

ALCO DIBROM® 8 Emulsive

STORE IN COOL, DRY PLACE.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINERS.

Not for use or storage in or around the home.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:

GROUND APPLICATION—Vegetable and Field Crops—30 to 250 gals. Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals. Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre.)

Where Recommended for AIR APPLICATION—Field Crops—3 to 10 gals.

A short residual contact insecticide for kill of insect and mite adults and larvae present at the time of application.

Begin application at first sign of insects. Repeat as necessary. Do not apply within 4 days of harvest unless otherwise noted. Do not use with highly alkaline materials such as lime or bordeaux.

MIXING DIRECTIONS: Add to spray tank when ¼ to ½ full with agitator running and maintain agitation until spraying is completed.

ALFALFA: Grasshoppers—½ pt. per acre when crop is not more than 12" high. Aphids, Loopers, Leafhoppers, Lygus Bugs, Alfalfa Webworms, Armyworms—1 pt. per acre.

ALFALFA (Seed): Lygus, Mite Suppression (1 application), Mites (2 applications at 7-day intervals), Thrips—½ pt. per acre. Combine with recommended chemicals for residual control. By Air—Use at least 10 gals. water per acre.

BEANS (Dry or Field), SOYBEANS, LIMA BEANS AND PEAS for Processing: Alfalfa Looper, Aphids, Spider Mites, Lygus, Leaf Miner; GREEN BEANS: Aphids, Spider Mites, Loopers, Nitidulids, Leafhoppers—1 pt. per acre in water to cover. 100 gals. per acre is preferable. Large Loopers, Stink Bugs—1½ pts. per acre in water to cover.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS: Imported Cabbageworm, Diamond-Back Caterpillars, Aphids—1 pt. per acre. Looper—2 pts. per acre. May be used 1 day before harvest, except do not apply to kale and collards, within 4 days of harvest.

CELERY: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than ¾ grown. On larger plants use 1½ pts. in 100 to 150 gals. water per acre.

COTTON: Lygus—½ to 1 pt. per acre by air or ground. Leaf Perforator, Fleahoppers, Armyworms, Bollworms, Loopers and For Suppression of Mites—1 pt. per acre by air or ground. Apply at 7 to 10 day intervals while pests persist. FOR HEAVY POPULATION OF LISTED INSECTS—Use ½ pt. per acre by air or ground in control programs with other insecticides registered for use on cotton.

CUCUMBERS, SUMMER SQUASH: Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms—1 pt. per acre in water to cover. Pickleworms, Leaf Miners—1½ pts. per acre in water to cover. By Air—Use minimum of 10 gals. water per acre. May be used up to harvest.

EGGPLANT, PEPPERS: Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leaf Miners, Whitefly—1 pt. per acre. May be used up to 1 day before harvest.

WALNUTS: Aphids—½ to 1 pt. to 10 gals. water. Use up to 10 days of harvest.

GRAPES: Drosophila, Leafhoppers—½ to 2/3 pt. per 100 gals. water. (100 to 130 gals. diluted spray per acre depending on size of vines.) Use only ½ pt. per 100 gals. water on Muscat Varieties. Do not use on Italia varieties as fruit injury may occur. Do not enter vineyards for 24 hours following treatment.

HOPS: Aphids, Spider Mites, Corn Earworm, Hop Looper, Cutworm—1 pt. per acre.

SPINACH, CHARD, TURNIP GREENS: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than ¾ grown. On larger plants, use 1½ pts. in 100 to 150 gals. water per acre. May be used 1 day before harvest.

MELONS (Cantaloupes, Honeydew, Muskmelons, Watermelons), PUMPKINS, WINTER SQUASH: Loopers, Armyworms, Leafhoppers, Spider Mites, Leaf Miners—1 to 2 pts. per acre (200 gals. diluted spray per acre). May be used 1 day before harvest. Do not apply when temperature is over 90°F.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leaf Roller (Tortrix)—1 pt. to 100 gals. water. Thrips (Bloom)—½ pt. per 100 gals. water. Use up to 7 days of harvest (Calif. and Ariz.—Do not apply within 1 day of harvest.) Do not enter citrus groves for 24 hours following treatment.

