



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

PM 14 34704-18

1076 file

MAR 22 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

J. Allen Dunlap III
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO. INC.
- BOX 667
GREELEY, CO 80632

Subject: Label Amendment Submission of 11/17/93 in Response to PR Notice 93-7
EPA Reg. No. 34704-18
MALATHION ULV CONCENTRATE INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

BEST AVAILABLE COPY

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

2076

Page 2

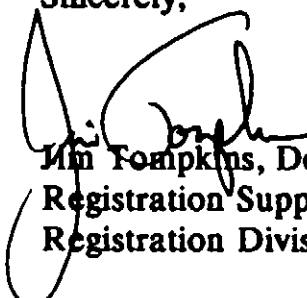
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Min Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

BEST AVAILABLE COPY

2076

ROPOSED ABEL

MALATHION ULV CONCENTRATE INSECTICIDE



ACCEPTED WITH COMMENTS
In EPA Letter dated
MAR 22 1991

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.

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.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements

NET CONTENTS _____ GAL. (_____ L)

EPA REG. NO. 34704-18 EPA EST. NO. _____
3798 WPSXP10Y93

Before using, read the directions contained on this label for the proper methods and procedures which must be followed to achieve effective insect control and avoid permanent damage to automobile and other paint finishes.

IMPORTANT — Undiluted spray droplets of Malathion will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately. Consult your State Experiment Station or State Extension Service for proper timing of sprays.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

Personal Protective Equipment
Some materials may contain chemicals that react with this product. Do not use this product on these materials. For a list of these materials, consult the EPA chemical reactivity selection chart.
Applicators and other handlers must wear long-sleeved shirts and long pants, socks, shoes, and gloves. Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet.
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, the WPS applies. If the handler uses PPE, the 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.

Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet.
Remove clothing immediately if you feel the effects of this product. Wash the clothing before re-wearing it. As soon as possible, wash your hair and shower.

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 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.

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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Some requirements specific to your State may apply. Consult the agency responsible for pesticide registration.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS) for agricultural pesticides. The WPS applies when the pesticide is used in a manner that meets the requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and pesticide handlers who are directly exposed while mixing, loading, or applying the pesticide. This exclusion does not apply to other persons who may be working on the premises, to birds or bees, to other animals, or to the environment. For more information on the WPS, contact your State Department of Agriculture. For more information on the WPS, contact your State Department of Agriculture. For more information on the WPS, contact your State Department of Agriculture.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this label apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides. For agricultural uses, the WPS applies when this product is used in a manner that meets the requirements for agricultural uses. For non-agricultural uses, the requirements may be reduced or modified as specified in the label. Wash hands and face before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not apply to areas where children and pets could be exposed. Do not apply to areas where children and pets could be exposed.

BEST AVAILABLE COPY

4 of 6

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.

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 Ori-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
Ailalfa	Ailalfa 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 ailalfa is thick. 5 days
	Ailalfa Weevil Larvae	16	5 days. Apply when day temperatures are expected to exceed 85°F and when 50-75% of leaves show feeding damage

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Ailalfa, cont'd	Beet Armyworm	8-16	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 ailalfa is thick. 5 days
	Grasshoppers	8	May be applied on day of harvest or grazing
Do not apply to ailalfa in bloom. Do not apply to seed ailalfa			
Beans (lima, green, snap, Navy, red kidney, wax, dry, black-eye)	Mexican Bean Beetle, Leafhoppers, Green Cloverworm, Japanese Beetle, Lygus Bug	8	1 day
	Blueberries	Blueberry Maggot	10
Cherries	Cherry Fruit Fly	12-16	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 and Range Grass, Grass, Grass Hay, Non-agricultural Land (wastelands, roadsides, soil bank lands)	Grasshoppers	8
Corn	Adult Corn Rootworm	4	5 days.
Cotton	Early Season Insects, Thrips, Fleahoppers, Leafhoppers	4-8	0 day.
	Boll Weevil	8-12	Early to midseason. 0 day.
	Grasshoppers	16	Late season 0 day.
	Grasshoppers	8	0 day.
	Lygus Bugs	8-12	0 day.
Corn		16	Very heavy migrating populations. 0 day.
	Grain Crops (barley, corn, oats, rye, rice, grain sorghum & wheat)	Grasshoppers	8
Grain Sorghum	Sorghum Midge	8-12	Apply during the bloom stage. 7 days of harvest or forage use.
Safflower	Grasshoppers, Lygus Bugs	8	3 days of harvesting seeds.
Soybeans	Mexican Bean Beetle, Grasshoppers, Japanese Beetle, Green Cloverworm	8	7 days of harvest or forage use.
Sugar Beets	Grasshoppers, Sugar Beet Root Maggot Adults	8	7 days if tops are to be used as feed
Nonagricultural Lands	Beet Leafhopper (on wild host plants)	8	0 day
Beef Cattle-Feed Lots and Holding Pens	Adult Flies & Mosquitoes	6-8	0 day.

OTHER AGRICULTURAL USES: Ailalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain crops, Beans, Rice, Tomatoes 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 ailalfa, clover, pasture and range grass, grass and grass hay, may be applied on day of harvest or grazing. Do not apply to ailalfa and clover in bloom. Do not use on seed ailalfa. On grain crops, make no application within 7 days of harvest or forage use, on corn, within 5 days of harvest or forage use, on beans and tomatoes within 1 day of harvest.

FOREST INSECTS: Apply with aircraft equipped for ultra low volume application. Make application when air is calm and temperature is below 68°F. Do not allow spray to contact ferns, hickory and maples as injury may result. Do not spray on elms under extreme heat, drought and disease conditions.

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Douglas Fir, True Fir, Spruce	Spruce Budworm	13	Apply when highest percentage of larvae are in the fifth instar
Hemlock	Hemlock Looper	8	Apply when most larvae are in the third and fourth instar

BEST AVAILABLE COPY

7.

MALATHION ULV
EPA REG. NO. 34704-18

5/6

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Pines	European Pine Sawfly	10	Apply when larvae are in the first or second instar or before they can reach 1/2 inch in length.
	Saracoga Spittlebug	10	Apply when 95% of the population has become adult.
Larch	Larch Casebearer	8	Apply in spring as soon as larvae break hibernation and begin feeding on new foliage.

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.

BEST AVAILABLE COPY

FORMULATED FOR
PLATTE CHEMICAL CO.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697