

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

909-101

3/27/90

TERM OF ISSUANCE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGRISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Cooper 57% Malathion Garden Spray

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Cooper Laboratory Products  
7737 NE Killingsworth  
Portland, OR 97218

166  
18  
200,942  
1  
10-12  
1-16  
909-101

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with section 3(c)(7)(A), provided that:

1. Submit/cite all data required for registration/reregistration of your product under this Act (section 3(c)(7)(A)) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA registration no. 909-101."
  - b. Since the uses on nectarines and oats do not appear on the product labeling for your source of relation, these uses must be deleted. You may rely on the registrant's exemption to support those uses only on your supplier's label. Please refer to the enclosed copy of the registered label for the product.
3. Refer to item one of our February 1, 1990 letter and submit your revised Confidential Statement of Formula (CSF) in accordance with that item.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

4. Submit the 1-year storage stability data and corrosion characteristics data within 15 months from the date of this Registration Notice.

5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

BEST AVAILABLE COPY

**COOKE**  
**57% MALATHION GARDEN SPRAY**

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 27 1990

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

909-101

**ACTIVE INGREDIENTS:**

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

**INERT INGREDIENTS . . . . 43%**

Keep out of reach of children

**CAUTION**

See side panel for additional precautionary statements

**NET CONTENTS 1 PT.**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if inhaled, swallowed, or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. Store away from children, domestic animals and foodstuffs.

**STATEMENT OF PRACTICAL TREATMENT:** In Case Of Contact: Wash with soap and water. For Eyes: Get medical attention. Malathion upon use may cause cholinesterase inhibition. If poisoning occurs, get prompt medical aid.  
**NOTE TO PHYSICIAN:** Atropine is antidotal.

**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 out of reach of children and domestic animals. Do not reuse container. Rinse thoroughly before discarding in trash. Securely wrap original container in several layers of newspaper and discard in trash.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire label, noting all warnings and precautions. **SHAKE WELL**

**BEST AVAILABLE**

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, Mealybugs, Whiteflies, Oak Kermes, Tent Caterpillar, Oyster Shell Scale, Euonymous 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 Pine 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. 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 Canareti 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.

VEGETABLES, 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 vegetable, 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.

CROP	TO CONTROL	AMOUNT TO USE IN ONE GALLON OF WATER
Almonds (0)	Aphids, Spider Mites	1.5 [ 1 1/2 tsp
	Peach Twig Borer	1 tsp
Apples (3)	Budmoth, Forbes Scale, Woolly Apple Aphid,	

Note: To control Peach Twig Borer, apply during petal fall.

Eastern Tent Caterpillar,  
Green Apple Aphid,  
Rosy Apple Aphid 1 tsp

Codling Moth, Plum  
Curculio, Red-banded  
Leafroller 1 1/2 tsp

Mealybug, Mites such  
as Clover, European Red,  
Twospotted, Willamette 1 - 1 1/2 tsp

Note: May cause fruit injury to McIntosh and Cortland varieties if spray is applied within 4 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 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 1 - 1 1/2 tsp

Asparagus (1) Asparagus Aphid,  
Asparagus Beetle 1 1/2 tsp

Thrips 1 - 1 1/2 tsp

Avocado (7) Greenhouse Thrips,  
Latania Scale, Omnivorous  
Looper, Orange Tortrix,  
Soft Brown Scale 1 tsp

Beans (1): Green,  
Lima, Navy, Red Kidney,  
Snap, Wax, Cowpeas,  
Blackeyed Peas Aphids, Bean Leaf  
Beetles, Blister Beetles,  
Cucumber Beetles, Potato  
Leafhoppers, Lygus Bugs 1 1/2 tsp

Japanese Beetle, Mexican  
Bean Beetle 1 - 1 1/2 tsp

Red Spider Mites 1 tsp

Beans, Dry (1) -  
Northwest and CA only Lygus Bugs 1 - 1 1/2 tsp

Blackberry, Boysenberry,  
Dewberry, Loganberry,  
Raspberry (1) Aphids, Rose Scale Chafers,  
Japanese Beetle, Leafhoppers,  
Mites, Thrips 1 tsp

Blueberries (1)	Cherry Fruitworm	1 tsp
	Cranberry Fruitworm	1 tsp
	Japanese Beetle	1/2 tsp
Beets, Roots and Tops (7)	Aphids	1 - 1 1/2 tsp
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 Mites	1 tsp

Note: To be applied to fresh leaves and stalks only. Do not use on crops grown for seed and oil.

Cherry (3)	Black Cherry Aphid, Fruit Tree Leafroller, Cherry Fruit Fly, Japanese Beetle	1 tsp
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Note: Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.

Citrus (7): Grapefruit, Kumquat, Lemon, Lime, Orange, Tangeline, Tangelo	Black Scale (single and off-brooded), California Red Scale, Citricola Scale, Purple Scale, Soft Brown Scale, Yellow Scale, Citrus Red Mites, Thrips	1 tsp
	Florida Purple Scale, Florida Red Scale	1 1/2 tsp

Note: Do not apply when trees are in bloom.

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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.

