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Cooke Laboratory Products  
7737 Northeast Killingsworth  
Portland, OR 97218

Gentlemen:

APR 14 1992

Subject: Amended Precautionary Statements  
Cooke 57% M. Iathion Garden Spray  
EPA Registration No. 909-101

This is in response to your application of January 31, 1991 requesting that the precautionary statements be revised to match those appearing on the current registered label for EPA Reg. No. 241-47.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling:
  - a. Since no "attached booklet" was submitted, the following statement must be deleted.  
  
See attached booklet for additional use directions.
  - b. Reinstate the use on hops as it appears on your current registered label for the product dated March 27, 1990. Requests for voluntary deletion of uses must be submitted as a separate amendment in accordance with the procedures of PR Notice 91-1.
  - c. Adjust your application rates so that they agree with those appearing on your label registered March 27, 1990 for the product. The application rates for several of the commodities listed on your labeling submitted January 31, 1991 are substantially higher than those appearing on your label registered March 27, 1990.

60227:f:Mautz:WP14-04:KEVRIC:04/06/92:05/06/92:aw:wo:dd:aw

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

- d. Delete the reference to "wetlands" under the "Environmental Hazards" section and replace it with the following:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

It is noted that the subject label includes several uses that may not be supported during the reregistration phases of malathion. Your subsequent application of November 18, 1991 requesting the deletion of such uses was found to be in compliance with PR Notice 91-1 and will be processed as a separate amendment.

It is assumed that the November 18, 1991 application supersedes your labeling submission of November 14, 1991 which showed deletion of several uses but which was not submitted in compliance with PR Notice 91-1.

2. Submit your revised Application for Pesticide Amendment (EPA Form 8570-1) showing the completion of Section III, items 1 through 6. These items were not completed on your application of January 31, 1991.
3. Submit your certification that the package for the subject product meets the child-resistant packaging standards of 40 CFR 157.32 within 6 months of the date of this letter. Refer to the enclosed copy of the Child-Resistant Packaging (CRP) regulations. Based on the acute toxicity studies submitted to support the registered product you have cited to support your requested change in signal word, your product meets the toxicity criterion of the CRP regulations. It also meets the use criterion since the product labeling can reasonably be interpreted to permit residential use as defined in § 157.21(e) of the enclosed CRP regulations.
4. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

COOKE 57% MALATHION GARDEN SPRAY

Controls Aphids, Leafhoppers, Red Spider Mites, Thrips, Mealybugs and Many Other Common Garden Insects on Flowers, Shrubs, Evergreens, Vegetables, and Fruits

ACTIVE INGREDIENTS:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate . . . . 57%

INERT INGREDIENTS . . . . 43%

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

APR 14 1992

Keep out of reach of children

WARNING

See side panel for additional precautionary statements

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

909-101

NET CONTENTS 1 QT.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful if inhaled, swallowed, or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. Wash skin thoroughly after handling. Remove and wash contaminated clothing before reuse. May be a skin sensitizer. Causes eye irritation.

STATEMENT OF PRACTICAL TREATMENT: If Swallowed: Do not induce vomiting. Get medical attention. If In Eyes: Immediately flush eyes and skin with plenty of water for at least 15 minutes. Call a physician. If On Skin: Immediately wash with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention. If Inhaled: Remove affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. NOTE TO PHYSICIAN: Malathion is a cholinesterase inhibitor. 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. Do not apply directly to water or wetlands, (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

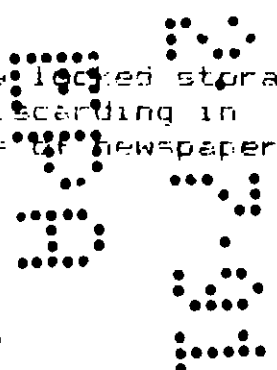
This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS: Flammable. Keep away from heat and open flame.

