

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
CAUTION**

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans, household pets or livestock. Do not permit children or pets to go onto the sprayed grass until spray has completely dried.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, or ponds. 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 pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food, or feed by storage or disposal.
Pesticide Disposal: Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.
Container Disposal: Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State and Local procedures.
General: Consult Federal, State or Local disposal authorities for approved alternative procedures.



FOR USE BY PEST CONTROL OPERATORS

ACTIVE INGREDIENTS:

Malathion* 57.0%
Xylene 32.0%

INERT INGREDIENTS 11.0%

(O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate) 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

If swallowed—Call a physician immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.
If inhaled—Remove victim to fresh air. Apply respiration if indicated.
If on skin—Wash immediately with soap and water.
If in eyes—Flush eyes for at least 15 minutes with water. Call a physician immediately.
See side back panels for additional precautionary statements.

EPA Reg. No. 148-1056

7-82

EPA Est. No. 655-GA-1

NET CONTENTS GAL. (litres)



**THOMPSON-HAYWARD
CHEMICAL COMPANY**

P.O. BOX 2383, KANSAS CITY, KANSAS 66110

ACCEPTED
SEP 3 1982
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered, for the pesticide use specified under label No. 148-1056.

DIRECTIONS

Dissolve in 1 quart of water for 1 gallon of water. Use as directed.

For general application use from 1/2 to 1 gallon of water per 100 sq. ft. of area. Apply at rate of 1/2 to 1 gallon of water per 100 sq. ft. of area.

HOUSEHOLD PESTS

To control ants, roaches, crickets, silverfish, fleas, ticks, and other household pests, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

MEAT AND FOOD PROCESSING PLANTS

For control of house flies, cockroaches, and other pests in meat and food processing plants, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

FOOD HANDLING ESTABLISHMENTS

For control of house flies, cockroaches, and other pests in food handling establishments, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

FOOD AREAS

For control of house flies, cockroaches, and other pests in food areas, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

NON-FOOD AREAS

For control of house flies, cockroaches, and other pests in non-food areas, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

ANIMAL INSECT CONTROL

HOGS: Lice and sarcoptic mange: mix 4 tablespoons in one gallon (1 qt. to 25 gal.) of water and apply as a complete coverage spray to animals, pens, and litter. For mange spray all animals in herd. Cover all body surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

BEEF CATTLE: To control lice dilute 1 quart in 25 gallons of water for tick control—1 to 2 quarts per 25 gallons and for horn fly control 1 to 1 1/2 quarts per 25 gallons of water. Apply complete coverage spray. For lice repeat application only as needed. For ticks and horn fly control, repeat application at 2 week intervals if needed. Do not treat calves under one month of age. Do not apply to dairy animals.

DOGS AND CATS: To control fleas mix 2 tablespoons in one gallon of water, wet animals thoroughly using a hand sprayer. Repeat applications if necessary, not more often than once every 2 or 3 weeks. Do not treat animals under 1 month of age.

ANIMAL QUARTERS: For control of fleas in kennels, pens, yards, lairs and under houses, remove manure or debris. Apply spray at 1/2 to 1 gallon of water per gallon of water at rate of 1/2 to 1 gallon per 1000 sq. ft. Use garden sprayer.

POULTRY (Direct Application): To control Northern Fowl Mite and Poultry Lice use 2 tablespoons per 1 gallon water per 100-150 birds. Premise Treatment.

To control above plus Chicken Red Mite and Flies use 4 tablespoons in 1 gallon of water. Apply liberally to their walls, ceilings, nests, perches and adjacent areas. Force spray into cracks and crevices. On all poultry treatments repeat as necessary.

USES

For control of house flies, cockroaches, and other pests in meat and food processing plants, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

OUTDOORS—Mosquitoes and Small Flying Insects

For control of mosquitoes and other small flying insects, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

Protection of Stored Grains

For control of stored grain pests, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

Residual Spray

For a residual kill, dilute 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

RESIDUAL SPRAY—BOXCARS FOR LOADING AND TRANSPORTING BAGGED FLOUR AND PACKAGED CEREALS

For control of the exposed stages of confused flour beetle, Indian meal moth, and other pests in bagged flour and packaged cereals, mix 1 quart of product with 25 gallons of water. Apply as a complete coverage spray to all surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control, however extensive cases of mange may need retreatment in 10 days. For lice retreat as necessary.

FOR PEANUTS STORED IN BULK

For control of stored peanuts against infestations of red four beetle, Indian meal moth, confused flour beetle, rice weevil, flat grain beetle, rusty grain beetle, lesser grain borer, granary weevil and saw-toothed grain beetle, mix 1 quart of product with 25 gallons of water. Apply spray mixture at the rate of 5 quarts per 15 tons of farmers stock peanuts as they go into storage. Mix and apply spray in the same day. Do not use a spray mixture which has been stored longer than 12 hours.

