

COMFILE B:5481-10.LAB #6
EPA REG. NO. 5481-10-AA-
Amendment



5481-10
ACCEPTED
JAN 21 1986
United States Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the pesticide
registered under
EPA Reg. No. 5481-10

A L C O

M A L A T H I O N 5 7

S P R A Y C O N C E N T R A T E

Contains 5 lbs. Malathion Per Gallon

CONTROLS FLIES, LICE, TICKS, POULTRY MITES, FLEAS, AND
HOUSEHOLD INSECTS ON AND AROUND LIVESTOCK, POULTRY, HOMES,
FARM BUILDINGS, AND DOG KENNELS,

FOR PEST CONTROL ON CHICKENS, DUCKS, GEESE,
TURKEYS, BEEF CATTLE, HOGS, SHEEP AND GOATS.

ACTIVE INGREDIENTS:

Malathion*	57.0%
Aromatic Petroleum Derivative Solvent	32.0%
INERT INGREDIENTS:	11.0%
	100.0%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap & water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal. Aromatic solvent may present aspiration hazard. Gastric lavage indicated if product was swallowed.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
FOR COMPLETE ADDITIONAL DIRECTIONS FOR USE.

SEE SUPPLEMENTAL LABELING BOOKLET ATTACHED TO THIS CONTAINER

EPA REG. NO. 5481-10-AA

EPA EST. NO. 5481-CA-1

NET CONTENTS 1 GALLON

AMVAC CHEMICAL CORPORATION
4100 EAST WASHINGTON BLVD.
LOS ANGELES, CA 90023

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MALATHION 57 SPRAY CONCENTRATE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Wash contaminated clothing before re-use. Do not contaminate food or feed. NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal. RE-ENTRY AND FARM WORKER SAFETY STATEMENT.....

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.....Do not enter treated Citrus Grove areas for 24 hours and not until sprays have dried for other crops unless appropriate protective clothing is worn. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in treated areas or in an area to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information: "CAUTION: Area treated with MALATHION 57on (Date). Do not enter Citrus Groves without appropriate protective clothing for 24 hours. Do not enter other treated crops without appropriate clothing until sprays have dried".When a mixture of 2 or more organophosphate pesticides is applied, the re-entry interval shall be extended by adding to the longest applicable interval, an additional 50% of that interval. In case of accidental exposure refer to STATEMENTS OF PRACTICAL TREATMENT or other Precautionary Statements on this product label. Apply this product only as specified on this label or on the attached Supplemental Labeling.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish, shrimp, crab, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crab may be killed at application rates on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. This product is highly toxic to bees exposed to direct treatment or residues on weeds or crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill 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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children. PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: GLASS: Triple rinse(or equivalent).Then dispose of in a sanitary landfill or by other approved State and local procedures. METAL: Triple rinse (or equivalent).Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use.

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Use in Strict Accordance with Label Cautions and Directions

FLY CONTROL: Mix 1 gallon ALCO MALATHION 57 SPRAY CONCENTRATE to 50 gallons of water (8 fl. oz. per 3 gallons; 5 Tbsp. per 1 gallon). **Baited Spray:** To attract flies and prolong effectiveness, add 10 pounds powdered sugar or 1 gallon corn syrup or unsulfured molasses per 50 gallons (1 cup sugar or syrup per gallon). Apply 1 quart per 250 sq. ft. of painted surface or 2 quarts if unpainted. Treat areas where flies rest or congregate such as outside of buildings, waste walls, ceilings, door and around window frames of barns, pens, corrals, poultry houses, kennels, garbage cans and other structures. Do not use in milk rooms or rooms where edible products are handled.