STORAGE AND DISPOSAL

Store this product in its original container and keep in a locked storage area. Do not reuse container. Rinse thoroughly before discarding in trash. Securely wrap original container in several layers of newspaper and discard in trash.

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DIRECTIONS FOR USE

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

SHAKE WELL BEFORE USING. KEEP FROM FREEZING.

ROSES, ORNAMENTALS, FLOWERS, EVERGREENS

To Control Aphids, Spider Mites, Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetle (adult), Potato Leafhopper, Rose Leafhopper, Tarnished Plant Bug, Thrips, Lace Bugs, Healybugs, Whiteflies, Oak Kermites, Tent Caterpillar, Oyster Shell Scale, Euonymus Scale, Scurfy Scale, Azalea Scale, Magnolia Scale, Pine Leaf Scale, Fletcher Scale, Florida Red Scale, Juniper Scale, Black Scale Crawlers, Soft Brown Scale, Monterey Pine Scale - use 2 teaspoons in 1 gallon of water; or 2 tablespoons in 3 gallons. To Control Fine Needle Scale and Wax Scale - use 4 teaspoons in 1 gallon of water; or 4 tablespoons in 3 gallons.

Spray on first appearance of insect or insect damage. For scale, make first application when scale crawlers have settled on foliage. Repeat at 7 to 10 day intervals or as needed to maintain control. Apply as a thorough foliage spray. Coverage may vary, depending upon the amount of foliage to be treated. Spray to thoroughly cover plant or tree, including underside of leaves.

USE PRECAUTION: Injury may occur to Ferns, Hickory, Viburnum, Lantana, Crassula (example: Jade Plant) and Canaret Juniper following the use of this product. Slight injury may occur to Boston, Pteris, and Maidenhair ferns, Petunias, Small-leaf Spirea, White Pine and Maples. Under extreme heat, drought and disease conditions, slight injury may occur to Elms.

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FRUITS, NUTS

Spray on first appearance of insect or insect damage. Repeat at 7 to 10 day intervals or as needed to maintain control. Apply as a thorough foliage spray at the rate of 1 gallon mixed spray to 350 sq. ft. of garden area or 3 gallons to 1050 sq. ft. Coverage may vary depending upon the amount of foliage to be treated. Spray to thoroughly cover plant, including underside of leaves.

The numbers in parentheses ( ) following each fruit or nut indicate the number of days waiting time between spraying and harvest. The amount in brackets [ ] refers to the amount of product to add to one gallon of water.

Almonds (0) - Aphids, Spider Mites [1 1/2 - 2 tsp]. Peach Twig Borer [1 1/2 - 2 1/2 tsp]. Note: To control Peach Twig Borer, apply during petal fall.

Apples (3) - Budmoth, Fomes Scale, Wool Apple Aphid, Eastern Tent Caterpillar [2 tsp]. Green Apple Aphid, Rose Apple Aphid [4 1/2 tsp]. Codling Moth, Plum Curculionid, Red-banded Leafroller [6 tsp]. Healybug, Mites such as Clover, European Red, Twospotted, Willamette [3 - 6 tsp]. Note: May cause fruit injury to McIntosh and Cortland varieties if spray is applied within 2 weeks of harvest. This product may be combined with

Cooke Summer & Dormant Oil Insect Spray Concentrate for use as a Dormant or Delayed Dormant\* Spray to control Aphids, Mites, Red-banded leafrollers: Use 1 tsp per gallon of water. See Summer & Dormant Oil label for recommended oil rates. Apply to fully cover all plant surfaces.

\*Delayed Dormant - The period just before blossom buds break open.

Apricots (7) - Aphids, Codling Moth, European Fruit Lecanium, Orange Tortrix, Soft Brown Scale, Terrapin Scale [7 - 4 1/2 tsp].

Avocado (7) - Greenhouse Thrips, Latania Scale, Omnivorous Looper, Orange Tortrix, Soft Brown Scale [5 tsp].

