

**OBSERVE THE FOLLOWING
USE PRECAUTIONS**

Observe use limitations given on the label for specific crops. In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others.

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 waste. Do not apply where runoff is likely to occur. Apply this product only as specified on this label.

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.

Consult state agricultural experiment station for additional information as the timing, number and rate of application needed will vary with local conditions.

For cans, Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies.

For drums, Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

DIRECTIONS FOR USE

Application on vegetable, row and field crops can be made by aircraft or ground power equipment. The amount of water needed to treat an area varies; therefore, the following rates are given to cover a broad range of conditions. Aircraft 3-10 gals. water per acre. Ground 20-100 gals. per acre.

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily but tends to separate as an oily layer, do not use, as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. ALWAYS thoroughly emulsify this product with at least half of total water before adding wettable powder.

RECOMMENDATIONS

Unless otherwise indicated, dosages are given in pints of Malathion 5-E in sufficient water to cover one

NOTICE: Seller's guarantee shall be limited to the terms of the label, and subject there to the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

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 pints. 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.

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

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Mustard, Turnip): Aphids, Cabbage Looper, Imported Cabbage Worm; 2 to 3 pts. Do not apply within 3 days of harvest on broccoli and turnip; within 7 days of harvest on other cole crops.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips; 1½ pts. Do not apply within 5 days of harvest or forage use. Caution: Injury may occur in the whorl and silk stage.

CUCURBITS (Cucumber, Melon, Pumpkin, Squash): Aphids, Spider Mites, Pickleworms; 2 pts. Cucumber Beetles; 2 4/5 pts. Do not apply to Cucurbits unless plants are dry. Do not apply within 3 days of harvest on pumpkins; 1 day of harvest on other cucurbit crops.

EGGPLANT: Aphids, Lace Bugs, Spider Mites; 2 to 3 pts. Use higher rate for Lace Bug control. Do not apply within 3 days of harvest.

GRASS AND CEREAL CROPS (Barnyard Grass, Canary Grass, Fescue, Orchard Grass, Red top, Timothy and Yellow Top Tail; Barley, Corn, Oats and Wheat): Cereal Leaf Beetle; 1½ pts. Do not apply within 7 days of harvest. For forage use on barley, oats and wheat; 5 days of harvest or forage use on corn and grasses.

LETTUCE: Aphids, Cabbage Looper, Leafhoppers, Mites; 3 pts. Do not apply within 14 days of harvest on leaf lettuce; 7 days on head lettuce.

ONIONS: Onion Maggots, Thrips; 2 to 3 pts. Use the heavier rate for onion maggot control and apply when flies first appear. Repa: ary 4 days. Do not apply within 3 days of harvest. green onions.

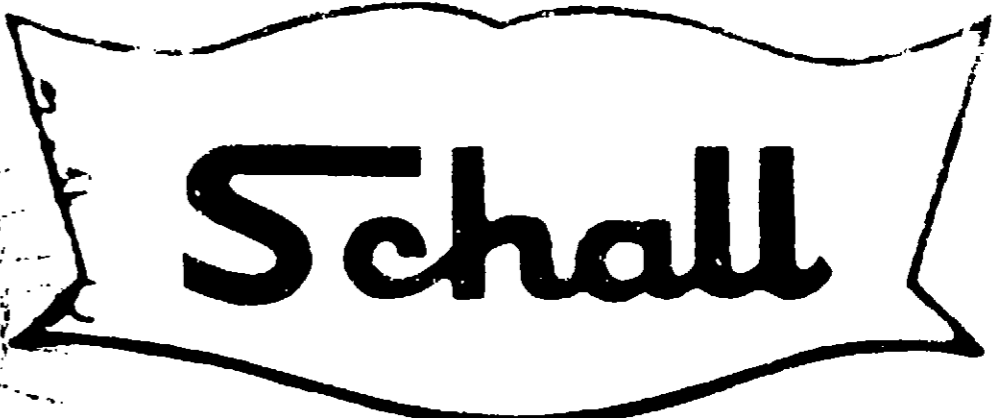
PEAS: Pea Aphid, Pea Weevil; 2 pts. Do not apply within 3 days of harvest.

