

E-Z FLO CYTHION®



Net Contents 5 Gallons
THE PREMIUM GRADE MALATHION
(Contains 5 Pounds Malathion Per Gallon)

CAUTION: KEEP OUT OF THE REACH OF CHILDREN

ACTIVE INGREDIENTS:	
Malathion (O, O-dimethyl dithiophosphate of diethyl mercaptosuccinate)	57.0%
Xylene	35.0%
INERT INGREDIENTS:	
Registered Trademark of American Cyanamid Company	100.0%

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the label. All statements made concerning this product apply only when used as directed.

410-12

EPA Est 635-MI-1, OH-1

E. P. A. Reg. No. 635-383

SOLD BY
E-Z FLO CHEMICAL COMPANY
Division of Kirsto Company
Lansing, Michigan • Columbus, Ohio

CAUTION

Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep out of reach of Children and Pets. Avoid contamination of feed and foodstuffs.
NOTE TO PHYSICIANS: Malathion upon use, may cause cholinesterase inhibition. Atropine is antidote.

OBSERVE THE FOLLOWING USE PRECAUTIONS:

Avoid drift to adjoining food and forage crops. The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues of this and other pesticides will not exceed established tolerances, use only of the provided information and do not apply in excess of harvest time specified. Consult your State Agricultural Experiment Station for additional information on the timing, number and rate of applications needed with any particular crop. Observe the limitations given for specific crops. Do not use in poultry, fruit trees, ornamentals, or in areas where protection from temperatures below 50° F. is likely to occur. Do not apply when weather conditions favor drift to areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues. For more information may be obtained from your Cooperative Agricultural Extension Service.

DESTROY CONTAINER WHEN EMPTY. NEVER RE-USE.

DIRECTION* FOR USE

Use recommended amount of this material in any spray or dust application. Do not over-apply. Keep agitator running during filling, mixing and spraying operations. Do not allow material to stand. If mixture does not mix readily but forms a heavy oily layer, do not use as it may injure plants. This material is compatible with commonly used insecticides and fungicides, but residual activity may be reduced when combined with alkaline materials. Do not combine with other materials unless it has been proved that they are physically compatible. Unless otherwise indicated, dosages are given in pints of Malathion 5 E in sufficient water for one acre. Use not less than 3 gallons of water per acre for aerial application and not less than 10 gallons of water per acre for ground equipment. Thorough, full coverage applications should be made. Begin applications when insects first appear and repeat as necessary as a diluted spray.

VEGETABLES

ASPARAGUS: Asparagus Beetle - 2 pints. Do not apply within 1 day of harvest.
BEANS: Aphids, Cucumber Beetles, Japanese Beetles, Mexican Bean Beetle, Potato Leafhopper, Spider Mites - 2 pints. Do not apply within 1 day of harvest.
BEETS, TABLE: Aphids - 2 pints. Do not apply within 7 days of harvest.
CELERY: Aphids, Spider Mites - 2 pints. Do not apply within 7 days of harvest.

Continued on panel to right.

DIRECTIONS FOR USE

VEGETABLES: Asparagus Beetle, Cucumber Beetle, Japanese Beetle, Mexican Bean Beetle, Potato Leafhopper, Spider Mites, etc.
COLE CROPS: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Mustard, Turnip, etc. Aphids, Cabbage Root Fly, Imported Cabbageworm, etc.
CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, etc. Injury may occur in the whorl and silk stage. Do not apply within 15 days of harvest for forage.
GRASS AND GRASSHAY: Aphids, Grasshoppers, Leafhoppers, etc. 1 1/2 pints per acre in sufficient water for good coverage.
SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Young Grasshoppers, Greenbugs, etc. 1 1/2 to 2 pints. Use the higher rate for Armyworm control. For Grasshoppers make thorough, full coverage application to hatching areas when nymphs are young. Do not apply within 7 days of harvest.
SUGAR BEETS: Aphids, Spider Mites - 2 pints. Do not apply within 7 days of harvest (7 days of harvest if they are to be used for food or feed).
TABACCO IN FIELDS: Aphids - Apply 1 1/2 pints per acre in at least 30 gal. water. Make no application within 7 days of harvest.

