

PM-19

Reg # 67760-2

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

67760-2

Date of Issuance:

JUL 05 1995

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

Term of Issuance: Until Reregistration

Name of Pesticide Product:

Cheminova  
Malathion-  
Methoxychlor Spray

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Cheminova, Inc.  
1700 Route 23, Suite 210  
Wayne, NJ 07470

Notes: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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

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)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase EPA Registration No. "67760-2" to your label before you release the product for shipment.

Signature of Approving Official:

DHE

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

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4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Sincerely,

DHE

Dennis H. Edwards, Jr.  
Product Manager 19  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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# CHEMINOVA

## MALATHION - METHOXYCHLOR

### SPRAY

374  
ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUL 05 1995

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

67760-2

ACTIVE INGREDIENTS:	BY WEIGHT
Methoxychlor: 1,1,1-trichloro-2, 2-bis(p-methoxyphenyl) ethane .....	24.0%
Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate .....	24.0%
INERT INGREDIENTS:** .....	52.0%
TOTAL	100.0%

\*\*Contains xylene range aromatics.

(Contains 2 lbs. Malathion and 2 lbs. Methoxychlor per gallon)

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

See Below for Additional Precautionary Statements

NET CONTENTS: \_\_\_\_\_ GALLONS

EPA Reg. No. 67760 - ~~2~~ EPA Est. No. 39578-TX-1

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment 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.

#### PHYSICAL HAZARDS

Do not use or store near heat or open flame.

#### STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If On Skin: Remove contaminated clothing and wash affected areas with plenty of soap and water.

If In Eyes: Flush with plenty of water. Call a physician if irritation persists.

Note to Physician: This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

#### 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 through any type of irrigation system.

Apply MALATHION METHOXYCHLOR SPRAY at recommended rates with ground or aerial equipment to thoroughly cover foliage and fruit. Mix MALATHION METHOXYCHLOR SPRAY in water using the appropriate volume of water for equipment to be used (for example, 3 to 20 gallons of water per acre for aircraft or ground concentrate sprayers and greater amounts for high volume sprayers).

Begin application at first sign of infestation (for fruits, begin at petal fall unless otherwise specified) and repeat at 7-14 day intervals or as

needed. Do not apply within the number of days to harvest as indicated in ( ) immediately following each crop.

#### REENTRY STATEMENT

Do not enter or allow entry into treated areas until sprays have dried to perform hand labor tasks. A person may enter the area to perform other tasks only if the person is wearing the personal protective equipment listed on the label for a pesticide handler.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers wearing long pants, long sleeved shirts, socks, shoes and chemical resistant gloves may be in the area during application.

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. 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:

#### CAUTION

(Insert area or field description) treated with Malathion, Methoxychlor on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Malathion, Methoxychlor and describe his condition.

#### 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:** 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. Do not store below temperature of 32° F. Personnel should use clothing and equipment consistent with good pesticide handling.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 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.

#### RECOMMENDATIONS FOR USE

**ALFALFA (7), CLOVER (7):** To control Alfalfa Caterpillars, Alfalfa Weevils (Larvae), Fall Armyworms, Flea Beetles, Japanese Beetles, Leafhoppers, Lygus Bugs, Spittle-Bugs, apply at rate of 2-3 Qts./acre. Make full coverage application on foliage. Repeat as infestations warrant. Do not treat during bloom.

**BEANS (Dry & Succulent) (3):** Use 2 1/2 Qts./A for Aphids, Cucumber Beetles, Mexican Bean Beetle and Potato Leafhopper. Use 3 Qts./A for Flea Beetles, Japanese Beetles and Corn Earworm. Do not graze or feed treated cowpea vines or cowpea hay to livestock.

**BEETS (Garden & Table) (7) (14 if tops are used as food or feed):** Use 3 Qts./A for Blister Beetles and Flea Beetles.

**BLACKBERRY (14), BOYSENBERRY (14), DEWBERRY (14), LOGANBERRY (14), RASPBERRY (14):** Use 3 1/2 Qts./A on foliage as needed to control Aphids, Japanese Beetle, Rose Chafer, Rose Leafhopper, Rose

**CHEMINOVA MALATHION METHOXYCHLOR SPRAY**  
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**Scale and Strawberry Weevil.**

**BLUEBERRY (3):** Cherry Fruitworm—Use 1 Qt./A. Three applications at 10 day intervals beginning just after petal fall. Japanese Beetle—Use 2 Qts./A.

**BROCCOLI (14), BRUSSELS SPROUTS (14), CABBAGE (7), CAULIFLOWER (7), KALE (14), & KOHLRABI (7):** Use 2 1/2 Qts./A for Aphids and Flea Beetles. For Diamond Back Caterpillars, Cabbage Looper & Cross-Striped Cabbage Worm spray on foliage every 7 days, beginning when insects appear.

