERT INGREDIENTS: ..... 69.5%

TOTAL 100%

EPA Reg. No.: 4787-9

KEEP OUT OF REACH OF CHILDREN

### WARNING

#### AVISO!

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
(TO THE USER: if you cannot read English, do not use this product until the label has been fully explained to you.)

#### STATEMENT OF PRACTICAL TREATMENT

**FIRST AID:** In case of poisoning, call a physician or Poison Control Center immediately. Have patient lie down and keep quiet.

**If swallowed** and victim is awake (conscious) make him vomit quickly. Have victim drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Repeat until vomit is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Have victim lie down and keep quiet. Get medical attention.

**If in eyes:** Flush with water for at least 15 minutes and get medical attention.

**If on skin,** remove contaminated clothing and wash skin immediately with plenty of soap and water. Get medical attention.

**If inhaled:** Remove victim to fresh air. If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Product of Denmark

NET WEIGHT:

MANUFACTURED BY

# A/s CHEMINOVA - LEMVIG - DENMARK

PHONE: (07) 83 41 00 . TELEX: 66514 . TELECOPIER: (07) 83 4555

EPA Est. No.: 4787-DN-1

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## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

#### HAZARDS TO HUMANS

May be fatal if swallowed or inhaled. Harmful if absorbed. May cause irritation of eyes, nose, throat and skin. Do not get in eyes, on skin or on clothing. Do not breath vapor. Wear protective clothing, rubber gloves and a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash it before reuse.

#### Required Clothing & Equipment for Application:

All applicators, including homeowners, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

- a. Impermeable gloves (for example, rubber or plastic covered reinforced gloves).
- b. Boots or boot covers.
- c. Long-sleeved shirt and long pants.
- d. Wide-brimmed hat.
- e. Respirators must be worn by flaggers and mixer/loaders.

#### Aerial Application:

AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE. IF HUMAN FLAGGERS ARE EMPLOYED THEY MUST WEAR THE PROTECTIVE CLOTHING AND RESPIRATOR SPECIFIED ON THIS LABEL.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply when weather conditions favor drift from areas treated. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes. For further guidance contact the nearest EPA Regional Office.

This product is toxic to bees exposed to direct treatment or residues on crops. Do not apply when bees are actively visiting the area. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Apply only this product as specified on this label.

## NOTE TO PHYSICIAN

Antidote: administer atropine sulfate in large doses. TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 or 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life-saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Dimethoate is a cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and relaps have been reported after initial improvement; VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

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**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

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

**Storage:** Store in a secure, cool, dry place and keep container tightly closed. Dimethoate is stable for a long period when stored under temperatures not exceeding 20/23°C (68/74°F). Dimethoate should not be heated above 35°C (95°F). At higher temperatures dimethoate will decompose rapidly.

**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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container disposal:** 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.

**FARM WORKER SAFETY**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until spray has dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "WARNING. Area treated with Dimethoate on (date of application). Do not enter without appropriate protective clothing until spray has dried."

**AGRICULTURAL USES**

CHEMATHOATE 267 E.C. is a clear liquid. When added to water, it will disperse readily and will remain physically stable with a minimum amount of agitation.

CHEMATHOATE 267 E.C. is a formulated insecticide whereby repeated application on crops listed will control certain insect infestation. Consult your State Experimental Station or State Extension Service for proper timing of application.

**Application equipment:** This product can be applied by any pressure sprayer that will give uniform distribution of the spray such as ground sprayers, aerial sprayers or portable sprayers.

**Ground application:** Apply in sufficient water for good coverage unless otherwise stated. Avoid drift to adjacent crops.

**Aerial application:** Apply in 3 to 10 gals. of water per acre. Avoid drift to adjacent crops.

CROP	INSECT	RATE	DAYS TO HARVEST or GRAZING and COMMENTS
<b>Fruit crops</b>			
Apples Pears (bearing & non-bearing)	Aphids Leafhoppers Pears Psylla Mites (except rust mites)	0.75-1.5 pints per 100 gals. of water	28 days. Do not apply during bloom period. Grazing livestock in treated orchards is not allowed
Lemons Oranges Grapefruit Tangerines	Aphids	Ground equipment: 0.75-1.5 pints per 100 gals. water. Apply as an outside coverage spray. Aircraft equipment: 3-6 pints per acre in 15-20 gals. water.	15 days. Do not apply during bloom period. Make no more than 2 applications to mature fruit. Do not use on seedling. Do not enter treated groves within 4 days of last application. Grazing livestock in treated orchards is not allowed.
	Mites (except rust mites)	Ground equipment: 0.75-1.5 pints per 100 gals. water. Apply as a thorough distribution coverage spray.	
	Scales (except black or snow)	Ground equipment: 1.5-2.25 pints per 100 gals. water. Apply as a thorough distribution coverage spray.	45 days. Do not apply during bloom period. Make no more than 2 applications to mature fruit. Do not use on seedling. Do not enter treated groves within 4 days of last application. Grazing livestock in treated orchards is not allowed.
	Trips	Ground equipment: 0.75-1.5 pints per 100 gals. water. Apply as a mist spray. Aircraft equipment: 3-6 pints per acre in 15-20 gals. water.	15 days. Do not apply during bloom period. Make no more than 2 applications to mature fruit. Do not use on seedling. Do not enter treated groves within 4 days of last application. Grazing livestock in treated orchards is not allowed.
	Whiteflies	Ground equipment: 0.5 pints per 100 gals. water. Apply as a thorough distribution coverage spray.	

