

Malathion-5 Emulsifiable Concentrate

DIRECTIONS FOR USE

Mix this concentrate with water as directed below for application as a spray or mix with fuel oil for use in back rubber devices for beef cattle. Make thorough full-coverage applications of the spray and repeat applications as stated in all cases.

PECANS: To control Nut Casebearer, Leaf Casebearer and Aphids use 1 qt. in 100 gal. of water in Air Blast and Hydraulic Equipment when leaves are half grown and also when young Nuts first appear.

STRAWBERRIES—To control aphids, spider mites, spittlebug, strawberry leaf-roller, leafhoppers, and whitefly, apply 1½ to 3 pints per acre in the amount of water required for uniform thorough coverage of foliage. Apply when insects first appear, usually early in the spring and repeat as needed. DO NOT APPLY TO STRAWBERRIES WITHIN 3 DAYS OF HARVEST.

VEGETABLE CROPS

To control the insects on the crops listed below, begin applications when insects first appear and repeat at 7 to 10-day intervals as necessary, using 2 pints (1.25 lb. malathion) per acre in the quantity of water required for uniformly thorough coverage: **APHIDS**—On beans, beets, broccoli, Brussel sprouts, cabbage, melons, cauliflower, celery, cucumber, kale, lettuce, mustard greens, peas, potato, spinach, squash, tomato and turnip. **LEAFHOPPERS**—On beans, melons, cucumber and squash. **MEXICAN BEAN BEETLE**—On beans. **IMPORTED CABBAGE WORM AND CABBAGE LOOPER**—On broccoli, Brussel sprouts, cabbage, cauliflower, kale, lettuce, and mustard greens. **THRIPS**—On onions. **CUCUMBER BEETLES**—On melons, cucumbers and squash. **MEALYBUG**—On potatoes. **PEA WEEVIL**—On peas.

DO NOT APPLY TO BEANS, MELONS, CUCUMBERS, SQUASH OR TOMATOES WITHIN 1 DAY OF HARVEST. APPLY TO CUCUMBERS ONLY WHEN THE FOLIAGE IS DRY. DO NOT APPLY TO BROCCOLI, GREEN ONIONS, PEAS, OR TURNIPS (INCLUDING TOPS) WITHIN 3 DAYS OF HARVEST. DO NOT APPLY TO BEETS, BRUSSEL SPROUTS, CABBAGE, CARROTS, CAULIFLOWER, CELERY, KALE, MUSTARD GREENS, SPINACH, OR HEAD LETTUCE WITHIN 7 DAYS OF HARVEST. DO NOT APPLY TO LEAF LETTUCE WITHIN 14 DAYS OF HARVEST.

FIELD CROPS

ALFALFA—To control aphids, including spotted alfalfa aphid, leafhoppers, spider mites, spittlebug, and alfalfa weevil larvae, use 1½ to 2 pints (0.93 to 1.25 lb. malathion) per acre, in the amount of water required for uniformly thorough coverage. Begin applications when insects first appear and repeat at 7 to 10-day intervals as necessary. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on the outside of hives. May be grazed or harvested on day of application.

ORNAMENTAL PLANTS

To control the following on ornamentals, mix the indicated dosage with 100 gallons of water. Apply spray when insects are first observed and repeat as necessary.

OYSTER SHELL SCALE—1 pint. **APHIDS, SPIDER MITES, JAPANESE BEETLE ADULTS, LEAFHOPPERS, THRIPS, AND SCURF SCALE** 1½ pints. **BIRCH LEAFMINER, BOX-**

E.P.A. Reg. No. 2269-152



MALATHION 5 EMULSIFIABLE CONCENTRATE

INGREDIENTS

ACTIVE INGREDIENTS:

Malathion* 54.8%

Aromatic petroleum derivative solvent 32.7%

INERT INGREDIENTS 12.5%

Total 100.0%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

CONTAINS 5 POUNDS OF MALATHION PER GALLON

ONE U.S. GALLON

CAUTION

KEEP OUT OF REACH OF CHILDREN

SEE SIDE PANEL FOR ADDITION PRECAUTIONS

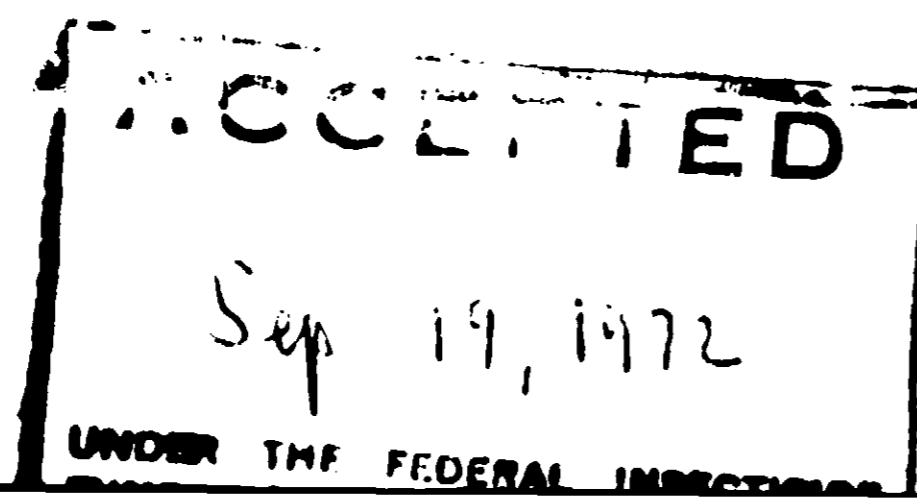
WOOD LEAFMINER, AZALEA SCALE, PINE LEAF SCALE AND MAGNOLIA SCALE—2 pints. Do not use on Boston, Maidenhair, or Pteris ferns. Do not use on petunias, may cause injury to Crassula.

