

PM-14

34704-291

146

File



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

FEB 24 1994

J ALLEN DUNLAP III
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO., INC.
BOX 667
GREELEY, CO. 80632

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 10/12/93 Response to PR Notice 93-7
EPA Reg. No. 34704-291
HAPKINS MALATHION 25% W.P.

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:

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


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,



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

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

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

Comment for: EPA Reg Nr.34704-291
HAPKINS MALATHION 25% W.P.

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

User Safety Recommendations must either be placed in a box
or printed on the label in a contrasting color from
surrounding text.

Delete the crossed-out statements on your proposed label.
They are redundant statements or phrases.

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PROPOSED LABEL



ACCEPTED with COMMENTS in EPA Letter Dated

FEB 24 1994

MALATHION 25% W.P.

A WETTABLE POWDER

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

34704-291

Organophosphate Insecticide

ACTIVE INGREDIENT:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate 25%

INERT INGREDIENTS: 75%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements.

EPA REG. NO. 34704-291 EPA EST. NO.

NET WEIGHT 5 LBS. (2.26 KG)

3770

WP5EXP10Y93

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Do not contaminate food or feedstuffs.

Personal Protective Equipment

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, and a hat. If a manufacturer's respirator is required, use one that meets the requirements of such instructions for use of respirator and not wear PPE and wash PPE separately from other laundry.

Engineering controls statements

When handlers use closed systems, enclosed cabs, or personal protective equipment, they must use it in accordance with the manufacturer's instructions. See also the Worker Protection Standard (WPS) for agricultural pesticides and the Agricultural Use Requirements (AUR) for agricultural pesticides.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands thoroughly before and after each handling. Remove clothing immediately if you get it wet with the product. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change and clean clothes.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed—Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Never 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 contaminated clothing and wash affected areas with plenty of soap and water.

If In Eye—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. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. 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.

USE RESTRICTIONS

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. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others. Read all label directions before using. Use only for claims listed and only as specified on the label.

Consult State Agricultural Extension Service or State Agricultural Experiment Stations for additional information, as the timing and number 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.

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

[Redacted text]

AGRICULTURAL USE REQUIREMENTS

[Redacted text]

NON-AGRICULTURAL USE REQUIREMENTS

[Redacted text]

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MALATHION 25% W.P.
EPA REG. NO. 34704-291

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. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

STORAGE: Store in safe manner. Store in original container only. Store in cool, dry place. Reduce stacking height where local conditions, such as humidity or pallet overhang, 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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Measure the specified amount of this product then wash through filter screen in nearby filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear-type spray equipment. Do not combine with emulsifiable liquids unless previous use of the mixture has proven physically compatible and safe to plants. Emulsifiable concentrates should always be thoroughly emulsified with at least half of total water before adding this product.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions.)

CROP	GALS. WATER/ACRE	
	AIRCRAFT	GROUND
Vegetables and Field Crops	5 - 20	10 - 125
Orchard, Grapes	10 - 25	—
Orchard Crops (See Exceptions Below)	—	300 - 800
Citrus	—	500 - 3000
Grapes	—	100 - 200

MIXING SMALL QUANTITIES—For mixing small quantities use 1 tablespoonful of 25% wettable powder per gallon for each pound used per 100 gallons.

RECOMMENDATIONS FOR USE

Maximum permissible rate, expressed as MALATHION 25% W.P. per acre is given in parenthesis (), after each crop claim.

VEGETABLE, FIELD AND FORAGE CROPS

Rates are given in pounds of MALATHION 25% W.P. per acre for use in sufficient water to provide thorough coverage. Also read *Directions for Use*.

ALFALFA: Armyworms—3 lbs. Make full coverage application when larvae are small. Do not apply to alfalfa in bloom. May be applied up to day of harvest.

BEANS (Lima, Green, Snap, Navy, Red Kidney, Wax, Cowpeas, Black-eyed Peas): Aphids, cucumber beetles, Japanese beetle—5 lbs. Make 2 or more applications as needed. Do not apply within 1 day of harvest.