ANIMALS: May require 2nd treatment in 10 days. Apply a complete coverage spray. Repeat in 2 weeks if needed. Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening. Do not treat animals under one month of age. Avoid contamination of feed, food containers and watering troughs.
BEEF CATTLE: Lice - Use 1 gal. per 100 gal. water. Ticks - Use 1 to 2 gal. per 100 gal. water. Horn Flies - Use 1 to 1 1/2 gal. per 100 gal. water.
SHEEP AND GOATS: Lice - Ticks - Use 1 gal. per 100 gal. water. Do not apply to milk goats.
SWINE: Lice and Sarcopic Mange - Use 1 gal. per 100 gal. water.
Malathion is a cholinesterase inhibitor. Do not use this product on animals simultaneously with or a few days before or after treatment with exposure to cholinesterase-inhibiting drugs, pesticides or chemicals, or suit veterinarian at the first sign of an adverse reaction. Atropine is antidote.

Continued on panel to right.

DIRECTIONS FOR USE

FIELD CROPS

ALFALFA AND CLOVER: Alfalfa Weevil Larvae, Aphids, Armyworms, Grasshoppers, Lygus Bugs, Potato Leafhoppers, Spider Mites, Spittlebugs. Use 1 1/2 to 2 pints. Use the higher rate for Armyworm control. Do not apply during bloom.
CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, etc. Injury may occur in the whorl and silk stage. Do not apply within 15 days of harvest for forage.
GRASS AND GRASSHAY: Aphids, Grasshoppers, Leafhoppers, etc. 1 1/2 pints per acre in sufficient water for good coverage.
SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Young Grasshoppers, Greenbugs, etc. 1 1/2 to 2 pints. Use the higher rate for Armyworm control. For Grasshoppers make thorough, full coverage application to hatching areas when nymphs are young. Do not apply within 7 days of harvest.
SUGAR BEETS: Aphids, Spider Mites - 2 pints. Do not apply within 7 days of harvest (7 days of harvest if they are to be used for food or feed).
TABACCO IN FIELDS: Aphids - Apply 1 1/2 pints per acre in at least 30 gal. water. Make no application within 7 days of harvest.

ANIMALS

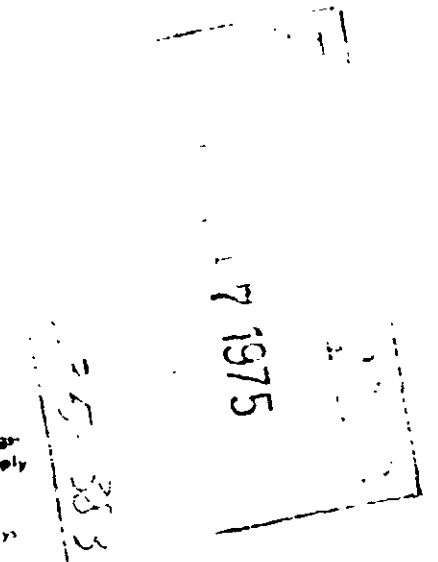
May require 2nd treatment in 10 days. Apply a complete coverage spray. Repeat in 2 weeks if needed. Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening. Do not treat animals under one month of age. Avoid contamination of feed, food containers and watering troughs.
BEEF CATTLE: Lice - Use 1 gal. per 100 gal. water. Ticks - Use 1 to 2 gal. per 100 gal. water. Horn Flies - Use 1 to 1 1/2 gal. per 100 gal. water.
SHEEP AND GOATS: Lice - Ticks - Use 1 gal. per 100 gal. water. Do not apply to milk goats.
SWINE: Lice and Sarcopic Mange - Use 1 gal. per 100 gal. water.
Malathion is a cholinesterase inhibitor. Do not use this product on animals simultaneously with or a few days before or after treatment with exposure to cholinesterase-inhibiting drugs, pesticides or chemicals, or suit veterinarian at the first sign of an adverse reaction. Atropine is antidote.

ORNAMENTALS

Ornamentals: Aphids, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetle Adult, Mealybugs, Potato Leafhopper, Rose Leafhopper, Scuffy Scale, Spider Mites, Tarnished Plant Bug, Thrips, Whitefly, etc. Use 1 1/2 pints per 100 gal. dilute spray (1 1/2 teaspoons per gal.).

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 THE PREMIUM GRADE MALATHION
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ACTIVE INGREDIENTS:

Malathion (O, O-dimethyl dithiophosphate of diethyl mercaptosuccinate).....	57.0%
Xylene.....	35.0%
INERT INGREDIENTS:	8.0%
●Registered Trademark of American Cyanamid Company	100.0%

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 Lansing, Michigan • Columbus, Ohio

DIRECTIONS FOR USE (continued)

VEGETABLES (continued)-

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Mustard, Turnip): Aphids, Cabbage Looper, Imported Cabbage Worm-

CAUTION

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. Keep out of reach of Children and Pets. Avoid contamination of feed and foodstuffs.

