

### DIRECTIONS FOR USE

Pour the required amount of this material through screen into partially filled spray tank with agitator running. Keep agitator running while mixing and spraying. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result.

**NOTE:** Do not combine emulsifiables with wettable powders in the same spray tank since they may not be compatible.

### COMPATIBILITY

Field experience to date indicates that Malathion 5-E is compatible with commonly used insecticides and fungicides such as lead arsenate, methoxychlor, mineral oil, ferbam, glyodin, captain, tri-basic copper sulfate, sulfur zineb, and ziram. Residual toxicity may be reduced when combined with alkaline materials.

**NOTICE:** Follow directions carefully. Timing and method of application, weather and crop condition, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**CONSULT YOUR STATE AGRICULTURAL EXTENSION SERVICE AUTHORITIES FOR TIMING OF APPLICATIONS.**

### RECOMMENDATIONS

Unless otherwise indicated dosages on this label are in pints of Malathion 5-E to use in 100 gallons of dilute spray. Thorough, full coverage applications should be made. Two or more applications may be needed for effective control. Repeat as necessary.

### FRUITS AND NUTS

**APPLE:** Woolly Apple Aphid, Bud Moth, Forbes Scale ..... 1 pt.  
Green Apple Aphid, Rosy Apple Aphid ..... 1½ pt.  
Mealybug, European Red Mite, Clover Mite, Two Spotted Mite ..... 1 to 2 pt.

Codling Moth, Plum Curculio, Red Banded Leaf Roller ..... 2 pt.

(Malathion 5-E may cause injury on McIntosh and Cortland in summer sprays).

**PEAR:** Mites, Pear Psylla, Mealybug ..... 1 to 2 pt.

Codling Moth, Plum Curculio, Fruit Tree Leaf Roller, Red Banded Leaf Roller ..... 2 pt.

(Malathion 5-E may cause injury to Bosc pears in Northeast).

**PEACH:** Oriental Fruit Moth, Plum Curculio ..... 2 pt.

**PLUM and PRUNE:** Mealy Plum-Aphid ..... 1 pt.

Plum Curculio ..... 1 to 1½ pt. plus 2½ lb. 50% Methoxychlor

**STRAWBERRY:** Aphids, Spider Mites ..... 1½ pt.

**PECAN:** Spider Mites, Aphids ..... 1½ to 2 pt.

Do not apply to apple, pear, plum, prune or strawberry within 10 days of harvest; to peach within 14 days of harvest. If combined with do not apply within 30 days of harvest; if combined with methoxychlor do not apply within 14 days of harvest. Residues remaining at harvest should be removed by washing, brushing, or other effective means. For codling moth, apple maggot, oriental fruit moth, or plum curculid, apply at petal fall and every 10 to 14 days thereafter until control is achieved.

GAL. NET .....

ROYAL BRAND

# MALATHION

(Contains 5 lb. Malathion per Gallon)

### ACTIVE INGREDIENTS:

Malathion (O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate) .....

Aromatic petroleum hydrocarbons .....

### INERT INGREDIENTS .....

**CAUTION: Keep Out Of Reach of Children**  
AN EMULSIFIABLE LIQUID FOR USE IN WATER  
INSECTICIDAL SPRAY

Harmful if swallowed, or absorbed through skin. Avoid mist. Avoid contact with skin, eyes and clothing. Keep out of children and domestic animals. Wash thoroughly water after using. Avoid contamination of feed and food. MALATHION may cause cholinesterase inhibition. If poisoning prompt medical aid. Atropine is antidotal.

Do not reuse container. Destroy when empty.

**WARNING: FLAMMABLE:** Keep Away From Heat Or Fire. This product is highly toxic to bees exposed to direct residues on crops. Protective information may be obtained from Cooperative Agricultural Extension Service.

This product is toxic to fish. Keep out of lakes, streams, rivers, ponds, or other bodies of water. Do not contaminate water by cleaning of equipment, or disposal.

Apply this product only as specified on this label.

**PROTECT FROM TEMPERATURES BELOW 40°F**

**Southern Agricultural Chemicals**

KINGSTREE, S. C.

