

TOWAS

ACCEPTED

NOV 1 1985

Under FIFRA, this pesticide is
registered under the Fungicide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10370-147

50% MALATHION

EMULSIFIABLE CONCENTRATE

FOR HOUSEHOLD INSECTS - FLEAS ON DOGS AND CATS - ORNAMENTAL PEST CONTROL
FRUIT INSECT CONTROL - VEGETABLE GARDENS - LIVESTOCK PEST CONTROL
STORED GRAINS - CITRUS INSECT CONTROL - PEANUTS IN STORAGE
FLOWER GARDENS - GREENHOUSE VEGETABLES - MUSHROOMS

ACTIVE INGREDIENT:

Malathion* 50.0%

INERT INGREDIENTS: 50.0%

100.0%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

Contains "CYTHION (R) Insecticide" "The Premium Grade Malathion" (R)

Registered Trade Marks American Cyanamid Company

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

STATEMENTS OF PRACTICAL TREATMENTS

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Malathion upon repeated, prolonged or careless exposure may cause cholinesterase inhibition. Atropine is antidotal. Aromatic solvent may present aspiration hazard. Gastric lavage indicated if product was swallowed.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 10370-RUT

EPA EST. NO. 10370-TX-1

NET CONTENTS 1 GALLON (6 OZ. 16 OZ. 32 OZ. 1 GAL.)

MANUFACTURED BY

ford's

Chemical & Service, Inc.

2730 PASADENA BLVD.

PASADENA, TEXAS 77503

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not treat areas frequented by children and do not allow children in treated areas until the spray has dried. Do not apply this product in such a manner as to directly or through drift expose workers or other person. The area being treated must be vacated by unprotected persons. NOTE TO PHYSICIAN: Malathion upon repeated, prolonged and careless use may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish, shrimp, crab, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crab may be killed at application rates 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. This product is highly toxic to bees exposed to direct treatment or residues on weeds or crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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

Do not contaminate water, food or feed by storage or disposal. STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children. HOUSEHOLD: Do not reuse empty container. Wrap and put in trash. PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved wastes disposal facility. CONTAINER DISPOSAL: GLASS- Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures. METAL- Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

IMPORTANT - READ BEFORE APPLYING THIS FOR HOUSEHOLD INSECT CONTROL: The solvent in this product may stain certain fabric, plastic, rubber and asphalt materials such as tiles, carpet, and floor coverings. Avoid treating them or treat a very small inconspicuous area first to see if the material is affected by the spray. If unaffected treat them sparingly and clean thoroughly after the insecticide has dried. Otherwise do not treat.

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this material not in accordance with the terms of this label.

HOUSEHOLD INSECTS INSIDE DWELLINGS

INSECTS	AMOUNT OF CONCENTRATE PER QUART OF WATER
FLEAS: Contact Spray -	1 teaspoonful / Qt.
Residual Spray -	3 teaspoonfuls / Qt.
On Dogs & Cats -	1 1/2 teaspoonful / Qt.
Animal Quarters -	3 teaspoonfuls / Qt.
LICE & BROWN DOG TICKS: Residual Spray -	3 teaspoonfuls / Qt.
ANTS, CLOVER MITES, CRICKETS, EARWIGS, PANTRY PESTS (Sawtoothed Grain Beetles Rice Weevils, Dermestids, Indian Meal Moth larvae) ROACHES, SCORPIONS, SILVER- FISH AND SPIDERS. -	4 teaspoonfuls / Qt.

After mixing the spray apply as a coarse wet mist. Thoroughly clean, sweep and vacuum all areas before the treatment and also after the area has been ventilated and the spray has dried.

HOW TO APPLY: For Fleas, Lice and Brown Dog Ticks thoroughly treat areas where insects may enter or congregate such as door sills, window frames, baseboards, closets, storage cabinets, openings around water pipes, in the home or other buildings. Treat pet sleeping quarters and adjacent areas of floor and carpeting (see important notice). Replace quarters with fresh animal bedding after treatment.

For Bedbugs, mix 3 teaspoonfuls in 1 quart of Deobase Kerosine. Apply lightly to mattress surfaces in sufficient quantities to mist the fabric, the bed, and framework making sure to wet all possible insect hiding places. Repeat applications as needed for insect control.

PEST CONTROL IN AND AROUND HOMES, DAIRIES, & FOOD PROCESSING PLANTS

For control of insects as listed in the chart mix as indicated and apply to window frames, baseboards, under sinks, drainboards, stoves, cracks and crevices and other areas where insects may breed and hide. Repeat as needed for control ONLY AS A CRACK AND CREVICE TREATMENT. Do not contaminate milk, milking equipment or utensils.

FOR FLEAS ON DOGS AND CATS

Mix as indicated in the chart and thoroughly wet the animal with a hand sprayer or by sponge bathing. Animals that run outside may need to be retreated in 2 to 3 weeks. Examine for Fleas before re-treating. Do not treat animals under one month of age. Wear rubber gloves to protect against contact with spray mix when treating animals. IN ANIMAL QUARTERS: Mix for a "residual spray" and treat kennels, pens, yards, and under houses and porches for Fleas and Brown Dog Ticks. Apply 1 quart of ready to use spray to cover approximately 250 sq. ft. of surface. Treat runways, soil and grass thoroughly. Wash and replace treated bedding.

