

[70-124] 1042

CYTHION
PREMIUM GRADE
MALATHION

50% EMULSIFIABLE LIQUID

Trademark of American Cyanamid Company

SPRAYS
BEE SPRAYS
BEEHIVES
BEEHIVES
WHITE FLIES
GREEN
AND MANY
OTHER PESTS

INSECTICIDES
BEEHIVES
GALLS

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1042

FOR USE:
 as, Leafhoppers, Spider
 Flies, Mealybugs, use
 For Japanese Beetle
 Four-lined Leaf Bugs,
 s, Scaré Crawlers, and
 gallon of water.
 per gallon of water on
 s and Mealybugs. Apply
 for the following vege-
 aphids and Leafhoppers),
 aphids), Beans (Aphids,
 Japanese Beetles), Cu-
 and Spider Mites). IM-
 Beans, Cucumbers and
 Do not apply to Head
 Kale within 7 days of
 lettuce within 14 day of
 within 3 days of any
 treated area.

BWT NC



CYTHON
PREMIUM GRADE
MALATHION
50% EMULSIFIABLE LIQUID
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KILLS:

- APHIDS
- RED SPIDERS
- MEALYBUGS
- BAGWORMS
- WHITE FLIES
- FLEAS
- AND MANY OTHER PESTS

ACTIVE INGREDIENTS:		NET WEIGHT ONE LIQUID GALLON
Malathion*	50.0%	
Heavy Aromatic Naphtha	45.0%	
INERT INGREDIENTS	5.0%	
*O, O-dimethyl phosphorodithioate of diethyl mercaptosuccinate		

body surfaces including the inside of the ears. S
 treatment may be necessary in 10 days.
 Hogs should be kept out of sun and wind for
 hours after treatment.
Sheep and Goats:
 Lice, Ticks and Keds: Dilute 4 ounces of Kill-Ko
 Cythion with 3 gallons of water. Treat animals
 oughly. Repeat application after 2 or 3 weeks if ne
 Do not apply to milk goats.
FLEAS IN DOG KENNELS, YARDS, AND ON DOGS:
 infested areas with 10 tablespoons (5 ounces) Co
 ntrate in 1 gallon water at rate of 1 gallon mixtu
 1000 square feet. Remove manure and debris b
 Spraying. Wet dogs with 2 tablespoons Concentra
 1 gallon water. Animals should be closely examine
 fleas before retreating. Repeat treatment not more
 than once every 2 or 3 weeks. Do not treat dogs c
 one month.

CAUTION: Avoid breathing spray mist. Avoid co
 tact with eyes, nose, mouth and throat. Wash
 hands thoroughly after use. Harmf
 ul to fish and aquatic life. Avoid use in
 water. Do not use in areas where
 children play. Do not use on
 animals. Do not use on
 plants. Do not use on
 food. Do not use on
 clothing. Do not use on
 furniture. Do not use on
 walls. Do not use on
 ceilings. Do not use on
 floors. Do not use on
 carpets. Do not use on
 drapes. Do not use on
 curtains. Do not use on
 blinds. Do not use on
 shades. Do not use on
 screens. Do not use on
 screens. Do not use on
 screens.

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KILL-KO[®] CYTHION

PREMIUM GRADE MALATHION

50% EMULSIFIABLE LIQUID

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Flip over

ORNAMENTALS—Roses, Camelias, Azaleas, Gladiolus, and Evergreen. For Aphids, Rose Leafhoppers, Spider Mites, Thrips, Lace Bugs, White Flies, Mealybugs, use 2 teaspoons per gallon of water. For Japanese Beetle, Adults, Earwigs, Plant Bugs, Four-lined Leaf Bugs, Birch and Boxwood Leaf Miners, Scale Crawlers, and Bagworms, use 4 teaspoons per gallon of water.

VEGETABLES—Apply 1 teaspoon per gallon of water on potatoes for Aphids, Leafhoppers and Mealybugs. Apply 2 teaspoons per gallon of water for the following vegetables and insects: Lettuce (Aphids and Leafhoppers), Cabbage, Kale and Spinach (Aphids), Beans (Aphids, Spider Mites, Leafhoppers and Japanese Beetles), Cucumbers and Squash (Aphids and Spider Mites). **IMPORTANT!** Do not apply to Beans, Cucumbers and Squash within 1 day of harvest. Do not apply to Head Lettuce, Cabbage, Spinach and Kale within 7 days of harvest. Do not apply to Leaf Lettuce within 14 days of harvest. Do not apply to Peas within 3 days of harvest or within 7 days of harvest if treated vines are to be used to feed livestock.

LIVESTOCK

Beef and Non-Milking Cattle:

Face—Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly.

Licks—Dilute 4 to 6 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly. Repeat applications at 2 week intervals if needed.

Horn Fly—Dilute 4 to 7 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Apply on back and neck of the animals and repeat applications at 10-14 day intervals.

Do not treat animals under one month of age.

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

Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening unless otherwise noted.

Hogs:

Face—Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals, pens and litter thoroughly.

Sarcoptic Mange—Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Use extreme care to cover all body surface, including the inside of the ears. Second treatment may be necessary in 10 days.

Hogs should be kept out of sun and wind for a few hours after treatment.

