

-2-

Remove pets and birds, and cover fish aquariums before spraying.

b. Specify "small flying moths."

c. Refer to PR Notice 83-3 for information related to Storage and Disposal statement.

Sincerely yours,

Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

Rd:AHeward:DCR-10941:WANG-0370C:bjc:Raven:479-2013:7/13/83

1 (of 2)

DIRECTIONS

1. ORNAMENTALS, SHRUBS, SHADE TREES. Apply to the leaves...

AGRICULTURAL USES

2. Alfalfa, Amaranth, Beans, Broccoli, Cabbage, Cauliflower...

1 1/2 lbs. per 100 gals. water per acre (1 1/2 lbs. per 100 gals. per acre)

3. Carrots. Apply 1 1/2 lbs. per 100 gals. water per acre... 4. Celery...

5. Strawberries: Aphids, Spider Mites, Strawberry root... 6. Tomatoes...

CAUTION: Harmful if swallowed. Avoid breathing of... Do not use in edible products areas of food process...

Manufactured By AVIAC CHEMICAL CORPORATION Los Angeles, California 90043

2(of 2)

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

DIRECTIONS

FLY CONTROL - For control of house flies, stable flies, and horn flies on poultry, swine, and horses, dilute with water and spray liberally on the animals.

MOSQUITO AND SMALL FLYING INSECTS - For control of mosquitoes and other small flying insects, dilute with water and spray liberally on the animals.

POULTRY MITES - Lice on Chickens, Ducks, Geese, Turkeys - Dilute with water and spray liberally on the birds.

POULTRY HOUSES - Northern Fowl Mite, Chicken Red Mite, Poultry Lice - Dilute with water and spray liberally on the birds and their quarters.

POULTRY TICKS - Dilute with water and spray liberally on the birds.

ROOST PAINT - Chicken Red Mite, Poultry Lice - Dilute with water and spray liberally on the roosts.

DOGS AND CATS - Fleas, Ticks - Dilute with water and spray liberally on the animals.

LICE ON BEEF CATTLE AND SWINE - Dilute with water and spray liberally on the animals.

TICKS ON BEEF CATTLE - Dilute with water and spray liberally on the animals.

BACK RUBBERS - Lice on Beef Cattle - Dilute with water and spray liberally on the animals.

SHEEP GOATS - Lice, Ticks - Dilute with water and spray liberally on the animals.

HOUSEHOLD INSECTS - Roaches, Crickets, Ants, Cockroaches, Spiders, Silverfish, Earwig, Flies, Beetles, Fleas, Mosquitoes, Bats, etc. - Dilute with water and spray liberally on the insects.

CAUTION - Do not use on birds, fish, or aquatic life. Do not use on children or pets. Do not use in food preparation areas. Do not use in enclosed spaces. Do not use in areas where food is stored. Do not use in areas where people are sleeping. Do not use in areas where people are eating. Do not use in areas where people are drinking. Do not use in areas where people are working. Do not use in areas where people are playing. Do not use in areas where people are exercising. Do not use in areas where people are resting. Do not use in areas where people are relaxing. Do not use in areas where people are socializing. Do not use in areas where people are entertaining. Do not use in areas where people are having a party. Do not use in areas where people are having a picnic. Do not use in areas where people are having a barbecue. Do not use in areas where people are having a campfire. Do not use in areas where people are having a bonfire. Do not use in areas where people are having a bonfire. Do not use in areas where people are having a bonfire.

Wash and Destroy Container. Never Re-Use.
AMVAC CHEMICAL CORPORATION
 Los Angeles, California 90023

EPA Reg. No. 4481-10-100A
 EPA P. 01-10-100A



BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

1 (of 2)

DIRECTIONS

ORNAMENTALS, SHRUBS, SHADE TREES: Aphids, spider mites, white fly, mealybugs, thrips, tarnished plant bugs, leafhoppers, oystershell scale, scuffy 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, sawflies, 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

