

PM 14 16-155

1077 File



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

JAN 27 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Rebecca M. Horton
Dragon Corporation
P.O. Box 7311
Roanoke, VA 24019

SUBJECT: Label Amendment Submission of 7/21/93 in Response to PR Notice 93-7
EPA Reg. No. 16-155
Dragon Methoxychlor Insect Spray

Dear Registrant:

EPA has determined that **this product does not fall within the scope of PR Notice 93-7**. The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted. 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.



Recycled/Recyclable
Printed with SoyCanso on an paper that
contains at least 50% recycled fiber

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.

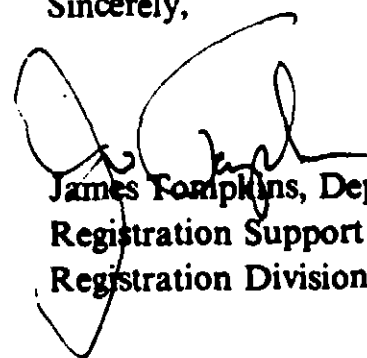
Submit the final printed labeling via the U.S. Postal Service to:

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,



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

Enclosures

**DRAGON®
METHOXYCHLOR INSECT SPRAY**

EPA Reg. No. 16-155 EPA Est. 16-VA-1

Net Contents 8 OZ / 1 PT (16 FL OZ)

For control of mosquitoes, insect pests of shade trees, flowers, ornamentals and vegetables.

Controls insects on fruit, vegetables and ornamentals.

Provides adult and larval mosquito control.

[NOTE TO EPA: Front panel includes sample graphics of listed insects, e.g., Colorado Potato Beetle, Tent Caterpillar, Squash Vine Borer.]

ACTIVE INGREDIENT:	BY WT.
*Methoxychlor [1,1,1-trichloro-2,2-bis(p-methoxyphenyl) ethane]	25%
INERT INGREDIENTS:	<u>75%</u>
TOTAL:	100%

*Equivalent to 22% of 2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane and 3% of other isomers and related compounds. Contains 2 lbs. methoxychlor technical per gallon. Contains xylene.

**Keep Out of Reach of Children
CAUTION**
See back/side panel(s) for additional precautions.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 27 1994

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

16-155

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT: 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. Do not use this product with spray materials incompatible with oil. Do not apply within 14 days of sulphur product application.

FOR HOMEOWNER USE ONLY

DRAGON® Methoxychlor Insect Spray contains 2 pounds Methoxychlor per gallon and is to be used in a mixture with water for spray control of insects shown on this label. Use this product only according to the directions given on the label.

FRUITS & BERRIES

Mix 1½ Tbs. per gallon of water (4 oz. per 6 gals.) and spray as directed. The number in parentheses () following each crop group refers to the minimum number of days that must be observed between the date of last application and the date of harvest.

Fruits & Berries (cont'd.)

- Apple (7):** *Apple maggots* — Spray all surfaces of foliage and fruit when adults first appear. Repeat at 7-10 day intervals as long as adults are present. *Codling moths, Japanese beetles, Leafhoppers, Plum curculios* — Apply first spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants.
- Apricot (21):** *Plum curculios* — Apply first spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants.
- Blackberry (3):** *Flea beetles, Japanese beetles, Rose chafers, Strawberry weevils* — Apply when insects first appear. Repeat application at 7-10 day intervals as infestation warrants.
- Blueberry (3):** *Cherry fruitworms, Cranberry fruitworms, Plum curculios, Leafhoppers* — Apply when insects first appear. Repeat application at 7-10 day intervals as infestation warrants.
- Cherry (7):** *Plum curculios* — Apply first spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants. *Cherry fruit flies, Cherry fruit worms* — Apply as a thorough cover spray when insects first appear. Repeat at 7-10 day intervals as long as adults are present.
- Grape (14):** *Flea beetles, Japanese beetles, Grape leaf skeletonizers, Leafhoppers, Rose chafers* — Apply when insects first appear. Repeat application at 7-10 day intervals as infestation warrants. *Grape berry moths* — Apply as a post-blossom cover spray and repeat 10 days later — make third and fourth applications at 10 day intervals if necessary.
- Peach (21):** *Plum curculios* — Apply as a thorough cover spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants.
- Pear (7):** *Codling moths, Pear slugs* — Apply as a thorough cover spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants.
- Plum, Fresh Prune (7):** *Plum curculios* — Apply as a thorough cover spray at petal fall and make two or more additional applications at 7-10 day intervals if infestation warrants.
- Raspberry (3):** *Japanese beetles, Rose chafers* — Apply when insects first appear. Repeat application at 7-10 day intervals as infestation warrants.
- Strawberry (3):** *Flea beetles, Spittlebugs, Strawberry leaf beetles, Strawberry weevils* — Apply when insects first appear. Repeat application at 7-10 day intervals as infestation warrants.

