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7481



# MALATHION 57 Spray Concentrate

CONTAINS 5 LBS. MALATHION PER GALLON  
CONTROLS FLIES, LICE, TICKS, POULTRY MITES, FLEAS,  
HOUSEHOLD INSECTS ON AND AROUND LIVESTOCK  
POULTRY, HOMES, FARM BUILDINGS, DOG KENNELS, ...  
FOR PEST CONTROL ON CHICKENS, DUCKS, GEESE,  
TURKEYS, BEEF CATTLE, HOGS, SHEEP, GOATS.

| ACTIVE INGREDIENTS            | % By Wt. |
|-------------------------------|----------|
| Malathion*                    | 57.0%    |
| Aromatic Petroleum Distillate | 32.0%    |
| INERT INGREDIENTS             | 11.0%    |
|                               | 100.0%   |

\*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

**CAUTION KEEP OUT OF REACH OF CHILDREN  
SEE SIDE PANELS FOR ADDITIONAL CAUTIONS**

MANUFACTURED BY AMVAC CHEMICAL CORPORATION, LOS ANGELES, CA 90023

EPA Reg. #5481-10-AA

NET CONTENTS

Use strictly in accordance with label  
cautions, warnings, and directions.

## DIRECTIONS

**FLY CONTROL** Mix 1 gallon ALCO MALATHION 57 SPRAY CONCENTRATE to 50 gallons of water (1 fld. 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 unsulfurized 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, inside walls, ceilings, door and 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 28 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 to 12 parts water. **MOSQUITO LARVAE** (in standing water): Apply at the rate 13 fld. 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 (10 tsp. per 1 gallon) and apply to infested areas.

**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 Flies: 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.

**DOGS AND CATS:** 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. feet.

**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 2-4 week intervals if needed.

**BACK RUBBERS - DILERS:** Lice on Beef Cattle. Treat backrubbers with 1 pint in 40 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, Kids. Use one gallon per 100 gallons (1-1/3 fld. 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.

**HOUSEHOLD INSECTS:** Roaches, Crickets, Ants, Crickets, Spiders, Silverfish, Clover Mites, Earwigs, Carpet Beetle, Clothes Moths, Bed Bugs: Mix 3 Tbs. in 1 quart of water (6 fld. 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 anhydrous carbon solvent. Apply as a coarse spray or with a paint brush under pressure spray to areas where insects run or hide such as window sills, baseboards, doorboards, under sinks, stoves, along and under carpet margins, closets, and to other areas frequented by these pests.

**WARNING:** Harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly after using. Keep out of reach of children. Malathion, upon repeated or prolonged careless use, may cause cholinesterase inhibition. If poisoning occurs, get prompt medical aid. Atropine is antidotal. Do not store near heat or open flame.

**CAUTION:** Do not apply to lactating dairy animals or to calves less than one month of age. Avoid contamination of feed, foodstuffs, food containers, and watering troughs.

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes and estuaries.

Wash and Destroy Container

Never Re-use.

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**ALCO**

**MALATHION 57  
Spray Concentrate**

| ACTIVE INGREDIENT                      | By Weight |
|--|-----------|
| Malathion*                             | 57.00%    |
| Aromatic Petroleum Derivative Solvents | 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 SIDE PANEL FOR ADDITIONAL CAUTIONS

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

ACCEPTED  
5481-10  
AUG 30 1974

USE THIS LABEL ONLY FOR THE  
PURPOSES INDICATED THEREON.  
DO NOT REUSE THIS LABEL FOR  
ANY OTHER PRODUCT. SUBJECT  
TO APPROVED CONDITIONS.



DIRECTIONS

ORNAMENTALS, SHRUBS, SHADE TREES: Aphis, spider mites, white fly, mealybugs, thrips, tarnished plant bugs, leafhoppers, oystershell scale, scurfy scale--Use  $1\frac{1}{2}$  pts. to 100 gals. water ( $1\frac{1}{2}$  tsp. to 1 gal. water). Soft brown scale, Monterey Pine scale, black scale crawlers, juniper scale--( $2\frac{1}{2}$  pts. to 100 gals. 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 (2tsp. 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  $1\frac{1}{2}$  to 2 pints in 100 gals. water per acre ( $1\frac{1}{2}$  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  $1\frac{1}{2}$  pts. per 100 gals. water (1 to  $1\frac{1}{2}$  tsp. per gal. water). May be applied to day of harvest.