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EPA REG. NO. 3468-41



CYTHION®

CONTAINS 5-

CYTHION
THE PREMIER GRADE MALATHION
REGISTERED TRADEMARK OF SCHALL CHEMICAL COMPANY

**AN AGRICULTURAL INSECTICIDE
EMULSIFIABLE LIQUID**

ACTIVE INGREDIENTS:
Malathion (O,O-dimethyl dithiophosphate
of diethyl mercaptosuccinate) 56.0
Xylene Range Aromatic Solvent 33.0

INERT INGREDIENTS: 10.0

Contains 5 lbs. Malathion per gallon 100.0

CAUTION: Keep Out of Reach of Children
Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly after handling. Wash contaminated clothing before re-use. Do not contaminate food and feed.

NOTE TO PHYSICIANS: Malathion, upon use, may cause cholinesterase inhibition. Atropine is antidotal.
DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.
Protect From Temperatures Below 0°F.

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

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Manufactured by
SCHALL CHEMICAL, INC. Colorado

RECOMMENDATIONS (Continued)

PEPPERS: Aphids, 2 1/2 pts. Do not apply within 3 days of harvest.

POTATOES: Aphids, Leafhoppers; 2 pts.

SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Grasshoppers, Greenbugs; 1 1/2 to 2 pts. Use higher rate for Armyworm control. Make thorough, full coverage application to hatching areas when nymphs are young. Do not apply within 7 days of harvest.

SPINACH: Aphids; 2 pts. Do not apply within 7 days of harvest.

SUGAR BEETS: Aphids, Spider Mites; 1 1/2 to 2 pts. Do not apply within 7 days of harvest if tops are to be used for food or feed.

ORIGANUM

Aphids, European Pine Shoot Moths, Four-lined Leafhoppers, Rose Leafhoppers, Scurfy Scale - Use 1 1/2 pts. per 100 gal. dilute spray (1 1/2 to 2 pts. per 100 gal. dilute spray (1 1/2 to 2 pts. per 100 gal. dilute spray (2 teaspoonful per gallon). For Fletcher, Juniper and Oak Kermes Scale. **CAUTION:** Avoid use on certain ferns including species of Crassula.

STORAGE PEST PROTECTION: For protection against Flat Grain Beetle, Granary Weevil, Lesser Grain Beetle, Saw-toothed Grain Beetles, and for the control of **GRAINS:** Barley, Corn, Grain Sorghum, Oat, wheat, floors and machinery in grain elevator, bins, elevators, boxcars, truck beds, etc. thoroughly clean before use. **Grains Going Into Storage:** Use 1 pt. in 2 gal. of water, loaded or turned into final storage. **Grains of Indian Meal Moth,** use 1/2 pt. in 1 - 2 gal. water over surface of grain. Apply immediately after harvest.

