



57% PREMIUM GRADE MALATHION
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.

Do not use this product for any use other than those specified on this label.

For the protection of stored grains such as wheat, oats, rice, corn, rye, barley, grain sorghum and field or garden seeds against confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, Indian meal moth and for control of cereal leaf beetles if they are present, apply CYTHON 57% Emulsifiable Liquid as follows: **RESIDUAL SPRAY-BEFORE STORING GRAINS:** For a residual wall, floor and machinery spray in grain elevators, in trailing truck beds, box cars and ship's holds before loading grain, apply 1 gallon of CYTHON 57% Emulsifiable Liquid per 25 gallons of water making thorough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. **GRAINS GOING INTO STORAGE:** Apply 1 pint of CYTHON 57% Emulsifiable Liquid in 2.5 gallons of water per 1000 bushels. Apply as the grain is being loaded or turned into final storage. **AFTER GRAINS ARE STORED:** To protect stored grains from attack by Indian meal moth, apply CYTHON 57% Emulsifiable Liquid to the surface of clean or uninfested grain at the rate of 1/2 pint in 1-2 gallons of water per 1000 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.

FRUIT CROPS

APPLES AND PEARS - To control codling moth, plum curculio, red-banded leafroller, rosy apple aphid, green apple aphid, wooly apple aphid, pear psylla, European red mite, clover mite, two-spotted mite and Willamette mite, use 2 pints per 100 gallons water and apply sprays in the prebloom pink bud petal fall stages, and every 10 to 14 days thereafter until control is achieved. For two spotted mite and Willamette mite make at least 2 applications 10 to 12 days apart in summer months. **DO NOT APPLY TO PEARS WITHIN 1 DAY OF HARVEST. MAY CAUSE INJURY TO BOSC PEARS IN NORTHEASTERN REGION OF THE UNITED STATES. DO NOT APPLY TO APPLES WITHIN 3 DAYS OF HARVEST. MAY CAUSE INJURY TO MCINTOSH AND CORTLAND VARIETIES OF APPLES IF APPLIED WITHIN 4 WEEKS OF HARVEST.**

PEACHES-To control plum curculio, oriental fruit moth, spider mites, European fruit lecanium scale, terrapin scale, cottony cushion scale, green peach aphid, black cherry aphid, black peach aphid, and rusty plum aphid, use 2 pints per 100 gallons of water. Apply sprays at petal fall, at 7 to 10 days after petal fall and in two or more cover sprays according to local schedules; for scale insects, apply at completion of hatching, usually during June and repeat as necessary. **DO NOT APPLY TO PEACHES WITHIN 7 DAYS OF HARVEST**

NET CONTENTS 1 Gal.

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 1 1/2 to 2 pints (0.93 to 1.25 lb. malathion) per acre in the quantity of water required for uniformly thorough coverage.

APHIDS-On beans, beets, broccoli, Brussels sprouts, cabbage, melons, cauliflower, celery, cucumber, eggplant, kale, lettuce, mustard greens, peas, peppers, potato, spinach, squash, tomato and turnip.

LEAFHOPPERS-On beans, melons, cucumber, celery, eggplant, squash and tomatoes. **MEXICAN BEAN BEETLE**-On beans. **IMPORTED CABBAGE WORM AND CABBAGE LOOPER**-On broccoli, Brussels sprouts, cabbage, cauliflower, kale, lettuce, mustard greens.

THRIPS-On asparagus and onions. **PEPPER MAGGOT**-On peppers. **CUCUMBER BEETLES**-On melons, cucumbers, and squash. **ASPARAGUS BEETLE**-On asparagus. **MEALY BUG**-On potatoes. **PEA WEEVIL**-On peas. **DROSOPHILA**-On tomatoes.

DO NOT APPLY TO BEANS, MELONS, CUCUMBERS, SQUASH, OR TOMATOES WITHIN 1 DAY OF HARVEST. APPLY TO CUCUMBERS ONLY WHEN FOLIAGE IS DRY. DO NOT APPLY TO BROCCOLI, PEPPERS, GREEN ONIONS, PEAS, OR TURNIPS (INCLUDING TOPS) WITHIN 3 DAYS OF HARVEST. DO NOT APPLY TO BEETS, BRUSSELS 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, leafhoppers, spider mites, spittlebug, and alfalfa weevil larvae, use 1 1/2 to 2 pints (0.93 to 1.25 lb. malathion) per acre, for spotted alfalfa aphid, use 1 to 1 1/5 pints (0.625 to 0.75 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. **DO NOT APPLY TO ALFALFA WITHIN 7 DAYS OF HARVEST OR PASTURING. Do not apply during full bloom.**

COTTON-To control boll weevil, cotton aphid, thrips, and leafworm, apply 1 to 2 quarts per acre in the amount of water required for uniformly thorough coverage. Generally apply at the lower rate during the early season and at the higher rate during and after the blooming period.

For boll weevil, during the early season, apply at the 2 to 4 leaf stage or at first squaring, if weevils are present and make 3 or 4 applications at 5 to 7 day intervals, during mid and late season, apply when 10 percent of squares or bolls are punctured, and repeat at 4 to 5-day intervals as necessary. For cotton aphid, apply when aphids are present in buds and on leaves of seedling cotton, or when honeydew appears on leaves of older cotton, repeat as needed. For thrips, apply at the 2 to 4-leaf stage and make 2 or more applications at 5 to 7 day intervals. For leafworm, apply when worms appear, usually during the maturing period, and repeat as needed.

EPA Reg. No. 15575-17



CYTHION

THE PREMIUM GRADE MALATHION

57% EMULSIFIABLE LIQUID

Active Ingredients:

Malathion* 57.0%

Zylene 30.0%

Inert Ingredients 13.0%

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate
(1 gallon contains 5 pounds of Malathion)

CAUTION

KEEP OUT OF REACH OF CHILDREN

See additional CAUTIONS statements on side panel

Seller guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states. Seller makes no other express or implied guarantee, warranty or representation. No Warranty of Merchantability or of Fitness for a Particular Purpose is implied.

Manufactured By
SOUTHLAND AGRICULTURAL CHEMICAL
MONTGOMERY, ALABAMA

CAUTION

Harmful if swallowed. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly after using.

Avoid contamination of feed and feedstuffs. Do not contaminate water. The product is TOXIC to fish. Keep out of lakes, streams or ponds.

NOTICE

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given hereon.

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 SCURFY SCALE - 1½ pints. BIRCH LEAFMINER, BOXWOOD LEAFMINER, AZALEA SCALE, PINE LEAF SCALE, AND MAGNOLIA SCALE - 2 pints. Do not use on Boston, Mandarin, or Parrot ferns. Do not use on palm trees, may cause injury to Citrus.

BEEF CATTLE

Spray - To control lice, mix the indicated dosage with 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.

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 3 3/8 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 every 2 to 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 pens, enclosures, 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.

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 tablespoonfuls 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.

MOSQUITO CONTROL - Mosquito larvae in standing water - Apply CYTHION 57% Emulsi-ble Liquid at the rate of 13 fluid ounces (approximately ½ pound of actual malathion per acre). Mix in sufficient water or oil when applied by air or ground equipment.

Outdoors - Mosquitoes, flies, and small flying insects. As a spray, dilute CYTHION 57% Emulsi-ble Liquid 1 to 20 parts water, fuel oil or diesel oil.

Avoid applying oil based formulations to valuable ornamental plants as injury may occur. NOTE: CYTHION 57% Emulsi-ble Liquid may cause spotting on automobile paint finish. Cars should not be sprayed directly. If accidental exposure occurs, the car should be washed immediately.