Apples: Aphids (Woolly Apple, Green Apple, Rosy Apple), Tent caterpillar--Use 1 to  $1\frac{1}{2}$  pts. per 100 gals. water (1 to  $1\frac{1}{2}$  tsp. per gal. water). Bud moth, Forbes 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.

Apricots: Aphids, Codling moth, Orange tortrix, Soft brown scale, Terra-pin scale-- $1\frac{1}{2}$  to 2 pts. per 100 gals. water ( $1\frac{1}{2}$  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.

Avocados: Greenhouse thrips, Latania scale, Omniverous looper, Orange tortrix, Soft brown scale-- $1\frac{1}{2}$  pts. per 100 gals. water ( $1\frac{1}{2}$  tsp./gal.). Do not apply within 7 days of harvest.

Beans (lima, green, snap, Navy, red kidney, wax, dry, blackeye): Mexican bean beetle, Leafhoppers, Green cloverworm, Japanese beetle, Lygus bug-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Do not apply within 1 day of harvest.

Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries: Aphids, Rose scale--3 pts. per 100 gals. water per acre (3 tsp./gal.). Japanese beetle, Leafhoppers, Mites, Thrips-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Do not apply within 1 day of harvest.

Carrots: Aphids-- $1\frac{1}{2}$ -2 pts. per 100 gals. water per acre ( $1\frac{1}{2}$ -2 tsp./gal.). Leafhoppers-- $2\frac{1}{2}$  pts. per 100 gals. water per acre ( $2\frac{1}{2}$  tsps/gal.). Do not apply within 7 days of harvest.

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Cherries: Black Cherry Aphid, Fruit tree leaf roller-- $1\frac{1}{2}$  pts. per 100 gals. water ( $1\frac{1}{2}$  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  $1\frac{1}{2}$  pts. per 100 gals. water (1 to  $1\frac{1}{2}$  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-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  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-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Cucumber beetle--2 pts. per 100 gals. water per acre (2 tsp./gal.). Do not apply within 1 day of harvest.

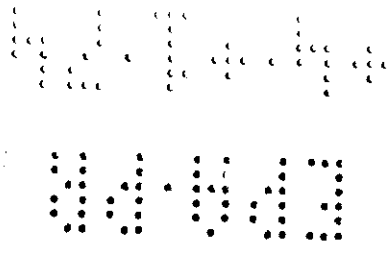
Peaches: Aphids (Green Peach, Black Cherry, Black Peach, Rusty Plum); Japanese beetle--1 pt. per 100 gals. water per acre (1 tsp./gal.). Cottony peach scale, oriental fruit moth, Plum curculio, Terrapin scale--2 pts./100 gals. water per acre (2 tsp./gal.). Do not apply within 7 days of harvest.

Pears: Codling moth, Fruit tree leaf roller, Plum curculio, Red-banded leaf roller--2 pts. per 100 gals. water per acre (2 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.

Peas: Aphids, Pea Weevil-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Do not apply within 7 days of harvest if vines are used as animal feed, 3 days if vines are not.

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

Strawberries: Aphids, Spider Mites, Strawberry root weevil-- $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Field Crickets, Lygus bugs, Spittlebug, Thrips-- $1\frac{1}{2}$ -3 pts. per 100 gals water per acre ( $1\frac{1}{2}$ -3 tsp./gal.). Potato Leafhopper, Strawberry leafroller, White flies-- $1\frac{1}{2}$ - $2\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$ - $2\frac{1}{2}$  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— $1\frac{1}{2}$  pts. per 100 gals. water per acre ( $1\frac{1}{2}$  tsp./gal.). Drosophila— $2\frac{1}{2}$  pts./100 gals. water per acre ( $2\frac{1}{2}$  tsp./gal.). Do not apply within 1 day of harvest. Armyworms and Fruitworms (California)— $2\frac{3}{4}$  qts per 100 gals. water per acre (5tsp./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.

CAUTION: Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin; wash thoroughly after using. Avoid contamination of feed and foodstuffs. Keep out of reach of children. DANGER—Keep away from heat or open flame.

Do not reuse empty container. Crush or break when empty, and bury in a safe place.

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.

This product is toxic to fish (except when used for mosquito larvae control). 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.

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

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

Manufactured By  
AMVAC CHEMICAL CORPORATION  
Los Angeles, California 90023

