

**DIRECTIONS FOR USE**

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 Malathion Premium Grade 57% Emulsifiable Liquid as follows:

**RESIDUAL SPRAY - BEFORE STORING GRAINS:** For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships holds before loading grain, apply 1 gallon of Malathion Premium Grade 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 Malathion Premium Grade 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 Malathion Premium Grade 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.

**RESIDUAL SPRAY - BOX CARS FOR LOADING AND TRANSPORTING BAGGED FLOUR AND PACKAGED CEREALS:** For the control 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 box cars into which bagged flour and packaged cereals are to be loaded and transported, apply Malathion Premium Grade 57% Emulsifiable Liquid as follows:

1. Clean the box car thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of run-off with either 1 gallon of Malathion Premium Grade 57% Emulsifiable Liquid in 25 gallons of water or one gallon of Malathion Premium Grade 57% Emulsifiable Liquid in 19 gallons of deodorized kerosene. (The deodorized kerosene solution should be made up of 4 parts kerosene type solvent plus one part aromatic hydrocarbon type solvent.)
3. Let the sprayed box car stand empty with the doors open until the spray has thoroughly dried.
4. Line the walls and floor of the box car with kraft paper before loading.

**FIELD AND GARDEN SEEDS:** Field and garden seeds can be protected against the above grain pests with a dosage of 1/2 pint of Malathion Premium Grade 57% Emulsifiable Liquid in 1 - 2-1/2 gallons of water per 500 bushels of seed. Malathion 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.

**FLY CONTROL:** For use in and around buildings which house domestic animals, around yards, around homes and around meat-processing establishments.

STRAIGHT MALATHION SPRAYS	
Amount Spray	Amount Malathion Premium Grade 57% Emulsifiable Liquid
1 Gal.	5 tablespoonfuls
2-1/2 Gals	1 cup
12 Gals	1 quart

NET CONTENTS FIVE GALLONS

# LYSTADS

# CYTHION®

## THE PREMIUM GRADE MALATHION 57% EMULSIFIABLE LIQUID INSECTICIDE

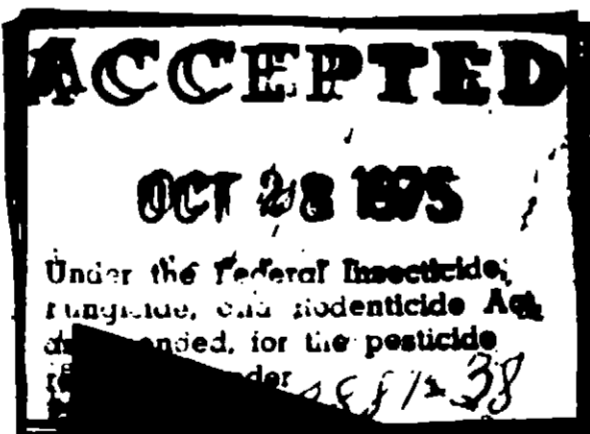
EPA Reg. No. 2881-38

### CAUTION

Read carefully caution statement on back panel.

Keep out of reach of children.

EPA Est. No. 5579 - ND - 1



**DIRECTIONS FOR USE (cont.)**

BAIT SPRAYS, WITH SUGAR, ADD		
Amount Spray	Sugar or	Molasses (unsulfurized) or Corn Syrup
1 Gal.	7 tablespoonfuls	
2-1/2 Gals	1 cup	1 cup
12 Gals	2 1/2 pounds	1 quart

Apply as a spray at the rate of 1 gallon per 1000 square feet on painted surfaces and 2 gallons per 1000 square feet on unpainted surfaces where flies alight or congregate, such as walls, ceilings, stanchions, windows in dairy barns, fences around garbage cans, etc.

For control of fly maggots, apply as a bait spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces. For effective control in and around dairy barns, fly-breeding sites, such as manure and other waste material, should be eliminated. Do not apply to freshly white washed surfaces. Wait 14 days before applying.

Repeat applications as necessary.

Avoid contamination of milk, milk equipment and water.

Avoid contamination of feed and food products, also drinking fountains and feed troughs.

Remove lactating dairy animals from buildings before treating. Also, remove animals under 1 month of age before treating.

**MOSQUITO CONTROL: Mosquito larvae in standing water -** Apply Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 13 fluid ounces (approximately 1/2 pound of 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 Malathion Premium Grade 57% Emulsifiable Liquid 1 to 28 parts of water, fuel oil or diesel oil.

