

P.T.O. MALATHION 50% E.C.

Premium Grade

For Household Insects-Fleas on Dogs
& Cats-Ornamental Pest Control-Fruit
Insect Control-Vegetable Gardens -
Livestock Pests-Stored Grain-Peanuts

ACTIVE INGREDIENT	
Malathion*	50.00%
INERT INGREDIENTS	50.00%
	Total 100.00%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate.

Contains "CYTHION" Malathion. Reg. T.M. American Cyanamid Company-"THE PREMIUM GRADE MALATHION".

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Side Panel for Additional Precautionary Statements

STATEMENT OF PRACTICAL TREATMENTS

IF SWALLOWED - Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazard.

Never give anything by mouth to an unconscious or convulsing person. This product contains an aromatic petroleum solvent. Treat symptomatically. IF INHALED - Remove victim to fresh air at once. Apply respiration if indicated. IF ON SKIN - Wash thoroughly with soap & hot water. IF IN EYES - Wash with plenty of water for 15 minutes. Call a physician.

E.P.A. Reg. No. 3314-IG E.A.A. Est. No. 3314-Fl-3
(83)

Net Contents 8 Oz.; 1 Pint; 1 quart; 1 Gallon

COLONIAL PRODUCTS, INC.
1830 Tenth Avenue North
Lake Worth, Florida 33461

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing of spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and food stuffs. NOTE TO PHYSICIAN: Malathion upon repeated, prolonged or careless use may cause cholinesterase inhibition. Atropine is antidotal.

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.

ENVIRONMENTAL HAZARDS

Highly toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes and containers. 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.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

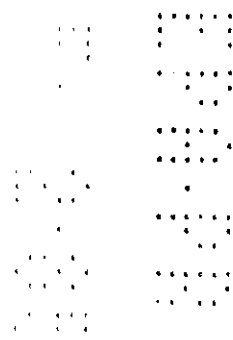
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. STORAGE: Store product in original container in a cool, dry, locked, place out of reach of children. CONTAINER DISPOSAL: Do not re-use empty bottle. Wrap bottle and put in trash.

IMPORTANT: The solvent used in this product may stain certain fabrics, plastic, rubber and asphalt materials such as tiles, carpets, and floor coverings. Treat them sparingly and clean them after the insecticide has dried. Do not treat areas frequented by children and do not allow them in treated areas until the spray has dried.

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



HOUSEHOLD INSECTS
INSIDE DWELLINGS

HOW TO MIX

INSECTS	AMOUNT CONC. PER QUART WATER
FLEAS -	
Contact Spray - - - - -	1 teaspoonful per quart
Residual Spray - - - - -	3 teaspoonfuls per quart
On Dogs & Cats - - - - -	1-1/2 teaspoonful per quart
Animal Quarters - - - - -	3 teaspoonfuls per quart
LICE -	
Residual Spray - - - - -	3 teaspoonfuls per quart
BROWN DOG TICK	
Residual Spray - - - - -	3 teaspoonfuls per quart
ANTS, CLOVER MITES, CRICKETS, EARWIGS, PANTRY PESTS (Saw Toothed Grain Beetle, Rice Weevil, Dermestids, Indian Meal Moth larvae), ROACHES, SCORPIONS, SILVERFISH, SPIDERS	
(3 Teaspoonfuls = 1 tablespoonful)	

After mixing apply as a coarse wet mist. Thoroughly clean, sweep and vacuum all areas possible before spraying. Remove dead insects afterwards.

IN THE HOME - 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. Replace animal quarters with fresh bedding after treatment.

For Bedbugs, mix 3 teaspoonfuls in 1 quart of deodorized base oil (Kerosene). Apply lightly to mattress surfaces in sufficient quantities to mist the fabric and generously to beds and woodwork with special attention to wet all possible hiding places. Do not contaminate food utensils, milk, milk equipment nor water. Repeat applications as needed for insect control.

IN AND AROUND HOMES, DAIRIES, FOOD PROCESSING PLANTS ; For the insects as listed above in chart mix as indicated and apply to window frames, baseboards, under sinks, drainboards, stoves, cracks and crevices and other areas where insects may feed and hide. Repeat as needed for control.

