

**MAR 22 1993**

Ms. Christine A. Dively  
Jellinek, Schwartz & Connolly, Inc.  
1015 15th Street, NW  
Suite 500  
Washington, D.C. 20005

Dear Ms. Dively:

Subject: Revised Draft Labeling  
Methyl Parathion 4EC  
EPA Registration No. 4787-11  
Your Submission Dated January 12, 1993

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the following labeling change before you release the product for shipment bearing the amended labeling:

- In the Environmental Hazards section, revise the statement "Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes)" to reflect the Agency's current policy for label text referring to wetlands. The statement should read: "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

) Enclosure

)

# RESTRICTED USE PESTICIDE

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Due to very high acute toxicity to Humans and Birds  
For retail sale to and use only by certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

# METHYL PARATHION 4 EC

Approved with Comments in EPA Label dated

MAR 22 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide registered under EPA Reg. No.

4987-11

Emulsifiable Concentrate - An Agricultural Insecticide

ACTIVE INGREDIENTS:

45.64% 45.64%  
40, O-Dimethyl O-p-nitrophenyl diophosphate

INERT INGREDIENTS:

TOTAL 100.00%

\*Methyl Parathion

Contains 4 pounds of Methyl Parathion per gallon.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR, AND CLEANING OF APPLICATION EQUIPMENT, DISPOSAL OF PESTICIDE AND EARLY REENTRY INTO TREATED AREAS: protective suit of one or two pieces covering all parts of the body except the head, hands, and feet; chemical resistant gloves; chemical resistant shoes (or chemical resistant shoe coverings or chemical resistant boots); goggles or face shield; hood or wide brimmed hat; NIOSH approved respirator.

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: long-sleeve shirt; long-legged pants; chemical resistant gloves; chemical resistant apron; shoes and socks. Goggles or face shield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: long-sleeved shirt and long-legged pants; shoes and socks. Chemical resistant gloves must be available in the cab or cockpit and must be worn during entry to and exit from the application vehicle. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when exiting the cab into treated area. When used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag. REMEMBER—THIS CLOTHING IS INADEQUATE TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT AND EARLY REENTRY TO TREATED AREAS! REFER TO PROTECTIVE CLOTHING AND EQUIPMENT REQUIREMENTS ABOVE.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job—do not wear contaminated clothing. Personal clothing worn during work must be stored and laundered separately from protective clothing and household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirator. Protective clothing and protective equipment heavily contaminated or drenched with methyl parathion must be destroyed according to state and local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED DURING AERIAL APPLICATION. HUMAN FLAGGERS ARE PROHIBITED.

KEEP OUT OF REACH OF CHILDREN

DANGER  
PELIGRO



POISON

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

DANGER—POISON—PRECAUTIONS



**CAN KILL YOU IF SWALLOWED**  
This product can kill you if swallowed even in small amounts; spray mist may be fatal if swallowed.



**CAN KILL YOU BY SKIN CONTACT**  
This product can kill you if touched by hand or spilled or splashed on skin in eyes or on clothes (liquid goes through clothes).



**CAN KILL YOU IF BREATHED**  
This product can kill you if vapor, spray mist are breathed.

NET CONTENTS: 5 GALLONS

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

WORKER SAFETY RULES

The National Pesticide Telecommunication Network is available for recommendations regarding poisoning management, emergency treatment, and other information regarding the toxicity of methyl parathion. The toll free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock, and pets away from treated area or where there is danger of drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid (Statement of Practical Treatment) section.

HANDLE THE CONCENTRATE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes, shoe coverings, or boots. Wear goggles or a face shield. Wear a pesticide respirator approved by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

### POISON SIGNS (Symptoms)

Methyl Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

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# METHYL PARATHION 4 EC

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## STATEMENT OF PRACTICAL TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to methyl parathion and describe his condition. After first aid is given and if a doctor cannot come, take victim to clinic or hospital.

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

If swallowed — Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

In case of contact, immediately flush eyes or skin with plenty of water while removing contaminated clothing and shoes. See doctor immediately.

### 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 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Methyl Parathion is a strong 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 fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

### ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates and wildlife. Birds in treated areas may be killed. Shrimp and other aquatic organisms may be killed at recommended application rates. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes), unless otherwise permitted in Directions For Use. Runoff and drift from target areas may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

### COMBUSTIBLE

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

### DIRECTIONS FOR USE

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

### REENTRY

Reentry into treated fields is prohibited for 48 hours after application, unless all protective clothing and equipment required for early reentry as described elsewhere on the label are worn.

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

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. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers.

