

MIXING DIRECTIONS

MIX CO-OP CYTHION with water by agitation or circulating the mixture through the spray pump and back into the spray tank. A proper mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate the mixture while spraying. If mixture is allowed to stand, re-agitate well before use.

DIRECTIONS FOR USE

A thorough spraying of plant foliage is important for good insect control. Ten gallons of water per acre as a carrier is suggested for ground sprayer applications. More water may be necessary on heavy foliage. Allow 7 days from last application before harvesting or pasturing.

RECOMMENDATIONS

Unless otherwise indicated, dosages are given in pints of CO-OP CYTHION in sufficient water to cover one acre. Thorough, full coverage applications should be made. Begin applications when insects first appear and repeat as necessary.

ALFALFA CLOVER: Alfalfa Weevil Larvae, Aphids, Armyworms, Grasshoppers, Lygus Bugs, Potato Leafhoppers, Spider Mites, Spittlebugs; 1½ to 2 pts. Use higher rate for Armyworm control. Do not apply during bloom. May be applied on day of harvest or grazing.

ASPARAGUS: Asparagus Beetles, Thrips; 2 pts. Do not apply within 1 day of harvest.

BEANS: Aphids, Cucumber Beetles, Japanese Beetles, Mexican Bean Beetles, Potato Leafhoppers, Spider Mites; 2 pts. Do not apply within 1 day of harvest.

BEETS, TABLE: Aphids; 2 pts. Do not apply within 7 days of harvest.

BEETS, SUGAR: Aphids, Spider Mites; 2 pts. Do not apply within 7 days of harvest if tops are to be used as food or feed.

BERRIES (Blackberry, Boysenberry, Cowberry, Blueberry, Loganberry, Raspberry): Aphids, Japanese Beetles, Rose Leafhoppers, Rose Scale, Two-Spotted Spider Mites, Sap Beetles; 3 pts. Do not apply within 1 day of harvest. Can be applied on day of harvest on blueberries.

CARROTS, PARSNIPS, RADISHES, SALISIFY, HORSERADISH: Aphids, Diamond Back Moths, Flea Beetles, Leafhoppers; 3 pints. Do not apply within 7 days of harvest.

CELERY: Aphids, Leafhoppers, Spider Mites, White Flies; 2 pints. Do not apply within 7 days of harvest.

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Kale, Mustard, Turnips): Aphids, Caterpillars, Cabbage Loopers, Flea Beetles, Imported Cabbage Worms; 2-3 pints. Use higher rate for Caterpillars, Loopers and Worms. Do not apply within 7 days of harvest on Brussels Sprouts, Cabbage, Kale and Mustard, 3 days on Broccoli and Turnips.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, Young Grasshoppers; 1½ pints. Do not apply within 5 days of harvest or forage use. Caution: Injury may occur in the whorl and silk stages with emulsifiable liquids.

CRANBERRIES: Black-Headed Fireworm, Cranberry Fruitworm, Leafhoppers, Spittlebug Nymphs; 1½ pts. Do not apply within 3 days of harvest.

CUCUMBER, PUMPKIN, SQUASH: Aphids, Cucumber Beetles, Cutworms, Darkling Ground Beetles, Leafhoppers, Pickleworms, Spider Mites, Squash Vine Borer, Thrips; 2¾ pints. Do not apply on Cucumbers and Squash unless plants are dry or within 1 day of harvest.

GRASSES AND CEREAL CROPS (Barley, Corn, Oats, Wheat, Barn Grass, Canary Grass, Fescue, Orchard Grass, Red Top, Timothy and Yellow Foxtail): Cereal Leaf Beetles; 1 to 1½ pints in 30-50 gallons of water. Do not apply within 7 days of harvest or forage use on barley, oats and wheat; 5 days on corn and grasses.

GRASS, GRASS HAY PASTURES AND RANGELAND: Aphids, Leafhoppers; 1½-2 pints. Repeat application as necessary. Do not apply within 5 days of cutting or pasturing.