Use good spray equipment. Apply coarse spray uniformly. Preferably use a suitable mechanical spray applicator that regulates air flow and application to the tick of peanuts. Adjust the operating pressure of spray pump and size of nozzle opening to correlate the amount of spray delivered with the rate of flow of peanuts. Do not spray against wind.

SUPPLEMENTAL SURFACE SPRAY

After warehouse has been treated, level surface of peanuts before spraying. Apply surface spray using 1 1/2 pints in 2 gallons of water and apply at the rate of 1/2 to 1 gallon per 1000 sq. ft. of surface. Apply first treatment as soon as bins are filled and do not later than the first week in October. Apply the second surface treatment 1 month later followed by treatments at 2 month intervals. Use a piston type power sprayer equipped with agitator and nozzle capable of delivering a coarse spray. Repeat surface application 60 days after warm temperatures prevail. Otherwise delay further treatment until late winter.

PLANT INSECT CONTROL

Plant	Pest	Dilution Per 100 Gallons Water	Pre harvest interval days
FRUIT CROPS			
Apple	Apple Maggot	1:2	14
Apple	Apple Worm	1:2	14
Apple	Apple Borer	1:2	14
Apple	Apple Aphid	1:2	14
Apple	Apple Mite	1:2	14
Apple	Apple Scale	1:2	14
Apple	Apple Leafhopper	1:2	14
Apple	Apple Spider Mite	1:2	14
Apple	Apple Sawfly	1:2	14
Apple	Apple Flea Beetle	1:2	14
Apple	Apple Curculionid	1:2	14
Apple	Apple Weevil	1:2	14
Apple	Apple Crane Fly	1:2	14
Apple	Apple Girdler	1:2	14
Apple	Apple Bark Beetle	1:2	14
Apple	Apple Root Borer	1:2	14
Apple	Apple Leaf Miner	1:2	14
Apple	Apple Fruit Wasp	1:2	14
Apple	Apple Honey Bee	1:2	14
Apple	Apple Bumble Bee	1:2	14
Apple	Apple Fly	1:2	14
Apple	Apple Mosquito	1:2	14
Apple	Apple Tick	1:2	14
Apple	Apple Flea	1:2	14
Apple	Apple Flea Beetle	1:2	14
Apple	Apple Curculionid	1:2	14
Apple	Apple Weevil	1:2	14
Apple	Apple Crane Fly	1:2	14
Apple	Apple Girdler	1:2	14
Apple	Apple Bark Beetle	1:2	14
Apple	Apple Root Borer	1:2	14
Apple	Apple Leaf Miner	1:2	14
Apple	Apple Fruit Wasp	1:2	14
Apple	Apple Honey Bee	1:2	14
Apple	Apple Bumble Bee	1:2	14
Apple	Apple Fly	1:2	14
Apple	Apple Mosquito	1:2	14
Apple	Apple Tick	1:2	14
Apple	Apple Flea	1:2	14
Apple	Apple Flea Beetle	1:2	14
Apple	Apple Curculionid	1:2	14
Apple	Apple Weevil	1:2	14
Apple	Apple Crane Fly	1:2	14
Apple	Apple Girdler	1:2	14
Apple	Apple Bark Beetle	1:2	14
Apple	Apple Root Borer	1:2	14
Apple	Apple Leaf Miner	1:2	14
Apple	Apple Fruit Wasp	1:2	14
Apple	Apple Honey Bee	1:2	14
Apple	Apple Bumble Bee	1:2	14
Apple	Apple Fly	1:2	14
Apple	Apple Mosquito	1:2	14
Apple	Apple Tick	1:2	14
Apple	Apple Flea	1:2	14
Apple	Apple Flea Beetle	1:2	14
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Apple	Apple Girdler	1:2	14
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Apple	Apple Root Borer	1:2	14
Apple	Apple Leaf Miner	1:2	14
Apple	Apple Fruit Wasp	1:2	14
Apple	Apple Honey Bee	1:2	14
Apple	Apple Bumble Bee	1:2	14
Apple	Apple Fly	1:2	14
Apple	Apple Mosquito	1:2	14
Apple	Apple Tick	1:2	14
Apple	Apple Flea	1:2	14
Apple	Apple Flea Beetle	1:2	14
Apple	Apple Curculionid	1:2	14
Apple	Apple Weevil	1:2	14
Apple	Apple Crane Fly	1:2	14
Apple	Apple Girdler	1:2	14
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