MOSQUITO AND SMALL FLYING INSECTS: Outdoors use a 2-5% fog, aerosol or space spray. Dilute 1 part ALCO MALATHION 57 SPRAY CONCENTRATE in 20 parts water, fuel oil or diesel oil. Direct fog or aerosol to areas where insects are a problem. For 5% fog, dilute 1 part ALCO MALATHION 57 SPRAY CONCENTRATE in 12 parts water. **MOSQUITO LARVAE** (in standing water): Apply at the rate 13 fl. oz. (1/2 pound) actual Malathion per acre. Mix in sufficient water or oil for good coverage. **Spot Treatment:** Dilute 1 part to 100 parts water (8 tsp. per 1 gallon). Use only in intermittently flooded areas, standing water, temporary rain ponds, and log ponds.

POULTRY MITES, LICE on Chickens, Ducks, Geese, Turkeys: Use 1 oz. (2 Tbs.) per 1 gallon of water and spray on birds using 1 gallon per 100 to 150 birds. Repeat in 4 to 8 weeks or when necessary.

POULTRY HOUSES: Northern Fowl Mite, Chicken Red Mite, Poultry Lice and Fleas: Use 2 oz. (4 Tbs.) per 1 gallon of water and spray liberally on walls, ceilings, litter, roosts, nests and adjacent areas forcing spray into all cracks and crevices.

POULTRY TICKS: Use 6 to 7 oz. per 1 gallon of water. Spray thoroughly on walls, ceilings and adjacent areas forcing spray into all cracks and crevices.

ROOST PAINT: Chicken Red Mite, Poultry Lice: Mix 2 oz. (4 Tbs.) per 1 gallon of water and brush on roosts at the rate of 1 pint per 150 feet. Repeat as needed.

Premise Spray For Fleas: Remove all debris or manure. Thoroughly spray all pens, kennels, yards, lawns. Use 5 Oz. per 1 gallon of water per 1,000 Sq.Ft.

LICE ON BEEF CATTLE AND SWINE: Use one gallon per 100 gallons of water. Thoroughly spray animals, pens and litter. Repeat only if needed.

TICKS ON BEEF CATTLE: Use 1 to 2 gallons per 100 gallons of water. Spray animals completely. Repeat at two week intervals if needed.

BACK RUBBERS - OILERS: Lice on Beef Cattle: Treat backrubbers with 1 pint in 1/2 gallons of diesel fuel (Do not use crankcase or lubricating oil). Repeat every 2 to 3 weeks. Treatment may reduce hornflies.

SHEEP, GOATS: Lice, Ticks, Keds: Use one gallon per 100 gallons (1 1/2 fl. oz. per 1 gallon) and spray animals thoroughly. Repeat after 2 or 3 weeks if needed. Do not apply to milk goats or animals under 1 month of age.

IMPORTANT PRECAUTIONS TO OBSERVE WHEN USING ON ANIMALS: Do not apply to lactating dairy animals or to calves less than one month of age. Avoid contamination of feed, foodstuff, food containers and watering troughs. Do not apply to dogs or cats. Sprayed hogs, and other animals should be kept out of sun and wind for a few hours after treatment.

HOUSEHOLD INSECTS: Fleas, Mosquitoes, Ants, Crickets, Spiders, Silverfish, Clover Mites, Earwigs, Carpet Beets, Clothes Moths, Bed Bugs: Mix 3 Tbs. in 1 quart of water (6 fl. oz. per gallon) or for an oil base spray, mix 1 part ALCO MALATHION 57 SPRAY CONCENTRATE with 19 parts of a deodorized kerosene solution made up of 4 parts kerosene type solvent plus one part aromatic hydrocarbon solvent. Apply as a coarse spray or with a paint brush or low pressure spray to areas where insects run or hide such as around window frames, baseboards, drapery, under sinks, stoves, along and under carpet margins, closets, and to other areas frequented by these pests.

IMPORTANT - READ BEFORE APPLYING THIS FOR HOUSEHOLD INSECT CONTROL: The solvent in this product may stain certain fabric, plastic, rubber and asphaltic materials such as tiles, carpet, and floor coverings. Avoid treating them or treat a very small inconspicuous area first to see if the material is affected by the spray. If unaffected treat them sparingly and clean thoroughly after the insecticide has dried. Otherwise do not treat.

