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# CYTHON<sup>®</sup>

INSECTICIDE

"THE PREMIUM GRADE MALATHION" \*

**57% Emulsifiable Liquid**

**FOR STORED GRAIN**

**CAUTION!**

**KEEP OUT OF REACH OF CHILDREN**

See Side Panel For Additional Cautions

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

**CYANAMID**

Netto Gewicht:  
Menge  
Kilogramm  
Netto Gewicht:

570%  
100%  
100%

© 1971 Cyanamid Company, New York, N.Y.  
U.S. Patent 3,500,000  
USDA Reg. No. 2507

For the Protection of Stored Grains, stored grains, stored grain, packaged cereals,  
all kinds of grain, stored grain,  
for fly and mosquito control, for protection of stored grain

Netto Gewicht: 5 Kilogramm

CYANAMID

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In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

# CAUTION!

## HARMFUL IF SWALLOWED • COMBUSTIBLE

- Avoid prolonged breathing of spray mist
- Avoid contact with skin
- Wash thoroughly after handling
- Do not contaminate food or feed products
- Keep container closed and away from heat and open flame

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

**BEDBUGS:** Dilute CYTHION 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 CYTHION 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 CYTHION 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.

### LIVESTOCK

Do not treat animals under 1 month of age. When applying sprays, avoid contamination of feed, food containers and watering troughs.

Animal	Pest	Amount CYTHION 57% Emulsifiable Liquid	Remarks
Beef Cattle (also nonlactating dairy animals)	Lice	6½ oz. in 5 gal. water	Repeat application in 10 days and thereafter as needed.
	Ticks	6½-13 oz. in 5 gal. water	Repeat applications at 2 week intervals as needed.
Horses	Hornflies	6½-10 oz. in 5 gal. water	Repeat applications at 2 week intervals as needed.

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

Animal	Pest	Amount CYTHION 57% Emulsifiable Liquid	Remarks
Hogs	Lice Sarcoptic Mange	6½ oz. in 5 gal. water	Apply a complete coverage spray to animals, pens and litter. Retreat in 10 days and thereafter as needed. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.
Sheep and Goats	Lice Ticks Keds	6½ oz. in 5 gal. water	Spray animals thoroughly. Repeat application after 2 or 3 weeks if needed. Do not apply to milk goats.

CYTHION 57% Emulsifiable Liquid can be also used on stored peanuts, bagged citrus pulp, fruits, vegetables, field crops, poultry, flowers, trees and ornamentals. For details on all uses, write to American Cyanamid Company.

**DISPOSAL OF DRUMS:** Drain drum completely. Add 5 gallons of water, 1 cup of detergent and 2 pounds of lye. Tighten bungs. Rotate drum to wet all surfaces and let stand for at least 15 minutes. Drain completely and rinse several times with water. Tighten bungs. Transport to a professional drum reconditioner having burning equipment for reconditioning.

\* Trademark

Made and Printed in U.S.A.

**AMERICAN CYANAMID COMPANY**  
**AGRICULTURAL DIVISION**  
**PRINCETON, N. J.**

**DISCLAIMER**

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc. American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY. BUYER assumes the risk of any use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.

**DIRECTIONS FOR USE**

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

**STORED ALMONDS:** To protect stored in-shell almonds from attack by Indian meal moth and merchant grain beetle, apply CYTHION 57% Emulsifiable Liquid as follows: To treat 10,000 lbs. of almonds, use 4 fluid ounces in sufficient water as the almonds go into storage. Use a suitable mechanical spray applicator that regulates the rate application to the flow of the almonds. Avoid spraying with a fine mist that drifts away. Shield the nozzle against wind and air currents.

**STORED GRAINS:** 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 CYTHION 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 CYTHION 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 CYTHION 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 CYTHION 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 CYTHION 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 CYTHION 57% Emulsifiable Liquid in 25 gallons of water or 1 gallon of CYTHION 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 CYTHION 57% Emulsifiable Liquid in 1-2 1/2 gallons of water per 500 bushels of seed.

CYTHION 57% Emulsifiable Liquid 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.

**PLANTS PROCESSING DRY MILK:** For the prevention of spread and the reduction of infestation of black carpet beetles and Trogoderma species, mix 1 pint of CYTHION 57% Emulsifiable Liquid in 2 1/2 gallons of water. Clean premises thoroughly before applying and maintain good sanitation at all times. Use spray equipment and nozzles that will produce a coarse spray. Application must be made only by an experienced or trained person. Apply as a residual spray to all sections of the plant and warehouses where insects hide or crawl such as cracks, corners, edges of floors, lower parts of walls, floors under storage platforms and underneath and behind protected places. Avoid contamination of milk, dry milk, equipment, utensils, work surfaces, containers and liners. Repeat application as necessary.

**FLY CONTROL:** For use in and around buildings which house domestic animals, around yards, homes and meat and food-processing plants. Do not apply in the edible products areas of meat and food processing plants.

STRAIGHT CYTHION SPRAYS		BAIT SPRAYS (WITH SUGAR), Add	
Amount Spray	Amount CYTHION 57% Emulsifiable Liquid	Sugar or	Molasses (unsulfurized) or corn syrup
1 Gal.	5 Tablespoonfuls	7 Tablespoonfuls	7 Tablespoonfuls
2 1/2 Gals.	1 Cup	1 Cup	1 Cup
12 Gals.	1 Quart	2 1/2 Pounds	1 Quart

Apply as a spray at the rate of 1 gallon per 1,000 square feet on painted surfaces and 2 gallons per 1,000 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 one month of age before treating.

**MOSQUITO CONTROL:** Mosquito larvae in standing water (intermittently flooded areas, stagnant water, temporary rain pools) — Apply CYTHION 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 CYTHION 57% Emulsifiable Liquid 1 to 28 parts water, fuel oil or diesel oil.

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

**NOTE:** CYTHION 57% Emulsifiable Liquid may cause spotting on automobile paint finish. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

**HOUSEHOLD INSECTS:** Roaches, Ants, Spiders, Silverfish, Crickets, Clover Mites, Earwigs in and about homes, meat and food-processing plants. Do not apply in the edible products areas of meat and food-processing plants.

Dilute CYTHION 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.

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**ACCEPTED**

**JUN 7 1971**

UNDER THE FEDERAL INSECTICIDE  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTERED  
 UNDER NO. ~~21-47~~... SUBJECT  
 TO ATTACHED COMMENTS.