

5905-293

01/27/1975



ACCEPTED
JAN 27 1975
UNDER THE ... PESTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTRATION
ED UNDER NO. 5905-293

Best Available Copy

CYTHON[®] 25 WP

(This product contains 25% Malathion)

CAUTION: KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR ADDITIONAL CAUTIONS

ACTIVE INGREDIENT	(By Weight)
*Malathion	25%
INERT INGREDIENTS	75%
TOTAL	100%

*O,O-Dimethyl Dithiophosphate of Diethyl Mercaptosuccinate
*ALSO KNOWN AS CYTHON[®]

CYTHON is a reg. TM of the American Cyanamid Company

EPA Reg. No. 5905-293

MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TENNESSEE



with skin. Wash thoroughly with soap and water after using. Keep out of reach of children. Do not store or transport near food or feed. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption. Do not contaminate feed or foodstuffs. This product should not be used for any purpose other than that suggested on label.

NOTE TO PHYSICIANS: Malathion may cause cholinesterase inhibition. Atropine is antidotal.

This product is toxic to fish, shrimp, crabs and other wildlife. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff 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.

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purpose referred to on the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.

DIRECTIONS FOR USE

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

KEEP PESTICIDE IN ORIGINAL CONTAINER. Do not put concentrate or dilute into food or drink container.

STORE IN COOL, DRY PLACE.

USE DESIGNATED AMOUNT IN 100 GALS. WATER UNLESS OTHERWISE SPECIFIED. Apply thorough full-coverage spray.

NOTE: For Codling Moth, Oriental Fruit Moth and Plum Curculio, apply at petal fall and repeat at 10 to 14 day intervals.

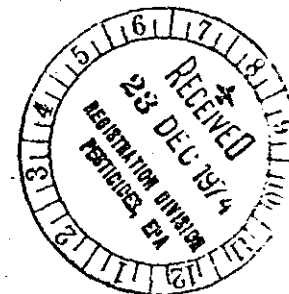
ALFALFA, LADINO CLOVER, VETCH (FOR SEED): Aphids, Spider Mites, Leafhoppers - 3 to 4 lbs. per acre in water to cover, 2 or more applications as needed.

APPLES: Codling Moth, Plum Curculio, Red-Banded Leaf Roller - 3 lbs. as needed. Budmoth, Aphids - 2 lbs. One or more applications as needed. Red Spider Mites - 2 to 2½ lbs. Two or more applications 10 to 12 days apart in summer months. Rosy Apple Aphid, Mealybugs, Forbes Scale - 2½ lbs. Do not apply within 3 days of harvest. Malathion may cause fruit injury to McIntosh and Cortland varieties if applied within 4 weeks of harvest.

APRICOTS: Spider Mites, Brown Soft Scale (Crawlers), Orange Tortrix, Codling Moth - 4 lbs. Do not apply within 7 days of harvest.

BEANS: Aphids, Cucumber Beetles, Leafhoppers, Japanese Beetles, Mexican Bean-Beetles - 5 lbs. per acre. Do not apply within 1 day of harvest.

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, KALE, MUSTARD GREENS, TURNIPS, CELERY, LETTUCE, SPINACH: Aphids - 5 lbs. per acre in water to cover. Do not apply to Broccoli and turnips within 3 days of harvest and to Brussels Sprouts, Cauliflower, Cabbage, Kale, Mustard Greens, Celery, Spinach and Head Lettuce within 7 days of harvest and to Leaf Lettuce within 14 days of harvest.



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CHERRIES: Black Cherry Aphid, Cherry Slug, Cherry Fruit Fly - 2 lbs. as needed. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest. Do not apply within 3 days of harvest.

CITRUS: Grapefruit, Lemons, Limes, Oranges, Tangerines, Tangelos, Kumquats; California Red Scale, Yellow Scale, Purple Scale, Black Scale (single and off branched), Soft Scale, Citricola Scale - 2 1/2 to 3 1/2 lbs. (California Only) - 1 lb. plus 3 qts. OMNI Supreme Spray. Do not use OMNI Supreme on navel oranges after Sept. 1 or on Valencia oranges after Sept. 15. Florida Red Scale, Purple Scale - 3 lbs. for light infestations and 5 lbs. for moderate to heavy infestations. Thrips - 6 lbs. per 100 gals. water per acre. Green Citrus Aphid - 1 to 2 lbs. Make no application when trees are in bloom or within 7 days of harvest. Mediterranean Fruit Fly - Apply 2 to 3 lbs. of Helena Cythion 25 WP plus 1 lb. yeast hydrolyzate or 1 qt. Sauce Base No. 2 per acre in water to cover by ground or air equipment. Repeat as necessary, subject to direction of State or Federal officials supervising fruit fly eradication program. Cythion may be toxic to certain species of fish, particularly in shallow water. Do not apply within 3 days of harvest for this use only.