Blackberry, Boysenberry, Dewberry, Loganberry, Raspberry (1) - Aphids, Rose Scale Chafers, Japanese Beetle, Leafhoppers, Mites, Thrips [0 tsp].

Blueberries (1) - Cherry Fruitworm, Cranberry fruitworm [1 1/2 tsp]. Japanese beetle [1/2 tsp].

Cherry (3) - Black Cherry Aphid, Fruit Tree Leafroller [4 1/2 tsp]. Cherry Fruit Fly, Japanese beetle [7 tsp]. Note: This may occur on certain varieties of sweet cherries, particularly in the Northwest.

Citrus: Grapefruit, Kumquat, Lemon, Lime, Orange, Tangerine, Tangelo (all 7) - Black Scale (single and off-brooded), California Red Scale, Citricola Scale, Purple Scale, Soft Brown Scale, Yellow Scale, Citrus Red Mites, Thrips [4 1/2 tsp]. Florida Purple Scale, Florida Red Scale [6 tsp]. Note: Do not apply when trees are in bloom.

Currants, Gooseberries (7) - Japanese Beetles [0 tsp]. Rose Chafers [0 1/2 tsp].

Figs (3) - Dried Fruit Beetles, Vinegar Flies [1 1/2 tsp plus 4 tsp unsulfured molasses].

Filberts (3) - Apple Greenhouse, 8 spotted, 10 spotted, Filbert canker, Tingids, Scales (crawler stages) [7 tsp].

Grapes (3) - Leafhoppers, Spider Mites, European Fruit Lecanium [2 1/2 tsp]. Mealybugs [1 tsp]. Note: To control European Fruit Lecanium, apply to thoroughly cover all plant surfaces shortly after bloom, when newly hatched nymphs are migrating over vines. Injury may occur to America, Cardinal, Italia and Ribier grape varieties if applications are made after clusters appear.

Macadamia Nuts (3) - Green Stink Bugs [7 tsp]. Note: Apply, when insects start to feed on the nuts. Repeat as necessary.

Melons: Cantaloupe, Casaba, Crownhead, Honey dew, Honey Ball, Muskmelon, Persian, Watermelon, and hybrids (all 1) - Aphids, Spider Mites [1 - 1 1/2 tsp]. Cucumber beetles [1 1/2 - 2 tsp]. Leaf Miners [1 1/2 tsp]. Leafhoppers [1 - 1 1/2 tsp]. Flea hoppers [1 1/2 tsp]. Squash Vine Borer [2 tsp]. Note: Do not apply unless plants are dry.

Papaya (3) - Aphids, Mealybugs [7 - 4 1/2 tsp].

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Peach (7) - Black Cherry Aphid, Black Peach Aphid, European Red Mite, Green Peach Aphid, Rusty Plum Aphid, Japanese beetle, Spider Mites [2 tsp]. Oriental Fruit Moth, Plum Curculio, Cotton Peach Scale, European Fruit Lecanium, Terrapin Scale [4 1/2 tsp]. Note: To control scale or lecanium on peaches, spray to thoroughly cover all plant surfaces when hatch is complete (end of June).

Pears (1) - Aphids, Mealybug, Mites, Pear Psylla [2 tsp]. Codling Moth, Fruit-tree Leafroller, Plum Curculio, Red-banded Leafroller [4 1/2 tsp]. Note: Injury may occur when applied to Rose pears.

Pecans (0) - Aphids, Spider Mites, Walnut Aphid, European Red Mite, Pecan Phylloxera [1 tsp]. Note: Make application when buds begin to develop. Pecan Nut Casebearer, Walnut Husk Fly [4 1/2 tsp]. Note: Make application after first generation eggs begin to hatch.

Plums, Prunes (3) - Mealybug Aphid, Plum Curculio [2 tsp].