FLEAS ON DOGS AND CATS

Mix as indicated above and thoroughly wet animals by a hand sprayer, or 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 when treating animals.

FLEAS AND TICKS IN ANIMALS QUARTERS - Mix as indicated above and spray kennels, pens, yards, and under houses and porches to control Ticks and Fleas. Apply one quart ready to use spray to cover approximately 250 sq. ft. Treat runways, soil and grass thoroughly. Replace treated bedding with fresh bedding. Remove manure and refuse.

LIVESTOCK PEST CONTROL

BEEF CATTLE, GOATS, and NON LACTATING DAIRY ANIMALS-For control of Lice, Ticks, and Horn Flies mix 1 gallon of this product in 100 gallons of water and using a power sprayer apply thoroughly to animals with enough pressure to part the hair. Small dilution rate; (6 1/2 ounces in 5 gallons of water).

NOTE - Do not treat during lactation or within 2 weeks of freshening. Do not apply to calves under one month of age. Repeat treatment if needed at two week intervals.

SWINE - For Lice mix 1 gallon of this product in 100 gallons of water (6 1/2 ounces per 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 containers nor watering troughs. Treated animals should be kept out of the sun and "weather" for a few hours after treatment.

STORED GRAIN

INSECTS CONTROLLED - 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, Saw-toothed Grain Beetle.

PROTECTION OF STORED GRAIN - Wheat, Oats, Rice, Corn, Rye, Barley, and Grain Sorghum; Mix 1 pint of this product in 2 to 5 gallons of water to spray treat each 1,000 bushels of grain as it is being loaded or turned into final storage.

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

SURFACE TREATMENT FOR INDIAN MEAL MOTH - Mix 1/2 pint of this product in 1 to 2 gallons of water to spray 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 gallon of this product in 25 gallons of water. Spray walls, ceilings, floors, augers, & machinery by forcing spray into cracks and crevices where insects may hide. This applies also to truck beds, boxcars, and ships' holds. Spray to the point of run-off, inside and out.

PROTECTION OF STORED PEANUTS - For list of insects see paragraph above under INSECTS CONTROLLED.

Residual Warehouse Spray - Before Storing Peanuts - Clean warehouse thoroughly of trash and old remains of peanuts 1 to 2 weeks before new peanut crop is stored. Thoroughly spray with sufficient pressure, interior of empty warehouse (including cracks and protected places), outside walls to height of 6 to 8 feet and the ground to a distance of about 6 feet from warehouse by mixing 1 pint of this product in sufficient amount of water to make 2 1/2 gallons of spray or mix 1 gallon in 19 gallons of water. Apply finished spray at the rate of 2 gallons per 1,000 sq.ft. or to point of run-off.

PEANUT DIRECTIONS[CONTINUED]

Bulk Spray Treatment-Peanuts Going into Storage: Apply 2 1/2 pints of this product in 5 gallons of water per 15 tons of farmers' stock peanuts, as they go into storage. Apply coarse spray uniformly. Preferably use suitable mechanical spray applicator which regulates rate of application to flow of peanuts. Otherwise, adjust pressure and size of nozzle opening to rate of flow of peanuts. Shield the nozzles from wind and air currents.

SUPPLEMENTAL SURFACE SPRAY - After the warehouse has been filled level surface of peanuts before spraying. Refer to Directions for Use on 25% Wettable Powder Malathion product for dilution and spraying directions. This treatment should be used in conjunction with the regular spray of this Emulsifiable Concentrate as outlined on this label.

FRUIT INSECT CONTROL

APPLES - To control Aphids, Bud Moth, European scale, Codling Moth, Plum Curculio, Red-Banded Leaf Roller, and Spider Mite, mix 2 tsp. in 1 gallon of water. Make two or more applications for mites and one or more for aphids. Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

GRAPES - For Leaf hoppers, Spider Mites, Mealybugs, use 1 tsp in 1 gallon of water. Do not apply later than 3 days before harvesting. May cause injury to foliage of certain varieties. Check with local Agricultural Authorities.

