

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

MAR 3 - 1994

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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

Subject:

Label Amendment Submission of 09/21/93 in Response to PR Notice 93-7

EPA Reg. No. 34704-205

CLEAN CROP MALATHION/METHOXYCHLOR SPRAY

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.

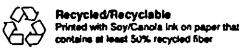
WHAT THIS ACCEPTANCE MEANS:

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.



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,

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

Attachment

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.34704-205 CLEAN CROP MALATHION/METHOXYCHLOR SPRAY

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.

BEST AVAILABLE COPY



MALATHION METHOXYCHLOR SPRAY

Organophosphate Insecticide

BY WEIGHT Aethoxychlor, Technical* , 24.0% Manthion: O,O-dimethyl phosphorodithicate of diethyl mercapto-INERT INGREDIENTS: . 52.0% TOTAL

*Equivalent to 21% 2, 2-bis (p-methoxyphenyl)-1,1,1trichloroethane and 3% other isomer and reaction products. **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 21/2 GALLONS EPA REG. NO. 34704-205 EPA EST. 34704-CO-3**

3477

WPSEXP09Y93

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

Personal Protective Equipment:

Some mater as that are chemical-resistant to this product are listed pelon. If you want more options, follow the instructions for category G on he EPA chemical resistance calegory selection chart.

Applicators and other handlers must wear: ong-sleeved shirt and ong pants, chemical-resistant gloves, such as barrier laminate or vitor

and shoes blus socks Follow manufacturer's instructions for cleaning and maintaining PPE 19

no such instructions for washables, use detergent and hot water. Keep

nd wash PPE separately from other aundry 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 pest cides (40 CFR 170 245 for (4-6)) the handler PPE regulrements may be reduced or modified as specified

n the WPS

USER SAFETY RECOMMENDATIONS

Users should

Wash hands before eating, drinking, chewing gum, using tobacco or us no the to et

Hemove c'othing immediately if pesticide gets inside. Then wash thor-

oughly and put on clean clothing. Hemove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic file 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 Iresh air. Apply artificial respiration if indi-

If On Skin: Remove conteminated 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. Alropine 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 wrigation 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 gations 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) 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

For any requirements specific to your State or Tribe, consult the agency respons big for desticide regulation.

AGRICULTURAL USE REQUIREMENTS

structions and exceptions pertaining to the statements on this labe. about personal protective equipment (PPE), and restricted entry internith sibox apply to uses of this product that are Worker Protection Standard

is product in a way that will contact workers or other is leither directly of through drift. Only protected handlers may ne area during application.

allow worker entry into treated areas during the re-

nierval (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 'reated such as plants, soil, or water, is coverall's chemical resistant gloves, such as barrier laminate or viton and shoes

BEST AVAILABLE COP

MALATHION METHOXYCHLOR SPRAY EPA REG. NO. 34704-205

NON-AGRICULTURAL USE REQUIREMENTS

The rest of the South apply to the Spriduction are NO with the south at the World South and the NO Standard To apply of the World South Apply South and the South Apply of the West applies when this product is used to produce agricultural plants on farms forests increases of

gree mouses. Keepich Idren and persicut of the freated area until sprays have dried.

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 property.

STORAGE: Store in sale 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 condinent interesting the particle handling.

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 tabel 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 Ots./acre. Make full coverage application on foliage. Repeat as infestations warrant. Do not treat during bloom.

APPLES (7): Apple Aphids, Rosy Apple Aphids, Woolly Apple Aphids— Use 1 Qt./100 gals dilute spray at prepink or pink stage or when aphids appear. Do not wait until leaves curl. Repeat if necessary.

Apple Maggot—Use 2 Qts./100 gals. dilute spray, 3-5 times as needed, every 10 days beginning when flies appear.

