

USE PRECAUTIONS
READ ENTIRE LABEL BEFORE USING.

THIS PRODUCT IS TOXIC TO FISH, SHRIMP AND CRAB. KEEP OUT OF LAKES, STREAMS, PONDS, TIDAL MARSHES AND ESTUARIES. SHRIMP AND CRAB MAY BE KILLED AT APPLICATION RATES RECOMMENDED ON THIS LABEL. DO NOT APPLY WHERE THESE ARE IMPORTANT RESOURCES. 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.

IN ORDER THAT PESTICIDAL RESIDUES ON FOOD AND FORAGE CROPS WILL NOT EXCEED TOLERANCES ESTABLISHED BY THE FEDERAL FOOD AND DRUG ADMINISTRATION, USE ONLY AT RECOMMENDED RATES AND INTERVALS, AND DO NOT APPLY CLOSER TO HARVEST THAN SPECIFIED. DO NOT APPLY OR ALLOW TO DRIFT TO AREAS OCCUPIED BY UNPROTECTED HUMANS OR BENEFICIAL ANIMALS OR ONTO ADJOINING FOOD, FIBER OR PASTURE CROPS. THE GROWER IS RESPONSIBLE FOR RESIDUES ON HIS CROPS AS WELL AS FOR DAMAGES CAUSED BY DRIFT FROM HIS PROPERTY TO THAT OF OTHERS.

CONSULT STATE AGRICULTURAL EXTENSION SERVICE OR STATE AGRICULTURAL EXPERIMENT STATIONS FOR ADDITIONAL INFORMATION, AS THE TIMING, NUMBER, AND RATE OF APPLICATIONS NEEDED WILL VARY WITH LOCAL CONDITIONS.

DO NOT REUSE EMPTY CONTAINERS. DESTROY BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

DIRECTIONS FOR USE

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically

compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (This actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain areas, the following rates are therefore intended to cover a broad range of conditions.)

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	5-20	20-125
Grapes	7-25	20-200
Orchard Crops	10-20	40-800

RECOMMENDATIONS

Unless otherwise indicated, dosages are given in pt. of Durham Malathion EM 8 per acre in sufficient water to provide thorough coverage of vegetable and field crops and pt. of Durham Malathion EM 8 per 100 gal. water for thorough coverage sprays of tree fruit crops. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitation given for specific crops.

Maximum permissible rate per acre, expressed as Durham Malathion EM 8, is given in parenthesis, (), after each crop claim.

CROP USES

TREE FRUIT CROPS

CITRUS*: California red scale, yellow scale, purple scale, black scale (single and off-brooded) soft scale, thrips, citricola scale, 3/4-1 pt. Do not apply within 7 days of harvest. Make no application when trees are in full bloom. California—Do not apply unless parasite activity in the scale is at a low level or absent. (25 pt.)

GRAPES*: European fruit lecanium, grape leafhopper, mealybug, spider mites: 1 pt. Do not apply within 3 days of harvest. Injury may occur to Ribier, Cardinal and Almeria varieties when applications are made after the clusters appear. (2 3/4 pt.)

*Workers should not be permitted to enter treated areas to engage in any activity requiring substantial contact with treated foliage within 1 day (24 hours) following application of this material. When a mixture of two or more organophosphate pesticides is applied the re-entry interval shall be extended by adding to the longest applicable interval an additional 50% of that interval.

DI
MALATHION

Active Ingredients:

Malathion:(O,O-Dimethyl Dithio)
Aromatic Petroleum Derivative

Inert Ingredients:

CAUTION: Keep Out of Reach of Children. Keep Out of Reach of Pets. Keep Out of Reach of Stock. Keep Out of Reach of Fish. Keep Out of Reach of Birds. Keep Out of Reach of Bees. Keep Out of Reach of Insects. Keep Out of Reach of Aquatic Life. Keep Out of Reach of Shellfish. Keep Out of Reach of Mollusks. Keep Out of Reach of Crustaceans. Keep Out of Reach of Reptiles. Keep Out of Reach of Amphibians. Keep Out of Reach of Mammals. Keep Out of Reach of Birds. Keep Out of Reach of Fish. Keep Out of Reach of Insects. Keep Out of Reach of Aquatic Life. Keep Out of Reach of Shellfish. Keep Out of Reach of Mollusks. Keep Out of Reach of Crustaceans. Keep Out of Reach of Reptiles. Keep Out of Reach of Amphibians. Keep Out of Reach of Mammals.

RINSE SPRAY EQUIPMENT AND CONTAINERS LOCATED AWAY FROM WATER.

SEE SIDE PANEL

NOTICE: Amvac Chemical Corporation makes no representation as to the merchantability and/or fitness for any use not intended or specified on Amvac's label.

