



CYTHON[®] 8-E

PREMIUM GRADE MALATHION AGRICULTURAL INSECTICIDE EMULSIFIABLE LIQUID

CONTAINS
CYTHON
THE PREMIUM GRADE MALATHION

ACTIVE INGREDIENTS:

Malathion (O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate)	80.96%
Xylene Range Aromatic Solvent	4.70%
INERT INGREDIENTS:	14.34%

CONTAINS 8 LBS. PREMIUM GRADE MALATHION PER GAL.

COMBUSTIBLE — Do not use or store near heat or open flame.

Rinse spray equipment and containers. Discharge liquid waste in pit in non-crop lands located away from water supplies.
PERFORATE EMPTY METAL CONTAINERS. CRUSH & BURY GLASS.

CAUTION

HARMFUL IF SWALLOWED OR INHALED. Avoid breathing vapor or spray mist. Avoid repeated or prolonged contact with skin. Wash thoroughly after handling. Wash contaminated clothing before re-use. Do not contaminate food and feed.

NOTE TO PHYSICIANS: Malathion, upon repeated, prolonged and careless use, may cause cholinesterase inhibition. Atropine is antidotal.

Keep Out of Reach of Children

Minimum Storage Temperature 0°F. Liquid phases separate at lower temperatures. Warm or store at higher temperatures, and mix thoroughly to recombine liquid phases and assure uniformity before use.

USDA Reg. No. 476-916

S-SF-690819-WC
GAL. NET

Lot No.

STAUFFER CHEMICAL COMPANY

NEW YORK, N.Y. 10017

STRAWBERRIES: Aphids, use at rate 1 pt. Field crickets, egg bugs, potato leafhopper, spider mites, stink bugs, strawberry leaf-miner, strawberry root weevil, thrips, whiteflies; 1½-2 pt. (for strawberry root weevil control) make applications to the soil surface before planting and work into the top 6-8 inches. Do not apply within 3 days of harvest. 1 pt.

SWISS CHARD: Aphids, blister beetle, cucumber beetle, etc. Do not apply within 7 days of harvest. 2 pt.

TOMATOES: Aphids, spider mites, 1½ pt. Drosophila flies, 2 pt. in full coverage application to fruit and foliage. Do not apply within 7 day of harvest. At rates over 2 pt. up to 3½ pt. do not apply within 5 days of harvest. **California only:** These higher rates may be applied up to 3 days of harvest. 3½ pt.

PASTURE AND RANGE LAND: Aphids, grasshoppers, leafhoppers, 1 1/4 pt. Or use 1 1/4 pt. in 1 gal. diesel fuel oil by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing. 1 1/4 pt.

WASTELANDS, ROADSIDES, SOIL-BANK LANDS (Not Grazed): Grasshoppers: 1-2 pt. or in 1 gal. diesel fuel oil by means of an airplane or a turbine-blower type sprayer.

STORAGE PEST PROTECTION

For Protection Against: Cereal Leaf Beetles, Confused Flour Beetle, Indian Meal Moth, Flat Grain Beetle, Granary Weevil, Lesser Grain Borer, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Saw-toothed Grain Beetle.

GRAINS: BARLEY, CORN, GRAIN SORGHUM, SEEDS, OATS, RICE, RYE, WHEAT:

GRAINS — RESIDUAL SPRAY — BEFORE STORING: For walls, floors and machinery in grain elevators, in treating truck beds, boxcars and ships' holds before loading grain. Use 5 pt. per 25 gal. water. Make thorough application. Before applying spray, clean elevators, boxcars, truck beds, etc. thoroughly. Remove and burn all sweepings and debris.

GRAINS — GOING INTO STORAGE: Use 9½ pt. in 25 gal. water per 1000 bu. Apply as grain is being loaded or turned into final storage.

GRAINS — AFTER STORED: To protect clean or uninfested grain from Indian Meal Moth, use 14 pt. in 12 gal. water per 1000 sq. ft. of grain surface area. Apply evenly over surface of grain. Apply immediately after grain is loaded into storage and repeat if necessary.

RESIDUAL SPRAY FOR BOXCARS FOR LOADING AND TRANSPORTING BAG FLOUR AND PACKAGED CEREALS: For control of the exposed stages of 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 Mite pests infesting empty boxcars. Apply as follows: Clean the boxcar thoroughly, then remove and burn all sweepings and debris; spray walls and floor to the point of run-off with either 5 pt. in 25 gal. of water or 5 pt. in 12 gal. of water per 1000 sq. ft. of treated surface. Wet sweepings should be made up of 4 parts kerosene type solvent plus 1 part aromatic hydrocarbon solvent. Repeat the spray to rear stand empty with the same concentration. The spray should be applied to the walls and floor of the boxcar and to the bottom of the grain.