Quince (3) - Codling Moth, Oriental Fruit Moth, Plum Curculio, Spider Mites [4 1/2 tsp]. Japanese Scale [2 tsp]. Note: Spray to thoroughly cover all plant surfaces when flowers are present, spray fruit in second cover spray after July 15.

Strawberries (3) - Aphids, Spider Mites [1 tsp]. Field Crickets, Lygus Bugs, Spittlebug, Thrips [1 - 2 tsp].

Walnuts (0) - Aphids, European Red Mite, Walnut Aphid, Walnut Husk Fly [1 - 2 tsp].

#### VEGETABLES

on first appearance of insect or insect damage. Repeat at 7 to 10 day intervals or as needed to maintain control. Apply as a thorough dilute spray to the roots of plants and to the foliage of plants as needed. The amount of product to be applied varies with the amount of foliage on the plants. Spray to thoroughly cover plants, including underside of leaves.

The numbers in parentheses following each vegetable name are the number of days waiting time between spraying and harvest. The amount in brackets [ ] refers to the amount of product to add to one gallon of water.

Asparagus (1) - Asparagus Aphid, Asparagus Beetle [1 1/2 tsp]. Thrips [1 - 1 1/2 tsp].

Beans: Green, Lima, Navy, Red Kidney, Snap Bean, Soybean, Broadbean, Peas [all] - Aphids, Bean Leaf Beetles, Cluster Beetles, Cucumber Beetles, Potato Leafhoppers, Lygus Bug [1 - 1 1/2 tsp]. Japanese Beetle, Mexican Bean Beetle [1 - 1 1/2 tsp]. Red Spider Mites [1 tsp].

Beans, Trifolium - Hornworm [if OK only] - [1 - 1 1/2 tsp].

Beets, Root and Top (7) - Aphids [1 - 1 1/2 tsp].

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Broccoli (3) - Aphids, Cabbage Looper, Imported Cabbageworm [1 - 1 1/2 tsp].

Brussels Sprouts (7) - Aphids [1 - 1 1/2 tsp].

Cabbage (7) - Aphids, Cabbage Looper, Imported Cabbageworm [1 - 1 1/2 tsp]. Diamondback Moth, Webworm [1 1/2 tsp].

Carrots (7) - Aphids [1 - 1 1/2 tsp]. Leafhoppers [2 tsp].

Cauliflower (7) - Diamondback Moth [1 1/2 - 3 tsp]. Aphids [1 - 1 1/2 tsp].

Celery, Anise (7) - Aphids, Spider Mite [1 tsp]. Note: To be applied to fresh leaves and stalks only. Do not use on crops grown for seed and oil.

Collards (7) - Aphids [1 - 1 1/2 tsp]. Harlequin Cabbage Bug [1 tsp].

Cucumbers (1) - Aphids, Pickleworms, Spider Mites [1 - 1 1/2 tsp]. Squash Vine Borer, Cucumber Beetle, Leaf Miner [1 1/2 tsp]. Note: Do not apply unless plants are dry.

Dandelion (7), Parsley (21), Parsnip (7), Swiss Chard (7), Watercress (7) - Aphids [1 - 1 1/2 tsp].

Eggplant (3) - Aphids, Spider Mites [1 tsp]. Lacebugs [2 tsp].

Endive (7) - Aphids, Spider Mites [1 - 1 1/2 tsp].

Garlic (3), Shallots (3) - Aphids, Thrips [1 - 1 1/2 tsp].

Kale (7) - Aphids, Cabbage Looper, Imported Cabbageworm [1 - 1 1/2 tsp]. Webworm, Diamondback Moth [1 1/2 tsp].

Kohlrabi (7) - Aphids [1 - 1 1/2 tsp]. Cabbage Looper, Diamondback Moth, Imported Cabbageworm, Webworm [1 1/2 tsp].

Leeks (3) - Aphids [1 - 1 1/2 tsp]. Onion maggot flies [2 tsp]. Thrips [2 1/2 tsp].

