

PM14

34704-18

1/4 S498742
335/17



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

FEB 07 1997

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Glenda Haage
Registration Manager
Platte Chemical Co.
P.O. Box 667
Greeley, CO 80632

Dear Ms. Haage:

Subject: Deletion of Unsupported Malathion Uses
Clean Crop Malathion ULV Concentrate Insecticide
EPA Reg. No. 34704-18
Labeling Submitted December 13, 1995
Federal Register Notice of July 19, 1995

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Relocate the following aquatic use restrictions from their present location under general information to the directions for use on the aquatic crop, rice.

"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."

2. Add the following terrestrial use statement to the "Environmental Hazards" section as was specified in the 1988 Malathion Registration Standard.

"Drift and runoff may be hazardous to aquatic organisms in areas near the application site."

3. Delete the statement, "Keep children and pets out of the treated area until sprays have dried." which appears in the Non-Agricultural Use Requirements box. This statement does not appear on your label previously approved for the product and is not appropriate for the non-agricultural use sites appearing on the submitted label; i.e. non-agricultural lands (wastelands, roadsides, and soil bank lands); pasture grass; and range grass.

2/4

Since this statement is the only requirement listed in the Non-Agricultural Use Requirements box, the entire box may be deleted.

If this condition is 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 label constitutes acceptance of this condition.

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

Sincerely,

William W. Jacobs, Ph. D.
Acting, Product Manager Team 14
Insecticide-Rodenticide Branch
Registration Division (7505C)



MALATHION ULV CONCENTRATE INSECTICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated
FEB 07 1997

3/4
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-18

Organophosphate Insecticide
This product is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for the control of the insects indicated on this label.

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.

ACTIVE INGREDIENTS	BY WEIGHT
Malathion**	95.0%
INERT INGREDIENTS	5.0%
	TOTAL 100.0%

**O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate.
Contains 9.7 pounds of Malathion per gallon.

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:** Wash affected areas with soap and water. **If In Eyes:** Flush eyes 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.

KEEP OUT OF REACH OF CHILDREN CAUTION

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 area.

See Below For Additional Precautionary Statements

NET CONTENTS _____ GAL. (_____ L)

EPA REG. NO. 34704-18 EPA EST. NO. _____
5072 EXP10Y95

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.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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: barrier laminate, butyl rubber, nitrile rubber or viton and shoes plus socks.

HARMFUL BY SWALLOWING, INHALATION, OR SKIN CONTACT.
Avoid breathing spray mist. Avoid contact with skin
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.

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.
Keep children and pets out of the treated area until sprays have dried.

USER SAFETY RECOMMENDATIONS

Users should:
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

MALATHION ULV
EPA REG. NO. 34704-18

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. Personnel should use clothing and equipment consistent with good pesticide handling. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **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.

GENERAL INFORMATION

DO NOT USE THIS PRODUCT FOR ANY USES OTHER THAN THOSE SPECIFIED ON THIS LABEL

Aerial applications are most effective when made at a boom height of 5 feet and a swath width of 50 feet. Do not make application when winds exceed 5 mph.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing up to 40 psi and blower speeds of 2600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30° into air blast or rotary atomizers into the air blast that produce an efficient spray particle with a mass medium diameter of 40 to 100 microns. Swath widths should not exceed 30 feet, and applications should not be made when winds exceed 5 mph.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass medium diameter of 30 to 100 microns. Applications should not be made when winds exceed 5 mph. Repeat applications should be made as necessary unless otherwise specified.

Broadcast use only over intermittently flooded areas. Application may not be around bodies of water where fish or shellfish are grown and/or harvested commercially.

FOR ULTRA LOW VOLUME AERIAL APPLICATION WHERE AUTOMOBILES, TRAILERS, AND PLEASURE BOATS ARE PRESENT:

IMPORTANT

Instructions when MALATHION ULV is to be used in ultra low volume spraying over cities, towns and other areas where automobiles, trailers and pleasure boats are present.