LETTUCE, ENDIVE: Aphids, Alfalfa Looper, Cabbage Looper, Leafhoppers; 3 pints. Do not apply within 14 days of harvest on Leaf Lettuce; 7 days on Endive and Head Lettuce.

MINT: Flea Beetle Adults, Spider Mites; 1½ pints. Do not apply within 7 days of cutting.

ONIONS: Onion Maggots, Thrips; 3½ pints. For onion maggot control apply when flies first appear and repeat every 4 days. Do not apply within 3 days of harvest on green onions.

PEAS: Aphids, Pea Weevil; 2 pints. Do not apply within 3 days of harvest, 7 days if forage is to be fed to livestock.

PEPPERS: Aphids, Pepper Maggots; 2½ pints. Do not apply within 3 days of harvest.

POTATOES: Aphids, Blister Beetles, False Cinch Bugs, Leafhoppers, Mealybugs; 1½ pints for control of Cinchbug, Leafhoppers and mealybugs; 4 pints for control of Aphids and Blister Beetles.

SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Gram Aphids, Grasshoppers, Greenbugs; 1½-2 pints. Do not apply within 7 days of harvest.

SPINACH: Aphids; 2½ pints. Do not apply within 7 days of harvest.

STRAWBERRIES: Aphids, Field Crickets, Lygus Bugs, Potato Leafhopper, Spider Mites, Spittlebugs, Strawberry Leafroller, Strawberry Root Weevil, Thrips, Whiteflies; 2-3 pints. For strawberry root weevil control, make applications to the soil surface before planting and work into the top 6-8 inches. Do not apply on foliage within 3 days of harvest.

SWISS CHARD: Aphids, Blister Beetles, Cucumber Beetle; 3 pints. Do not apply within 7 days of harvest.

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FOR: GARD

ACTIVE INGRED

Malathion*

Xylene

INERT INGREDIE

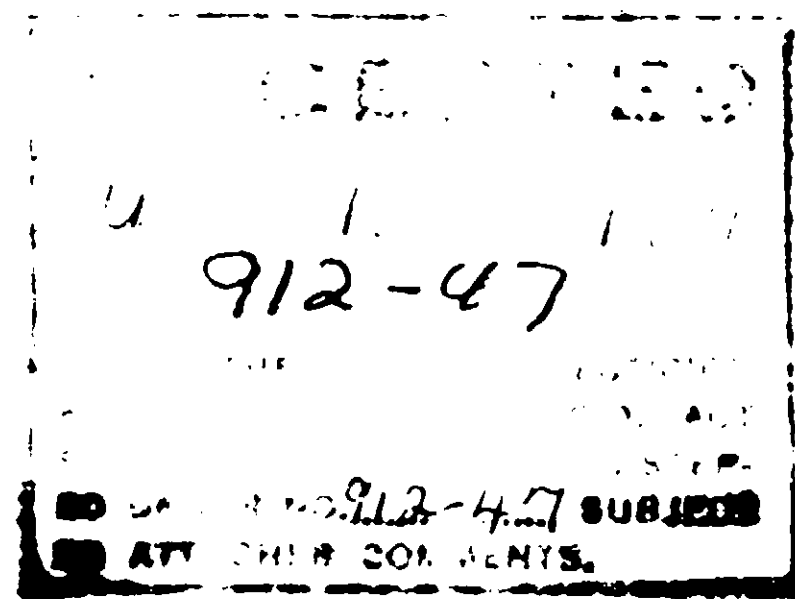
*O.O-dimethyl dithiopl
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U.S.D.A. Registration M



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CO-OP

CYTHON 5E

THE PREMIUM GRADE MALATHION

EMULSIFIABLE CONCENTRATE

INSECTICIDE

FOR: GARDENS - SHRUBS - CROPS - LIVESTOCK

BARN - STORED GRAIN

ACTIVE INGREDIENTS:

Malathion* 56.0%

Xylene 33.5%

INERT INGREDIENTS 10.5%

TOTAL 100.0%

*O.O-dimethyl dithiophosphate of diethyl mercaptosuccinate

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CAUTION: Keep Out of Reach of Children

See Side Panel for Additional Cautions

U.S.D.A. Registration No. 912-47

NET CONTENTS

1 GALLON

Manufactured for



Farmers Union Central Exchange

INCORPORATED

ST. PAUL, MINNESOTA

potworm Adults, Sap Beetles, Thrips, ~~Do not apply~~. Do not apply within 5 days of harvest. Caution: Injury may occur in the whole plant if applied to susceptible liquids.