PEACHES (Western States Only): Lygus, Suppression of Mites, Peach Twig Borer, Oriental Fruit Moth (California Only)—½ pt. to 100 gals. water. To avoid fruit spotting, do not use within 30 days of harvest. Do not apply when temperature is over 90°F. Do not enter orchards for 24 hours following treatment.

RICE: Grasshoppers—½ to ¾ pt. per acre. Apply at first sign of insects. Do not make more than 3 applications. May be used 2 days before harvest.

STRAWBERRIES: Leaf Roller, Spider Mites, Aphids, Omnivorous Leaf Tier, Spittlebugs (Northwest)—1 pt. per acre. May be used 1 day before harvest.

SUGAR BEETS: Spider Mites, Leafhoppers—1 pt. per acre by air or ground. By Air—Use in 1 to 5 gal. water per acre. Do not apply within 5 days of harvest.

TOBACCO: Hornworm—1 pt. to 100 gals. water, using up to 200 gals. diluted spray per acre. Flea Beetles—1 pt. per acre in water to cover. Apply at first signs of insects. Repeat as necessary.

TOMATOES (Field): Fruit Flies (Drosophila)—1 pt. in no less than 40 gals. water per acre with ground sprayer. 7 to 10 gals. by air. Make first application 5 to 7 days before first picking and continue at 5 to 7 day intervals until the day before harvest. (Field and Greenhouse) Tomato Fruit Worm, Hornworms, Leaf Miners, Flea Beetles, Mites—1 pt. in 100 gals. water. Spray plants thoroughly. For Field—Use up to 200 gals. diluted spray per acre. Do not apply when temperature is over 90°F. May be used 1 day before harvest.

FOREST AND SHADE TREES: CONIFERS (Arborvitae, Douglas Fir, Fir, Hemlock, Juniper, Pine, Spruce): Suppression of Two-Spot and Red Spider Mites, Aphids, Spittlebugs, Zimmerman Moths, Juniper Webworms, Tussock Moths, Spruce Budworms, Adult Sierra Fir and Western Hemlock Bark Borers.

BROADLEAF TREES (Ash, Birch, Black Walnut, Box Elder, Dogwood, Elm, Evergreen Pear, Flowering Plum and Quince, Locust, Magnolia, Maple, Oak, Sycamore, Willow): Suppression of Two-Spot and Red Spider Mites, Aphids, Leaf Miners, Thrips, Elm Leaf Beetles, California Oakworms (California only), Spring and Fall Cankerworms, Fall Webworm, Oak Webworm and Tussock Moths—1 pt. in 100 gals. water. Use when infestation is evident, repeat as necessary.

GREENHOUSE, VAPOR TREATMENT

Mealybug—1 fl. oz. per 10,000 cu. ft. 1 pipe on each side and on 1 or more of pipes to 150°F. In steam heated houses, overnight following treatment. When entering treated houses to ventilate. Prot. Do not apply to tomatoes or cucumbers as necessary. Adult Whiteflies—Make 2 overtreatment and direct application to Poinsettias and Dutchman's Pipe may be FRUIT FLIES (Drosophila sp.) in and as as a coarse spray to walls, floors, down piles to be fed to livestock. Avoid contact exposed. Do not spray surfaces which will ADULT MOSQUITO, GNAT, STABLE SWAMPS, WOODLAND, LIVESTOCK, applying this product. It is not necessary recommendations for use limitations near AIRCRAFT: East—Apply 0.8 to 4 fl. oz. Apply 2 to 8 qts. of diluted spray per acre technical Naled per acre.

CORRALS, ADJACENT PASTURES, H. acre. Dilute 1 to 2½ pts. in 10 gals. water. CLOVER MITES, ROACHES, EARWIG flower, shrubs and trees for general pest. GRASSHOPPERS: Rangeland, Field Air air or ground. Young Grasshoppers—½ pt. Apply when hoppers hatch is completed plants on pastures or field areas should not

DANGER: Concentrate may cause blindness or goggles when handling concentrate clothing and flush skin or eyes with also antidotal and may be administered. POUR, SPILL OR STORE NEAR HEAVY Cherries, Liquidambar or Chrysanthemum thoroughly after use.

