

PMW 407-320 1/4
16.5.77

MALATHION REREGISTRATION REVISIONS 2-22-89

Front Panel

IMPERIAL

MALATHION SPRAY
CONCENTRATE

FOR FRUITS, VEGETABLES, FLOWERS
AND ORNAMENTALS

(Contains 5 Pounds Malathion Per Gallon,
10 Ounces Malathion Per Pint)

ACTIVE INGREDIENTS:

Malathion: 0,0-dimethyl phosphorodithioate of
diethyl mercaptosuccinate..... 56.58%

INERT INGREDIENTS: 7.98%

Xylene Range Aromatic Hydrocarbons..... 33.44%

Total 100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

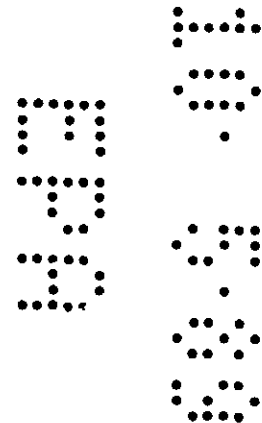
Manufactured by
IMPERIAL INC.
SHENANDOAH, IOWA 51601

EPA Reg. No. 407-320
EPA Est. 407-IA-1

I-72-84-1

NET CONTENTS 1 PINT

Not Reviewed. Registrant claims to be in accordance with
Reregistration of Pesticide Product Guidance for Phase 2
Response, Page 2.12, Active to Inert Change in Status.



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with eyes, skin, or clothing. In case of spillage on skin, wash with soap and water. Wash thoroughly after handling. Do not contaminate food or feed products.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine and 2-PAM are antidotal and may be administered in conjunction with one another.

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 . CHEMICAL HAZARDS

Keep container closed and away from heat, sparks, and open flame.

DIRECTIONS FOR USE

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

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

STORAGE: Store in original container, in a cool, dry, secure area, away from fertilizer, food, or feed. Keep container closed.

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

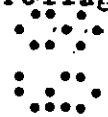
CONTAINER DISPOSAL: Do not reuse empty container. Wrap container and put in trash.

FRUIT TREES

For control of codling moth, apple maggot, Oriental fruit moth, or plum curculio, apply at petal fall and every 10 to 14 days thereafter until control is achieved.

APPLES: For control of woolly, green and rosy aphids, bud moth, Forbes scale, use 1 pint per 100 gallons water (1 oz. per 6 1/4 gallons). For control of mealy bug and tent caterpillar use 1 1/2 pints per 100 gallons water (1 1/2 oz. per 6 1/4 gallons). For codling moth, plum curculio, red banded leaf roller, use 2 pints per 100 gallons water (2 oz. per 6 1/4 gallons). May cause injury to McIntosh and Cortland varieties. Do not apply during bloom period. Do not apply within 3 days of harvest.

CHEERRIES: For control of black cherry aphid and fruit tree leaf roller, use 1 1/2 pints per 100 gallons water (1 1/2 oz. per 6 1/4 gallons). For bud moth and cherry fruit fly use a minimum of 1 pint per 100 gallons (1 oz. per 6 1/4 gallons). Do not spray during bloom period. Do not apply within 3 days of harvest. May injure foliage on some varieties.



PEACHES: For control of cottony peach scale, Oriental fruit moth, plum curculio, and terrapin scale, use 2 pints per 100 gallons (2 oz. per 6 1/4 gallons). For green peach, black cherry, black peach and rusty plum aphids, use 1 pint per 100 gallons (1 oz. per 6 1/4 gallons). Do not apply during bloom period. Do not apply within 7 days of harvest. Application of 2 pint rate should not exceed 700 gallons of water per acre.

PEARS: For control of codling moth, fruit tree leaf roller, mealy bugs, mites, pear psylla, plum curculio and red banded leaf roller, use 2 pints per 100 gallons water (2 oz. per 6 1/4 gallons). Do not spray during bloom period. Do not apply within 1 day of harvest.