AMVAC CHEMICAL COMPANY

EPA Reg. No. 5481-123-

NET

DURHAM MALATHION EM 8

Active Ingredients:		
Malathion:(O,O-Dimethyl Dithiophosphate of Diethyl Mercaptosuccinate)	82.0%	
Aromatic Petroleum Derivative Solvents	3.0%	
Inert Ingredients:	15.0%	
Total Ingredients:	100.0%	

CAUTION: Keep Out of Reach of Children
HARMFUL IF SWALLOWED OR INHALED. AVOID BREATHING VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. DO NOT CONTAMINATE FOOD AND FEED.
NOTE TO PHYSICIANS: MALATHION MAY CAUSE CHOLINESTERASE INHIBITION. ATROPINE IS ANTIDOTAL.
RINSE SPRAY EQUIPMENT AND CONTAINERS. DISCHARGE LIQUID WASTE IN PIT IN NON-CROP LANDS LOCATED AWAY FROM WATER SUPPLIES.

SEE SIDE PANEL FOR ANTIDOTE AND OTHER WARNINGS

NOTICE: Amvac Chemical Corporation makes no warranty express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Amvac's label.

AMVAC CHEMICAL CORPORATION — Los Angeles, Calif. 90023

EPA Reg. No. 5481-123-AA

EPA Est. 5481-CA-1

NET CONTENTS GAL.

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Always thoroughly emulsify this total water before adding wettable

AIRCRAFT AND GROUND APPLICATIONS: Aired to provide thorough, uniform growth at time of application. Except in the following rates are therefore given for range of conditions.)

Gal. Water/Acre	
Aircraft	Ground
5-20	20-125
7-25	20-200
10-20	40-800

dosage are given in pt. of Durham sufficient water to provide thorough coverage and pt. of Durham Malathion for thorough coverage sprays of applications when insects first appear as needed to maintain control, given for specific crops. per acre, expressed as Durham Malathion, (), after each crop claim.

yellow scale, purple scale, black soft scale, thrips, citricola scale, 7 days of harvest. Make no application bloom. California—Do not apply scale is at a low level or absent.

minium, grape leafhopper, mealybug, apply within 3 days of harvest. Injury and Almeria varieties when application clusters appear. (2 3/4 pt.) treated to enter treated areas to engage contact with treated foliage with application of this material. When phosphate pesticides is applied the rate by adding to the longest applicable interval.

VEGETABLE AND FIELD CROPS

ALFALFA, CLOVER: Alfalfa weevil larvae, grasshoppers, Lygus bugs, clover leaf weevil, grasshoppers, Lygus bugs, leafhoppers, spider mites, spittlebugs, vetch. Use higher rate for armyworm control. May harvest or grazing. Do not apply during full

ASPARAGUS: Asparagus beetle, thrips: 1 1/4 pt. in 1 day of harvest. (1 1/4 pt.)

BEANS: Aphids, cucumber beetle, Lygus, Jap. can bean beetle, nitidulid beetle, pea leaf hopper, spider mites: 1-1 1/4 pt. Do not apply harvest. (1 1/4 pts.)

BEETS: Aphids, beet armyworm, blister beetle, Lygus: 2 1/2 pts. Do not apply within 7 days of

CARROTS, PARSNIPS, RADISHES, SALSIFY, HO: leafhoppers: 2 pt. Do not apply within 7 day radish 2 1/2 pt.; others 2 pt.)

CELERY: Aphids, spider mites: 1 1/2 pt. Do days of harvest. (1 1/2 pt.)

COLE CROPS (broccoli, Brussels sprouts, cabbage, turnips): Aphids, cabbage loopers, flea beetle worm: 1 1/2-2 pt. Use higher rate for loopers apply within 3 days of harvest on broccoli on others; (turnips 3 pt.; others 2 1/2 pt.)

CORN: Aphids, corn rootworm adults, sap beetle, grasshoppers: 1-1 1/4 pts. Do not apply within or forage use. Caution: injury may occur in stages with emulsifiable liquids. (1 1/4 pts.)

CUCUMBER, PUMPKIN, SQUASH: Aphids, cucumber ground beetles, leafhoppers, pickleworm, squash vine borer, thrips: 1 3/4 pt. Do not apply of harvest on pumpkins. Do not apply on cuc unless plants are dry or within 1 day of 2 pt.; others 1 3/4 pt.)

EGGPLANT: Aphids, lace bug, spider mites: higher rate for lace bugs. Do not apply within (3 1/2 pts.)

ONIONS: Onion maggot, thrips: 2 pt. For or

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TE.D	82.0%
23	3.0%
1071	15.0%
	100.0%

SPRAY MIST. AVOID CONTAMINATED CLOTH-

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IN PIT IN NON-CROP

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ial, except those which

Calif. 90023

Est. 5481-CA-1

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VEGETABLE AND FIELD CROPS

ALFALFA, CLOVER: Alfalfa weevil larvae, aphids, armyworms, clover leaf weevil, grasshoppers, lygus bugs, pea aphid, potato leafhoppers, spider mites, spittlebugs, vetch bruchid: 1-1½ pt. Use higher rate for armyworm control. May be applied on day of harvest or grazing. Do not apply during full bloom. (1½ pt.)