Lentils (3) - Cowpea Aphid, Pea Aphid [1 tsp].

Lettuce: Head (7), Leaf (14) - Aphids, Leafhoppers, Spider Mites [1 1/2 tsp]. Cabbage Looper [2 1/2 tsp].

Mushrooms (1) - Mites, Phorid and Sciarid Flies [2 tsp]. Note: Apply recommended amount over 350 sq. ft. of mushroom bed. Apply as soon after picking as possible. Repeat applications up to twice a week to maintain control.

Mustards (7) - Aphid, Cabbage Looper, Imported Cabbageworm [1 1/2 tsp]. Flea Beetles [1 - 1 1/2 tsp].

Onions (3) - Onion Maggots, Onion Thrips [1 - 1 1/2 tsp].



Peas (7) - Aphids [1 - 1 1/2 tsp]. Grasshoppers [1 1/2 tsp]. Leafhoppers [1 - 3 tsp].

Peppermint, Spearmint (7) - Aphids, Flea Beetles, Leafhoppers, Spider Mites [1 tsp].

Peppers (3) - Aphids [1 - 2 tsp]. Pepper Maggots [2 tsp].

Potatoes (0) - Aphids, Grasshoppers, Leafhoppers [1 1/2 tsp]. False Chinch Bugs [1 tsp]. Mealybugs [1 1/2 - 2 tsp].

Pumpkins (3) - Aphids, Pickleworm, Spider Mites [1 1/2 tsp]. Leafhoppers [1 - 1 1/2 tsp]. Cucumber Beetles, Squash Vine Borer [2 1/2 tsp]. Note: Do not apply unless plants are dry.

Radish, Horseradish (7) - Aphids [1 - 1 1/2 tsp].

Rutabaga (3) - Aphids [1 tsp].

Spinach (7) - Aphids [1 1/2 tsp].

Squash (1) - Aphids, Leaf Miners, Spider Mites, Pickleworm [1 1/2 tsp]. Cucumber Beetles, Squash Vine Borer [2 tsp]. Note: Do not apply unless plants are dry.

Sweet Corn (5) - Japanese Beetle [1 1/2 tsp]. Note: Injury may occur in the whorl or to the silks.

Sweet Potatoes (3) - Leafhoppers [1 - 1 1/2 tsp]. Morning Glory Leaf Miner [2 tsp].

Tomatoes (1) - Aphids, Drosophila, Spider Mites, Armyworms [1 - 2 tsp]. Fruitworms (CA only) [1 - 2 tsp]. Note: When using the highest rate, do not apply within 7 days of harvest.

Turnip (7) - Aphids, Cabbage Looper, Imported Cabbageworm [1 - 1 1/2 tsp].

#### BAIT SPRAY FOR FLIES - OUTDOOR RESIDUAL TREATMENT

For exterior use around homes and yards, use 5 tablespoons (1/2 cup) sugar to 1 gallon of water. Apply to walls, fences, garbage areas or wherever flies congregate and breed outdoors. Wet all surfaces thoroughly. Repeat as necessary. Do not allow this spray dilution to contact ornamental plants as injury may occur. Do not allow this spray mist to contaminate fish ponds. Do not allow this spray dilution to contact freshly painted surfaces. Allow 2 weeks after painting before application. Do not allow spray to contact automobile paint.

PREMISE CONTROL OF FLEAS AND TICKS: Use 3 tablespoons in 1/2 gallon water. Apply as a spray to 500 square feet of exterior pet quarters, yards, and lawns. Remove manure or debris before treating. Repeat treatment in 3 to 4 weeks if necessary. Do not allow humans or pets to contact treated surfaces until sprays have dried.

See attached booklet for additional use directions.

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NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

COOKE LABORATORY PRODUCTS  
PORTLAND, OREGON 97218  
EPA Reg. No. 909-101  
EPA Est. 802-OR-1

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