- 2. 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.
- 3. 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.
- 4. Apples: ~~Worms~~ (Woolly Apple, Green Apple, Rosy 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, 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.
- 5. Apricots: 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.
- 6. Asparagus: Asparagus aphid, asparagus beetle, Thrips—2 pts. per 100 gals. water per acre (2 tsp. per gal.). Do not apply within 1 day of harvest.
- 7. Avocados: Greenhouse thrips, Latania scale, Omniverous looper, Orange tortrix, Soft brown scale—1 1/2 pts. per 100 gals. water (1 1/2 tsp. per gal.). Do not apply within 7 days of harvest.
- 8. Beans (lima, green, snap, Navy, red kidney, wax, dry, blackeye): ~~Worms~~, ~~Leafhoppers~~, ~~Green cloverworm~~, ~~Japanese beetle~~, Lygus bugs—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp. per gal.). Do not apply within 1 day of harvest.
- 9. Blackberries, Boysenberries, Logberries, Raspberries: ~~Worms~~, ~~Leafhoppers~~, ~~Green cloverworm~~, ~~Japanese beetle~~, ~~Lygus bugs~~—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp. per gal.). Do not apply within 1 day of harvest.

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p./gal.). Do not apply
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 0 gals. water per acre
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 roller—1 1/2 pts. per
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 Do not apply within
 Do not apply within
 100 gals. water per
 3 pts. per 100 gals.
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 3 pts. per 100 gals.
 ys of harvest for Leaf
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). Cucumber beetle—
 p./gal.). Do not apply
 aphid
 y Black Peach Rusty
 gals. water per acre
 tal fruit moth, Plum
 . water per acre 12
 harvest.
 Plum curculio, Red-
 ater per acre 2 tsp.
 pts. per 100 gals. wa-
 within 1 day of harvest.
 100 gals. water per
 7 days of harvest if
 vines are not
 gals. water per acre
 harvest.

- (21) Strawberries: Aphids, Spider Mites, Strawberry root weevil—1 1/2 pts. per 100 gals. water per acre (1 1/2 tsp./gal.). Field Crickets, Lygus bugs, Spittlebug, Thrips—1 1/2-3 pts. per 100 gals. water per acre (1 1/2-3 tsp./gal.). Potato Leafhopper, Strawberry leaf-roller, White flies—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.
- (22) 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.). Drosophila—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 3/4 qts. per 100 gals. water per acre (5 tsp./gal.). Do not apply within 3 days of harvest.
- (23) 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.

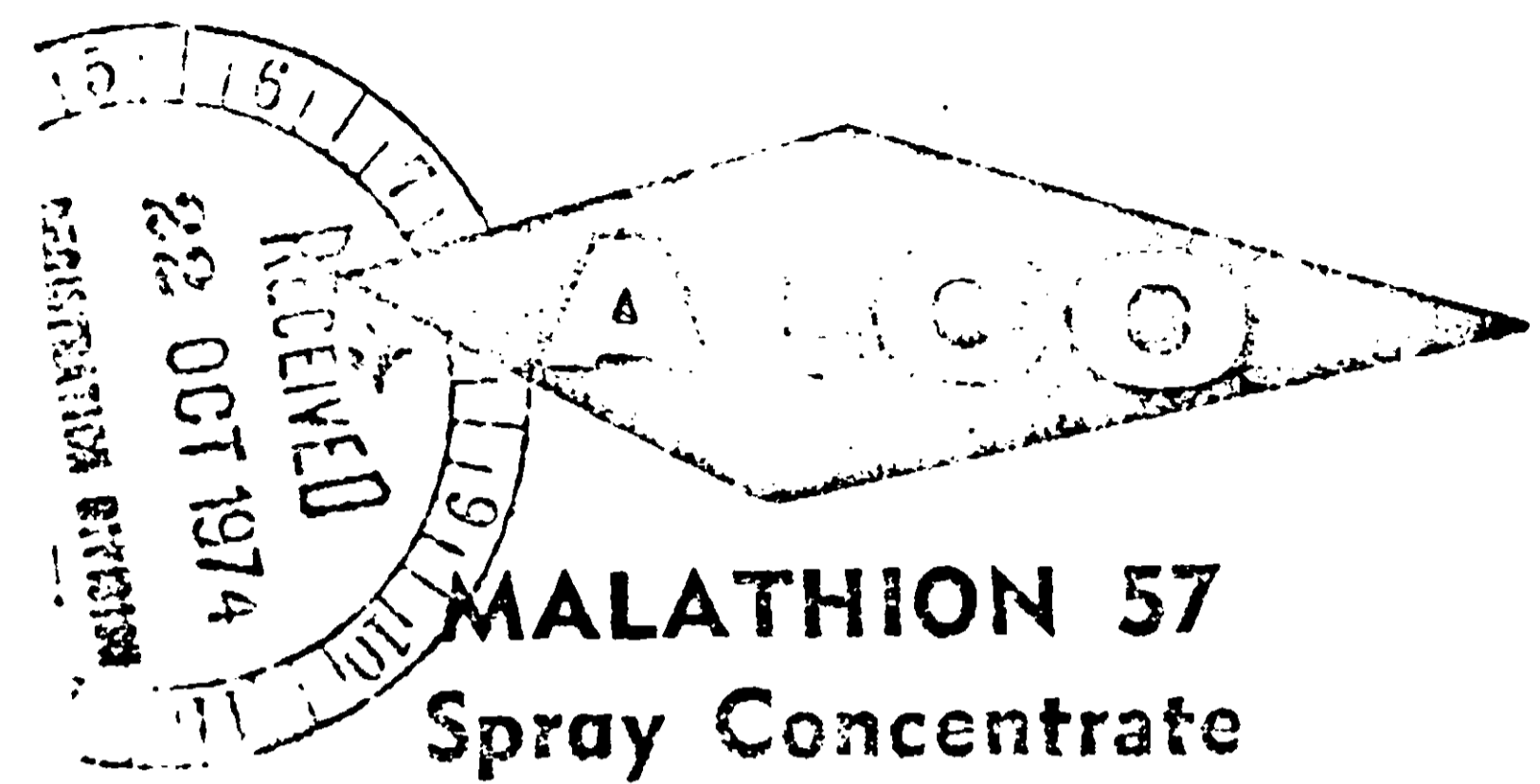
Do not reuse empty container. Crush or break when empty, and bury in a safe place. Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