ASPARAGUS: Asparagus beetle, thrips: 1¼ pt. Do not apply within 1 day of harvest. (1¼ pt.)

BEANS: Aphids, cucumber beetle, Lygus, Japanese beetle, Mexican bean beetle, nitidulid beetle, pea leaf weevil, potato leafhopper, spider mites: 1-1¾ pt. Do not apply within 1 day of harvest. (1¾ pts.)

BEETS: Aphids, beet armyworm, blister beetles, flea beetle, Lygus: 2½ pts. Do not apply within 7 days of harvest. (2½ pts.)

CARROTS, PARSNIPS, RADISHES, SALSIFY, HORSE RADISH: Aphids, leafhoppers: 2 pt. Do not apply within 7 days of harvest, (horse-radish 2½ pt.; others 2 pt.)

CELERY: Aphids, spider mites: 1½ pt. Do not apply within 7 days of harvest. (1½ pt.)

COLE CROPS (broccoli, Brussels sprouts, cabbage, kale, mustard, turnips): Aphids, cabbage loopers, flea beetles, imported cabbage worm: 1½-2 pt. Use higher rate for loopers and worms. Do not apply within 3 days of harvest on broccoli and turnips; 7 days on others; (turnips 3 pt.; others 2½ pt.)

CORN: Aphids, corn rootworm adults, sap beetles, thrips, young grasshoppers: 1-1¼ pts. Do not apply within 5 days of harvest or forage use. Caution: injury may occur in the whorl and silk stages with emulsifiable liquids. (1¼ pts.)

CUCUMBER, PUMPKIN, SQUASH: Aphids, cucumber beetle, darkling ground beetles, leafhoppers, pickleworm, spider mites, squash vine borer, thrips: 1¼ pt. Do not apply within 3 days of harvest on pumpkins. Do not apply on cucumber and squash unless plants are dry or within 1 day of harvest, (pumpkin 2 pt.; others 1¼ pt.)

EGGPLANT: Aphids, lace bug, spider mites: 1¼-3½ pts. Use higher rate for lace bugs. Do not apply within 3 days of harvest. (3½ pts.)

ONIONS: Onion maggot, thrips: 2 pt. For onion maggot control

apply when flies first appear and repeat every 4 days. Do not apply within 3 days of harvest on green onions. (2 pt.)

PEPPERS: Aphids, pepper maggot: 1½ pt. Do not apply within 3 days of harvest. (1½ pt.)

POTATOES: Aphids, blister beetles, false chinch bugs, leafhoppers, mealybugs: 1 to 3 pts. (3 pts.)

RICE: Grasshoppers, rice stink bug: 10 oz. Rice leaf miner: 1¾ pints. Do not apply within 7 days of harvest. Tadpole shrimp (California only): 2 pints. Restrict water spill from the treated fields for 48 hours following application. (2 pts.)

STRAWBERRIES: Aphids (use at rate 2 pt.), field crickets, lygus bugs, potato leafhopper, spider mites, spittlebugs, strawberry leafroller, strawberry root weevil, thrips, whiteflies: 1½-2 pt. (for strawberry root weevil control, make applications to the soil surface before planting and work into the top 6-8 inches). Do not apply within 3 days of harvest. (2 pt.)

TOMATOES: Aphids, spider mites: 1½ pt. Drosophila flies: 2 pt. in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. At rates over 2 pt. up to 3½ pt. do not apply within 5 days of harvest. California only: These higher rates may be applied up to 3 days of harvest. (3½ pt.)

ORNAMENTALS (unspecified)

Dosages given are for use in 100 gal. of dilute spray.

Aphids, European pine shoot moth, four-lined leaf bug, Japanese Beetle adult, mealybugs, millipedes, potato leafhopper, rose leafhopper, scurfy scale, spider mites, springtails, sowbugs, tarnished plant bug, thrips, whitefly, eunoymus scale, lace bugs, oyster shell scale 1 pt.

Azalea scale, bagworms, birch leafminer, boxwood leafminer, Fletcher scale, Florida-red scale, juniper scale, magnolia scale, oak kermes, pine leaf scale, tent caterpillar 1¼ pt.

Black scale crawlers, Monterey pine scale 1-3/5 pt.

Pine needle scale, wax scale 2½ pt.

For oyster shell, Fletcher, juniper, oak kermes and pine needle scales, apply when scale crawlers have settled on foliage. CAUTION: Avoid use on certain ferns including Boston, Maiden-hair and Pteris, as well as some species of Crassula and Canaetri Juniper.