



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

EPA Reg. Number: 34704-452
Date of Issuance: AUG 30 1995

Term of Issuance: Conditional

Name of Pesticide Product: Clean Crop Malathion 8E Insecticide

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Platte Chemical Co.
P.O. Box 667
Greeley, CO 80632
5476-113 16/17
5473155 16/17

Note: 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/reregistered 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 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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes before you release the product for shipment:
 - a. Add the phrase, "EPA Reg. No. 34704-452".
 - b. Clarify the directions for use on "Alfalfa, Clover" by associating the appropriate application rates with each of the two Preharvest Intervals (PHI) of 0 and 7 days appearing on your label for these crops. According to our records, the former PHI is used for foliar spray application rates through 1.5 pounds malathion per acre and the latter PHI is used for foliar spray application rates through 2 pounds malathion per acre.
 - c. Underneath the heading, "Physical or Chemical Hazards", remove the statements in the second through the tenth lines and place them in a more appropriate location on

Signature of Approving Official: *[Handwritten Signature]*

Date: AUG 30 1995

the label such as in the use direction portion of the label. These are the statements beginning with "In order that___" and ending with "___vary with local conditions."

d. Based on information in our files, the active ingredient, malathion, is considered to be a dermal sensitizer. Accordingly, the subject product is considered to be a dermal sensitizer and is to be labeled as such. No new dermal sensitizing study need be conducted on the subject product.

e. Malathion products labeled for use on the agricultural crops, beans, peas, lentils, cotton, and grain sorghum require a restriction prohibiting the grazing/feeding of the treated crop foliage (bean and pea vines/forage and straw/hay, sorghum forage, fodder/stover and hay, lentil forage and hay, and cotton forage) by livestock.

In accordance with the Malathion Reregistration Standard, February 1988, this restriction is required in lieu of providing certain supporting residue chemistry studies under 171-4 (Magnitude of the Residue in Plants).

f. Under the directions for "Adult Mosquito and Fly Control", qualify the claim for use on "grain crops" by specifying only those grains crops that are currently being supported.

g. Clarify the following sentences under the directions for "Adult Mosquito and Fly Control" which appear to be lacking in punctuation marks.

• "Apply 72 fluid ounces to 2 gallons 110 fluid ounces finished spray per acre." and "Apply 31 fluid ounces to 1 gallon 23 fluid ounces finished spray per acre."

h. Under "Adult Mosquito and Fly Control", qualify the label claim that "Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated." by reminding the user of the label restriction against broadcast use around certain bodies of water which appears elsewhere on the label under the heading, "Mosquito Larvae in Standing Water."

3. Check with your supplier of malathion regarding the current correct EPA Reg. No. of their product and submit your updated Confidential Statement of Formula (CSF) for our files. Your basic formulation shows a EPA Reg. No. for a product that was transferred, effective January 11, 1995.

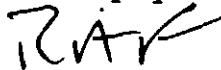
4. Submit two copies of the revised final printed label before you release the product for shipment.

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 constitutes acceptance of these conditions.

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

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

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PROPOSED LABEL

ACCEPTED with COMMENTS in EPA Letter D-44

AUG. 3 0 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-492



MALATHION 8-E INSECTICIDE

Organophosphate Insecticide
AGRICULTURAL INSECTICIDE
EMULSIFIABLE LIQUID

ACTIVE INGREDIENT:	% By Weight
Malathion (O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate)	79.5%
INERT INGREDIENTS:	20.5%
TOTAL 100.0%	

Contains 8 lbs. Malathion per gallon

AGRICULTURAL INSECTICIDE EMULSIFIABLE LIQUID

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Below For Additional Precautionary Statements.

EPA REG. NO. 34704-ULE
EPA EST. NO. _____

NET CONTENTS _____ GAL. (_____ L)
4217 WPSEX06Y94

**PRECAUTIONARY STATEMENTS
HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with eyes, skin, or clothing.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category (F) on the 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, or viton, and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call physician or poison control center. Drink one or two glasses of water and induce vomiting by placing finger at the back of the throat. Do not induce vomiting or give anything by mouth to an unconscious person.

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If Inhaled: Remove victim to fresh air and apply artificial respiration if indicated.
If On Skin: Wash thoroughly with soap and water. Get medical attention.
If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

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 OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. The grower is responsible for residues on his crops as well as for damages caused by drifting from his property to that of others.

Consult State Agricultural Experiment Stations or the State Agricultural Extension Services for additional information as to the timing, number and rate of applications needed will vary with local conditions.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. 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 its labeling and 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 apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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, chemical-resistant gloves such as butyl rubber, nitrile rubber or viton, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.
Do not allow contact with treated surface until spray has dried.

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MALATHION 8-E INSECTICIDE

EPA REG. NO. 34704-ULE

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. 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. Store in cool, dry place. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. 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.

USE DIRECTIONS

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proved physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

Maximum permissible rate per acre, expressed as MALATHION 8-E is given in parenthesis, (), after each crop claim.