E.P.A. REG. NO. 105-1000

Handwritten notes in a box:  
1-24-73  
3743-152

# ROYAL BRAND MALATHION 5-E

(Contains 5 lb. Malathion per Gallon)

ANALYSIS:

Diethyl dithiophosphate of diethyl phosphorothioic acid	55.3%
Hydrocarbons	39.7%
Other	5.0%
<b>Total</b>	<b>100.0%</b>

**Keep Out Of Reach of Children!**

USE LIQUID FOR USE IN WATER AS AN INSECTICIDAL SPRAY

Do not be absorbed through skin. Avoid breathing spray on skin, eyes and clothing. Keep out of the reach of domestic animals. Wash thoroughly with soap and water to avoid contamination of feed and foodstuffs. MALATHION inhibits acetylcholinesterase inhibition. If poisoning occurs, get atropine is antidotal.

Destroy when empty.

**BLE: Keep Away From Heat Or Open Flame!** Malathion is toxic to bees exposed to direct treatment or contact. For more protective information may be obtained from your local Agricultural Extension Service.

Do not use on fish. Keep out of lakes, streams, or ponds. Do not use on equipment, or disposal of wastes. Use as specified on this label.

TEMPERATURES BELOW 40 degrees F.

**Agricultural Chemicals, Inc.**

E.P.A. Reg. No. 3743-152

## VEGETABLES

TOMATO: Spider Mites	1 1/2 pt.
Aphids	1 pt.
PEA: Pea Aphid	1 1/2 pt.
BEAN: Mexican Bean Beetle	1 1/2 pt.
Spider Mites	1 to 1 1/2 pt.
CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS: Aphids, Imported Cabbage worm, Cabbage Looper	1 to 2 pt.
CUCUMBER, SQUASH, MELON: Aphids, Spider Mites	1 1/2 pt.
(Do not apply to cucurbit unless plants are dry).	
EGGPLANT: Aphids, Spider Mites	1 pt.
Lace Bug	3 pt.
PEPPERS: Aphids	1 pt.
BEET: Aphids	1 1/2 to 2 pt.
POTATO: Aphids	1 pt.

**FLIES: For Use in and Around Buildings Which House Domestic Animals, Around Yards, and Around Barns.**

Do not apply to peas, beans, tomato, cabbage, broccoli, kale, mustard, turnips, potato or beets (greens) within 10 days of harvest; to eggplant and peppers within 7 days of harvest. Residues remaining at harvest should be removed by washing, brushing or other effective means. Do not apply to cucumbers, squash, & melons within one day of harvest.

Apply spray at rate of one gallon per 1000 square ft. on painted surfaces and 2 gals. per 1000 square ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity of malathion and serves as a fly attractant.

Do not use in milk rooms. Avoid contamination of feed and food products. Remove animals and poultry from buildings before treating. Do not use in dwellings. Do not leave within reach of children.

## ORNAMENTALS

Thorough, full coverage applications should be made and repeated as necessary.

Oyster Shell Scale, Lace Bug	1 pt.
Edononymous Scale	1 to 1 1/2 pt.
Aphids, Mealy bugs, Spider Mites, Whitefly	1 1/2 pt.
Four-Lined Leaf Bug, Japanese Beetle (adult), Potato Leafhopper	1 1/2 pt.
Tarnished Plant Bug, Thrips, Rose Leafhopper	1 1/2 pt.
European Pine Shoot Moth, Scurfy Scale	1 1/2 pt.
Birch Leafminer, Boxwood Leafminer, Bagworms	2 pt.
Tent Caterpillar, Azalea Scale, Pine Leaf Scale, Magnolia Scale	2 pt.
Fletcher Scale (Apply when scale crawlers have settled on foliage)	2 pt.
Juniper Scale (Apply when scale crawlers have settled on foliage)	2 pt.
Florida Red-Scale	2 pt.

**CAUTION: Avoid use on certain ferns, including Boston, Maidenhair, and Pteris, as well as on some species of Crassula.**

Straight Malathion Sprays			Malathion Bait Sprays		
Amount of spray	Amount Malathion 5-E	Amount Bait spray	Amount Malathion 5-E	Sugar (or)	Unsulfurized Molasses or Corn Syrup
2 1/2 gal.	1 cup	2 1/2 gal.	1 cup	1 cup	1 cup
12 gal.	1 qt.	12 gal.	1 qt.	2 1/2 lb.	1 qt.
100 gal.	2 gal.	100 gal.	2 gal.	20 lb.	2 gal.