

1386-114

3-12-74

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1386-114

ACCEPTED

MAR 12 1974

UNDER THE FEDERAL PESTICIDE
FUNGICIDE AND ROBOTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. _____ SUBJECT
TO ATTACHED COMMENTS.

UNICO

MALATHION 51

SPRAY

EPAP

12000

INGREDIENTS

ACTIVE INGREDIENTS:

Malathion*	51.3%
Xylene type aromatic solvent	41.7%
INERT INGREDIENTS:	7.0%
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TOTAL	100.0%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

CONTAINS 4.5 POUNDS MALATHION PER GALLON

CAUTION

(18-point type)

KEEP OUT OF REACH OF CHILDREN

(12-point type)

See Remainder of CAUTION Statement on Side Panel

EPA REG. NO. 1386-114

NET VOLUME

1 U.S. QUART LIQUID

PROD. 2121

Manufactured By

UNIVERSAL COOPERATIVES, INC.

Alliance, Ohio 44601

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UNICO MALATHION 51 SPRAY

DIRECTIONS FOR USE

Mix this concentrate with water for application as a spray. Make thorough full-coverage applications of the spray. Repeat applications as stated for each crop or plant.

VEGETABLE GARDEN CROPS AND ORNAMENTAL PLANTS

Begin applications before insects become numerous. Protect plants throughout growing season by spraying at 5 to 10-day intervals and after heavy rains. Spray foliage and fruit evenly and thoroughly. Be sure to spray underside of leaves.

Use 2 Teaspoonfuls per Gallon of Water to Control:

(1-3/4 to 2 pints per acre in the amount of water required for uniform thorough spraying.)

APHIDS -- On tomatoes, peas, cucumbers, squash, melons, potatoes, peppers, eggplants, cabbage, broccoli, turnip, beets, kale, mustard, celery, Brussels sprouts, lettuce, beans and spinach.

TWO-SPOTTED SPIDER MITES -- On tomatoes, beans, eggplant, cucumbers, squash, melons and celery. LEAFHOPPERS -- On beans and potatoes. MEXICAN BEAN BEETLE -- on beans.

IMPORTED CABBAGE WORMS AND DIAMOND-BACK MOTH LARVAE -- On cabbage, broccoli, Brussels sprouts, cauliflower, and lettuce. ONION THRIPS -- On onions.

DO NOT APPLY TO BEANS, CUCUMBERS, MELONS, SQUASH OR TOMATOES WITHIN 1 DAY OF HARVEST. DO NOT APPLY TO BROCCOLI, EGGPLANTS, GREEN ONIONS, PEAS, PEPPERS, OR TURNIPS WITHIN 3 DAYS OF HARVEST. DO NOT APPLY TO BEETS, CABBAGE

KALE, MUSTARD GREENS, BRUSSELS SPROUTS, CAULIFLOWER, CELERY, OR SPINACH WITHIN 7 DAYS OF HARVEST. DO NOT APPLY TO HEAD LETTUCE WITHIN 7 DAYS OR TO LEAF LETTUCE WITHIN 14 DAYS OF HARVEST. APPLY TO CUCUMBERS ONLY WHEN THE FOLIAGE IS DRY.

Use 2 Teaspoonfuls Per Gallon of Water to Control the following

Insects on Ornamental and Flowering Plants:

Aphids	Whitefly	Leafhoppers
Thrips	Mealybug	Tarnished Plant Bug
Leaf Bug	Japanese Beetle (adult)	

Use 3-1/2 Teaspoonfuls per Gallon of Water to Control the following

Insects on Ornamental and Flowering Plants:

Spider Mites	Scurfy Scale	Oyster Shell Scale
Azalea Scale	Boxwood Leaf Miner	Soft Brown Scale
Eunonymus Scale	Juniper Scale	Monterey Scale

Most scale insects are easier to control if applications are made when "crawlers" are present. Weekly applications throughout the season are desirable.

For boxwood miner, it is preferable to apply spray before insects enter the leaves. Two or more applications may be necessary

DO NOT USE ON BOSTON, MAIDENHAIR, OR PTERIS FERNS, OR ON PETUNIAS; MAY CAUSE INJURY TO CRASSULA.

BRAMBLES, (BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, AND RASPBERRIES)—

To control two-spotted spider mites, thrips, leafhoppers, and Japanese beetle adults, use 3 teaspoonfuls per gallon of water (3 pints per acre in the amount of water required for uniformly thorough coverage). To control aphids and rose

scale, use 3-1/4 teaspoonfuls per gallon of water (3-3/8 pints per acre in the amount of water required for uniformly thorough coverage). Apply sprays to foliage when insects first appear, usually when plants begin to grow in spring, and repeat at 7 to 10-day intervals as necessary. DO NOT APPLY TO BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, AND RASPBERRIES WITHIN 1 DAY OF HARVEST.