This product is toxic to fish and wildlife recommended on this label. Do not apply and containers and dispose of wastes by incineration. This product is highly toxic to bees exposed. Service. Container should be disposed of. WHEN CONTAINER IS EMPTY, IMMEDIATELY CONDITIONS OF SALE: 1. Amvac Chemical hereon. Amvac neither makes, nor authorizes representation, express or implied, concerning 2. Critical and unforeseeable factors be limited to, damage to plants and crops although the product is reasonably fit for (except those assumed by Amvac under 1

AM

EPA REG. NO. 5481-165-AA

EPA EST. 5481-CA-1

GENERAL REGULATIONS.

to 3,000 gals. (On Young

alkaline materials such as

nyworms—1 pt. per acre.
ommended chemicals for

BEANS: Aphids, Spider
in water to cover

Aphids—1 pt. per acre.

5 gals. water per acre on

s—1 pt. per acre by air or
in control programs with

worms, Leaf Miners—1½

vest.

½ pt. per 100 gals. water

mist spray—1 pt. in 50 to

, Leaf Miners—1 to 2 pts.

to 100 gals. water. Thrips
es for 24 hours following

to avoid fruit spotting, do

st.
harvest

y at first signs of insects

cation 5 to 7 days before
rs, Flea Beetles, Mites—1
May be used 1 day before

d Spider Mites, Aphids,

Oak, Sycamore, Willow).
Fall Cankerworms, Fall

165-AA

EPA EST. 5481-CA-1

GREENHOUSE, VAPOR TREATMENT OF ROSES; OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs—1 fl. oz. per 10,000 cu. ft. when plants are dry. Apply undiluted on heat pipes (or in open pans on hot plates). Apply continuously or to intermittent sections of pipe on each side and on 1 or more of the pipes through center of each range depending upon width. Application to cold pipes should be followed by immediate re-heating pipes to 160°F. In steam heated houses, close vents for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overnight following treatment. When application is made to hot pipes, wear goggles and approved respirator. Ventilate house before workers re-enter. Wear respirator when entering treated houses to ventilate. Protect hives of bees in cucumber and other houses by covering with plastic or rubber sheet during treatment and until house is ventilated. Do not apply to tomatoes or cucumbers closer than 1 day before harvest. Spider mites (Resistant and Non-Resistant)—Make 3 to 4 treatments at 3 or 4-day intervals. Repeat as necessary. Adult Whiteflies—Make 2 applications at 7 day intervals. Repeat as necessary. Aphids—Apply when aphids appear. Repeat as necessary. **WARNING**—Avoid overtreatment and direct application to plants as injury may result. White Butterfly and Golden Rapture roses, Pink Champagne Chrysanthemums, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by DIBROM vapor.

FRUIT FLIES (Drosophila sp.) in and around Food Processing Plants, Loading Docks, Cull Piles and Refuse Areas, Cider Mills—Use 2 oz. in 2½ gals. water (5 pts. to 100 gals.) as a coarse spray to walls, floors, doorways, window, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Do not apply to cull fruit or refuse piles to be fed to livestock. Avoid contamination of feeds, foodstuffs and food processing machinery. Do not apply when plants are in operation or when foods are present or exposed. Do not spray surfaces which will come into contact with foods. Cover food containers during spraying.

ADULT MOSQUITO, GNAT, STABLEFLY (Dog Flies), AND HOUSEFLY CONTROL—RESIDENTIAL AREAS, CROPS LISTED ON LABEL, TIDAL MARSHES, SWAMPS, WOODLAND, LIVESTOCK PASTURES, FEED LOTS, AND PASTURES INCLUDING DAIRY CATTLE: Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings and dairy barns. Make applications during peak of infestation and repeat as necessary. See crop recommendations for use limitations near harvest. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. **AIRCRAFT: East**—Apply 0.8 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **West**—Apply 1.6 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 lb. technical Naled per acre.