Rinse spray equipment.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

TREE FRUIT CROPS

Unless otherwise specified, rates are given in terms of pints MALATHION 8-E per 100 gallons of water for thorough coverage sprays. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

CHERRIES — Black Cherry Aphid, bud moth, cherry fruit fly, fruit tree leaf roller, lesser peach tree borer (apply to trunk and scaffold limbs at 21 day intervals beginning with emergence). Forbes and San Jose scales (apply 3 weeks before and immediately after harvest: 3/4 pt. Do not apply within 3 days of harvest. Caution: Malathion may cause injury on certain varieties of sweet cherries in the Northeast. (8 pt.)

GRAPEFRUIT, LEMONS, ORANGES, TANGERINES, TANGELOS, TANGERINES — California red scale, yellow scale, purple scale, black scale (single and off-brooded) soft scale, thrips, citricola scale, orange-worm, aphids: 3/4-1 pt. Do not apply within 7 days of harvest. Make no application when trees are in full bloom. California — Do not apply unless parasite activity in the scale is at a low level or absent. (25 pts.)

VEGETABLE AND FIELD CROPS

(Also see Use Directions)

Unless otherwise indicated, dosages are given in pints of MALATHION 8-E per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitation given for specific crops.

GRAPES — European fruit lecanium, grape leafhopper, mealybug, spider mites: 1 pt. Do not apply within 3 days of harvest. Injury may occur to Ribier, Cardinal and Almeria varieties when applications are made after the clusters appear. (2 3/4 pts.)

Application on vegetables, row and field crops can be made by aircraft or ground power equipment. The amount of water needed to treat an acre varies, therefore the following rates are given to cover a broad range of conditions.

AIRCRAFT: 5-10 gals. water/acre — GROUND: 20-100 gals. water/acre.

ALFALFA, CLOVER — Alfalfa weevil larvae, aphids, armyworms, clover leaf weevil, grasshoppers, lygus bugs, pea aphid, potato leafhoppers, spidermites, spittlebugs, vetch bruchid: 1-1 1/2 pt. use higher rate for Armyworm control. May be applied on day of harvest. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on the outside of the hives. DO NOT apply within 7 days of harvest. (2 pts.)

BEANS (Dry & Succulent) — Aphids, cucumber beetle, Japanese beetle, potato leafhopper, Mexican bean beetle, nitidulid beetle, spider mites, pea leaf weevil: 1 1/2 pt. Lygus bugs on dry beans in California: 1-1 1/2 pt. Do not apply within 1 day of harvest (1 3/4 pt.)

COTTON — Aphids, brown cotton leafworm, cotton leaf perforator, leafhoppers, spider mites, whitefly: 1/2-1 1/2 pt. cotton fleahoppers: 3/4-1 pt. Fall armyworms, boll weevils, grasshoppers, garden webworms and lygus: 1-2 pts. (4 pts.)

CUCUMBERS, SQUASH — Aphids, cucumber beetle, cutworms, darkling ground beetles, leafhoppers, pickleworm, spider mites, squash vine borer, thrips: 1 3/4 pts. Do not apply on cucumber and squash unless plants are dry or within 1 day of harvest. (1 3/4 pts.)

GRASS — Grass hay pasture and Rangeland (barn grass, canary grass, fescue, orchard grass, red top, timothy and yellow foxtail) — Aphids, leafhoppers: 1-1 1/4 pts. Repeat application as necessary. Apply up to and including one day of harvest on grasses. (Grasses 1 1/4 pts.)

LETTUCE, ENDIVE — Aphids, alfalfa looper, cabbage looper, leafhoppers, mites: 2 pts. Do not apply within 14 days of harvest on leaf lettuce; 7 days on endive and head lettuce. (2 pts.)

PEPPERS — Aphids, pepper maggot: 1 1/2 pts. Do not apply within 3 days of harvest. (1 1/2 pts.)

POTATOES — Aphids, blister beetles, false chinch bugs, leafhoppers, mealybugs: 1 pt. for control of chinch bug, leafhoppers and mealybugs; 2 1/2 pts. for control of aphids and blister beetle (3 pts.)

SMALL GRAINS (Barley, oats, rye, wheat) — Armyworms, English grain aphids, grasshoppers, greenbugs: 1-1 1/4 pts. Do not apply within 7 day of harvest. (1 1/4 pts.)

STRAWBERRIES — Aphids, field crickets, lygus bugs, potato leafhoppers, spider mites, spittlebugs, strawberry leafroller, thrips, whitefly: 1 1/2-2 pts. Do not apply within 3 days of harvest. (2 pts.)

TOMATOES — Aphids, spider mites, 1 1/2 pts. Drosophila flies: 2 pts. in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. (2 pts.)

PASTURE AND RANGELAND — Aphids, grasshoppers, leafhoppers: 1 1/4 pts. per acre in sufficient water for good coverage. Or use 1 1/4 pts. in 1 gallon of diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing (1 1/4 pts.)