Bag worms—Use 3 Pts./100 gals, dilute spray in May or June when young bagworms appear. Codling Moth (Other areas than Pacific Northwest)—Use 3 Qts./100 gals, dilute spray for first brood 3-4 times 10-14 days apart beginning about 10-14 days after petal fall; for second and third broods 1-3 times at similar intervals. Eye-Spotted Bud Moth—Use 1 Qt./100 gals, dilute spray. Delayed dormant to first cover and midsummer. Japanese Beetle—Use 1 Qt./100 gals, dilute spray when beetles appear; repeat every 7-10 days as long as needed.

Leafhoppers—Use 1 OtJ100 gals, dilute spray once or twice when leaf-hoppers appear. Plum Curculio—Use 3 Ots./100 gals dilute spray. Petal fall & once or twice more 7-10 days apart. Forbes, Putnam & San Jose Scales—use 2-21/2 Pts./100 gals, dilute spray when crawlers are present; about second, sixth & seventh covers. May not be effective in some areas. Unspotted & spotted tentiform leafminers—Use 1 Ot/100 gals, dilute spray when first leaf miners appear. If heavy carryover is present, start at pink bud period. Yellow-necked & Red-humped Caterpillars—Use 1 Ot./100 gals, dilute spray when young appear, usually July & Aug.

Caution: May injure wicintosh or related varieties if used within 4 weeks of harvest.

ASPARAGUS: (3) Use 21/2 Qts./A for Asparagus Beetles and Thrips.

BEANS (3): Use 21/2 Qts./A for Aphids, Cucumber Beetles, Mexican Bean Beetle and Potato Leafhopper. Use 3 Qts./A for Flea Beetles, Japanese Beetles and Corn Earworm (on home garden only).

BEETS (7) (14 if tops are used as food or feed). Use 3 Ots /A for Blister Beetles and Flea Beetles.

BLACKBERRY (14), BOYSENBERRY (14), DEWBERRY (14), LOGAN-BERRY (14), RASPBERRY (14), Use 31/2 QIs./A on foliage as needed to control Aphids, Japanese Beetle, Rose Chafer, Rose Leathopper, Rose Scale and Strawberry Weevil.

BLUEBERRY (3): Cherry Fruitworm—Use 1 QL/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), CAULI-FLOWER (7), KALE (14), & KOHLRABI (7): Use 21/2 Ots./A for Aphids and Flea Beetles, For Diamond Back Calerpillars, Cabbage Looper &

Cross-Striped Cabbage Worm (on home garden only) spray on foliage every 7 days, beginning when insects appear.

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CANTALOUPE (1), MUSKMELON (1), PUMPKIN (3), SQUASH (1), WATERMELON (1): Use 31/2 Ots./A for Aphids, Cucumber Beetle and Potato Leafhoppers. For Watermelons, reduce dosage to 21/2 Qts./A.

CARROTS (7) (14 if tops are used as food or feed): Use 21/2 Qts./A for

CUCUMBERS (outdoors) (1): Use 3³/₄ Pts./A to control Spider mites. Use 3¹/₂ Qts./A for Cucumber Beetles and Aphids.

CHERRIES: (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 lour weeks after petal fall. Cherry & Black Cherry Fruit Flies—Use 2½ Pts./100 gals. dilute spray. Begin 6ll treatments when first flies are trapped. Japanese Beetle—Use 1 Qt./100 gals. dilute spray. Plum Curculio—Use 3 Qts./100 gals. dilute spray. See Apple directions. Rose Chafer—Use 2 Qts./100 gals. dilute spray when insect is present. San Jose & Forbes Scales—Use 2-2½ Pts./100 gals. dilute spray three weeks before & immediately after harvest.

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

EGGPLANT (7): Use 31/2 Ots./A for Aphids. Use 21/2 Ots./A for Eggplant Lace Bug and Spider Mites.

GRAPES (14): European Fruit Lecanium—Use 3º/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 3º/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 Mile—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 (outdoors) (14): Use 2-4 Qts./A to control Aphids, Use 21/2 Qts./A for Leafhoppers, Diamond Back Caterpillars and Cross-striped Cabbace Worm.