CRANBERRIES: Leafhoppers, Spittlebug Nymphs, Black-headed Fireworm, Cranberry Fruitworm - 6 lbs. per acre in water to cover. Do not apply within 3 days of harvest.

CUCUMBERS, MELONS, EGGPLANT: Aphids, Spider Mites - 2 lbs. per acre in water to cover. Do not apply to Cucumbers and Melons within 1 day of harvest and to Eggplants within 3 days of harvest.

GRAPES: Leafhoppers, Spider Mites, Thrips - 1 1/2 to 2 lbs. (3 to 4 lbs. per acre). Leafhoppers - 1 or more applications as needed. Spider Mites - 2 or more as needed. Mealybugs - 2 to 2 1/2 lbs. as needed (6 to 8 lbs. per acre). Do not apply within 3 days of harvest.

ORNAMENTALS: Aphids, Spider Mites, Whitefly, Mealybugs, Thrips, Japanese Beetle, Four-lined Leaf Bug, Tarnished Plant Bug, Leafhoppers, Oystershell Scale - 2 1/2 lbs. Soft Brown Scale, Monterey Pine Scale, Juniper Scale, Florida Red Scale - 6 lbs. Pine Needle Scale - 4 lbs. Oak Kermes, Fletcher Scale - 3 lbs. Tent Caterpillar - 2 lbs. Lacebugs, Bagworms - 4 lbs. Repeat as necessary. To control Listed Scale - Apply thorough full-coverage spray at time scale crawlers have settled on foliage. Do not use on Boston, Maidenhair and Pteris ferns, and some species of Crassula.

PEACHES: Spider Mites - 2 to 2 1/2 lbs. 2 or more applications as needed. Oriental Fruit Moth, Plum Curculio - 3 lbs. Do not apply within 7 days of harvest.

PEARS: Pear Psylla, Aphids, Woolly Aphid, Spider Mites, Stink Bugs - 2 to 2 1/2 lbs. One or more applications. Mealybugs - 2 1/2 lbs. Codling Moth, Plum Curculio, Fruit Tree Leaf Roller, Red-banded Leaf Roller - 3 lbs. Injury may occur under certain conditions in the Northwest on Rose Pears. Do not apply within 1 day of harvest.

PEAS: Pea Aphid - 2 lbs. per acre in water to cover. Do not apply within 3 days of harvest or 7 days if forage is to be fed to livestock.

PEPPERS: Aphids - 2 lbs. per acre in water to cover. Do not apply within 3 days of harvest.

PLUMS, PRUNES: Mealy Plum Aphid - 1 lb as needed, Aphids, Bud Moth - 2 to 3 lbs. (10 to 12 lbs. per acre). Do not apply within 3 days of harvest.

POTATOES: Aphids, Leafhoppers - Use 2 1/2 lbs. per acre. No time limitations.

STRAWBERRIES: Aphids, Spider Mites - Use 2.5 lbs. per acre. Do not apply within 3 days of harvest.

TOMATOES: Spider Mites, Aphids - 5 lbs. per acre in water to cover. Do not apply within 1 day harvest.

WALNUTS: Aphids, Red Spider, Walnut Husk Fly - 8 lbs. Repeat at 7 to 10 days for Red Spider. May be used up to harvest.

LIVESTOCK

Do not treat calves under 1 month of age. Do not use on lactating dairy animals. Do not use on non-lactating dairy animals within 2 weeks of freshening. Apply complete coverage spray. One treatment may be sufficient. Repeat only if needed. Avoid contamination of feed and food products, also drinking fountains and feed troughs. Avoid contamination of milk, milk equipment and water. **BEEF CATTLE:** Lice - 16 lbs. per 100 gals. water. Ticks - 16 to 32 lbs. per 100 gals. water. **HOGS:** Lice - 16 lbs. per 100 gals. water. Apply complete coverage also to pens and litter. **SHEEP, GOATS:** Lice, Ticks and Keds - 16 lbs. per 100 gals. water. Repeat application after 2 or 3 weeks if needed. Do not treat animals under 1 month old. **POULTRY** (Direct application): Northern Fowl Mite, Poultry Lice, Chicken Red Mite (as a supplement to premise treatments) - 2 1/2 ozs. per gal. water per 100 to 150 birds. Repeat in 4 to 8 weeks or when necessary. **POULTRY HOUSES:** Northern Fowl Mite, Chicken Red Mite, Poultry Lice, Flies - 5 ozs. per gal. water. Repeat as necessary. Apply spray liberally to walls, ceilings and adjacent areas. Force spray into cracks and crevices. Use a high pressure sprayer for surface sprays.



**DO NOT REUSE CONTAINER.
DESTROY WHEN EMPTY.
BURN BAG IMMEDIATELY WHEN EMPTY. STAY OUT OF SMOKE.**