STRAWBERRIES -- To control aphids, spider mites, spittlebug, strawberry leafroller, leafhoppers, and whitefly, apply 3 teaspoonfuls per gallon of water (1-3/4 to 3-3/8 pints per acre in the amount of water required for uniform thorough coverage of foliage). Apply when insects first appear, usually early in spring, and repeat as needed. DO NOT APPLY TO STRAWBERRIES WITHIN 3 DAYS OF HARVEST.

CRACK AND CREVICE TREATMENT IN FOOD HANDLING AREAS

To make water solution, dilute 3-1/2 tablespoonfuls of MALATHION 51⁵⁰ SPRAY in water or about 6-3/4 ounces per gallon.

Limited to crack and crevice treatment only. Apply a small amount of material directly into cracks and crevices such as expansion joints between difference elements of construction or between equipment bases and the floor, wall voids, motor housing, junction boxes or switch boxes, conduits or hollow equipment legs where roaches, ants, water bugs, silverfish, spiders and crickets hide. Care should be taken to void depositing the product into exposed surfaces introducing the material into the air. Avoid contamination of food or food processing surfaces.

Application of this product in the food areas of food handling establishments, other than as a crack and crevice treatment are not permitted.

Do not allow children to contact treated surfaces until surfaces are completely dry.

Do not spray foodstuffs or house plants.

MOSQUITOES

To control adult mosquitoes outdoors, in backyards, in areas of ornamental shrubbery, and on lawns, use 1 part of this product mixed in 10 parts of water (approx. 4.6% malathion) applied as a uniformly thorough spray into and around the ornamental vegetation. If application by fogging is preferred, use 1 part of this product mixed in 10 parts of fuel oil, or diesel oil, applied as a uniformly thorough fog to penetrate into and around the ornamental vegetation. Repeat applications as needed. Do not apply to areas where food or feed-crops are growing. Do not apply oil mixture for fogging directly to ornamental plants. Fish in treated area may be killed if spray or fog contacts water where they live.

POULTRY

DIRECT APPLICATION -- To control northern fowl mite (feather mite), poultry lice, and as a supplement to premise treatments for chicken red mites, use 2-1/4 tablespoonfuls in 1 gallon of water, and apply 1 gallon of the diluted mixture per 100 to 150 birds. Repeat in 4 to 8 weeks if necessary.

PREMISES TREATMENT -- To control northern fowl mite, chicken red mite, poultry lice, and flies, use 4-1/2 tablespoonfuls in 1 gallon of water, and spray thoroughly the walls, ceilings, roosts, nests, and adjacent areas, taking care to force the spray into all cracks and crevices. Repeat as necessary. Use a high pressure sprayer for surface applications.

ROOST PAINT -- To control chicken red mite and poultry lice, use 4-1/2 tablespoonfuls in 1 gallon of water. Brush on this mixture as a roost paint at the rate of 1 pint per 150 feet of roost. Repeat as necessary.

DOGS AND CATS

SPRAY ← To control fleas on dogs and cats, use 2-1/4 tablespoonfuls in 1 gallon of water and spray each animal thoroughly. If the animal is allowed to run free, treatments may be made every second or third week, but to avoid unnecessary applications, the animals should be examined closely for fleas before retreating. If animal is confined to an area free of fleas, one treatment may be sufficient. DO NOT REPEAT APPLICATION FOR 7 DAYS AND THEN ONLY IF INFESTATION IS PRESENT. DO NOT APPLY TO DOGS AND CATS UNDER 3 MONTHS OF AGE.

ANIMAL QUARTERS ← To control fleas in kennels, pens, yards, lawns and under houses, use 10 tablespoonfuls in 1 gallon of water, and apply spray at rate of 1 gallon per 1,000 square feet. Remove manure and debris before spraying. Replace bedding with new material. Repeat as necessary if infestation continues to persist.

DO NOT CONTAMINATE FEED, FEED CONTAINERS, FEEDING TROUGHS, WATERING CUPS, TROUGHS OR FOUNTAINS.

CAUTION

Harmful if swallowed. Avoid breathing spray mist or vapor. Avoid contact with skin; wash thoroughly after using. Avoid contamination of feed or foodstuffs.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

CAUTION

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where run off is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DESTROY EMPTY CONTAINERS. Do not reuse this container for any purpose. Break glass container into previously prepared pit in an isolated area well away from water supplies, and bury fragments deeply.

NOTICE

Use only for the purpose and in compliance with the limitations, cautions or warnings stated on this label.

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