PEACHES (21) & APRICOTS (21): Green Peach, Black Cherry, Black Peach, & Rusty Plum Aphids—Use 1 Ot./100 gals. dilute spray early in season when aphids appear. Lesser Peach Tree Burer—Use 2 Ots./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 Pis./100 gals. dilute spray 3-4 times, 7-10 days apart, beginning at shuck-off.

PEARS (7), PLUMS (7), PRUNES (7): Aphids & Plum Curculio—See Apple directions.

PEAS (7): Use 2-21/2 Qt./A for Aphids. For Pea Weevil use same dosage and spray foliage during early bloom period before eggs are laid.

PEPPERS (3): Use 3 Ots./A for Flea Beetles and Pepper Maggot & Aphids (home garden only).

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

RUTABAGA (7), TÜRNIPS (7) (14 if tops are to be used as food or feed): Use 21/2 Qts:/A for aphids and Diamond Back Caterpillars, Use 3 Qts:/A for Flea Beetles.

SOYBEANS (7): To control Japanese Beetles, Mexican Bean Beetles, Soybean Caterpillars, Velvetbean Caterpillars, apply at rate of 2-3 Ots./A. Make full coverage application on foliage. Repeat as infestations warrant, Do not treat during bloom.

SPINACH (10): Use 21/2 Qts./A for Alfalfa Looper, Aphids and Beet Webworm.

STRAWBERRY (3): Use 2-4 Ots/A on foliage as needed to control Field Cricket, Lygus Bugs, Spittlebugs & Thrips. Use 2-31/2 Ots. 'A on foliage as needed to control Flea Beetles, Strawberry Leaf Beetle, Strawberry Weevil. Use 2-3 Ots/A on foliage as needed to control Potalo Leafles, Strawberry Root Weevil and Whiteflies. Use 31/2 Ots./A on foliage as needed to control Arhids. CAUTION: dosages above 31/2 Ots/A should not be applied within 14 days of hervest.

SWEET CORN (7): Use 2 Ots./A for Japanese Beetle Soray on silks and

TOMATOES (outdoors) (5): Use 21/2 Ots./A for Aphids and Spider Miles. Use 31/2 Ots./A for Blister Beetles and 4 Ots./A for Drosophila.

FLOWERS & ORNAMENTAL SHRUBS: Oyster Shell Scale & Eunonymus Scale—Use 2½ Pts./A Aphids, Spider Mites, White Fly, Thrips, Meat/ Bugs, Japanese Beetle Adult, Four Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper—Use 3½4 Pts./A. Bayworms, Juniper Scale—Use 2½2 Ots./A. Solt Brown Scale—Use 6½4 Pts./A Pine Needle Scale—Use 5 Ots./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 vibernum and avoid repeated applications to evergreens. Do not spray when temperatures are abnormally high.



MALATHION METHOXYCHLOR SPRAY EPA REG, NO. 34704-205

SHADE TREE INSECTS: To control May Beetle, Lace Bugs on Oak and Sycamore, Tussock Moth, Fall Webworm, Japanese Beetle, Forest Tent Caterpiller, Eastern Tent Caterpiller, Gypsy Moth, Elm Leaf Beetle and Cankerworms on shade trees, use 1-2 Ots. 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 temperature, Do not spray when temperatures are abnormally high. Avoid repeated applications to evergreens.

MOSQUITO CONTROL

MALATHON 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 linish.

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 METHOXY- CHLOR SPRAY	Concen- tration	Acre Rate
For 100 gals. of Spray Solution	96.5 gals.	3.5 gals.	1%	0.5 lb. actual per acre
For 5 gals. of Spray Solution	4 gals, plus 7 piets	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	MALAPHION METHOXY- CHLOR SPRAY	Concen- tration	Acre Rate
For 100 gals. of Spray Solution	96 gals.	4 gals.	1%	0.5 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 ocosolvent (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 MALATHON METHOXYCHLOR SPRAY in either light fuel oil or water to make 10 gats, of spray and apply to 1 acre (equivalent to 1 gal. per 100 gats.). Spray marshland, swamps and low lying areas, standing water and puddles. Thorough even covorage 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.

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.

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