CLOVER: Aphids, grasshoppers, leafhoppers, mites—4 lbs. Do not apply to clover in bloom. May be applied up to day of harvest.

COLE CROPS (Broccoli, Brussels sprouts, Cabbage, Collards, Dandelions, Kale, Kohlrabi, Mustard greens, Parsley, Swiss chard, Turnips, Watercress): Aphids—2 lbs. Caterpillars on broccoli, Brussels sprouts, cauliflower and collards—5 lbs. Flea beetles on mustard greens—4 to 5 lbs. Do not apply within 3 days of harvest for broccoli and turnips; 21 days for parsley; 7 days for all others.

CUCUMBERS: Cucumber beetles—7 lbs. Pickleworms—6 lbs. Do not apply unless plants are dry. Do not apply within 1 day of harvest. (7 lbs.)

GRAIN CROPS (Barley, Corn, Oats, Rye, Wheat): Cereal leaf beetle—3 to 4 lbs. Do not apply within 5 days of harvest for corn; 7 days for all others.

GRASS CROPS (Grass and Grass Hay): Aphids, leafhoppers—2 lbs. Armyworms—3 lbs. when larvae are small. May be applied up to day of harvest.

LETTUCE: Aphids, leafhoppers—5 lbs. Do not apply within 7 days of harvest for head lettuce; 14 days for leaf lettuce.

ONIONS: Onion maggot—6 lbs. Thrips—4 lbs. Do not apply within 3

days of harvest on green onions. May be applied up to day of harvest on other onions.

PEANUTS: Thrips—4 lbs. May be applied up to day of harvest. (4 lbs.)

PEPPERS: Aphids—2 lbs. Pepper maggot—6 lbs. Do not apply within 3 days of harvest.

POTATOES: Aphids, leafhoppers—2½ lbs. False chinch bug—4 lbs. May be applied up to day of harvest.

SOYBEANS: Mexican bean beetle—6 to 8 lbs. May be applied up to day of harvest. (8 lbs.)

SQUASH: Cucumber beetles, squash vine borers—7 lbs. Do not apply unless plants are dry. Do not apply within 1 day of harvest. To control squash vine borers, apply full coverage spray weekly to stems and vines at base of plants.

SUGAR BEETS: Aphids, spider mites—5 lbs. Grasshoppers—8 lbs. Do not apply within 3 days of harvest. (8 lbs.)

TOMATOES: Aphids, spider mites—2 lbs. Tomato russet mite—2 to 4 lbs. Drosophila—6 lbs. Do not apply within 1 day of harvest.

FRUIT AND NUT CROPS

Unless otherwise specified for specific crops, rates are given as pounds of MALATHION 25% W.P. (and superior spray oil) per 100 gals. of water for thorough coverage sprays. (Also read *Directions For Use*).

APPLES (Dormant and Delayed Dormant Sprays): Aphids (green apple, rosy apple and woolly apple), mites and red-banded leaf roller—2 lbs. plus 1 gal. superior oil per 100 gals. of water. Make full coverage sprays only; scales (Forbes Putnam and San Jose)—3 lbs. plus 2 gals. superior oil. Make full coverage sprays only. (60 lbs.)

APPLES: Bud moth, green apple aphid, woolly apple aphid, leafhoppers, unspotted tentiform leaf miner and yellow-necked caterpillars—2 lbs.; rosy apple aphid, mealy bug, Forbes scale—2½ lbs.; Putnam and San Jose scales—2 to 2½ lbs.; tent caterpillars—2½ to 4 lbs.; bagworm—3 lbs. May injure foliage on some varieties. Do not apply within 3 days of harvest. (60 lbs.)

APRICOTS: Aphids, codling moth, orange tortix, soft brown scale and terrapin scale—4 lbs. Do not apply within 7 days of harvest. (40 lbs.)

CHERRIES (Dormant and Delayed Dormant Sprays): Aphids—2 lbs. plus 1 gal. superior oil per 100 gals. of water. Scale insects—3 lbs. plus 2 gals. superior oil per 100 gals. water. Make full coverage sprays only. (32 lbs.)