Avoid applying oil based formulations to valuable ornamental plants as injury may occur.

**HOUSEHOLD INSECTS -** Roaches, Ants, Spiders, Silverfish, Crickets, Clover Mites, Earwigs, in and about homes, dairy and food processing plants. Dilute Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 3 tablespoonfuls in 1 quart of water. Apply as a coarse spray or paint with brush to window sills, baseboards, under sinks, drainboards, stoves and to other areas frequented by these pests.

**BEDBUGS:** Dilute Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 2-4 tablespoonfuls per 1 gallon of deodorized kerosene. Apply lightly to all mattress surfaces in sufficient quantity to moisten the fabric and generously to beds and woodwork with special care taken to wet all possible hiding places. Avoid contamination of food, foodstuffs, utensils, milk equipment and water. Repeat applications as necessary.

**FLEAS ON DOGS AND CATS - Direct Application -** Apply spray at a dilution of Malathion Premium Grade 57% Emulsifiable Liquid 1 part per gallon of water. Wet the animals thoroughly using a hand sprayer. Repeat treatments may be used within 2 to 3 weeks.

**Animal Quarters -** For control of flies, mosquitoes, and other pests in animal houses. Dilute 5 ounces of Malathion Premium Grade 57% Emulsifiable Liquid per gallon of water and apply at the rate of 1 gallon per 1000 square feet with a garden sprayer. Remove manure and other waste material from animal quarters and repeat treatment within 2 to 4 weeks if necessary.

**DIRECTIONS FOR USE (cont.)**

BAIT SPRAYS (WITH SUGAR) ADD		
Amount Spray	Sugar or	Molasses (unsulfurized) or Corn Syrup
1 Gal	7 tablespoonfuls	
2 1/2 Gals	1 cup	1 cup
12 Gals	2 1/2 pounds	1 quart

Apply as a spray at the rate of 1 gallon per 1000 square feet on painted surfaces and 2 gallons per 1000 square feet on unpainted surfaces where flies alight or congregate such as walls, ceilings, stanchions, windows in dairy barns, fences around garbage cans, etc.

For control of fly maggots apply as a bait spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces. For effective control in and around dairy barns, fly-breeding sites such as manure and other waste material should be eliminated. Do not apply to freshly white-washed surfaces. Wait 14 days before applying.

Repeat applications as necessary.

Avoid contamination of milk, milk equipment and water.

Avoid contamination of feed and food products also drinking fountains and feed troughs.

Remove lactating dairy animals from buildings before treating. Also, remove animals under 1 month of age before treating.

**MOSQUITO CONTROL: Mosquito larvae in standing water** - Apply Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 1.3 fluid ounces (approximately 1/2 pound of 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 Malathion Premium Grade 57% Emulsifiable Liquid 1 to 28 parts of water. Use fuel oil or diesel oil.

Avoid applying oil based formulations to valuable ornamental plants as injury may occur.

**HOUSEHOLD INSECTS:** Roaches, Ants, Spiders, Silverfish, Crickets, Clover Mites, Earwigs in and about homes, dairy and food processing plants. Dilute Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 3 tablespoonfuls in 1 quart of water. Apply as a coarse spray or paint with brush to window sills, baseboards, under sinks, drainboards, stoves and to other areas frequented by these pests.

**BEDBUGS:** Dilute Malathion Premium Grade 57% Emulsifiable Liquid at the rate of 2.4 tablespoonfuls per 1 gallon of deodorized kerosene. Apply lightly to all mattress surfaces in sufficient quantity to mist the fabric and generously to beds and woodwork with special care taken to wet all possible hiding places. Avoid contamination of food, foodstuffs, utensils, milk equipment and water. Repeat applications as necessary.

**FLEAS ON DOGS AND CATS: Direct Application** - Apply spray of 1 ounce of Malathion Premium Grade 57% Emulsifiable Liquid per 1 gallon of water. Wet the animals thoroughly using a hand sprayer. Repeat treatments may be used within 2 to 3 weeks. Do not treat animals under 1 month of age.

**Animal Quarters** - For control of fleas in kennels, pens, yards, lawns and under houses.

Dilute 5 ounces of Malathion Premium Grade 57% Emulsifiable Liquid in 1 gallon of water and apply at the rate of 1 gallon per 1000 square feet. Use garden sprayer. Remove manure or debris before spraying. Repeat treatment within 3 to 4 weeks if necessary.