VEGETABLES

BEANS: Aphids, cucumber beetle, Japanese beetle, leafhoppers, Lygus bugs, Mexican Bean beetle. **CUCUMBERS:** Aphids, cucumber beetle, pickleworm. **SQUASH:** Aphids, cucumber beetles, pickleworm. For control of listed pests use 2 3/4 pints per acre (2 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply within 1 day of harvest.

BEETS: Aphids. **CABBAGE, CAULIFLOWER, MUSTARD GREENS:** Aphids, cabbage looper, imported cabbage worm. To control listed pests use 4 pints per acre (2 3/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply within 7 days of harvest.

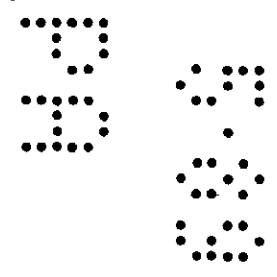
EROCOLI, BRUSSELS SPROUTS: Aphids, cabbage looper, imported cabbage worm. **PEAS:** Aphids, pea weevil. **RUTABAGAS:** Aphids. For control of listed pests use 4 pints per acre (2 3/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply within 7 days of harvest.

CARROTS: Aphids, leafhoppers. **KOELRABI, PARSNIPS, RADISHES, SPINACH, SWISS CHARD:** Aphids. To control listed pests on these crops use 3 pints per acre (2 1/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. **CORN:** For control of corn earworm, corn rootworm adults, grasshoppers, sap beetle and thrips use 1 1/2 pints per acre (1 tablespoon per 1,000 sq. ft.) in sufficient water for thorough coverage. Apply to silks as soon as they appear. Make 3 to 4 applications at 2 - 3 day intervals as infestation warrants. Reapply immediately after rain. Do not apply within 7 days of harvest.

STRAWBERRIES: Aphids, field crickets, potato leaf hopper, spider mites, spittle bug, strawberry leaf roller, strawberry root weevil, thrips and white fly. **ONIONS:** Onion maggots, thrips. **PUMPKINS:** Aphids, mites, squash vine borers. To control listed pests on these crops use 3 pints per acre (2 1/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply within 3 days of harvest.

TOMATOES: For control of aphids and spider mites use 3 pints per acre (2 1/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply within 1 day of harvest.

POTATOES: For control of false chinch bug, leafhoppers, mealy bugs. **EGGPLANT:** Aphids, lace bug, spider mites. **TURNIPS:** Aphids, cabbage looper, imported cabbage worm, use 4 pints per acre (2 3/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not use within 3 days of harvest. **LETTUCE:** For control of aphids, cabbage looper and leafhoppers, use 3 pints per acre (2 1/4 tablespoons per 1,000 sq. ft.) in sufficient water for thorough coverage. Do not apply to leaf lettuce within 14 days of harvest. Do not apply to head lettuce within 7 days of harvest.



ORNAMENTALS, OUTDOOR FLOWERS, SHADE TREES, SHRUBS

Injury may occur on ferns, hickory, viburnum, lantana, crassula, and canaerti juniper. Slight injury has been reported on Boston, pteris and maidenhair ferns, petunias, small leaf spirea, white pine and maples. For control of aphids, spider mites, European pine shoot moth, four-lined leaf bug, Japanese beetle adult, potato leafhopper, rose leafhopper, tarnished plant bug, thrips, lace bug, mealy bugs and white flies use 1 1/2 pints per 100 gallons of water or 2 teaspoons per gallon. For control of bagworms, birch leaf miner, boxwood leaf miner, and tent caterpillars, use 2 pints per 100 gallons or 2 teaspoons per gallon.

SCALES: For control of oyster shell, euonymus, and scurfy scale use 1 1/2 pints per 100 gallons water or 2 teaspoons per gallon. For control of azalea, magnolia, pine leaf, Flecher and red juniper scales, use 2 pints per 100 gallons water or 2 teaspoons per gallon. Apply for all types when scale crawlers have settled on foliage.

NOTICE

Buyer assumes all risk of use, storage, or handling when not in strict accordance with directions given herein.