**CUCUMBERS (1):** Use 3 3/4 Pts./A to control Spider mites. Use 3 1/2 Qts./A for Cucumber Beetles and Aphids.

**CHERRIES (Sweet & Tart) (7):** Black Cherry Aphid—Use 1 Qt./100 gals. dilute spray when aphids appear about time buds are breaking, and 10-14 days later, or in summer. Lesser Peach Tree Borer—Use 2 Qts./100 gals. dilute spray to trunks and scaffold limbs four times at 3-week intervals, beginning with emergence in June. Cherry Fruitworm—Use 2 Qts./100 gals. dilute spray four weeks after petal fall. Cherry & Black Cherry Fruit Flies—Use 2 1/2 Pts./100 gals. dilute spray. Begin all treatments when first flies are trapped. Japanese Beetle—Use 1 Qt./100 gals. dilute spray. Plum Curculio—Use 3 Qts./100 gals. dilute spray. Petal fall and once or twice more 7-10 days apart. Rose Chafer—Use 2 Qts./100 gals. dilute spray when insect is present. San Jose & Forbes Scales—Use 2-2 1/2 Pts./100 gals. dilute spray three weeks before & immediately after harvest.

**CURRANT (14), & GOOSEBERRY (14):** Currant Aphid—Use 4 Qts./A as leaf buds are opening or later if infestation occurs. Imported Currantworm—Use 4 Qts./A when worms appear.

**EGGPLANT (7):** Use 3 1/2 Qts./A for Aphids. Use 2 1/2 Qts./A for Eggplant Lace Bug and Spider Mites.

**GRAPES (14):** European Fruit Lecanium—Use 3 3/4 Pts./A when newly hatched nymphs are migrating over vines, usually shortly after bloom. Grape Berry Moth—Use 2 Qts./A at petal fall. 7-14 days later, when second brood eggs are found (35-45 days after bloom) and 14 days later. Grape Mealybug—Use 3 3/4 Pts./A when overwintered nymphs move out from under bark to base of buds or onto grape clusters (just before or after bloom); repeat in 10 days if needed. Japanese Beetles—Use 1 Qt./A. Rose Chafer—Use 2 Qts./A when adults first appear, usually near bloom of Concord grapes. Two spotted Spider Mite—Use 1 Qt./A when mites first appear, and 7 days later if infestation is heavy. CAUTION: May injure the Ribier, Italia, Cardinal & Almeria varieties if applied after clusters appear.

**LETTUCE (Head & Leaf) (14):** Use 2-4 Qts./A to control Aphids. Use 2 1/2 Qts./A for Leafhoppers, Diamond Back Caterpillars and Cross-striped Cabbage Worm.

**PEACHES (21) & APRICOTS (21):** Green Peach, Black Cherry, Black Peach, & Rusty Plum Aphids—Use 1 Qt./100 gals. dilute spray early in season when aphids appear. Lesser Peach Tree Borer—Use 2 Qts./100 gals. dilute spray. See Cherry directions, begin in May. Japanese Beetles—Use 1 Qt./100 gals. dilute spray when beetles appear; repeat after 10-14 days if needed. Plum Curculio—2-3 Pts./100 gals. dilute spray 3-4 times, 7-10 days apart, beginning at shuck-off.

**PEAS (7):** Use 2-2 1/2 Qt./A for Aphids. For Pea Weevil use same dosage and spray foliage during early bloom period before eggs are laid. Do not graze or feed treated pea vines or pea hay to livestock.

**PEPPERS (3):** Use 3 Qts./A for Flea Beetles and Pepper Maggot & Aphids.

**POTATOES (7):** Use 1-2 Qts./A for Leafhoppers when they first appear; repeat every 10 days as needed.

**RUTABAGA (7), TURNIPS (7) (14 if tops are to be used as food or feed):** Use 2 1/2 Qts./A for aphids and Diamond Back Caterpillars. Use 3 Qts./A for Flea Beetles.

**SPINACH (10):** Use 2 1/2 Qts./A for Alfalfa Looper, Aphids and Beet Webworm.

**SQUASH (1):** Use 3 1/2 Qts./A for Aphids, Cucumber Beetle and Potato Leafhoppers.

**STRAWBERRY (3):** Use 2-4 Qts./A on foliage as needed to control Field Cricket, Lygus Bugs, Spittlebugs & Thrips. Use 2-3 1/2 Qts./A on foliage as needed to control Flea Beetles, Strawberry Leaf Beetle, Strawberry Weevil. Use 2-3 Qts./A on foliage as needed to control Potato Leafhoppers, Strawberry Leaf Roller, Strawberry Root Weevil and Whiteflies. Use 3 1/2 Qts./A on foliage as needed to control Aphids. CAUTION: dosages above 3 1/2 Qts./A should not be applied within 14 days of harvest.