VEGETABLES

For control of the following insects, apply 2½-5 fl. oz. (5-10¼ Tbs.) per gallon of water to cover 1,742 sq. ft. (an area approximately 50'x35'). Thoroughly spray upper and lower foliage surfaces, as well as the fruit. Begin treatment at first sign of insect infestation and repeat at 7 to 10 day intervals as infestation warrants. The number in parentheses () following each crop group refers to the minimum number of days that must be observed between the date of last application and the date of harvest.

Asparagus (3): Asparagus beetle. **Beans, dried & succulent (3):** Bean leaf beetle, Corn earworm, Fall armyworm, Japanese beetle, Leafhopper, Rose chafer, Mexican bean beetle. **Black-eyed Peas (3):** Cowpea curculio. **Beets, roots & greens (tops) (7 days, 14 days if tops are to be used as food or feed):** Blister beetle, Flea beetle. **Broccoli, Brussels sprouts (14):** Imported cabbage worm, Cross-striped cabbage worm, Flea beetle. **Cabbage (3):** Imported cabbage worm, Cross-striped cabbage worm, Flea beetle. **Carrots (7 days, 14 days if tops are to be used as food or feed):** Leafhopper. **Cantaloupes (7):** Cucumber beetle, Melon worm. **Cauliflower (7):** Imported cabbage worm, Cross-striped cabbage worm, Flea beetle. **Collards (14):** Flea beetle. **Corn (field & sweet) (7):** Fall

armyworm, Flea beetle, Japanese beetle, Rose chafer. ~~DO NOT feed treated corn to domestic animals.~~ Corn (sweet) (7): Corn earworm — Apply to silks as soon as they appear. Make 3 to 4 applications at 2 to 3 day intervals as infestation warrants. Re-apply immediately after a rain. ~~DO NOT feed treated corn to domestic animals.~~ Cucumber (7): Cucumber beetle. Eggplant (7): Flea beetle, Leafhopper. Kale (14): Flea beetle. Kohlrabi (7): Flea beetle. Melons (7): Cucumber beetle, Melon worm. Peas (7): Pea weevil. ~~DO NOT feed treated pea vines or pea hay to domestic animals nor allow them to feed in treated areas.~~ Peppers (7): Flea beetle, Leafhopper, Rose chafer. Potatoes (0): Flea beetle, Blister beetle, Colorado potato beetle, Leafhopper. Pumpkins (7): Cucumber beetle, Squash vine borer. Radishes, Radish tops (7): Flea beetle. Rutabagas, Rutabaga tops (7): Flea beetle. Squash (7): Cucumber beetle, Squash vine borer. Tomatoes (7): Blister beetle, Colorado potato beetle, Flea beetle, Leafhopper, Fall armyworm, Tomato fruitworm, Japanese beetle, Tomato hornworm. Turnips, Turnip tops (14): Flea beetle.

FOREST & SHADE TREES

Preparation of spray solutions: 12% spray — Dilute 1 part DRAGON® Methoxychlor Insect Spray with 1 part water. 6% spray — Dilute 1 part DRAGON® Methoxychlor Insect Spray with 3 parts water. 2% spray — Dilute 1 part DRAGON® Methoxychlor Insect spray with 12 parts water. 1% spray — Dilute 1 part DRAGON® Methoxychlor Insect Spray with 24 parts water.

Mix 1 pint DRAGON® Methoxychlor Insect Spray with 3 pints of water for mist blower solution or 3¼-6½ Tbs. DRAGON® Methoxychlor Insect Spray per 5 gallons of water for conventional sprayer.

For control of the following insects, use a 6% methoxychlor solution with a mist blower at rates recommended in the following table.

Insects	Pints 6% Solution Per Tree				Gallons 6% Solution Per Acre
	30-50'	50-65'	65-80'	80-120'	
Cankerworm	2	2	3	4	2
Eastern tent caterpillar	2	2	3	4	2
Elm leaf beetle	2	4	6	8	
Fall webworm	½	1	2	2	1
Forest tent caterpillar	1	1½	2	3	2
Gypsy moth	½	1	2	2	2
Japanese beetle	2	4	4	4	3
Lace bug (oaks & sycamore)	1½	2	3	4	2
May beetle	1½	2	3	4	2
Tussock moth	2	2	3	4	2

Control of Elm Bark Beetle (Vectors of Dutch Elm Disease) — Apply first application before elm flowers or leaves sprout using a 12% spray solution of DRAGON® Methoxychlor Insect Spray with a mist blower, or a 2% spray solution in a conventional sprayer. This application will usually be applied in March in the southern states and in April in the northern states. Use 2 to 3 gallons of spray solution, wetting all surfaces thoroughly. Second application should be made 2½ to 3 months after the first treatment. Reduce the active ingredient to 6% solution for mist blower, or 1% solution for conventional sprayer. Cover all leaf and bark surfaces.