Headed Fireworm, Cranberry Fruitworm, Nymphs: 1 1/2 pints. Do not apply within 5 days of harvest.

SQUASH: Aphids, Cucumber Beetles, ~~Do not apply~~, Leafhoppers, Pickleworms, ~~Do not apply~~, Borer, Thrips: 2 1/2 pints. Do not apply unless plants are dry or within 1 day of harvest.

CROPS (Barley, Corn, Oats, Wheat, Barn Yarrow, Orchard Grass, Red Top, Timothy): ~~Do not apply~~ Leaf Beetles: 1 to 1 1/2 pints in 30-50 days of harvest or 5 days on corn and grasses.

PASTURES AND RANGELAND: Aphids, ~~Do not apply~~. Repeat application as necessary. Do not apply during or pasturing.

Aphids, Alfalfa Looper, Cabbage Looper, ~~Do not apply~~ within 14 days of harvest on Endive and Head Lettuce.

Spiders, Spider Mites: 1 1/2 pints. Do not apply within 5 days of harvest.

Thrips: 3 1/2 pints. For onion maggot first appear and repeat every 4 days. Do not apply within 14 days of harvest on green onions.

Evil: 2 pints. Do not apply within 3 days of harvest. Is to be fed to livestock.

Upper Maggots: 2 1/2 pints. Do not apply within 14 days of harvest.

Blister Beetles, False Cinch Bugs, Leafhoppers for control of Cinchbug, Leafhoppers or control of Aphids and Blister Beetles.

Oats, Rye, Wheat: Armyworms, Eng. ~~Do not apply~~ Greenbugs: 1 1/2-2 pints. Do not apply within 14 days of harvest.

Do not apply within 7 days of harvest.

Field Crickets, Lygus Bugs, Potato Beetles, Spittlebugs, Strawberry Leafroller, ~~Do not apply~~ Thrips, Whiteflies: 2-3 pints (for straw) make applications to the soil surface 1/2 inch into the top 6-8 inches. Do not apply within 14 days of harvest.

Blister beetles, cucumber beetle: 3 1/2 pints. Do not apply within 7 days of harvest.

TOMATOES: Aphids, Spider Mites: 1 pint in full coverage applications apply within 1 day of harvest.

FRUITS: To control Aphids and Ros. ~~Do not apply~~ berries, use 3 pints per acre. On ~~Do not apply~~ Mite, Green Apple Aphid, Rosy A. on ~~Do not apply~~ grapes to control Leafhoppers ~~Do not apply~~ cherries to control Black Cherry Fruitfly and Bud Moth, use 2 pints spoonful per gallon water in small gallons spray per adult tree. A spray schedule consists of 4 applications: (1) first cover and (4) second first. May damage McIntosh and R.

^{Root} LIVESTOCK: ~~Do not apply~~ CATTLE (except milking dairy cat. old) HOGS AND SHEEP TO control with 12 1/2 gallons water and spray days if necessary. BACK-RUBBERS: 1 gallon Cythion to 5 gallons Diesel. HOGS: 1 gallon Cythion to 20 gallons mixture per 20 feet of cable, every 100 feet.

POULTRY: To control Lice, Mites, 1 pint Cythion with 6 gallons water, nests, floors and walls of the build application. Supply clean bedding.

FLEAS AND LICE ON DOGS: Mix water and apply to wet animal the pen, yard and lawn using 1 pint per gallon spray per 1000 square feet necessary. Do not treat animals in.

BARN: FLY AND MOSQUITO CONTROL: barns, stables and meat processing with 6 gallons water and apply spray at 3 to 4 week intervals in milk rooms or where edible pro.