CHERRIES - For Black Cherry Aphids and Fruit Tree Leaf Rollers; mix 1 tsp in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties.

PEARS - To control Codling Moth, Fruit Tree Leaf Roller, Pear Psylla, Plum Curculio, and Red Banded Leaf Roller use 2 tsp in 1 gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeast.

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

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

STRAWBERRIES - For the control of Spider Mites, and Aphids use 1 tsp. per 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 regular spray applications to fruit at 1 to 2 week intervals through the growing season to get best insect control.

PECANS -To control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera, dilute .2 teaspoonfuls per gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated. Follow a spray schedule.

CITRUS INSECT CONTROL

CITRUS - 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 use 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 2 teaspoonfuls per gal. (This spray will also suppress Spider Mites that may be present).

Apply sprays to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is eminent. Do not apply when trees are in bloom or within 7 days of harvest.

ORNAMENTAL PLANT CONTROL

as listed

Use on a wide range of plants and insects/however do not apply to Boston, Pteris or Maidenhair Ferns, Viburnum, Lantana, Crassula, Canaerti junipers, petunias, or small leaf Spirea since injury may result. The proper use of a spreader sticker will enhance insect control, especially with scale. Treat when insects are first seen and damage is anticipated.

Use 1 pint per 100 gallons water (1 teaspoonful per gallon).
For control of Lace Bugs and Oyster Shell Scale. Apply when Scale crawlers have settled on foliage.

Use 1-1/2 pint per 100 gallons water (2 teaspoonfuls per gallon).
For Aphids, Spider Mites, Mealybugs, Whiteflies, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetles, Potato Leafhopper, Rose Leafhopper, Tarnished Plant Bug, Thrips, and Euonymous Scale.

Use 2 pints per 100 gallons water (2 teaspoonfuls per gallon).
For Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, Oak Kerfies, Tent Caterpillar, Scale insects as: Azalea, Magnolia, Pine leaf scale, Fletchers, Florida Red Scale, and Juniper Scale.

Use 2-1/2 pints per 100 gallons water (2 teaspoonfuls per gallon).
For Black Scale Crawlers, Monterey Pine Scale, and Soft Scale.

Use 4 pints per 100 gallons water (4 teaspoonfuls per gallon).
For Pine Needle Scale, and Wax Scale. Apply in the spring when crawlers are active. Repeat 1 to 2 full-coverage sprays at 10 day intervals.

Thoroughly spray plants particularly the under sides of leaves and the developing fruit.

Use approximately 1 gallon of the ready to use spray per 500 sq.ft. of garden plants. Treat plants when insects are first seen and damage is noticed. Do not spray later than days shown til harvest.

- BEANS** - For Aphids, Spider Mites, Cucumber Beetles, Leaf Hoppers; Use 2 tsp per gallon - 1 day to harvest
- CELERY** - For Aphids, Spider Mites; Use 2 tsp per gallon - 7 days to harvest.
- CUCUMBER, SQUASH, MELONS** - For Aphids, Spider Mites, Cucumber Beetle, Leaf Hopper; Use 2 tsp per gallon - 1 day to harvest. Do not apply unless plants are dry.
- CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS, HEAD LETTUCE** - For Aphids, Imported Cabbage Worm, Cabbage Looper, Leaf Hopper; Use 2 tsp per gallon - 7 days to harvest.
- EGGPLANT** - For Aphids, Spider Mites; Use 1 tsp per gallon - 3 days to harvest.
- ONIONS** - For Thrips; Use 2 tsp per gallon - 3 days to harvest.
- PEPPERS** - For Aphids; Use 1 tsp per gallon - 3 days to harvest.
- POTATOES** - For Aphids, Leaf Hoppers, Mealybugs; Use 1 tsp per gallon - No waiting time til harvest.
- RADISHES** - For Aphids; Use 2 tsp per gallon - 7 days to harvest.
- TOMATOES** - For Aphids, Spider Mites; Use 2 tsp per gallon - 1 day to harvest.