Written or oral warnings must include the following information:

#### DANGER

(Insert area or field description) treated with methyl parathion on (insert date of application.) Reentry into treated field is prohibited for 48 hours after application, unless all protective clothing and equipment required for early reentry are worn.

In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to methyl parathion and describe his condition. For further information see the STATEMENT OF PRACTICAL TREATMENT portion of the pesticide label.

### STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below 50° F. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment listed under "PRECAUTIONARY STATEMENT" when handling open containers.

SPILLED MATERIAL: Block or dam to prevent spreading of spill. Cover with absorbent material such as lime, clay or sawdust. Scoop and sweep into a disposable container. Wash area with strong lye solution, absorb and place into a disposable container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or dilute 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 DISPOSAL: Metal: 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. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### DIRECTIONS

Be sure to read the precautionary statements before using! This product is designed for application after dilution with water and for use by trained operators using airplane or power ground equipment. The hazards and precautions for handling the product in this container are equally applicable to it after dilution with water for spray application. Add the concentrate to the spray tank while filling with water, and mix thoroughly either by means of a tank agitator or pump by-pass. For best results, thoroughly cover all surfaces to be treated with spray. Rates of application given below should not be exceeded. Never apply later than indicated to assure residue levels at harvest are below tolerances established by the Environmental Protection Agency. Consult the State Agricultural Experiment Station or Experiment Station for specific recommendations regarding application, dosage and timing of sprays. For application by ground equipment, add the desired amount of concentrate to sufficient water to apply at least 3 gallons of water per acre. For application by aircraft, add the amount of concentrate desired per acre to 1 to 3 gallons of water consistent with crop growth and good coverage.

Do not use in undiluted form.

Do not apply this product through any type of irrigation system.

### CEREAL INSECTS

BARLEY, OATS, RYE AND WHEAT — For barley thrips, use 1/2 to 3/4 pints per acre. For aphids, black grass bugs, stink bugs and winter grain mites, use 1/2 to 1 1/2 pints per acre. For climbing cutworms and grasshoppers use 3/4 to 1 pint per acre. For armyworms and leafhoppers use 2 1/2 pints per acre. For chinch bugs, false chinch bugs and Sey's plant bugs, use 1 1/2 pints per acre. For western or brown wheat mites and grasshoppers, use 1 pint per acre. Do not use more than 1/2 pint per acre within 15 days of harvest.

CORN — For control of armyworms, climbing cutworms, corn leaf aphids, corn rootworm adults, fall armyworms and stink bugs, use 1/2 pint per acre. For grasshoppers, use 1 pint per acre. Do not apply within 12 days of harvest. Do not apply during the pollen shed period.

RICE — For rice stink bugs, use 1 to 1 1/2 pints per acre. For grasshoppers, use 1 pint per acre. Do not apply within 15 days of harvest or within 14 days before or after a preplant application. Shrimp, crabs and crayfish may be killed. Do not apply where these are important resources.

### FIELD AND FORAGE CROPS

ALFALFA AND CLOVER — For control of alfalfa weevil larvae, aphids (including spotted alfalfa aphids) and climbing cutworms and grasshoppers, use 1/2 to 1 pint per acre. For alfalfa caterpillars, alfalfa beetle weevils, armyworms, clover leaf weevils and webworms, use 1 pint per acre. For Egyptian alfalfa weevil, leafhoppers, Lygae bugs and spider mites, use 1 to 2 pints per acre. Do not treat closer than 15 days before harvest, cutting, or grazing. In California and Nevada do not use more than 1/2 pint per acre. Do not apply to alfalfa if the crop or weeds in the treatment area are in bloom.

COTTON — For control of thrips, use 1/4 to 1/2 pint per acre. For cotton leafworms use 1/2 to 6 pints per acre. For grasshoppers and fall armyworms, use 1/2 to 6 pints per acre. For boll weevils, aphids and garden webworms, use 1/2 to 6 pints per acre. For leaf chinch bugs use 2 pints per acre. For cutworms, use 1 to 2 pints per acre.

For bollworms, cottonworm caterpillars, armyworms, cotton leaf perforators and stink bugs, use 2 1/2 to 6 pints per acre. Applications should be made at 4 to 5 day intervals until control is obtained. At above dosages, application may be made up to the day before harvest, if harvest will be with mechanical pickers.

DANGER — When necessary to enter treated cotton fields within 48 hours after application, protective clothing and equipment must be worn. Do not apply within 7 days of handpicking cotton.

