

MALATHION REREGISTRATION REVISIONS 2-22-89
LAND O'LAKES

57% MALATHION

CYTHION INSECTICIDE
EMULSIFIABLE CONCENTRATE

ACTIVE INGREDIENTS:

Malathion: 0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate	57.0%
INERT INGREDIENTS:	9.0%
Xylene Range Aromatic Hydrocarbon.....	34.0%
Total	100.0%

Contains 5 Lbs. of Malathion per gallon.

KEEP OUT OF REACH OF CHILDREN

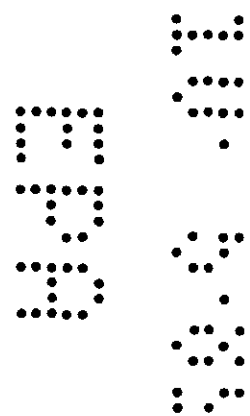
CAUTION

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 1381-41
EPA Est. No. 407-IA-1

Distributed by
Cenex/Land O'Lakes Agronomy Company
St. Paul, MN 55164

Not Reviewed. Registrant claims to be in accordance with
Reregistration of Pesticide Product Guidance for Phase 2
Response, Page 2.12, Active to Inert Change in Status.



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed. Do not breathe spray mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

NOTE TO PHYSICIAN: Malathion is a cholinesterase inhibitor. Atropine and 2-PAM are antidotal.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

STORAGE: Store in original container, in a cool, dry, secure area, away from fertilizer, food, or feed. Keep container closed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

LIQUID FLY BAIT: To control house and stable flies in barns, feed lots, poultry houses, utility buildings and around food disposals, mix 5 ounces of 57% Malathion with 5 ounces of corn syrup and add 2 gallons of water. Paint or spray on desired surfaces such as window frames, stanchions, support beams and doorways.

SWINE: For lice, mix 1 gallon per 100 gallons of water. Apply a complete spray to animals, pens and litter. One treatment may be sufficient. Repeat applications only if needed.

BEEF CATTLE AND NON-LACTATING DAIRY CATTLE: For lice, add 1 gallon of 57% Malathion to 100 gallons of water. For ticks, mix 1 to 2 gallons per 100 gallons of water. For horn flies, mix 1 to 1-1/2 gallons per 100 gallons of water. Apply complete coverage spray. Repeat at 2 week intervals if needed. Do not spray cattle during lactation or within two weeks of freshening. Do not apply to calves under one month of age. **NOTE:** When applying malathion sprays do not contaminate milk, milking equipment, feed or drinking water.

BACK RUBBING DEVICES: As an aid in the control of lice or horn flies on beef cattle, apply a mixture of 2% malathion (1 gallon 57% Malathion to 28-1/2 gallons fuel oil or kerosene, or 1 quart 57% Malathion to 7-1/4 gallons oil) to the back rubbing device. These devices should be made continuously accessible, one to each 35 to 45 head of cattle. Retreat the oiler every 2 to 3 weeks. Do not apply to dairy animals.

GENERAL INFORMATION — Thorough, full coverage applications should be made. Repeat applications as necessary. Mix 57% Malathion with water at the rate indicated. The per acre rate is mixed with sufficient water for thorough application.

APPLICATION CHART

FOR USE ON	TO CONTROL	PER ACRE	IN 1 GAL.	COMMENTS
Apples, Pears	European Red Mite,	1 - 2 pints per	2 teaspoons	Make 2 or more applications as needed for mites, 1 or more for aphids. At pre-pink or pink stage of bloom or when aphids appear. Do not use within 3 days of harvest.
	Clover Mite,	100 gal. water		
	Two Spotted Mite			
	Wooly Apple Aphid	1 pint per	1 teaspoon	
	Forbes Scale	100 gal. water		
	Green Apple Aphid	1-1/2 pints per	1-1/2 tsp.	
	Rosy Apple Aphid			
Tomatoes	Spider Mites	1-1/2 pints	1-1/2 tsp.	Make one or more applications as needed. Do not use within 1 day of harvest.
	Aphids	1 pint	1 teaspoon	
Beans	Mexican Bean Beetle, Spider Mites, Leafhopper	2 pints	2 teaspoons	
Peas	Pea Aphid	2 pints	2 teaspoons	Make one or more applications. Do not use within 3 days of harvest.
Potatoes	Aphids	2 pints	2 teaspoons	
Cabbage, Broccoli, Kale, Mustard, Turnip	Aphids, Imported Cabbage Worm	2 pints	2 teaspoons	Make full coverage application. Repeat as necessary. Do not use within 3 days of harvest on Broccoli and Turnips. Seven days on others.
Alfalfa for seed	Aphids	2 pints per acre in at least 10 gallons water		Do not apply within 7 days of harvest, or during full bloom.
Flowers, Ornamentals	Oyster Shell Scale	1 pint	1 teaspoon	Apply in summer when infestation occurs. Repeat in 7 to 12 days.
	Euonymus Scale			
	Aphids, Spider Mites, White Fly, Thrips, Mealy Bugs, Japanese Beetle Adult, Four Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper	1-1/2 pints	1-1/2 tsp.	
	Bagworms,	2 pints	2 teaspoons	
	Juniper Scale			
	Soft Brown Scale	2-1/2 pints	2-1/2 tsp.	
	Pine Needle Scale	4 pints	4 teaspoons	

NOTICE: Buyer assumes all risk of use, storage, or handling of this product when not in strict accordance with directions given herewith.