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

OBSERVE THE FOLLOWING USE PRECAUTIONS

Avoid drift to adjoining food and forage crops. The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates, and do not apply closer to harvest than specified. Consult your State Agricultural Extension Service for additional information as the timing, number and rate of applications needed will vary with local conditions. Observe use limitations given for specific crops. Do Not Use, Pour, Spill or Store Near Heat or Open Flame - Protect From Temperatures Below 0° F.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. 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.

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.

DESTROY CONTAINER WHEN EMPTY. NEVER RE-USE.

DIRECTIONS FOR USE

Pour recommended amount of this material into partially filled spray tank. Add balance of water to fill tank. Keep agitator running during filling, mixing and spraying operations. Do not allow mixture to stand. If mixture does not mix readily but tends to separate as an oily layer, do not use as injury to plants may result. This material is compatible with commonly used insecticides and fungicides, but residual toxicity may be reduced when combined with alkaline materials. Do not combine emulsifiable liquids with wettable powders in the same spray tank unless previous use of the materials being combined has proved them to be physically compatible.

Unless otherwise indicated, dosages are given in pints of Malathion 5 E in sufficient water to cover one acre. Use not less than 3 gallons of water per acre for aircraft application and not less than 10 gallons of water per acre for ground equipment.

Thorough, full coverage applications should be made. Begin applications when insects first appear and repeat as necessary as a diluted spray.

VEGETABLES

ASPARAGUS: Asparagus Beetles - 2 pints. Do not apply within 1 day of harvest.

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

BEETS, TABLE: Aphids - 2 pints. Do not apply within 7 days of harvest.

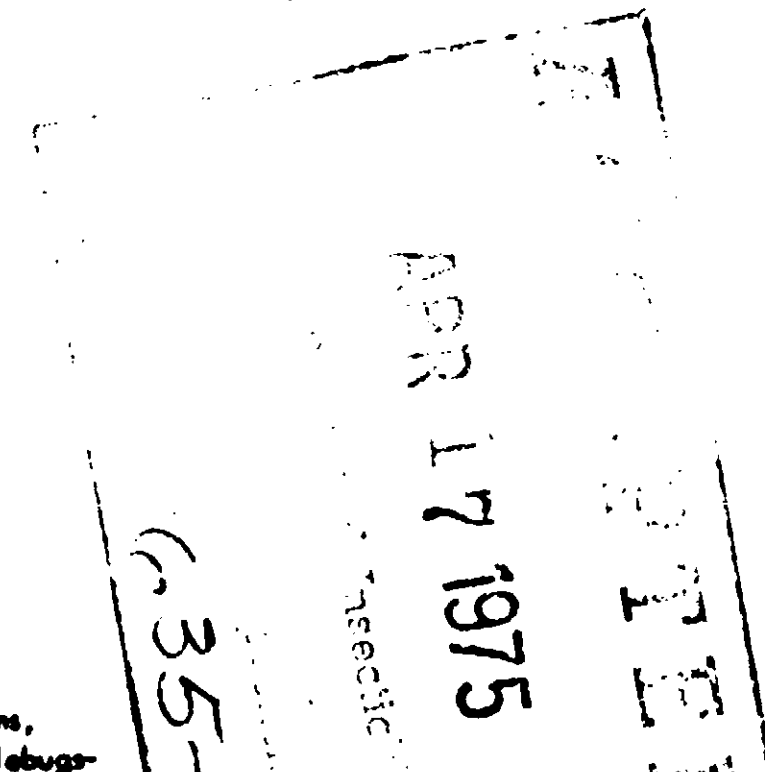
CELERY: Aphids, Spider Mites - 2 pints. Do not apply within 7 days of harvest.

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DIRECTIONS FOR USE (continued)

FIELD CROPS

ALFALFA and CLOVER: Alfalfa Weevil Larvae, Aphids, Armyworms, Grasshoppers, Lygus Bugs, Potato Leafhoppers, Spider Mites, Spittlebugs-



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CELERY: Aphids, Spider Mites - 2 pints. Do not apply within 7 days of harvest.
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DIRECTIONS FOR USE (continued)

VEGETABLES (continued)

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

CUCURBITS (Cucumber, Melon, Pumpkin, Squash): Aphids, Spider Mites, Pickleworms - 2 pints; Cucumber Beetles - 2½ pints. Do not apply to Cucurbits unless plants are dry. Do not apply within 3 days of harvest on pumpkins, 1 day on other cucurbit crops.