GRASS (Forage) — For range caterpillar use 1 pint per acre. For control

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of armyworms, crested wheat bugs, false chinch bugs, grasshoppers and leafhoppers, use 1 1/2 pints per acre. Do not apply within 15 days of harvest or grazing.

**SOYBEANS** — For control of climbing cutworms, three-corned alfalfa hoppers, garden webworms, aphids, blister beetles, Mexican bean beetles, stink bugs, two spotted mites and velvet bean caterpillars, use 2/3 to 2 pints per acre. For bollworms, fall armyworms and green cloverworms, use 1 quart per acre. Do not apply closer than 20 days before harvest or grazing.

**SUGAR BEETS** — For armyworms, cutworms, fall armyworms, flea beetles, grasshoppers, leafhoppers, mites, sugar beet webworms, use 1/2 to 2/3 pint per acre. Do not apply within 20 days of harvest; 60 days if tops are to be fed to animals.

**VETCH** — Alfalfa weevil (larvae) - Apply 1/2 to 1 pint per acre. Apply when 75% of terminals show feeding, when buds and shoots appear ragged or when the 1st: vee counts reach 25 per sweep. Aphids, leafhoppers - Apply 1/2 to 1 pint per acre. Climbing cutworms, Lygus bugs, Vetch bruchid - 1 pint per acre. Armyworm - 1/2 to 2 1/2 pints per acre. DO NOT apply within 15 days of harvest through 2 pints. DO NOT apply within 20 days of harvest from 2 pints through 2 1/2 pints.

## OIL SEED CROPS

**SUNFLOWERS (30)** — For sunflower moth, sunflower maggot and sunflower seed weevil, use 2 pints per acre. Do not apply more than 3 times at 5-day intervals per season. Do not feed seeds to birds. Do not apply within 30 days of harvest.

## VEGETABLES

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 8 DAYS BEFORE HARVEST.

**POTATOES** — For control of aphids, armyworms, false chinch bugs, flea beetles, leafhoppers, mites and shield bugs, use 1 1/2 quarts per acre.

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 7 DAYS BEFORE HARVEST.

**BROCCOLI** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**BRUSSELS SPROUTS** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**CAULIFLOWER** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 10 DAYS BEFORE HARVEST.

**CABBAGE** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**COLLARDS, KALE AND MUSTARD** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**PEAS** — For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs and mites, use 1 to 2 pints per acre. For cowpea curculio, surface feeding and climbing cutworms and stink bugs, use 2 pints per acre. Rates above 1 pint should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

**PEAS (Dry and Green)** — For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs and mites, use 1 to 3 pints per acre. For cowpea curculio, surface feeding and climbing cutworms and stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest. Rates up to 1 pint should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

**CARROTS** — For control of aphids, armyworms, surface feeding and climbing cutworms, flea beetles, leafhoppers and mites, use 1 quart per acre. Do not feed tops.

**CELERY** — For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs, mites and stink bugs, use 1 quart per acre.

**ONIONS** — For control of thrips, use 1 pint per acre.

**SPINACH** — For control of aphids, armyworms, flea beetles, leafhoppers, mites, seed corn maggots in crown and crown mites, use 1 to 2 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**TURNIPS** — For control of aphids, armyworms, flea beetles, leafhoppers, leafminers and mites, use 1 to 1 1/2 pints per acre. If tops are to be used for food or feed do not apply closer than 21 days before harvest.

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 21 DAYS BEFORE HARVEST.

**LETTUCE** — For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 quart per acre.

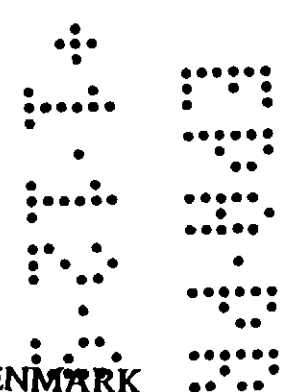
## NOTICE

Because Cheminova Agro A/S has no control over storage, handling, and conditions of use, which are of critical importance, Cheminova Agro A/S makes no representation or warranty, either express or implied, for results or residues greater than any tolerance which may be established by appropriate governmental agencies, due to misuse, improper handling or storage of this material. Nor does Cheminova Agro A/S assume any responsibility for injury to persons, crops, animals, soil or property arising out of misuse, improper handling or storage of this material.

## ATTENTION

Do not use in any manner other than recommended on this label. To avoid excessive residues of methyl parathion on food or forage crops, always observe the statements found under "Directions for Use," limiting the time before harvest when methyl parathion may be applied.

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PRODUCT OF DENMARK  
MANUFACTURED BY:

**CHEMINOVA AGRO A/S**

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