**SWEET CORN (7):** Use 2 Qts./A for Japanese Beetle. Spray on silks and foliage.

**TOMATOES (5):** Use 2 1/2 Qts./A for Aphids and Spider Mites. Use 3 1/2 Qts./A for Blister Beetles and 4 Qts./A for Drosophila.

**FLOWERS & ORNAMENTAL SHRUBS:** Oyster Shell Scale & Eonymus Scale—Use 2 1/2 Pts./A. Aphids, Spider Mites, White Fly, Thrips, Mealy Bugs, Japanese Beetle Adult, Four Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper—Use 3 1/4 Pts./A. Bagworms, Juniper Scale—Use 2 1/2 Qts./A. Soft Brown Scale—Use 6 1/4 Pts./A. Pine Needle Scale—Use 5 Qts./A. Apply in summer when infestation occurs. Repeat in 10-12 days. For scales, apply when crawlers have

settled on foliage. CAUTION: Do not use on certain ferns, including Boston Maidenhair and Pteris, as well as some species of Crassula; because of possible injury to these ornamentals. Do not spray privet or viburnum and avoid repeated applications to evergreens. Do not spray when temperatures are abnormally high.

**ORNAMENTAL SHADE TREE INSECTS:** To control May Beetle, Lace Bugs on Oak and Sycamore, Tussock Moth, Fall Webworm, Japanese Beetle, Forest Tent Caterpillar, Eastern Tent Caterpillar, Gypsy Moth, Elm Leaf Beetle and Caterworms on shade trees, use 1-2 Qts. per 100 gals. dilute spray in conventional sprayers. When using a mist blower, dilute one part spray to 3 parts water using approximately 1-2 Pts. per 35-50 foot tree. CAUTION: Chinese Elms may be injured by foliar sprays of high dosage sprays when applied with conventional spraying equipment, especially under conditions of drought and high temperatures. Do not spray when temperatures are abnormally high. Avoid repeated applications to evergreens.

**MOSQUITO CONTROL**

**MALATHION METHOXYCHLOR SPRAY** is effective in the control of Mosquitoes, both Adult and Larva on non-Agricultural land and may be applied as a fog or mist from suitable equipment. Remove motor vehicles from spray area or wash immediately after spraying. Spray may damage paint finish.

**ADULT MOSQUITOES**

**THERMAL FOG EQUIPMENT:** Thermal fogging is more effective in early morning and late evening. Application time for control of adult mosquitoes should coincide with time of most activity of the mosquito. Avoid thermal fogging when winds exceed 5 miles per hour as effectiveness is reduced.

	Fuel Oil	MALATHION METHOXYCHLOR SPRAY	Concentration	Acres Rate
For 100 gals. of Spray Solution	96.5 gals.	3.5 gals.	1%	0.5 lbs. actual per acre
For 5 gals. of Spray Solution	4 gals. plus 7 pints	1 pint	1%	0.5 lbs. actual per acre

Note: 5-7 gals. of Thermal Fog Spray solution should cover 1 acre.

**SPRAYING EQUIPMENT:** Mist blowers or Sprayers require mixing of the MALATHION METHOXYCHLOR SPRAY in water solution and applying as a mist to areas frequented by Adult Mosquitoes.

	Water	MALATHION METHOXYCHLOR SPRAY	Concentration	Acres Rate
For 100 gals. of Spray Solution	96 gals.	4 gals.	1%	1.5 lbs. actual per acre
For 5 gals. of Spray Solution	4 gals. plus 7 pints	1.5 pints	1%	0.5 lbs. actual per acre

Note: 5 to 7 gals. of spray solution should cover 1 acre.

**AIRCRAFT SPRAYING:** Over large land areas. For low volume spraying mix 1 gal. of MALATHION METHOXYCHLOR in 15 gals. of light fuel oil or coc solvent (such as Exxon HAN, Sinclair 110, etc.) and apply approx. 4 gals. per acre.

**MOSQUITO LARVAE**

On non-agricultural land, beaches and other public park areas. **SPRAYING:** Mist blowers or Power Sprayer. Mix 1 pt. of MALATHION METHOXYCHLOR SPRAY in either light fuel oil or water to make 10 gals. of spray and apply to 1 acre (equivalent to 1 gal. per 100 gals.). Spray marshland, swamps and low lying areas, standing water and puddles. Thorough even coverage is essential for effective control. Application rate should be equivalent to 0.2 lbs. actual per acre sprayed. Repeat as necessary for control. Apply only to known Mosquito Breeding sites and in Approved Spray areas.

Shrimp and Crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

**WARRANTY**

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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 CHEMINOVA. All such risks shall be assumed by the user.

CHEMINOVA warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

CHEMINOVA makes no other express or implied warranty including any other express or implied warranty of FITNESS or MERCHANTABILITY.



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