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CROP	INSECT	RATE	DAYS TO HARVEST or GRAZING and COMMENTS
Fruit crops	(continued)		
Citrus (non-bearing)(Arizona & California)	Thrips Aphids	Foliar spray: 1.5 pints per 100 gals. water. Repeat application as necessary. Soil drench: For trees 1-3 years old apply 3 quarts per acre in the furrow or soil ring around the base of the tree.	Do not enter treated groves within 4 days of last foliar application. Use only on non-bearing trees. Nursery stock application should not be made in the year trees begin to bear fruit. Grazing livestock in treated orchards is not allowed.
Nuts			
Pecans	Aphids Mites Leafhoppers	Ground equipment only: 1 pint per acre.	21 days. Grazing livestock in treated orchards is not allowed.
VEGETABLE CROPS			
Beans (green, lima, snap, dry)	Aphids Leafhoppers Leaf miners Mites Lygus bugs	0.75-1.5 pints per acre.	1 day. Do not feed treated vines.
Broccoli Cauliflower	Aphids		7 days.
Cabbage			3 days.
Head lettuce	Aphids Leafhoppers Leaf miners	0.75 pint per acre.	7 days.
Leaf lettuce Spinach Collards Kale Turnip (greens & roots) Mustard greens Swiss Chard Endive (escarole)			14 days.
Melons (except watermelons)	Aphids Leafhoppers Leaf miners Trips	1.5 pints per acre.	3 days.
Peas	Aphids	0.5 pint per acre.	1 day. Make no more than 1 application per season. Do not feed or graze hay within 21 days after application when a stationary viner is used. Do not feed or graze when a mobile viner is used.

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CROP	INSECT	RATE	DAYS TO HARVEST or GRAZING and COMMENTS
VEGETABLE CROPS (continued)			
Peppers	Aphids Leaf miners Maggots	0.75-1.5 pints per acre.	1 day.
Potatoes Tomatoes Watermelons	Aphids Leafhoppers Leaf miners		7 days.
FIELD CROPS			
Alfalfa (grown for hay)	Aphids Leafhoppers Lygus bugs Grasshoppers Reduction of alfalfa Weevil Larvae	0.75-1.5 pints per acre.	28 days. Do not apply in the bloom period. Make no more than 1 application per season. Only effective on cutting to which applied.
Alfalfa (grown for seed)			Do not apply in the bloom period. Do not feed livestock on treated crops, threshings or hay treated less than 28 days before harvest or pasture stubble sooner than 10 days after treatment.
Cotton (grown in Arizona & California)	Black fleahoppers Leafhoppers Lygus bugs Thrips		14 days. Do not repeat applications within 14 days. Do not apply more than 2 applications per season at the 1.5 pint rate. Do not feed treated forage or graze livestock on treated fields.
Cotton (Early Season)	Aphids Fleahoppers Mites Thrips	0.33-0.67 pints per acre.	14 days. Do not repeat applications within 14 days. Do not feed treated forage or graze livestock on treated fields.
	Lygus bugs	0.67 pints per acre.	
Cotton (Oklahoma & Texas)	Fleahoppers	0.33-0.67 pints per acre.	
Field Corn	Hanks Grass Mites (excluding Trans Pecos area of Texas)	1-1.5 pints per acre broadcast by air. Spray over the foliage when mites appear. Apply in a ratio of 1 part CHEMATHOATE 267 E.C. in 20 parts of water. Do not use less than 2.5 gals. per acre for the 1 pint rate and 3-3.75 gals. per acre for the 1.5 pint rate.	14 days. (Foraging) 42 days. (Grain) Apply as necessary. Make no more than 3 applications per year.

CROP	INSECT	RATE	DAYS TO HARVEST or GRAZING and COMMENTS
FIELD CROPS (continued)			
Safflower (grown in Arizona & California)	Aphids Leafhoppers Lygus bugs Thrips	0.75-1.5 pints per acre.	14 days. Do not repeat applications within 14 days. Make no more than 3 applications per season at the higher rate.
Sorghum (Milo)	Aphids	0.75-1.5 pints per acre. Ground application: Apply above rates in 25-40 gals. of water per acre. Aerial application: Apply above rates in a ratio of 1 part CHEMATHOATE 267 E.C. in 20 parts of water as follows: Rate of minimum gallons CHEMATHOATE 267 E.C., water, per acre: 0.75 pt 2 gal 1 pt 2.5 gal 1.5 pt 3.75 gal Consult local extension agent for the proper timing of applications in your area.	28 days. Make 3 aerial applications or 3 ground applications as needed per season.
Wheat (grown in Kansas, Oklahoma, South Dakota and Texas)	Aphids (greenbug)	0.75-1 pint per acre.	14 days. Make no more than 2 applications per season.
	Brown Wheat Mite	0.5-0.67 pints per acre.	60 days. Make no more than 2 applications per season.

**NOTICE**

Seller's guarantee shall be 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 product on that condition.

\*CHEMATHOATE is a registered trademark of A/S CHEMINOVA, LEVING, DENMARK

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUL 31 1986

Under the Federal Insecticide, Fungicide, and Plant Disease Act as amended, this pesticide is registered under Reg. No.

4787-9