This product is toxic to fish, shrimp, crab and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

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 those which are contained on AMVAC's label.

Manufactured By
AMVAC CHEMICAL CORPORATION
 Los Angeles, California 90073



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 BACK PANEL FOR ADDITIONAL CAUTIONS

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

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

ACCEPTED
 5481-10

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 (8 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 outsides of buildings, inside 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 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. (. pound actual Malathion per acre). Mix in sufficient water or oil for good coverage. **Spot Treatment:** Dilute 1 part to 100 parts water (6 tps. per 1 gallon) and apply to infested areas. Use only in intermittently flooded areas, standing water, temporary rain pools, 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 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 two week intervals if needed.

BACK RUBBERS - OILERS: Lice on Beef Cattle: Treat backrubbers with 1 pint in 4½ gallons of diesel fuel. (Do not use crankcase or lubricating oil.) Repeat every 2 to 3 weeks. Treatment may reduce hornflies.

SHEEP, GOATS: Lice, Tick, Keds: 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, Crotons, Ants, Crickets, Spiders, Silverfish, Clover Mites, Earwigs, Carpet Beetle, Clothes Moths, Bed Bugs: Mix 3 Tbs. in 1 quart of water (6½ 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 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, drainboards, under sinks, stoves, along and under carpet margins, closets, and to other areas frequented by these pests.

CAUTION: 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 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.

Do not spray dogs and cats. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.

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

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information only. Get this from your Cooperator or Agricultural Extension Service.

Wash and Destroy Container. Never Re-Use.

Manufactured By
AMVAC CHEMICAL CORPORATION
Los Angeles, California 90023

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

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logs, and directions.

10 gallons of water (8 fld. oz. per 3 gallons, 5 Tbsp. per 1
gallon or 1 gallon corn syrup or unsulfurized molasses per 50
oz. or 2 quarts if unpainted. Treat areas where flies rest or
lines of barns, pens, corrals, poultry houses, kennels, garbage
filled.

Space spray. Dilute 1 part ALCO MALATHION 57 SPRAY
where insects are a problem. For 5% fog, dilute 1 part ALCO
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Re-Use.

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ALCO

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, FARMS 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%
	<hr/> 100.0%

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate

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

NET CONTENTS:

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