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

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

ONIONS: Onion Maggots, Thrips - 2 to 3 pints. Use the higher 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 pints. Do not apply within 3 days of harvest. Do not apply within 7 days of harvest if forage is to be fed to livestock.

PEPPERS: Aphids - 2½ pints. Do not apply within 3 days of harvest.

POTATOES: Aphids, Leafhoppers - 2 pints.

SPINACH: Aphids - 2 pints. Do not apply within 7 days of harvest.

TOMATOES: Aphids, Spider Mites - 2 pints; Drosophilla Flies - 2½ pints. Do not apply within 1 day of harvest.

FRUITS

APPLES: Vicious Apple Aphid - Use 1 pt. per 100 gals. water. Apply one or more sprays as needed. Green Apple Aphid, Rose Aphid - Use 1½ pints to 100 gals. water. One or more sprays should be applied either in delayed dormant, early pre-bloom or pre-bloom as needed. European Red Mite, Two Spotted Mite - Use 1 to 2 pints per 100 gals. water when mites begin to appear on under side of leaves in summer months. Make 2 applications 10 to 12 days apart. Forbes, Putham, and San Jose Scale insects - Use 1 pt. in 100 gals. water applied when crawlers are present, about 2nd, 5th, 6th, and 7th weeks. Make no Malathion spray application 3 days before harvest. **NOTE:** The most suitable Malathion sprays may cause injury to McIntosh and other varieties.

PEARS: Pear Psylla - Use 1 to 2 pints in 100 gal. water applied in petal fall. 1st, 2nd and 3rd covers. European Red Mite, Two Spotted Mite - Use 1 to 2 pints in 100 gals. water when mites begin to appear on under side of leaves usually in summer months. Make 2 applications 10 to 12 days apart. Apply no malathion spray later than 1 day before harvest. Malathion concentrate may cause injury to Bosc Pears in Northern United States.

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DIRECTIONS FOR USE (continued)

FIELD CROPS

ALFALFA and CLOVER: Alfalfa Weevil Larvae, Aphids, Armyworms, Grasshoppers, Lygus Bugs, Potato Leafhoppers, Spider Mites, Spittlebugs - Use 1½ to 2 pints. Use the higher rate for Armyworm control. Do not apply during bloom.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips - 1½ pints. Injury may occur in the whorl and silk stage. Do not apply within 5 days of harvest for forage.

GRASS and GRASSHAY: Aphids, Grasshoppers, Leafhoppers - Use 1½ pints per acre in sufficient water for good coverage.

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

SUGAR BEETS: Aphids, Spider Mites - 2 pints. Do not apply within 3 days of harvest (7 days of harvest if tops are to be used for food or feed).

TOBACCO IN FIELDS: Aphids - Apply 1½ pints per acre in at least 30 gals. water. Make no application within 7 days of harvest.

ANIMALS

May require 2nd treatment in 10 days - Apply a complete coverage spray - Repeat in 2 weeks if needed. Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening. Do not treat animals under one month of age. Avoid contamination of feed, food containers and watering troughs.

BEEF CATTLE: Lice - Use 1 gal. per 100 gals. water. Ticks - Use 1 to 2 gals. per 100 gals. water. Horn Flies - Use 1 to 1½ gals. per 100 gals. water.

SHEEP and GOATS: Lice, Ticks - Use 1 gal. per 100 gals. water. Do not apply to milk goats.

SWINE: Lice and Sarcoptic Mange - Use 1 gal. per 100 gals. water.