CHERRIES: Black cherry aphid, bud moth, cherry fruit fly—2 lbs.; scales (Forbes and San Jose)—2 to 2½ lbs. Injury may occur on certain varieties of sweet cherries particularly in the Northwest. Do not apply within 3 days of harvest. (32 lbs.)

CITRUS (Grapefruit, Lemons, Limes, Oranges, Tangerines, Tangelos, Kumquats): Scales (Black, California red, citricola, purple, soft and yellow)—2½ to 3½ lbs. Scales (Florida red and purple—light and medium infestations)—3 to 5 lbs. Consult local spray schedules for recommended volumes of spray per acre. Green citrus aphid, thrips—1 to 2 lbs. Do not apply within 7 days of harvest (100 lbs.)

GRAPES: Leafhoppers—1 to 1½ lbs.; Japanese beetle—2 lbs. Injury may occur on grapes of Ribier, Italia, Cardinal and Almeria varieties when applied after clusters appear. Do not apply within 3 days of harvest. (11 lbs.)

NECTARINES: Mites—2½ lbs.; Parlatoria scale—2 lbs. plus 1 gal. light-medium oil (Caution: Apply this mixture only in petal fall period); Plum curculio—3 lbs. May cause fruit spotting. Do not apply within 7 days of harvest. (40 lbs.)

PEACHES (Dormant and Delayed, Dormant Sprays): Aphids—2 lbs. plus 1 gal. superior oil; peach twig borer and scale insects—3 lbs. plus 2 gals. superior oil. Make full coverage sprays only. (36 lbs.)

PEACHES: Aphids (black cherry, black peach, green peach and rusty plum), Japanese beetle—2 lbs. Mites (European red, two-spotted) and scales (cotony peach, terrapin)—2 to 2½ lbs. Oriental fruit moth and plum curculio—3 lbs. Do not apply within 7 days of harvest (36 lbs.)

PEARS: Aphids (Apple, apple grain)—2 lbs.; Mealybug, mites, pear psylla and scales (Forbes and San Jose)—2 to 2½ lbs.; codling moth, fruit tree leaf roller, plum curculio and red-banded leaf roller—3 lbs. Do not apply within 1 day of harvest. (60 lbs.)

PEARS (Dormant and Delayed Dormant Sprays): Aphids, leaf rollers and pear psylla—2 lbs. plus 1 gal. superior oil; Scale insects—3 lbs. plus 2 gals. superior oil. Make full coverage sprays only. (60 lbs.)

PLUMS AND PRUNES (Dormant and Delayed Dormant Sprays): Aphids—2 lbs. plus 1 gal. superior oil; scale insects—3 lbs. plus 2 gals. superior oil. Make full coverage sprays only. (40 lbs.) Mealy plum aphid—1 lb.; bud moth (prunes only)—2 lbs.; mites (European red and two-spotted)—2 to 3 lbs. Do not apply within 3 days of harvest. (40 lbs.)

CANE BERRIES (Blackberries, Boysenberries, Dewberries, Loganberries and Raspberries): Mites, leafhoppers, thrips—2 lbs.; Japanese beetle—4 lbs.; Aphid and rose scale—7 lbs.; Sap beetle on raspberries—4 to 5 lbs. Do not apply within 1 day of harvest. (18 lbs. for raspberries; 16 lbs. for all others).

STRAWBERRIES: Strawberry root weevil—4 to 6 lbs. Apply to soil surface before planting and work into top 6 to 8 inches. Aphids, spider mites—2½ lbs.; potato leafhopper, strawberry leaf roller and whiteflies—4 to 6 lbs.; field crickets, lygus bug, spittlebugs and thrips—4 to 6 lbs. Do not apply within 3 days of harvest. (8 lbs.)

PECANS: Aphids, spider mites—2 to 3 lbs.; pecan bud moth, pecan leaf casebearer, pecan nut casebearer, pecan phylloxera—3 lbs. May be applied up to day of harvest. (50 lbs.)

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MALATHION 25% W.P.

EPA REG. NO. 34704-291

NOTICE OF WARRANTY

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.

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FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697