Sheep and Goats

Face, Licks and Keds—Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly. Repeat applications after 2 or 3 weeks if needed.

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C. H. H. H. H. H.*

harvest. Do not apply to Head Lettuce within 14 days of harvest. Do not apply to Peas within 3 days of harvest or within 7 days of harvest if treated vines are to be used to feed livestock.

LIVESTOCK

Beef and Non-Milking Cattle:

Lice: Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly.

Ticks: Dilute 4 to 9 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly. Repeat applications at 2 week intervals if needed.

Horn Fly: Dilute 4 to 7 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Apply on back and neck of the animals and repeat applications at 10-14 day intervals.

Do not treat animals under one month of age.

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

Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening unless otherwise noted.

Hogs:

Lice: Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals, pens and litter thoroughly.

Sarcptic Mange: Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Use extreme care to cover all body surfaces including the inside of the ears. Second treatment may be necessary in 10 days.

Hogs should be kept out of sun and wind for a few hours after treatment.

Sheep and Goats:

Lice, Ticks and Keds: Dilute 4 ounces of Kill-Ko 50% Cythion with 3 gallons of water. Treat animals thoroughly. Repeat applications after 2 or 3 weeks if needed.

Do not apply to milk goats.

BACK RUBBING DEVICES: For the reduction of lice, apply a mixture of 2% CYTHION (using CYTHION 50% Emulsifiable Liquid) in fuel oil. There may also be a reduction in horn flies. These devices should be made continuously accessible one to each 35-45 head of cattle and retreated every 2-3 weeks.

DO NOT MAKE ACCESSIBLE TO LACTATING DAIRY ANIMALS OR NON-LACTATING DAIRY ANIMALS WITHIN 2 WEEKS OF FRESHENING.

MOSQUITO CONTROL: Mosquito larvae in standing water. Apply CYTHION 50% Emulsifiable Liquid at the rate of 1 pint (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 space spray, dilute CYTHION 50% Emulsifiable Liquid 1 to 45 parts water, fuel oil or diesel oil. Apply at rate of 8 ozs. per 1000 sq. ft. Do not apply in food crop areas. Avoid applying oil based formulations to valuable ornamental plants such as Boston and Madeira ivy and Petens Fern, and some species of Crassula as injury may occur.

FIELD AND GARDEN SEEDS: Field and garden seeds can be protected

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against the above grain pests and with a dosage of $\frac{1}{2}$ pint of CYTHION 50% Emulsifiable Liquid in 1-2 $\frac{1}{2}$ gallons of water per 440 bushels of seed. CYTHION 50% 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.

BEDBUGS: Dilute CYTHION 50% Emulsifiable Liquid at the rate of 2-4 tablespoons per 1 gallon of deodorized kerosene. Apply lightly to an mattress surface in sufficient quantity to moisten the fabric and generously on beds and woodwork with special care taken to wet all possible hiding places. Avoid contamination of food, food tuffs, utensils, milk equipment and water. Repeat applications as necessary.

GRAIN

Barley, Corn, Grain Sorghum, Oats, Rice, Rye, Wheat

RESIDUAL SPRAY—BEFORE STORING GRAINS: For the control of Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetle, Granary Weevil, Indian Meal Moth, Lesser Grain Borer, Mize Weevil, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Saw-toothed Grain Beetle. For a residual wall, floor and machinery spray in grain elevators, in treating truck beds, box cars and ships' holds before loading grain, use 1 pint per 5 gallons of water or 6 oz. per 1 gallon of water and make 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 50% Emulsifiable Liquid in 2-5 gallons of water per 875 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 50% Emulsifiable Liquid to the surface of clean or uninfested grain at the rate of $\frac{1}{2}$ pint in 1-2 gallons of water per 875 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 50% 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 50% Emulsifiable Liquid in 22 gallons of water or 1 gallon of CYTHION 50% Emulsifiable Liquid in 16 $\frac{1}{2}$ gallons of deodorized kerosene. The deodorized kerosene solution should be made up of 4 parts dycent.
3. Let the sprayed box car stand empty with the door open until the spray has thoroughly dried.
4. Line the walls and floor of the box car with kraft paper before loading.

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

CAUTION

beds, box cars and ships' holds before loading grain, use 1 pint per 3 gallons of water (or 6 oz. per 1 gallon of water) and make 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 50% Emulsifiable Liquid in 2.5 gallons of water per 875 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 50% Emulsifiable Liquid to the surface of clean or uninfested grain at the rate of 1/2 pint in 1.2 gallons of water per 875 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage. 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 50% 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 50% Emulsifiable Liquid in 22 gallons of water or 1 gallon of CYTHION 50% Emulsifiable Liquid in 16 1/2 gallons of deodorized kerosene. The deodorized kerosene solution should be made up of 4 parts 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.

DISPOSAL OF DRUMS: Drain drum completely. Add 5 gallons of water and 1 cup of detergent and 2 pounds of 1/2-E Lighter 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.

CAUTION: Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after using. Harmful if swallowed. Avoid contamination of grain and foodstuffs. Keep out of reach of children and domestic animals.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

Do not reuse container. Destroy when empty.

Please see the event of chloroesterase inhibition in appropriate animals.

RICO CHEMICAL COMPANY
NASHVILLE, TENNESSEE 37202