Apply with aircraft equipped for ultra low volume application. Generally, spraying should not be attempted when the wind is at or above 10 mph or temperatures are above 82°F.

Spray droplets of this product undiluted will permanently damage automobile paint unless all of the following conditions are met:

1. Aircraft is operated at 150 mph or more.
2. There are no leaks in the ultra low volume spray system.
3. Nozzles are placed on the boom at 45° angle down and into the wind.
4. Diaphragm check valves are used on all nozzles to insure positive cut-off of the spray.
5. Dosage of this product does not exceed 3.2 fluid ounces per acre (40 acres per gallon).
6. The spray system produces droplets of this product in the 50 to 60 mass median diameter (MMD) micron range, with no more than 10% of the droplets exceeding 100 microns, as determined by readings made from microscope slides coated with Dri-Film.

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

DIRECTIONS FOR USE

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Alfalfa	Caterpillar, Western Yellow Striped Armyworm	8-12	Use lower rate when larvae are small. May be applied on day of harvest or grazing. Use higher rate when larvae are large or when alfalfa is thick. 5 days.
	Alfalfa Weevil Larvae	16	5 days. Apply when day temperatures are expected to exceed 65°F, and when 50-75% of leaves show feeding damage.

4/4

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Alfalfa, cont'd.	Beet Armyworm	8-15	Use lower rate when larvae are small. May be applied on day of harvest or grazing. Use higher rate when larvae are large or when alfalfa is thick. 5 days.
	Grasshoppers	8	May be applied on day of harvest or grazing.
Do not apply to alfalfa in bloom. Do not apply to seed alfalfa.			
Beans (Dry & Succulent)	Mexican Bean Beetle, Leafhoppers, Green Cloverworm Japanese Beetle, Lygus Bug	8	1 day. Do not graze or feed treated crop foliage.
Blueberries	Blueberry Maggot	10	0 day.
Cherries	Cherry Fruit Fly	12-15	1 day. Apply by aircraft only. Use higher rate when foliage is heavy or infestation is severe. Make first application as soon as flies appear.
Cereal crops (barley, corn, oats, wheat) and grasses.	Cereal Leaf Beetle	4-8	Barley, Oats, Wheat: 7 Days of harvest or forage use. Corn: 5 days. Grasses: May be applied on day of harvest or grazing.
Clover, Pasture, Range Grass, Grass, Grass Hay, Nonagricultural land (wastelands, roadsides, soil bank lands)	Grasshoppers	8	May be applied on day of harvest or grazing. Do not apply to clover in bloom.
Corn	Adult Corn Rootworm	4	5 days.
Cotton	Early Season Insects, Thrips, Fleahoppers, Leafhoppers	4-8	0 day. Do not graze or feed treated crop forage.
	Boil Weevil	8-12	Early to midseason. 0 day.
	Grasshoppers	16	Late season. 0 day.
	Lygus Bugs	8	0 day.
		16	Very heavy migrating populations. 0 day.
Grain Crops (barley, corn, oats, rye, rice, grain sorghum & wheat)	Grasshoppers	8	7 days. Corn: 3 days of harvest or forage use.
Grain Sorghum	Sorghum Midge	8-12	Apply during the bloom stage. 7 days of harvest or forage use. Do not graze or feed treated crop forage.
Nonagricultural Lands	Beet Leafhopper (on wild host plants)	8	0 day.

OTHER AGRICULTURAL USES: Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Barley, Corn, Oats, Rye, Grain Sorghum, Wheat, Beans, and Rice and Nonagricultural Lands (wastelands, soil bank lands): Adult mosquitoes and flies - Apply MALATHION ULV at the rate of 2 to 4 fluid ounces for control of adult mosquitoes and at 6 to 8 fluid ounces per acre for control of adult flies and mosquitoes. Repeat applications as necessary. On alfalfa, clover, pasture and range grass, grass and grass hay, may be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. On barley, oats, rye, grain sorghum, wheat, make no application within 7 days of harvest or forage use; on corn, within 5 days of harvest or forage use; on beans, within 1 day of harvest.

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