



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OCT 19 1995

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Russel F. Sawyer
Regulatory Affairs Manager
Riverdale Chemical Company
425 West 194 th Street
Glenwood, IL 60425-1584

Label Amendment Resubmission of dated 08/25/94 in Response to
PR Notice 93-7

EPA Reg. No. 228-105
Riverdale Methoxychlor Emulsifiable Concentrate

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.

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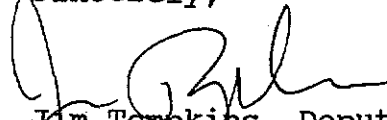
Submit the final printed labeling via the U.S. Postal Service to:

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
Fungicide Herbicide Branch
Registration Division (7505W)

Attachment

RIVERDALE
METHOXYCHLOR
EMULSIFIABLE CONCENTRATE

COPY ^{3/8}

To kill Gypsy Moth, Inchworms, Japanese Beetles and other listed insects on
Roses, Flowers, Shrubs, Trees, Fruits and Vegetables.

ACTIVE INGREDIENT:		
Methoxychlor: 1,1,1-trichloro-2, 2-bis (p-methoxyphenyl) ethane	24.0%	
INERT INGREDIENTS:	76.0%	
TOTAL	100.0%	

ONE GALLON CONTAINS 2 POUNDS TECHNICAL METHOXYCHLOR

KEEP OUT OF REACH OF CHILDREN

CAUTION-CAUCION

Si usted no entiende la etiqueta, busque a alguien para que
se la explique a usted en detalle.

(If you do not understand the label, find someone to
explain it to you in detail.)

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY
STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT.

NET CONTENTS GALS.

EPA REG. NO. 228-105

EPA EST. NO. 228-IL-1

MANUFACTURED BY
RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584

NOTE: Spanish language is optional.

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 19 1995

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

228-105

Revised A/O 4/20/93

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION-CAUCION**

Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

NON-WPS USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural plant uses are covered by the WPS - must wear: No clothing required.

WPS USES:

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 G on an EPA chemical resistant category selection chart.

Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, agricultural plant uses are covered - must wear: long-sleeved shirt and long pants; chemical-resistant gloves such as Barrier Laminate, or Viton \geq 14 mils; and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instruction 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 the 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 a physician immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give person one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. Apply respiration if indicated.

IF ON SKIN: Wash immediately with soap and water.

IF IN EYES: Flush eyes with plenty of water.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH

LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

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 Barrier Laminate or Viton \geq 14 mils; 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. No re-entry restrictions for non-crop uses.

FOR CONTROL OF ELM BARK BEETLES - Hydraulic Sprayers - Mix with water at the rate of 8 gallons METHOXYCHLOR E.C. SPRAY to 200 gallons water. Apply sufficient spray to thoroughly wet all bark on trunk, limbs and twigs. 20 to 30 gallons of spray are usually required for a 50-foot elm tree.

Mist Blowers - Mix with water at a rate of 5 gallons Methoxychlor E.C. Spray to 10 gallons water. Thorough coverage of all bark surfaces is important, usually 2 to 3 gallons of spray are required to adequately cover a 50-foot elm tree. All applications should be made as a dormant treatment before new leaves or flowers appear in the Spring. Apply when temperature is above 40°F and there is no danger of freezing before the spray dries.

FORAGE CROPS - (Alfalfa, clover, grass, soybeans, cowpea and peanut forage) - Make application at first sign of infestation and repeat 7 to 14 day intervals as needed. Do not apply later than 7 days before harvest or grazing. Do not graze or feed treated cowpea vine, cowpea hay, soybean hay or straw to livestock.

Leafhopper, spittlebug - Use 1 to 2 qts. in sufficient water to cover 1 acre. **Alfalfa caterpillar, flea beetles** - Use 1-1/2 to 2 qts. in sufficient water to cover 1 acre. **Alfalfa weevil larvae, Alfalfa webworm, Fall armyworm, Clover leaf weevil, Mexican bean beetles, Pea weevil, Soybean caterpillar, Velvet bean caterpillar** - Use 2 to 3 qts. in sufficient water for 1 acre. **Cowpea curculio, Japanese beetle** - Use 3 qts. in sufficient water for 1 acre. **Armyworm** - Use 3 to 4 qts. in sufficient water for 1 acre.