Control of Elm Leafhopper (Vectors of Elm Phloem Necrosis) — Apply first application when elm leaves are fully grown. Use a 6% spray solution of DRAGON® Methoxychlor Insect Spray with a mist blower, or a 1% spray solution in a conventional sprayer. This application will be made in May in the southern states and in June in the northern states. Thoroughly cover all leaf surfaces. When second flush of growth appears, usually 1 to 2 months after first treatment, repeat the above application covering all leaf surfaces thoroughly.

In those states where both the elm leafhopper and elm leaf beetle are known to be present, a three spray schedule will provide effective control. Apply protective spray before elm flowers or leaves sprout, follow with second protective spray 2½ to 3 months after the first. Then apply the third protective spray about 1 to 3 months after the second protective spray. Be sure to thoroughly cover all bark and foliar surfaces with each protective spray.

ROSES, FLOWERS & ORNAMENTALS

Andromedas, Arborvitae, Asters, Azalea, Begonia, Birch, Boxwood, Camellia, Carnation, Chrysanthemums, Coleus, Dahlias, Delphinium, Elm, Euonymus, Geraniums, Gladiolus, Holly, Juniper, Magnolia, Maple, Marigold, Nasturtium, Oak, Pine, Rhododendron, Roses, Snapdragon, Sycamore, Zinnia

To control Rose chafer, Leafhopper, Spittlebug, Japanese beetle, Lace bug, Flea beetle — Mix 1½ to 2 Tbs. per gallon of water (4-6 oz. per 6 gals.). Apply to thoroughly cover all plant surfaces when small larvae begin feeding. Repeat at 7-14 days as needed to maintain effective control. DO NOT spray Chinese elms, Japanese maples, red maples or redbuds, as foliage may be damaged.

MOSQUITO CONTROL

DRAGON® Methoxychlor Insect Spray is effective for controlling both adult and larval mosquitoes around home grounds, patios and picnic areas.

Adult Mosquitoes—Thermal fogging is effective if applied during the active periods of the adults (morning and evening). Avoid fogging when winds exceed 5 miles per hour as its effectiveness is reduced. For fogging small areas, mix 6½ Tbs. in 1 gal. of light fuel oil to cover 8,700 sq. ft. (an area 87'x100').

Adult Mosquitoes—Mist blowers or sprayer equipment require mixing DRAGON® Methoxychlor Insect Spray with water. For spraying small areas, mix 9¾ Tbs. in 1 gal. of water to cover 8,900 sq. ft. (an area 89'x100').

For mosquito larval control, mix 3 Tbs. of DRAGON® Methoxychlor Insect Spray in 1 gal. of light fuel oil or water to cover 4,300 sq. ft. (an area 43'x100'). Apply to marshlands, swamp or low

lying areas. Thorough, even coverage is essential for effective control. Repeat application as infestation warrants. Apply around the perimeter of lakes, streams, ponds, swamps, marshes, estuaries and other areas of standing water (intermittently flooded areas, stagnant water, temporary rain pools, sloughs and ponds) where mosquito larvae are to be controlled.

NOTE: This product is toxic to fish. Keep out of lakes, streams and ponds. Rates recommended on this label are toxic to shrimp and crabs. **DO NOT** apply where these species are an important resource. **DO NOT** apply to water drainage areas where runoff or flooding will contaminate ponds.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Keep out of reach of children. Harmful if swallowed or inhaled. Avoid breathing of spray mist. Avoid contact with skin, eyes. In case of contact, wash immediately with soap and water — may be absorbed through skin. Wash thoroughly after using. Do not use on pets or humans. Keep children and pets off treated areas until spray has dried.

Do not enter or allow entry into treated areas until sprays have dried to perform hand labor tasks. A person may enter the area to perform other tasks only if the person is wearing the protective equipment listed on the label for a pesticide handler.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers wearing long pants, long sleeved shirts, socks, shoes and chemical resistant gloves may be in the area during application

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Call a physician immediately.

IF INHALED: Remove to fresh air.

IF ON SKIN: Wash immediately with soap and water.

IF IN EYES: Wash with plenty of water. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

STORAGE & DISPOSAL

STORAGE: Store only in original container, in a cool dry place, inaccessible to children and pets, and away from foodstuffs.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty container. Rinse thoroughly and discard in trash.

NOTICE: Buyer assumes all risks of use, storage or handling of this material not in strict accordance with **DIRECTIONS** and **CAUTIONS** stated on this label.

Distributed by
DRAGON CORPORATION
Roanoke, VA 24019