FLY

For use in and around buildings which house meat processing plants

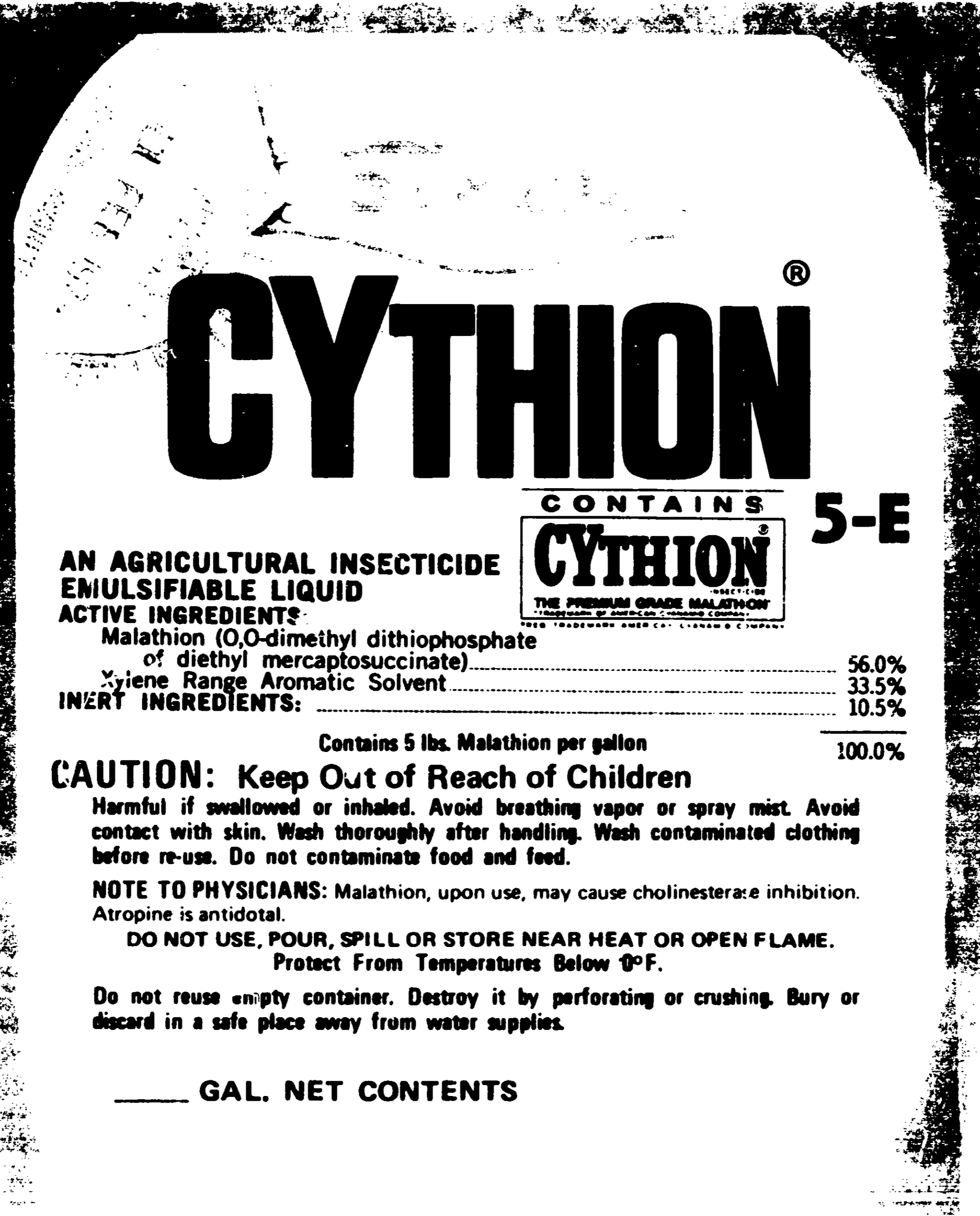
STRAIGHT MALATHION SPRAYS

Amount of Spray	Amount of Malathion 5-E	Amount of Bait Spray
2 1/2 gal.	1 cup	2 1/2 gal.
12 gal.	1 qt.	12 gal.
100 gal.	2 gal.	100 gal.

Apply spray at rate of 1 gal. per 1000 sq. ft. of painted surfaces where flies alight or congregate on whitewashed surfaces. Sugar, unsulfurized molasses prolong the insecticidal activity of malathion. **CAUTION:** Avoid contamination of milk, cream and food products, also drinking fountains, troughs before treating. Also remove calves under reach of children.

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for tail



CYTHION®

CONTAINS
CYTHION
5-E
THE PREMIUM GRADE MALATHION
REGISTERED TRADEMARK AMERICAN CYANAMIDE COMPANY

**AN AGRICULTURAL INSECTICIDE
EMULSIFIABLE LIQUID
ACTIVE INGREDIENTS:**

Malathion (O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate).....	56.0%
Xylene Range Aromatic Solvent.....	33.5%
INERT INGREDIENTS:	10.5%
Contains 5 lbs. Malathion per gallon	
	100.0%

CAUTION: Keep Out of Reach of Children

Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly after handling. Wash contaminated clothing before re-use. Do not contaminate food and feed.

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

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Protect From Temperatures Below 0°F.

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

___ GAL. NET CONTENTS

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; 1 1/2 to 2 pints. 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.

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

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Mustard, Turnip): Aphids, Cabbage Looper, Imported Cabbage Worm; 2 to 3 pts. Do not apply within 3 days of harvest on broccoli and turnip; within 7 days of harvest on other cole crops.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips; 1 1/2 pts. Do not apply within 5 days of harvest or forage use. **Caution:** Injury may occur in the whorl and silk stage.

CUCURBITS (Cucumber, Melon, Pumpkin, Squash): Aphids, Spider Mites, Pickleworms; 2 pts. Cucumber Beetles; 2 4/5 pts. Do not apply to Cucurbits unless plants are dry. Do not apply within 3 days of harvest on pumpkins; 1 day of harvest on other cucurbit crops.

EGGPLANT: Aphids, Lace Bugs, Spider Mites; 2 to 3 pts. Use higher rate for Lace Bug control. Do not apply within 3 days of harvest.

GRASS AND CEREAL CROPS (Barnyard grass, Canary grass, Fescue, Orchard grass, Red top, Timothy and Yellow Top): Barley, Corn, Oats and Wheat; Cereal Leaf-beetle; 1 1/2 pts. Do not apply within 7 days of harvest or forage use on barley, oats and wheat, 5 days of harvest or forage use on corn and grasses.