POTATOES - To control Colorado potato beetle, leafhopper and flea beetles, use 2 quarts in sufficient water for 1 acre. Repeat as necessary.

GRAIN STORAGE BINS - To clean up storage in empty storage bins, use 1 gallon in 10 gallons water applying rate of 2 gallons spray per 1,000 sq. ft. before products are stored. This aids in control of cadelle, flat grain beetle, sawtoothed grain beetle, lesser grain borer, red flour beetle, long-headed flour beetle, rice weevil, granary weevil, confused flour beetle, foreign grain beetle and hairy fungus beetle.

NOTE: Do not add grain to bin for at least 24 hours or until walls have dried, but thoroughly.

SELF APPLICATOR FLY CONTROL ON CATTLE - (Except dairy animals) - for control of hornflies,

dilute 1 gallon with 4 gallons of diesel fuel or furnace type oil. Do not use any other type of oil. Use 1 gallon of solution to saturate burlap on "back rubber", soak burlap every 2 to 3 weeks.

MOSQUITO CONTROL - METHOXYCHLOR E.C. SPRAY is effective in the control of Mosquitoes, born Adult and Larvae on non-Agricultural land and may be applied as a fog or mist from suitable equipment.

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 wind exceed 5 miles per hour as effectiveness is reduced.

	Fuel Oil	Methoxychlor E.C./Concentration	Acre Rate
For 100 gal. of Spray Solution	96.5 gal.	3.5 gal.	1% 0.5# actual per acre
For 5 gal. of Spray Solution	4 gal. + 7 pints	1 pint	1% 0.5# actual per acre

Note 5 to 7 gallons of Thermal Fog Spray solution should cover 1 acre.

SPRAYING EQUIPMENT. Mist blowers or sprayers require mixing of the METHOXYCHLOR E.C. in water solution and applying as a mist to areas frequented by Adult Mosquitoes.

	Fuel Oil	Methoxychlor E.C./Concentration	Acre Rate
For 100 gal. of Spray Solution	96 gal.	4 gal.	1% 0.5# actual per acre
For 5 gal. of Spray Solution	4 gal. + 7 pints	1.5 pint	1% 0.5# actual per acre

Note 5 to 7 gallons of spray solution should cover 1 acre.

AIRCRAFT SPRAYING - Over large land areas. For low volume spraying, mix 1 gallon of METHOXYCHLOR E.C. in 15 gallons of light fuel oil or co-solvent (such as Esso HAN, Sinclair 110 etc.) and apply approx. 4 gallons per acre.

MOSQUITO LARVAE - On non-agricultural land, beaches and other public park areas.

SPRAYING: Mist blowers or Power sprayers.

Mix 1 pint of METHOXYCHLOR E.C. in either light fuel oil or water to make 10 gallons of spray and apply to 1 acre (Equivalent to 1 gallon per 100 gallons). Spray Marshland, swamps and low lying areas, standing water and puddles. Thorough even coverage is essential for effective control. Application rate should be equivalent to 0.2# actual per acre sprayed. Repeat as necessary for control. Apply only to known Mosquito Breeding sites and in Approved Spray areas.

DO NOT SPRAY FOOD CROPS WITHIN THE NUMBER OF DAYS SHOWING IN PARENTHESES FOR EACH CROP

FRUIT TREES

Apples (7) Apricots (21)
Cherries (7) Nectarines (21)
Peaches (21) Pears (7) Plums
(7) Prunes (7) Quince (7)

INSECTS

Apple maggot, Cankerworm,
Cherry Fruit Fly, Fruit
Worm, Cooling Moth, Japanese
Beetles, Leafhopper, Pear
Slug, Plum Curculio, Tent
Caterpillar

DOSAGE

Use 1-1/2 to 2 tablespoons
in gallon of water. Spray
thoroughly to cover all
plant surfaces. Begin at
petal fall. Repeat at 7 to
14 day intervals, as needed
to maintain effective
control.