FIELD AND
lected aga
1-2½ gal.
requireme
diesel oil
quarantine

PEANUT
PEANUTS
house thori
before ne
terior of
places. Tr
to a distar
water to r
Apply as a
surface or

PEANUTS

Use 1½ p
peanuts a
Use good
ably, use
the rate o
pressure i
the amount
being treat
by using l
air curren

PEANUTS
been filler
face spray
gal. of wa
surface. A
but not la
treatment
va's. Use
agitator, a
Use spray
large surf

CORN

Dosages g
Aphids, E
Beetle ad
nopper, sc
plant bug
shell scale
Azalea sc
Fletcher's
Oak Kerme
Black sca
Pine need
For oyster
scapes ap

CAUTION
harmful f
children

STRAWBERRIES: Aphids, use at rate 1 pt. for crickets, lygus bugs, potato leafhopper, spider mites, spittlebugs, strawberry leafhopper, strawberry root weevil, thrips, whiteflies; 1½-2 pt. (for strawberry root weevil control) make applications to the soil surface before planting and work into the top 6-8 inches. Do not apply within 3 days of harvest. 1 pt.

SWISS CHARD: Aphids, blister beetle, cucumber beetle. 1 pt. Do not apply within 7 days of harvest. 2 pt.

TOMATOES: Aphids, spider mites, 1½ pt. Drosophila flies, 2 pt. in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. At rates over 2 pt. up to 3½ pt. do not apply within 5 days of harvest. **California only:** These higher rates may be applied up to 3 days of harvest. 3½ pt.

PASTURE AND RANGE LAND: Aphids, grasshoppers, leafhoppers. 1 1/4 pt. Or use 1 1/4 pt. in 1 gal. diesel fuel oil by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing. 1 1/4 pt.

WASTELANDS, ROADSIDES, SOIL-BANK LANDS (Not Grazed): Grasshoppers; 1-2 pt. or in 1 gal. diesel fuel oil by means of an airplane or a turbine-blower type sprayer.

STORAGE PEST PROTECTION

For Protection Against Cereal Leaf Beetles, Confused Flour Beetle, and an Meal Moth, Flat Grain Beetle, Granary Weevil, Lesser Grain Borer, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Saw-toothed Grain Beetle.

GRAINS: BARLEY, CORN, GRAIN SORGHUM, SEEDS, OATS, RICE, RYE, WHEAT:

GRAINS — RESIDUAL SPRAY — BEFORE STORING: For walls, floors, and machinery in grain elevators, in treating truck beds, boxcars, and ship's holds before loading grain. Use 5 pt. per 25 gal. water. Make thorough application. Before applying spray, clean elevators, boxcars, truck beds, etc. thoroughly. Remove and burn all sweepings and debris.

GRAINS — GOING INTO STORAGE: use 5/8 pt. in 2.5 gal. water per 1000 bu. Apply as grains being loaded or turned into final storage.

GRAINS — AFTER STORED: To protect clean or uninfested grain from Indian Meal Moth. Use 1/4 pt. in 10 gal. water per 1000 sq. ft. of grain surface area. Apply evenly over surface of grain. Apply immediately after grain is loaded into storage and repeat if necessary.

RESIDUAL SPRAY FOR BOXCARS FOR LOADING AND TRANSPORTING BAG FLOUR AND PACKAGED CEREALS: For control of the exposed stages of 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 Mite pests infesting empty boxcars. Apply as follows: Clean the boxcar thoroughly, then remove and burn all sweepings and debris. Spray walls and floor to the point of run-off with either 5 pt. in 1.5 gal. of water, or 5 pt. in 1/4 gal. of kerosene. The kerosene solvent solution should be made up of 4 parts kerosene-type solvent plus 1 part aromatic hydrocarbon-type solvent. Let the sprayed boxcar stand empty with the door open until the spray has thoroughly dried on the walls and floor of the boxcar with a draft from before loading.

FIELD AND GARDEN SEEDS

FIELD AND GARDEN SEEDS: Field and garden seeds can be protected against the listed grain pests with a dosage of 1/2 pt. in 1-2 1/2 gal. of water per 500 bu. of seed. May be used under the requirements of the Khapra beetle quarantine, where water or diesel oil emulsions are indicated as prescribed by the current quarantine instructions.

PEANUTS

PEANUTS — RESIDUAL SPRAY — BEFORE STORAGE: Clean warehouse thoroughly of trash and remains of old peanuts 1-2 weeks before new peanut crops stored. Then, thoroughly spray the interior of the empty warehouse, especially cracks and protected places. Treat outside walls to a height of 6-8 ft. and the ground to a distance of 6 ft. from the warehouse. Use 5/8 pt. in sufficient water to make 2 1/2 gal. of spray or 5 pt. with 1/4 gal. of water. Apply as a coarse spray at the rate of 2 gal. per 1000 sq. ft. of surface or to run-off.

PEANUTS — BULK SPRAY TREATMENT — GOING INTO STORAGE: Use 1 3/4 pt. in 5 gal. of water for each 15 tons of farmers stock peanuts as they go into storage.