BEEF CATTLE

SPRAY—To control the insects stated below, use the indicated amount of concentrate mixed in 100 gallons of water and apply as a complete-coverage spray to each animal.

LICE—1 gallon. One treatment may be sufficient; repeat application only if needed. **TICKS**—1 to 2 gallons. Repeat applications at 2-week intervals if needed. **HORN FLIES**—1 to 1½ gallons. Repeat applications at 2-week intervals if needed.

ACCEPTED WITH COMMENTS



BACK RUBBER DEVICE

Use back rubber device for application of Malathion 5 Emulsifiable Concentrate to the backs of beef cattle. The device is used to apply the concentrate to the back of the animal, which is then rubbed into the hair. This method is effective for controlling lice, ticks, and horn flies.

SPRAY

Use spray for application of Malathion 5 Emulsifiable Concentrate to crops and ornamentals. The spray should be applied when insects are first observed and repeated as necessary. Do not apply to crops within 3 days of harvest.

DIRECT APPLICATION

Use direct application for application of Malathion 5 Emulsifiable Concentrate to crops and ornamentals. The concentrate should be applied directly to the insects or to the foliage of the plant.

PREMISE TREATMENT

Use premise treatment for application of Malathion 5 Emulsifiable Concentrate to the interior of buildings. The concentrate should be applied to walls, ceilings, roosts, and all cracks and crevices.

ROOST PAINT

Use roost paint for application of Malathion 5 Emulsifiable Concentrate to the roosts of birds. The paint should be applied to the roosts and repeated as necessary.

DILUTION

Amount in 100 Gallons
1 Pint
1 Gallon

The dosage rate of 2 pints per 1,000 square feet of water in a typical corn field.

**HARMFUL IF SWALLOWED. CONTACT WITH SKIN, WA-
FEED AND FOODSTUFFS. K
container. Destroy it by p
from water supplier. DO N
This product is highl
crops. Protective informat
tension Service.**

Highly toxic to fish. Contaminate water by cleaning only as specified on this label.



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BACK RUBBER DEVICES—To aid in reduction of lice and horn flies on beef cattle, use 1 part of the concentrate mixed in 27 parts of fuel oil (2 percent malathion), e.g., 1 pint of concentrate in 3¾ gallons of fuel oil, and apply this mixture to saturate fabric covering of back rubber device or to fill storage tank of machine applicator. Observe back rubber device frequently and re-treat it every 2 or 3 weeks or when necessary. The back rubber device or applicator should continuously and readily be accessible to the beef cattle. Preferably it should be installed in gateways, entrances, or lanes leading from pasture to water or salt, so the cattle will be forced to rub against it in going from one area to another.

DO NOT APPLY TO DAIRY ANIMALS. DO NOT MAKE TREATED BACK RUBBER DEVICES ACCESSIBLE TO DAIRY ANIMALS. DO NOT TREAT ANIMALS UNDER 1 MONTH OF AGE.

SWINE

SPRAY—To control lice on hogs, use 1 gallon in 100 gallons of water and apply complete coverage spray to animals, pens, and litter. One treatment may be sufficient; repeat application only if needed at 19 day intervals. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.

POULTRY

DIRECT APPLICATION—To control northern fowl mite (feather mite), poultry lice, and as a supplement to premise treatments for chicken red mite, use 2 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.

PREMISE TREATMENT—To control northern fowl mite, chicken red mite, poultry lice, and flies, use 4 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 tablespoonful 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.

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

DILUTION RATE FOR SMALL APPLICATION EQUIPMENT

Amount in 100 Gallons
1 Pint
1 Gallon

Amount in 1 Gallon
1 Teaspoonful
2½ Tablespoonfuls

The dosage rate of 2 pints per acre is equivalent to approximately ½ teaspoonful per 1,000 square feet, which usually can be applied to that area in 3 gallons of water in a typical compressed air sprayer.

CAUTION:

HARMFUL IF SWALLOWED. AVOID BREATHING VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN. WASH THOROUGHLY AFTER USING. AVOID CONTAMINATION OF FEED AND FOODSTUFFS. Keep container closed when not in use. Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplier. DO NO USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

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.

Highly toxic to fish. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.