VEGETABLES

Asparagus (3) Beans (3)
Beets (14) Broccoli (14)
Brussel sprouts (14) Cabbage
(3) Carrots (14) Cauliflower
(7) Collards (14) Corn (7)
Cucumber (1) Eggplant (7)
Kohlrabi (1) Lettuce (14)
Melons (7) Peas* (7) Pep-

INSECTS

Asparagus Beetle, Beanleaf
beetle, Blister Beetle,
Colorado Potato Beetle, Corn
Earworm, Cross-Striped Cab-
bageworm, Cucumber Beetle,
Fall Army Worm, Flea Beetle,
Imported Cabbage Worm, Japa-
nese Beetle, Leafhopper, Me-

DOSAGE

Use 1-1/2 to 2 tablespoons
in 1 gallon of water. Re-
peat at 7 to 10 day inter-
vals as needed to maintain
effective control.

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pers (7) Potatoes (0)	lon worm, Mexican Bean
Pumpkins (7) Radishes (7)	Beetle, Pea Weevil, Rose
Rutabagas (7) Spinach (14)	Chafer, Squash Vine Borer,
Squash (7) Summer Squash (7)	Tomato Hornworm
Tomatoes (7) Turnips** (7)	

*Peas - Do not graze or feed treated pea vines or pea hay to livestock.

**Turnips - If tops are used for food, do not spray within 14 days of harvest.

SMALL FRUITS & BERRIES

Blackberries (14) Blueberries (14) Cranberries (14) Currants (14) Gooseberries (14) Grapes (14) Loganberries (24) Raspberries (14) Strawberries (14)

INSECTS

Cankerworm, Cherry Fly, Cranberry Fruit Grape Berry Moth, Leaf Skeletonizer, Japanese Beetle, Leafhopper, Oriental Fruit Moth, Slug, Rose Chafer, San Jose Scale (Crawlers), Spittlebug, Strawberry Weevil.

DOSAGE

Use 1-1/2 to 2 tablespoons in 1 gallon of water. Spray thoroughly to cover all plant surfaces. Repeat 7 to 14 day intervals, as needed to maintain effective control.

SHADE TREES ORNAMENTAL

Birch, Dogwood, Elm, Holly, Magnolia, Maple, Oak, Pine, Sycamore

INSECTS

Blister Beetle, Cankerworm, Cucumber Beetle, Eastern Tent Caterpillar, Elm Leaf Beetle, Fall Webworm, Fall Armyworm, Flea Beetle, Forest-Ten Caterpillar, Gypsy Moth, Inchworm, Japanese Beetle, Leaf Hopper, Lacebug, Leaf Roller, May Beetle, Rose chafer, Rose Slug, Saw Fly, Spittlebug, Tent Caterpillar, Tussock Moth

DOSAGE

Use 3/4 to 1-1/2 tablespoons in 1 gallon of water. Spray thoroughly to cover all plant surfaces. Repeat at 7 to 14 day intervals as needed to maintain effective control.

Scale insects and Elm Bark Beetle Use 3 to 4 tablespoons per 1 gallon of water.

- Dormant Application Only

NOTE: Do not spray Chinese Elms, Japanese Maples, Red Maples and Redbud; foliage may be injured.

ROSE - FLOWERS - EVERGREENS - SHRUBS

Andromedas, Arborvitae, Asters, Azaleas, Begonias, Boxwood, Camellias, Carnations, Chrysanthemums, Coleus, Dahlias, Delphiniums, Euonymus, Geraniums, Gladioli, Juniper, Marigolds, Nasturtiums, Rhododendron, Roses, Snap Dragons, Taxus, Zinnias.

INSECTS

Flea Beetle, Blister Beetle, Jap Beetle, Leaf Hopper, Flea Hopper, Lacebugs, Cankerworms, Rose Chafer.

DOSAGE

Use 1-1/2 to 2 tablespoons per 1 gallon of water. Spray thoroughly to cover all plant surfaces. Repeat 7 to 14 day intervals, as needed to maintain effective control.

NOTE: Do not use on Petunias, Boston Maiden Hair, Pteris Fern and Crassula.

STORAGE AND DISPOSAL

STORAGE: Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. If container is damaged or if

pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. Do not contaminate water, food or feed by storage or disposal. If exposed to prolonged cold, place in warm storage (50° to 80°F) for several hours and agitate before using. Users should observe the usual precautions concerning application of oil-containing products to crops during high temperatures, since many crops are then more susceptible to oil injury.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixtures, 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: 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.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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