Currants, Gooseberries (3)	Japanese Beetles, Rose Chafer Mites	1 tsp
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Dandelion(7), Parsley(21), Parsnip(7), Swiss Chard(7), Watercress (7)	Aphids	1 - 1 1/2 tsp
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Eggplant (3)	Aphids, Spider Mites	1 tsp
	Lacebugs	2 tsp

Endive (7)	Aphids, Spider Mites	1 - 1 1/2 tsp
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Figs (3)	Dried Fruit Beetles, Vinegar Flies	1 tsp plus 4 tsp unsulfured molasses
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Filberts (3)	Apple mealybug, Eye- spotted Bud Moth, Filbert Aphids, Tingids, Scales (crawler stages)	1 tsp
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Garlic(3), Shallots(3)	Aphids, Thrips	1 - 1 1/2 tsp
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Grapes (3)	Leafhoppers, Spider Mites, European Fruit Lecanium, Mealybugs	1 tsp
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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 Almeria, Cardinal, Italia and Ribier grape varieties if applications are made after clusters appear.

Hops (10)	Aphids, Spider Mites	1 tsp
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Kale (7)	Aphids, Cabbage Looper, Imported Cabbageworm	1 - 1 1/2 tsp
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	Webworm, Diamondback Moth	1 1/2 tsp
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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),                      Aphids, Leafhoppers,  
 Leaf (14)                              Spider Mites                                      1 1/2 tsp  
    Cabbage Looper                                      2 1/2 tsp

Macadamia Nuts (0)                      Green Stink Bugs                              1 tsp

Note: Apply when insects start to feed on the nuts. Repeat as necessary.

Melons (1): Cantaloupe,                      Aphids, Spider Mites                              1 - 1 1/2 tsp  
 Casaba, Crenshaw, Honeydew,  
 Honey Ball, Muskmelon,                      Cucumber Beetles                              1 1/2 - 2 tsp  
 Persian, Watermelon, and  
 hybrids                              Leaf Miners                                      1 1/2 tsp  
    Leafhoppers                                      1 - 1 1/2 tsp  
    Pickleworm                                      1 1/2 tsp  
    Squash Vine Borer                              2 tsp

Note: Do not apply unless plants are dry.

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

Nectarines (7)                              Spider Mites, Plum  
    Curculio    1 1/2 tsp

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Okra (1)	Aphids	1 tsp
	Japanese Beetle	1 1/2 tsp

Note: Do not apply after pods start to form.

Onions (3)	Onion Maggots, Onion Thrips	1 - 1 1/2
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Papaya (0)	Aphids, Mealybugs	1 - 1 1/2
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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	1 tsp
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	Oriental Fruit Moth, Plum Curculio, Cottony Peach Scale, European Fruit Lecanium, Terrapin Scale	1 1/2 tsp
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Note: To control scale or lecanium on peaches, spray to thoroughly all plant surfaces when hatch is complete (end of June).

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

Peas (7)	Aphids	1 - 1 1/2 t
	Grasshoppers	1 1/2 tsp
	Leafhoppers	1 - 3 tsp

Pecans (0)	Aphids, Spider Mites, Walnut Aphid, European Red Mite	1 tsp
	Pecan Phylloxera	1 tsp

Note: Make application when buds begin to develop.

	Pecan Nut Casebearer, Walnut Husk Fly	1 tsp
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Note: Make application after first generation eggs begin to hatch.

Peppermint, Spearmint (7)	Aphids, Flea Beetles, Leafhoppers, Spider Mites	1 tsp
Peppers (3)	Aphids	1 - 2 tsp
	Pepper Maggots	2 tsp
Pineapple (7)	Mealybug	1 tsp
Plums, Prunes (3)	Mealy Plum Aphid, Plum Curculio	1 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.

Quince (3)	Codling Moth, Oriental Fruit Moth, Plum Curculio, Spider Mites	1 1/2 tsp
	Forbes Scale	1 tsp

Note: Spray to thoroughly cover all plant surfaces when crawlers are present, about first or second cover and after July 15.

Radish, Horseradish (7)	Aphids	1 - 1 1/2 tsp
Rice (7)	Rice Leaf Miner	2 tsp
Rutabaga (3)	Aphids	1 tsp
Spinach (7)	Aphids	1 1/2 tsp

Note: Make first application shortly after first rice blades appear on the surface of the water, repeat as necessary to maintain control.

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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.

Strawberries (3)	Aphids, Spider Mites	1 tsp
	Field Crickets, Lygus Bugs, Spittlebugs, Thrips	1 - 2 tsp

Sweet Corn (5)	Japanese Beetle	1 1/2 tsp
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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 3 days of harvest.

Turnip (7)	Aphids, Cabbage Looper, Imported Cabbageworm	1 - 1 1/2 tsp
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Walnuts (0)	Aphids, European Red Mite, Walnut Aphid, Walnut Husk Fly	1/2 tsp
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\*\*\*NOTE TO EPA - We reserve the right to condense these charts to paragraph form. Example: Asparagus (1) - Asparagus Aphid, Asparagus Beetle [1 1/2 tsp]. Thrips [1 - 1 1/2 tsp].

BAIT SPRAY FOR FLIES - OUTDOOR RESIDUAL TREATMENT  
For exterior use around homes and yards, Use 5 tablespoons plus 1/2 cup sugar to 1 gallon 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 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 5 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.

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-  
EPA Est. 802-OR-1

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