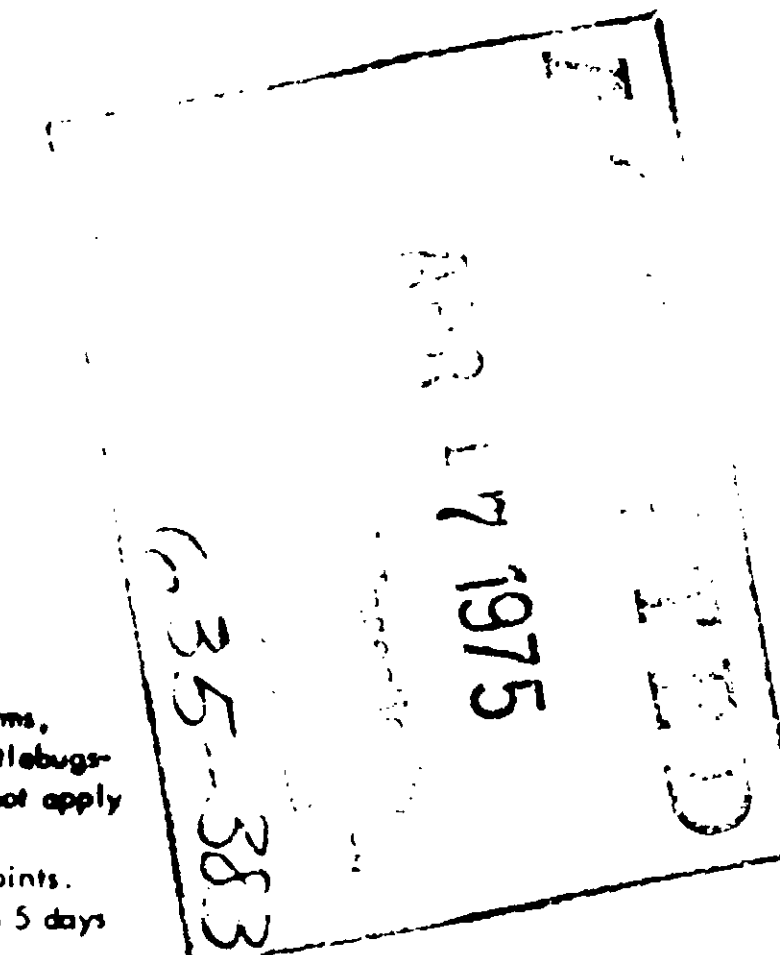
Malathion is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides or chemicals. Consult veterinarian at the first sign of an adverse reaction. Atropine is antidotal.

ORNAMENTALS

Ornamentals: Aphids, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetle Adult, Mealybugs, Potato Leafhopper, Rose Leafhopper, Scurfy Scale, Spider Mites, Tarnished Plant Bug, Thrips, Whitefly - Use 1½ pints per 100 gals., dilute spray (1½ teaspoonfuls per gal.)

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DIRECTIONS FOR USE (continued)

ORNAMENTALS: continued-

Azalea Scale, Bagworm, Birch Leaf Miner, Boxwood Leaf Miner, Fletcher Scale, Florida Red Scale, Juniper Scale, Magnolia Scale, Oak Kermes, Pine Leaf Scale, Tent Caterpillar - Use 2 pints per 100 gals., dilute spray (2 teaspoonfuls per gal.). 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.

GRASSHOPPERS

WASTELANDS, ROADSIDES, SOIL-BANK LANDS (Not Grazed): Use 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.

FLY CONTROL

FLY CONTROL IN BUILDINGS: For use in and around buildings which house domestic animals, around the outside of homes, around and in non-edible product areas of meat processing plants.

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
Amount of Spray	Amount of Malathion 5-E	Amount of Bait Spray	Amount of Malathion 5-E	Sugar (or) Unsulfurized Molasses or Corn Syrup	Sugar (or) Unsulfurized Molasses or Corn Syrup
2½ gals.	1 cup	2½ gals.	1 cup	1 cup	1 cup
12 gals.	1 qt.	12 gals.	1 qt.	2½ lbs.	1 qt.
100 gals.	2 gals.	100 gals.	2 gals.	20 lbs.	2 gals.

Apply the spray at the rate of 1 gal. per 1,000 sq. ft. on painted surfaces and 2 gals. per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate. Sugar, unsulfurized molasses, or corn syrup have been found in most cases to prolong the insecticidal activity of Malathion against flies. Do not apply Malathion within 14 days to freshly whitewashed surfaces.

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

STORED GRAINS: For the protection of stored wheat, oats, corn, rye, barley grains, 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, apply CYTHION 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 emulsifiable liquid per 25 gals. of water making thorough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. Wear a mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against cythion. Wear protective clothing to minimize skin exposure.

GRAINS GOING INTO STORAGE: Apply 1 pint of CYTHION 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 emulsifiable liquid to the surface of clean or uninfested grain at the rate of ½ pint in 1-2 gals. of water per 1000 sq. ft. 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.