LIVESTOCK PEST CONTROL

BEEF CATTLE, GOATS, AND NON-LACTATING DAIRY ANIMALS: For control of Lice, Ticks, and Horn Flies mix 6 1/2 ounces in 5 gallons of water and with the use of a power sprayer apply thoroughly to animals with enough pressure to part the hair. NOTE: Do not treat during lactation or within 2 weeks of freshening. Repeat treatment if needed at two week intervals.

SWINE: For Lice mix 6 1/2 ounces in 5 gallons of water. Apply with a power sprayer as a complete spray to animals, pens, and litter. One treatment may be sufficient, Repeat only as needed. Do not contaminate feed, food, food containers nor watering troughs. Treated animals should be kept out of the sun and weather for a few hours after treatment.

CONTROL OF STORED GRAIN INSECTS

INSECTS: Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetle, Granary Weevil, Indian Meal Moth, Lesser Grain Beetle, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Sawtoothed Grain Beetles, Cadelle.

PROTECTION OF STORED GRAIN AND MIXING RATE: For Wheat, Oats, Rice, Corn, Rye, Barley, and Grain Sorghum. Mix 1 pint in 2 to 5 gallons of water to spray each 1,000 bushels of grain as it is being loaded or turned into final storage. This is best done by mounting the sprayer nozzle over a conveyor belt and adjusting the flow to the movement of the grain.

PROTECTION OF FIELD OR GARDEN SEEDS: Mix 1/2 pint in 1 to 2 1/2 gals of water to spray treat 500 bushels of seed as it is being turned into final storage.

SURFACE TREATMENT FOR INDIAN MEAL MOTH LARVAE: Mix 1/2 pint in 1 to 2 gallons of water to spray treat each 1,000 Sq.Ft. of grain surface after the bin is filled. Repeat within 2 weeks if needed.

EMPTY BINS: Thoroughly clean inside and out by sweeping up old grain and removing refuse and debris. Mix 1 pint in 3 gallons of water and spray treat walls, ceilings, floors, augers and machinery by forcing spray into cracks and crevices where insects may hide. Also apply to truck beds, boxcars, and any other mobile unit used for the movement of grain. Spray to point of run-off.

PEANUT STORAGE- EMPTY BINS : For control of listed insects in Empty Storage Bins 1 to 2 weeks prior to filling clean inside and out sweeping up old trash and refuse. Mix 1 pint in 2 1/2 gallon of water and thoroughly spray walls inside and out to a height of 6 to 8 feet and the surrounding ground premises out 6 to 8 feet from the bin. Apply to point of spray run-off.

PROTECTION OF PEANUTS GOING INTO STORAGE: Mix 2 1/2 pints in 5 gallons of water to treat 15 tons of farmers' stock peanuts as they go into storage. Apply as a coarse spray adjusted with suitable mechanical equipment regulated to the flow of peanuts over the conveyor equipment. The nozzle should be protected against wind and air currents to assure that the spray will be deposited on peanuts.

FRUIT INSECT CONTROL

To protect most fruit a regular spray schedule should be set at 10 to 14 day intervals after the trees have bloomed and the small fruit has formed. For best results consult your local Agricultural Extension Service for spray schedules and proper timing of applications for your locality.

APPLES: To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red Banded Leafrollers, and Spider Mites, mix 2 teaspoonfuls in 1 gallon of water. Make two or more applications for mites and one or more for aphids spaced at 7 to 10 days intervals or as a schedule indicates for a cover spray. Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

GRAPES: For Leafhoppers, Spider Mites, and Mealy Bugs, mix 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest. May cause injury to foliage of certain varieties. As a test, spray several leaves of the plant first and then observe later. If no damage results it is safe to apply.

CHERRIES: For Black Cherry Aphids and Fruit Tree Leafrollers, mix 1 teaspoonful in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties. Test spray, as for grapes, before application.

FRUIT INSECT CONTROL CONTINUED.....

PEARS: To control Codling Moth, Fruit Trees Leafrollers, Pear Psylla, Plum Curculio and Red Banded Leafrollers, use 2 teaspoonfuls per gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeastern States.

PEACHES: For Spider Mites, Oriental Fruit Moth and Plum Curculio, mix 2 teaspoonfuls in 1 gallon of water. Spray when damage is first seen or anticipated. Do not apply later than 7 days before harvest.

PLUMS & PRUNES: For Mealy Plum Aphid use 1 teaspoonful in 1 gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest.

STRAWBERRIES: For control of Spider Mites, and Aphids mix 1 teaspoonful in 1 gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest. NOTE: Do not apply when fruit is in bloom and bees are present. Plan on a regular spray application to fruit at 1 to 2 weeks intervals through the growing season to get best results.