OUTDOOR: To control mosquitoes, flies and ~~Do not apply~~ Co-op Cythion in the 3 1/2 gallon ~~Do not apply~~ to grass and weeds plant. R.

TOMATOES: Aphids, Spider Mites; 2 pints. Drosophila Flies 3½ pints in full coverage applications to fruit and foliage. Do not apply within 1 day of harvest.

FRUITS: To control Aphids and Rose Scale on grapes and black-berries, use 3 pints per acre. On apples to control European Red Mite, Green Apple Aphid, Rosy Apple Aphid, and Codling Moth; on grapes to control Leafhoppers, Mites and Mealybugs, on cherries to control Black Cherry Aphids, Leafrollers, Cherry Fruitfly and Bud Moth, use 2 pints per 100 gallons water (2 teaspoonsful per gallon water in small sprayers) and apply 3 to 4 gallons spray per adult tree. A satisfactory home fruit tree spray schedule consists of 4 applications: (1) pre-bloom, (2) petal fall, (3) first cover and (4) second cover spray 14 days after the first. May damage McIntosh and Ribier grape varieties.

LIVESTOCK

CATTLE (except milking dairy cattle and calves under 1 month old) HOGS AND SHEEP TO control LICE: Mix 1 pint Cythion with 12½ gallons water and spray thoroughly. Respray in 10 days if necessary. BACK-RUBBERS FOR BEEF CATTLE: 1 gallon Cythion to 5 gallons Diesel Oil. BACKRUBBERS FOR HOGS: 1 gallon Cythion to 20 gallons Diesel Oil. Apply 1 gallon mixture per 20 feet of cable, every 3 to 4 weeks.

POULTRY: To control Lice, Mites, Fowl Ticks and Flies; mix 1 pint Cythion with 6 gallons water and spray the clean roosts, nests, floors and walls of the building. Remove poultry during application. Supply clean bedding after spraying.

FLEAS AND LICE ON DOGS: Mix 1 ounce Cythion with 1 gallon water and apply to wet animal thoroughly. Spray the kennel or pen, yard and lawn using 1 pint per 6 gallons of water. Apply 1 gallon spray per 1000 square feet. Repeat in 2 to 3 weeks if necessary. Do not treat animals under one month of age.

BARN--

FLY AND MOSQUITO CONTROL: For use in and around dairy barns, stables and meat processing plants, mix 1 pint Cythion with 6 gallons water and apply spray at 1 gallon per 1000 sq. ft. Respray at 3 to 4 week intervals during fly season. Do not use in milk rooms or where edible products are handled.

OUTDOOR AREAS

To control mosquitoes, flies and small flying insects. Mix 1 pint Cythion with 3½ gallons of water and apply as a spray mist to grass and woody plant. Respray as necessary for control.

LAWNS

LAWN AREAS to control CLOVER MITES: Mix 1 pint Cythion in 6 gallons water and spray areas of 20 to 40 feet around the home and foundation walls. Re-spray in 10 and 20 days. Three applications are necessary for control.

STORED GRAIN

STORED GRAIN INSECTS to protect wheat, oats, barley and corn against CONFUSED FLOUR BEETLE, RICE WEEVIL, GRANARY WEEVIL, SAW TOOTHED GRAIN BEETLE, FLAT GRAIN BEETLE, RED FLOUR BEETLE, RUSTY GRAIN BEETLE, BANBUG, LESSER GRAIN BORER AND INDIAN MEAL MOTH. Apply 1 pint Cythion in 2 to 5 gallons water per 1000 bushels grain. Apply as grain is being loaded or turned into final storage. As a GRAIN BIN TREATMENT, before storing grain, spray the clean floor, walls and ceiling with a mixture of 1 pint Cythion in 3 gallons water.

CAUTION:

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Wash thoroughly after using. Avoid contamination of feed and foodstuffs. Keep children and pets off treated lawns until grass is dry.

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. Apply this product only as specified on this label.

Rinse empty container, pour rinse wash into spray tank, crush container and bury in ground.