THE FOLLOWING IS AN EPA ACCEPTED LABEL COPY OF THE SUPPLEMENTAL LABELING WHICH APPEARS IN BOOKLET FORM AND IS ATTACHED TO PRODUCT CONTAINER.

Strawberry Aphids, Spider Mites, Strawberry root weevil—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Field Crickets, Legume Bugs, Spittlebugs, Hoppers—1 1/2-3 pts. per 100 gals. water per acre (1 1/2-3 tsp./gal.). Potato Leafhopper, Strawberry leaf-roller, White Mite—1 1/2-2 1/2 pts. per 100 gals. water per acre (1 1/2-2 1/2 tsp./gal.). Do not apply within 3 days of harvest.
 Tomatoes: Aphids—1 pt. per 100 gals. water per acre (1 tsp./gal.). Spider mites—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Brownflies—2 1/2 pts. per 100 gals. water per acre (2 1/2 tsp./gal.). Do not apply within 1 day of harvest. Armyworms and Fruitworms (California)—2 1/4 pts. per 100 gals. water per acre (2 1/4 tsp./gal.). Do not apply within 3 days of harvest.
 Turnips: Aphids, Cabbage looper, Imported cabbage worm—1-2 pts. per 100 gals. water per acre (1-2 tsp./gal.). Do not apply within 3 days of harvest.



**MALATHION 57
Spray Concentrate**

ACTIVE INGREDIENTS: By Weight
 Malathion* 57.00%
 Aromatic Petroleum Derivative Solvent 32.00%
INERT INGREDIENTS 11.00%
 *O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

CONTAINS 5 LBS. MALATHION PER GALLON

CAUTION: KEEP OUT OF REACH OF CHILDREN

SEE BACK PANEL FOR ADDITIONAL CAUTIONS

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS.

Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

DO NOT USE, PUMP, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

NOTICE: AMVAC Chemical Corporation makes no warranty, express or implied, including the warranty of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on AMVAC's label.

Manufactured By
AMVAC CHEMICAL CORPORATION
 Los Angeles, California 90023

EPA Reg. No. 5481-10-AA
 EPA Est. 5481-CA-1

DIRECTIONS

ORNAMENTALS, SHRUBS, SHADE TREES: Aphids, spider mites, white fly, mealybugs, thrips, tarnished plant bugs, leafhoppers, eyeborer scale, scurfy scale—Use 1 1/2 pts. to 100 gals. water (1 1/2 tsp. to 1 gal. water). Soft brown scale, Monterey Pine scale, black scale crawlers, juniper scale—2 1/2 pts. to 100 gals. water (2 1/2 tsp. to 1 gal. water). Pine needle scale—use 4 pts. to 100 gals. water (4 tsp. to 1 gal. water). Leaf miner—2 pts. to 100 gals. water (2 tsp. to 1 gal. water).

AGRICULTURAL USES

Alfalfa: Alfalfa weevil larvae, Aphids, Armyworms, Clover leaf weevil, Grasshoppers, Leafhoppers, Lygus bugs, Spider mites, Spittlebug, Spotted alfalfa aphid—use 1 1/2 to 2 pints in 100 gals. water per acre (1 1/2 to 2 tsp. per gal. water). Pea Aphid—1 pint in 100 gals. water per acre (1 tsp. per gal. water). May be applied to day of harvest.

Almonds: Aphids, Red spiders—use 1 to 2 pints per 100 gals. water (1 to 2 tsp. per gal.). Peach twig borer—use 1 to 1 1/2 pts. per 100 gals. water (1 to 1 1/2 tsp. per gal. water). May be applied to day of harvest.

Apples: Aphids (Woolly Apple, Green Apple, Bony Apple), Tent caterpillar—Use 1 to 1 1/2 pts. per 100 gals. water (1 to 1 1/2 tsp. per gal. water). Bud moth, Forbas scale—use 1 pt. per 100 gals. water (1 tsp. per gal. water). Codling Moth, Mealybug, Plum curculio, Red-banded leaf roller—2 pts. per 100 gals. water (2 tsp. per gal. water). Do not apply within 3 days of harvest.