**CAUTION**

**HARMFUL IF SWALLOWED**

**AVOID PROLONGED BREATHING OF SPRAY MIST. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING.**

**AVOID CONTAMINATION OF FEED AND FOODSTUFFS.**

**KEEP CONTAINED CLOSED AND AWAY FROM HEAT, SPARKS AND OPEN FLAME.**

**KEEP OUT OF REACH OF CHILDREN.**

**DO NOT USE IN EDIBLE PRODUCTS AREAS OF FOOD PROCESSING PLANTS.**

**LIVESTOCK**

Do not treat animals under 1 month of age

When applying sprays, avoid contamination of feed, food containers and watering troughs

	Pest	Amount Malathion Premium Grade 57% Emulsifiable Liquid	Remarks
Beef Cattle (also non-lactating dairy animals) and	Lice	6-1/2 oz in 5 gal water	Repeat application in 10 days and thereafter as needed
	Ticks	6-1.2 13 oz in 5 gal water	Repeat applications at 2 week intervals as needed
Horses	Hornflies	6-1.2 10 oz in 5 gal water	Repeat applications at 2 week intervals as needed
Hogs	Lice	6-1.2 oz in 5 gal water	Apply a complete coverage spray to animals, pens and litter. Re-treat in 10 days and thereafter as needed. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.
	Sarcoptic Mange		
Sheep and Goats	Lice Ticks Keds	6-1.2 oz in 5 gal water	Spray animals thoroughly. Repeat application after 2 or 3 weeks if needed. Do not apply to milk goats.

Do not apply to lactating dairy animals or nonlactating dairy animals within 2 weeks of freshening

Malathion Premium Grade 57% Emulsifiable Liquid can also be used on fruits, vegetables, field crops, poultry, flowers, trees and ornamentals. For details on all uses, write to American Cyanamid Company.

This product is toxic to fish. Keep out of any body of water. Apply this product only as specified on this label.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place.

**Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.**

Lot No.

**MANUFACTURED FOR**

**LYSTADS, INC.**

**GRAND FORKS, N. DAK. 58201**

of grain surface. Apply the spray evenly over  
Apply immediately after grain is loaded into storage

### INSTRUCTIONS FOR LOADING AND TRANSPORTING BAGGED

**CEREALS:** For the control of confused flour beetle,  
weevil, saw-toothed grain beetle, flat grain beetle, red  
flour beetle, lesser grain borer, Indian meal moth and mite  
in box cars into which bagged flour and packaged cereals  
are transported, apply Malathion Premium Grade 57%  
Emulsifiable Liquid as follows:

1. Thoroughly clean the car and remove all sweepings and

2. Apply to the partition walls with the metering gun of Malathion  
Premium Grade 57% Emulsifiable Liquid 1-2 gallons of water or  
Kerosene. The deodorized kerosene solution should be  
diluted with kerosene type solvent plus one part aromatic by

3. The car should stand empty with the doors open until the spray

4. Cover the floor of the box car with kraft paper before loading

**SEEDS:** Field and garden seeds can be protected against  
injury by a dosage of 1-2 pint of Malathion Premium Grade  
57% Emulsifiable Liquid in 1-2 1/2 gallons of water per 500 bushels of seed  
under the requirements of the Khapra beetle quarantine  
regulations as indicated, as prescribed by the current

5. Use in and around buildings which house domestic animals  
6. Use in and around meat processing establishments

### EIGHT MALATHION SPRAYS

	Amount Malathion Premium Grade 57% Emulsifiable Liquid
	5 tablespoons
	1 cup
	1 quart

# CYTHION®

EMULSIFIABLE LIQUID

EPA Reg.  
No. 2881-38

## CAUTION

Read carefully caution statement  
on back panel.

Keep out of reach of children.

EPA Est.  
No. 5579 - ND - 1

**ACCEPTED**  
**OCT 28 1975**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
discontinued for the pesticide  
registration number 2881-38

### Active Ingredients:

Malathion\* \_\_\_\_\_ 57%  
xylene \_\_\_\_\_ 30%

Inert Ingredients: \_\_\_\_\_ 13%

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

For the Protection of Stored Grains, Bagged Flour, Packaged Cereals and Seeds Against Insects  
For Fly and Mosquito Control - Pet, Household and Livestock Use

\* Registered Trademark - American Cyanamid Company