PECANS: Follow a suggested spray schedule to control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera. Mix 2 teaspoonfuls in 1 gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated.

CITRUS INSECT CONTROL

For use on Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, and Tangelos. For control of Black Scale, California Scale, Citricola Scale, Soft Scale, and Yellow Scale mix 1 to 1 1/2 teaspoonfuls per gallon of water. For control of Florida Red & Purple Scale and the Mediterranean Fruit Fly use 2 teaspoonfuls per gallon of water. For Thrips and Aphids use 1 1/2 teaspoonfuls per gallon of water. This spray will also suppress Spider Mites that may be present. Apply spray to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is anticipated. Do not apply when trees are in bloom or within 7 days of harvest.

OUTDOOR ORNAMENTAL INSECT CONTROL

WHERE TO USE: May be used on a wide variety of Flowers, Shade Trees and Shrubs and for the Insects as listed below. Due to possible plant injury do not use on the following plants: Ferns, Hickory, Viburnum, Lantana, Crassula, Cannarti Juniper, Boston Ferns, Pteris Ferns, or Maidenhair ferns, Petunia, Small Leaf Spirea, White Pine or Maples,

HOW TO USE: Mix the proper amount in a Hose-End Sprayer designed for use on Shrubs, or a hand pressure or pump sprayer. Thoroughly spray all portions of the plant; including the undersides of leaves, stems, and buds. Repeat as needed for control.

ORNAMENTAL INSECT CONTROL (Cont.)

HOW TO MIX: For all insects other than Pine Needle or Wax Scale use 2 tsp/gal of water. For Pine Needle and Wax Scale use 4 tsp/gal. of water. Treat when insects are first seen and/or their damage is first noticed. Repeat as needed for control.

Aphids	Potato Leafhopper	Florida Scale*
Bagworms	Rose Leafhopper	Juniper Scale*
Birch Leaf Miner	Scale Insects:	Black Scale Crawlers
Boxwood Leaf Miner	Oyster Shell Scale*	Soft Brown Scale
European Pine Shoot Moth	Euonymous Scale	Monteray Pine Scale
Four-lined Leaf Bug	Scurfy Scale	Pine Needle Scale
Japanese Beetle Adult	Azalea Scale	Wax Scale**
Lace Bugs	Magnolia Scale	Spider Mites,
Mealybugs	Pine Leaf Scale	Tarnished Plant Bug
Oak Kermes*	Fletchers Scale*	Ten Caterpillar
		Thrips (exposed stages)

*Apply when Scale Crawlers have settled on the foliage. **Apply in spring when crawlers are active. Repeat in 1 or 2 full coverage application at 10 day intervals.

VEGETABLE GARDEN INSECT CONTROL

HOW TO SPRAY: Mix the proper amount in a Hose-End Garden Type Sprayer or a hand held Garden Pressure Sprayer. Thoroughly mix and apply to all portions of the plant; undersides of leaves, stems, buds, and developing fruit. Do not spray blooms.

WHEN TO USE: Treat in the spring and/or when insects are first seen or their damage is noticed. Do not spray later than the *days as shown before harvest. Repeat otherwise as needed. Do not apply to wet vine crops.

HOW TO MIX: Mix 2 teaspoonfuls per gallon of water.

Beans - Aphids, Spider Mites, Cucumber Beetles, Leafhoppers	-	1 day
Celery - Aphids, Spider Mites	- - - - -	7 days
Cucumbers, Squash, Melons - Aphids, Spider Mites, Cucumber Beetles, Leafhoppers	- - - - -	1 day
Cabbage, Broccoli, Kale, - Aphids, Imported Cabbage Worm, Mustard, Turnips, Head Cabbage Looper, Leafhoppers	- - - - -	7 days
Lettuce		
Eggplant - Aphids, Spider Mites	- - - - -	3 days
Onions - Exposed Thrips	- - - - -	3 days
Peppers - Aphids	- - - - -	3 days
Potatoes - Aphids, Leafhoppers, Mealy Bugs	- - - - -	0 days
Radishes - Aphids	- - - - -	7 days
Tomatoes - Aphids, Spider Mites	- - - - -	1 day

FOR USE IN THE GREENHOUSE

The above listed plants may be treated for the listed insects when grown in a greenhouse. Observe proper ventilation procedures and treat plants in early morning during cool temperatures. Thoroughly treat all portions of the plant. Observe the pre-harvest spray limitation "days" as listed. Certain vegetables may be injured if sprayed when the humidity and temperature is very high. "Test spray" a leaf or two and observe later before applying to entire crop. Otherwise treat only when greenhouse temperatures are moderate as 70 to 75 degrees F.

MUSHROOM HOUSES

For control of Mites, Phorid and Sciariid Flies, mix 2 tsp in 3 gallon of water and apply to treat 1,000 sq.Ft. of mushroom beds. Make a thorough application as soon after harvest as possible. Repeat applications as necessary, usually twice per week until insects are under control. Do not apply within 1 day of mushroom harvest.