Artichokes: Aphids, Codling moth, Orange tortrix, Soft brown scale, Terrapin scale—1 to 2 pts. per 100 gals. water (1 1/2 to 2 tsp. per gal. water). Do not apply within 7 days of harvest.

Asparagus: Asparagus aphid, asparagus beetle, Thrips—2 pts. per 100 gals. water per acre (2 tsp./gal.). Do not apply within 1 day of harvest.

Bromelads: Greenhouse thrips, Liliopsis scale, Ombrosorus looper, Orange tortrix, Soft brown scale—1 1/2 pts. per 100 gals. water (1 1/2 tsp./gal.). Do not apply within 7 days of harvest.

Bones (pine, green, snap, Navy, red kidney war, dry, blackeye): Mexican bean beetle, Leafhoppers, Green wormworm, Japanese beetle, Legume bug—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Do not apply within 1 day of harvest.

Bunchberries, Boysenberries, Raspberries, Loganberries, Raspberries: Aphids, Rose scale—3 pts. per 100 gals. water per acre (3 tsp./gal.). Japanese beetle, Leafhoppers, Mites, Thrips—1 1/2

pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Do not apply within 1 day of harvest.

Carrots: Aphids—1 1/2-2 pts. per 100 gals. water per acre (1 1/2-2 tsp./gal.). Leafhoppers—2 1/2 pts. per 100 gals. water per acre (2 1/2 tsp./gal.). Do not apply within 7 days of harvest.

Cherries: Black Cherry Aphid, Fruit tree leaf roller—1 1/2 pts. per 100 gals. water (1 1/2 tsp. per gal. water). Bud moth, Japanese beetle—1 pt. per 100 gals. water (1 tsp. per gal. water). Do not apply within 3 days of harvest.

Citrus: Black, California red, Citricola, Purple, Soft and yellow Scales; Thrips—1 to 1 1/2 pts. per 100 gals. water (1 to 1 1/2 tsp. per gal. water). Florida red and purple scales—2 pts. per 100 gals. water (2 tsp. per gal. water). Do not apply within 7 days of harvest.

Corn: Aphids, Armyworms, Cereal leaf beetle, Corn rootworm adults, Grasshoppers, Sap beetle, Thrips—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp. per gal. water). Do not apply within 7 days of harvest.

Eggplant: Aphids, Spider Mites—1 pt. per 100 gals. water per acre (1 tsp. per gal. water). Lace bug—3 pts. per 100 gals. water per acre (3 tsp. per gal. water). Do not apply within 3 days of harvest.

Lettuce: Aphids, Leafhoppers—2 pts. per 100 gals. water per acre (2 tsp. per gal.). Cabbage looper—3 pts. per 100 gals. water per acre. Do not apply within 14 days of harvest for Leaf Lettuce, and 7 days of Head Lettuce.

Melons (except watermelons): Aphids, Spider Mites—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Cucumber beetle—2 pts. per 100 gals. water per acre (2 tsp./gal.). Do not apply within 1 day of harvest.

Peaches: Aphids (Green Peach, Black Cherry, Black Peach, Rusty Plum); Japanese beetle—1 pt. per 100 gals. water per acre (1 tsp./gal.) Cottony peach scale, oriental fruit moth, Plum curculio, Terrapin scale—2 pts./100 gals. water per acre (2 tsp./gal.). Do not apply within 7 days of harvest.

Pears: Codling moth, Fruit tree leaf roller, Plum curculio, Red-banded leaf roller—3 pts. per 100 gals. water per acre (3 tsp./gal.). Mealybugs, Mites, Pear Psylla—1-2 pts. per 100 gals. water per acre (1-2 tsp./gal.). Do not apply within 1 day of harvest.

Pears: Aphids, Pear Weevil—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Do not apply within 7 days of harvest if vines are used as animal food, 3 days if vines are not.

Potatoes: Aphids, Mites—1-2 pts. per 100 gals. water per acre (1-2 tsp./gal.). May be applied to day of harvest.

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