CORRALS, ADJACENT PASTURES, HOLDING PENS (Dairy and Beef Cattle, Hogs, Sheep, Horses): Houseflies, Mosquitoes—Airplane Application—Use 1.6 to 4 fl. oz. per acre. Dilute 1 to 2½ pts. in 10 gals. water. Apply 1 gal. diluted spray per acre. Apply over areas with animal present.

CLOVER MITES, ROACHES, EARWIGS AND LEAFHOPPERS Outside Dwellings and in Lawns: Use 1 fl. oz. in 3 gals. water. Apply to turf and to soil surfaces around flower, shrubs and trees for general pest cleanup.

GRASSHOPPERS: Rangeland, Field Areas (crops listed on label) and Pastures including dairy pastures; Range Caterpillars on Rangeland and Pastures—½ to ¾ pt. per acre by air or ground. **Young Grasshoppers**—½ pt. per acre by air or ground. **Armyworms (except rice)**—1 pt. per acre by air or ground. **By Air**—Use in 1 to 5 gals. water per acre. Apply when hoppers hatch is completed. Repeat as necessary. Animals may be present during treatment. See crop recommendations for use limitations near harvest. Forage plants on pastures or field areas should not be cut for hay to be sold or shipped interstate within 4 days of application.

DANGER: Concentrate may cause skin damage. Do not get on skin, eyes or clothing. Causes eye damage. Use waterproof gloves and face shield or goggles when handling concentrate. Harmful if swallowed. Avoid breathing spray mist. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention. NOTE TO PHYSICIANS: Atropine is antidotal. 2 PAM is also antidotal and may be administered in conjunction with atropine. Avoid contamination of feed, foodstuffs and drinking water. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Keep children and animals off treated areas. Do not spray on Nectarines, ornamental Cherries, Liquidambar or Chrysanthemums as injury may occur. Do not store diluted spray. Make new dilution for each use. Wash equipment thoroughly after use.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply when weather conditions favor drift of spray from areas treated. Rinse equipment and containers and dispose of wastes by burying in noncrop lands away from water supplies.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Container should be disposed of by breaking and burying with wastes.

WHEN CONTAINER IS EMPTY, IMMEDIATELY WASH THOROUGHLY AND DESTROY. NEVER RE-USE.

CONDITIONS OF SALE: 1. Amvac Chemical Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Amvac neither makes, nor authorizes any agent or representative to make, any other other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Amvac's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Amvac under 1. above) resulting from handling, storage, and use of this material.

AMVAC CHEMICAL CORPORATION, Los Angeles, Calif. 90023

DIBROM is a registered trademark of Chevron Chemical Company.

0774

ALCO

DIBROM[®] 8 Emulsive

Naled Insecticide

Active Ingredients:	By Wt.
*Naled	58.0%

Aromatic Petroleum Derivative Solvent	27.5%
--	-------

Inert Ingredients	14.5%
*1,2-dibromo-2,2-dichloroethyl di- methyl phosphate.	

Contains 8 pounds technical naled per
gallon equivalent to 7.2 pounds
naled. U.S. Pat. No. 2,971,882

READ THE LABEL

DANGER: Keep out of reach of children.
See back panel for additional cautions.

NET CONTENTS. ONE GALLON

...ids. Leafrollers,
...tinent sections of
...mediately heating
...may remain closed
...or respirator when
...ouse is ventilated.
...intervals. Repeat
...ARNING—Avoid
...n Wandering Jew.

...pts. to 100 gals.)
...ull fruit or refuse
...ods are present or

...DAL MARSHES,
...ne Agency before
...cessary. See crop
...p producing areas.
...luted with water.
...ply 0.1 to 0.25 lb.

...1.6 to 4 fl. oz. per
...il surfaces around

...½ pt. per acre by
...ls. water per acre.
...er harvest. Forage

...and face shield
...e contaminated
...otal. 2 PAM is
...DO NOT USE,
...es, ornamental
...ash equipment

...t application rates
...Rinse equipment

...cultural Extension

...for use as directed
...TY, guarantee or

...clude, but are not
...th risks occur even
...risks and liability

0774