LETTUCE: Aphids, Cabbage Looper, Leafhoppers, Mites; 3 pts. Do not apply within 14 days of harvest on leaf lettuce, 7 days on head lettuce.

ONIONS: Onion Maggots, Thrips; 2 to 3 pts. Use the heavier rate for onion maggot control and apply when flies first appear. Repeat every 4 days. Do not apply within 3 days of harvest on green onions.

PEAS: Pea Aphid, Pea Weevil; 2 pts. Do not apply within 3 days of harvest.

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RECOMMENDATIONS (Continued)

PEPPERS: Aphids; 2½ pts. Do not apply within 3 days of harvest.

POTATOES: Aphids, Leafhoppers; 2 pts.

SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Grasshoppers, Greenbugs; 1½ to 2 pts. Use higher rate for Armyworm control. Make thorough, full coverage application to hatching areas when nymphs are young. Do not apply within 7 days of harvest.

SPINACH: Aphids; 2 pts. Do not apply within 7 days of harvest.

SUGAR BEETS: Aphids, Spider Mites; 1½ to 2 pts. Do not apply within 7 days of harvest if tops are to be used for food or feed.

TOBACCO: Aphids; 2 pts.

TOMATOES: Aphids, Spider Mites; 2 pts. Drosophila Flies; 2½ pts. Do not apply within 1 day of harvest.

PASTURE AND RANGE LAND: Aphids, Grasshoppers, Leafhoppers; 1½ to 2 pts. per acre in sufficient water for good coverage. Or use 1½ pts. in 1 gallon of diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing.

WASTELANDS, ROADSIDES, SOIL-BANK LANDS (Not grazed): Grasshoppers; 1½ to 3 pts. per acre in water for good coverage or in 1 gal. diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer.

ORNAMENTALS

Aphids, European Pine Shoot Moths, Four-lined Leaf Bugs, Japanese Beetle Adults, Mealybugs, Potato Leafhoppers, Rose Leafhoppers, Scurfy Scale, Spider Mites, Tarnished Plant Bugs, Thrips, White Flies. - Use 1½ pts. per 100 gal. dilute spray (1½ teaspoonful per gallon).

Azalea Scale, Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, Fletcher Scale, Florida Red Scale, Juniper Scale, Magnolia Scale, Oak Kermes, Pine Leaf Scale, Tent Caterpillar - Use 2 pts. per 100 gal. dilute spray (2 teaspoonful per gallon).

For Fletcher, Juniper and Oak Kermes Scales, apply when scale crawlers have settled on foliage. CAUTION: Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as on some species of Crassula.

STORAGE PEST PROTECTION: For protection against: 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 Beetles, and for the control of Cereal Leaf Beetle if they are present.

GRAINS: Barley, Corn, Grain Sorghum, Oats, Rice, Rye, Wheat: Residual Spray Before Storing: (For walls, floors and machinery in grain elevators, in treating truck beds, boxcars and ships holds before loading grain). Use 1 gal. per 25 gal. water. Make thorough application. Before applying spray, clean elevators, boxcars, truck beds, etc. thoroughly. Remove and bury all sweepings and debris.

Grains Going Into Storage: Use 1 pt. in 2 - 5 gal. water per 1000 bushels. Apply as grain is being loaded or turned into final storage. Grains After Storage: To protect clean or uninfested grain from Indian Meal Moth, use ½ pt. in 1 - 2 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.

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FLY CONTROL

For use in and around buildings which house domestic animals, around homes, around yards and meat processing plants.

STRAIGHT MALATHION SPRAYS

Amount of Spray	Amount Malathion 5-E	Amount of Bait Spray
2½ gal.	1 cup	2½ gal.
12 gal.	1 qt.	12 gal.
100 gal.	2 gal.	100 gal.

MALATHION BAIT SPRAYS

Amount Malathion 5-E	Sugar (or)	Unsulfurized Molasses or Corn Syrup
1 cup	1 cup	1 cup
1 qt.	2½ lb.	1 qt.
2 gal.	20 lb.	2 gal.

Apply spray at rate of 1 gal. per 1000 sq. ft. on painted surfaces and 2 gal. per 1000 sq. ft. on unpainted surfaces where flies alight or congregate. Do not apply malathion within 14 days to freshly whitewashed surfaces. Sugar, unsulfurized molasses, or corn syrup have been found in most cases to prolong the insecticidal activity of malathion against flies.

CAUTION: Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs. Remove lactating animals from buildings before treating. Also remove calves under one month of age before treating. Do not leave within reach of children.