ORNAMENTALS

Dosages given are for use in 100 gallons of dilute spray. Aphids, European pine shoot moth, four-line leaf bug, Japanese beetle adult, mealybug, millipedes, potato leafhopper, rose leafhopper, scurfy scale, spider mites, springtails, sowbugs, tarnished plant bug, thrips, whitefly,

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MALATHION 8-E INSECTICIDE

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euonymus scale, lace scale, oyster shell scale: 1 pt. Azalea scale, bag-worms, birch leafminer, boxwood leafminer, Fletcher scale, Florida-red scale, juniper scale, magnolia scale, oak kermes, pine leaf scale, tent caterpillar 1 1/4 pts.
 Black scale crawlers, Monterey pine scale 1 3/4 pts.
 Pine needle scale, wax scale 2 1/2 pts.
 For oyster shell, Fletcher, juniper, oak kermes and pine needle scales, apply when scale crawlers have settled on forage.

CAUTION: Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canadeti Juniper.

MOSQUITO CONTROL

Adult Mosquito and Fly Control: Apply 7.2 to 9.6 fluid ounces per acre by air or ground equipment for control of Adult Flies and Mosquitoes. Mix in sufficient water for good coverage with equipment used. Repeat as necessary. Can be applied to alfalfa, clover, pasture and range grass, grass hay, grain crops, beans, rice, tomatoes and non-agricultural lands. Do not apply within 7 days of harvest on grain crops and rice; 5 days of harvest on corn; 1 day of harvest on beans and tomatoes. No time limitation on alfalfa, clover, pasture and range grass, grass and grass hay. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. Treat shrubbery and vegetation where mosquitoes may result. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated.

MALATHION 8-E may be applied as a 2% to 5% spray or fog by trained personnel of Public Health Organizations, Mosquito Abatement Districts, Public Mosquito control Programs and Professional Pest Control Operators. Apply spray or fog, using suitable equipment, to non-agricultural areas such as lawns, areas outside of homes, commercial and industrial buildings. Apply in early mornings or late evenings for better effectiveness. Application time for control of adult mosquitoes should coincide with time of most activity of the mosquito. Avoid application when winds exceed 5 miles per hour as effectiveness will be reduced. Do not apply oil-based spray mixtures to valuable plants as injury may occur. Avoid spray contact with automobiles. Spray droplets of malathion may permanently damage automobile paint. In case of accidental exposure, wash car immediately. To make a 2% solution, dilute 1 part MALATHION 8-E to 45 parts water, fuel oil or diesel oil. When using kerosene-type solvent as carrier, dilute 1 part MALATHION 8-E in 45 parts of mixture consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply 72 fluid ounces to 2 gallons 110 fluid ounces finished spray per acre. For a 5% solution, dilute 1 part MALATHION 8-E in 18 parts of mixture using similar solvents. Apply 31 fluid ounces to 1 gallon 23 fluid ounces finished spray per acre.

Mosquito Larva in Standing Water: Apply MALATHION 8-E at the rate of 8 fluid ounces (approximately 1/2 lb. actual malathion) per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. Repeat applications as necessary. Avoid applying oil-based spray mixtures to valuable plants as injury may occur. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

FLY CONTROL: For use around outside of buildings which house domestic animals around outside of homes, around yards and outside of meal processing plants. Apply spray at rate of 1 gal. per 1,000 sq. ft. on painted surfaces and 2 gals. per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity of malathion and serves as a fly attractant.

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
Amount of Spray	Amount MALATHION 8EC	Amount of Bait Spray	Amount MALATHION 8EC	Sugar (or)	Unacidified Molasses or Corn Syrup
2 1/2 gals.	3/4 cup	2 1/2 gals.	3/4 cup	1 cup	1 cup
12 gals.	1 1/4 pts.	12 gals.	1 1/4 pts.	2 1/2 lbs.	1 qt.
100 gals.	1 1/4 gals.	100 gals.	1 1/4 gals.	20 lbs.	2 gals.

DROSOPHILA FLIES AND DRIED FRUIT BEETLES: On or around cell fruit and vegetable dumps, mix 7 1/2 pts. in 100 gals. of water and apply as a trench, using 8-10 gals. of spray per 100 sq. ft. (for best results, dumps should not be over 18" deep). Do not feed treated fruit and vegetables.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 PLATTE. IN NO CASE SHALL PLATTE 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. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE 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. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697

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SUPPLEMENTAL LABELING

APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION



MALATHION 8-E INSECTICIDE

EPA REG. NO. 34704-ULE

FOR USE ON THE FOLLOWING CROPS NAMED IN THE DIRECTIONS FOR USE:

**TREE FRUIT CROPS
VEGETABLE AND FIELD CROPS
ORNAMENTALS**

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Platte Chemical Co. does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water or human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation.

Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated.

Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

ALL APPLICABLE RESTRICTIONS, PRECAUTIONS, AND DIRECTIONS ON THE EPA REGISTERED PRODUCT LABEL MUST BE FOLLOWED.

**FORMULATED FOR
PLATTE CHEMICAL CO.**

**150 SO. MAIN STREET
4217**

**FREMONT, NE 68025-5697
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