Use good spray equipment. Apply coarse spray uniformly. Preferably, use a suitable mechanical spray applicator that regulates the rate of application to the flow 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 being treated. Avoid spraying with a fine mist that drifts away by using low nozzle pressure. Shield the nozzle against wind and air currents.

PEANUTS — SUPPLEMENTAL SURFACE SPRAY: After warehouse has been fixed level surface of peanuts before spraying. Apply surface spray using 1 3/4 lb. of Cythion 25% wettable powder in 2 gal. of water and apply at the rate of 2 gal. per 1000 sq. ft. of surface. Apply first treatment as soon as bins filled and leveled but not later than the first week in Oct. Apply the second surface treatment 1 month later, followed by treatment at 2 month intervals. Use a piston-pump type power sprayer, equipped with an agitator, and with a nozzle capable of delivering a coarse spray. Use spray equipment with sufficient capacity and power to cover large surfaces thoroughly.

ORNAMENTALS

Dosages given are for use in 100 gal. of dilute spray
 Aphids, European pine shoot moth, four-lined leaf bug, cicada, leaf beetle, adult, mealybugs, millipedes, potato leafhopper, rose leafhopper, scurfy scale, spider mites, springtails, sowbugs, tarn sheen plant bug, thrips, whitefly, eucyninus scale, false scale, pear and shell scale. 1 pt.
 Azalea scale, bagworms, bronx leafminer, bark beetle, leafminer, Fletcher scale, Flor-daired scale, juniper scale, marsh mite, oak bark kermes, pine leaf scale, tent caterpillar. 1 1/2 pt.
 Black scale crawlers, Monterey pine scale. 1 pt.
 Pine needle scale, wax scale. 1 pt.
 For oyster shell, Fletcher, juniper, oak kermes and pine bark scales, apply when scale crawlers have settled on foliage.

CAUTION: Avoid use in certain farms, including Boston, Michigan and Phos. as well as some species of Grass and other plants.

POULTRY

POULTRY RANGES: 30 galls. Apply 1 pt. Make full coverage application 1 day prior to placing poultry in range. Repeat applications every 2-3 weeks as needed. Avoid contamination of feeding troughs and water fountains.

ROOST PAINT: Chicken red mites, poultry lice. Mix 1/4 fl. oz. of this material per 1 gal. water or diesel fuel oil. Brush on the solution as a roost paint at the rate of 1 pt. per 150 ft. of roost.

FLY CONTROL

For use in and around buildings which house domestic animals, around homes, around yards and the outside of meat and food processing plants. Do not use in the edible product areas of meat and food processing plants.

STRAIGHT CYTHON SPRAYS

Amt. of Spray	Amt. Cythion 4-E	Amt. of Bait Spray	Amt. Cythion 4-E	sugar	unsulfurized Molasses or Corn Syrup
2 1/2 gal.	1/4 cup	2 1/2 gal.	1/4 cup	1 cup	1 cup
10 gal.	1 1/4 pt.	10 gal.	1 1/4 pt.	4 cups	4 cups
100 gal.	11 1/4 gal.	100 gal.	11 1/4 gal.	20 cups	20 cups

CYTHON BAIT SPRAYS

Apply spray at rate of 1 gal. per 1000 sq. ft. on painted surfaces and 2 gals. per 1000 sq. ft. on unpainted surfaces where floor is a light or concrete. In most cases, 100 gal. may be applied. The spray controls the adult population and serves as a fly attractant.

CAUTION: Avoid contamination of farm milk equipment and water. Avoid contamination of feed and food products and drinking fountains. Avoid use in lead mines, mine shafts, and in mines, and avoid contact with animals from bugs, and treating.

DROSOPHILA FLIES AND DRIED FRUIT BEETLES: In areas and fruit and vegetable dumps. Mix 1/4 pt. in 1 gal. of water and apply as a trench spray at 1/2 gal. of spray per 100 sq. ft. of best results. Trench spray is not for use on and do not treat treated fruit and vegetable.

MOSQUITO CONTROL

MOSQUITOES, FLIES AND SMALL FLYING INSECTS: For use by trained personnel as a 1-2% (100) aerosol. Spray 1000 ft. square area at rate of 1/2 to 4 1/2 parts of water per 100 parts of Cythion. For use in water, mix 1/2 part of water per 100 parts of Cythion. For use in water, mix 1/2 part of water per 100 parts of Cythion. For use in water, mix 1/2 part of water per 100 parts of Cythion.

MOSQUITO LARVAE IN STANDING WATER: Apply at the rate of 1/2 gal. per 1000 sq. ft. per acre. Mix in 1000 gal. of water. Obtain even coverage when applied by air or ground. Repeat applications as necessary. Avoid contamination of feed and food products and drinking fountains. Avoid use in lead mines, mine shafts, and in mines, and avoid contact with animals from bugs, and treating.