

ENVIRONMENTAL AND DISPOSAL CAUTIONS

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 recommended on this label. Do not apply where these are important resources. Do not apply where run-off 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. Apply this product only as specified on this label.

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.

Do not re-use empty 1 gallon container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. STORE IN A COOL, DRY PLACE. NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

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. Do not use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur. Corrosion of iron equipment may occur if not cleaned out following use of Dibrom 8 Miscible.

READ ENTIRE LABEL: Use strictly in accordance with cautions, warnings and directions, and with applicable state and federal regulations. Observe days interval between last application and harvest indicated by number in () following crop. Apply as a conventional diluted spray or as a concentrate spray according to directions for control of both sucking and chewing insects listed. **Ground Application (unless otherwise noted) - Field Crops** - Use designated amount in 50 to 150 gals. of water per acre as a thorough coverage spray or in 20 to 30 gals. of water per acre for concentrate spray equipment. Begin application at first sign of insects. Repeat as necessary. Do not use with highly alkaline materials such as lime or bordeaux.

MIXING DIRECTIONS: Add to spray tank when 1/4 to 1/2 full with agitator running and maintain agitation until spraying is completed.

105W

MANUFACTURED IN U.S.A. BY

AGRICULTURAL CHEMICAL DIVISION

MIDDLEPORT, N.Y.
FRESNO, CA

YAKIMA, WA
RICHMOND, CA

ACCEPTED
JAN 16 1976
Under the Federal Insecticide, Fungicide, and Rodenticide Act,
as amended, for the purpose of
registered under 274-1529-7
EPA Reg

CODE
497

Net Contents
1 Gallon

DIBROM® 8 MISCIBLE

Naled Insecticide

EPA Reg. No. 274-1529 ZB

ACTIVE INGREDIENTS:

Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)

Xylene

INERT INGREDIENTS:

BY WT.

58%

20%

22%

100%

Contains 8 pounds technical naled per gallon equivalent to 7.2 pounds naled.

U. S. Pat. No. 2,971,882

D A N G E R

KEEP OUT OF REACH OF CHILDREN.

SEE BACK PANEL FOR ADDITIONAL CAUTIONS

Harmful or fatal if swallowed. Corrosive. Causes eye damage and skin damage. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Use rubber gloves and face shield or goggles when handling. Avoid contamination of food.

FOR EMERGENCY ASSISTANCE CALL 716-735-3765

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before re-use. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contravindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Dibrom is Chevron Chemical Company's registered trademark.

ALFALFA (4); Field: Grasshopper (including Cabbage Loopers) Bugs and Thrips - Use 1/2 Mites - Use 1/2 pt. per acre. Apply in a minimum of 20 preferred on seed alfalfa).

BEANS (Dry, Lima, Green) (Spider Mites, Lygus Bugs, Le per acre is preferable. Large

BROCCOLI (1), CABBAGE (1), Cabbageworm, Diamondback

COTTON (4): Lygus Bugs, C and for Suppression of Mite pests persist. For Heavy Ins ground plus residual materia

CUCUMBERS (0), SUMMER S Armyworms - 1 pt. per acre cover. Aerial Applications -

EGGPLANT (1), PEPPERS (1) 1 pt. per acre.

GRAPES (4): Phrosophila, Le spray per acre depending i Do not use on Italia varietie

HOPS (4): Aphids, Spider M

CELERY (4), LETTUCE (1), Armyworms, Saltmarsh Cater 1 pt. in 50 to 75 gals. wat 100 to 150 gals. water per

CANTALOUPE (1), HONEY SQUASH (1): Loopers (includ 1 to 2 pts. per acre (200 ga of water per acre. By air us

temperature is over 90° F. from spray application.

ORANGES, LEMONS, GRAPE worms, Leafroller (Tortrix) - . pt. per 100 gals. of water. within 7 days of harvest. (C

PEACHES (Western States O California Only) - 3/4 pt. harvest. Do not apply when

RICE (2): Grasshoppers - 1/2 to 5 gals. water per acre. A

STRAWBERRIES (1): Leafrolle twospotted Spider Mites an

SUGAR BEETS (5): Spider Mi - Use in 1 to 5 gals. water

TOBACCO: Hornworm - 1 beetles - 1 pt. per acre in

Net Contents
1 Gallon

CIBI

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58%
20%
22%
100%

DREN.

Damage. Do not get in eyes,
and face shield or goggles

water for at least 15 minutes.
re-use. If swallowed, drink
these are not available, drink

of gastric lavage. Measures
needed.

ALFALFA (4); Field: Grasshoppers - Use $\frac{3}{4}$ pt. per acre before crop is 12 inches high. Aphids, Loopers (including Cabbage Loopers), Leafhoppers, Lygus Bugs, Armyworms - Use 1 pt. per acre. **Seed:** Lygus Bugs and Thrips - Use $\frac{1}{2}$ pt. per acre. Combine with recommended chemicals for residual control. Mites - Use $\frac{1}{2}$ pt. per acre. Apply once for suppression of population, or twice 7 days apart for control. Apply in a minimum of 20 gals. of water by ground or 5 gals. of water by air (10 gals. of water is preferred on seed alfalfa).

BEANS (Dry, Lima, Green) (4), SOYBEANS (4), AND PEAS (for Processing) (4): Alfalfa Loopers, Aphids, Spider Mites, Lygus Bugs, Leafminer, Nitidulids, Leafhoppers - 1 pt. per acre in water to cover. 100 gals. per acre is preferable. Large Loopers, Stink Bugs - $1\frac{1}{2}$ pts. per acre in water to cover.

BROCCOLI (1), CABBAGE (1), CAULIFLOWER (1), BRUSSELS SPROUTS (1), KALE (4), COLLARDS (4): Imported Cabbageworm, Diamondback Moth Larvae, Aphids - Use 1 pt. per acre. Cabbage Looper - 2 pts. per acre.

COTTON (4): Lygus Bugs, Cotton Leafperforator, Fleahoppers, Armyworms, Bollworms, Cabbage 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 Insect or Egg Population of Any Listed Pest - Use $\frac{1}{2}$ pt. per acre by air or ground plus residual materials for best results. Air Application - Use 1 to 5 gals. water per acre.

CUCUMBERS (0), SUMMER SQUASH (0): Cucumber Beetles, Aphids, Spider Mites, Cabbage Loopers, Thrips, Armyworms - 1 pt. per acre in water to cover. Pickleworm, Leafminers - $1\frac{1}{2}$ pts. per acre in water to cover. Aerial Applications - Use minimum of 10 gals. water per acre.

EGGPLANT (1), PEPPERS (1): Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leafminers, Whitefly - 1 pt. per acre.

GRAPES (4): Drosophila, Leafhoppers - $\frac{1}{2}$ to $\frac{2}{3}$ pt. per 100 gals. water. (100 to 130 gals. diluted spray per acre depending on size of vines). Use only $\frac{1}{2}$ pt. per 100 gals. water on Muscat varieties. Do not use on Italia varieties as fruit injury may occur.

HOPS (4): Aphids, Spider Mites, Corn Earworm, Hop Looper, Cutworm - 1 pt. per acre.

CELERY (4), LETTUCE (1), SPINACH (1), CHARD (1), TURNIP GREENS (1): Aphids, Cabbage Loopers, Armyworms, Saltmarsh Caterpillars, Leafminers - Use ground application only with fine mist spray - 1 pt. in 50 to 75 gals. water per acre on plants less than $\frac{3}{4}$ grown. On larger plants use $1\frac{1}{2}$ pts. in 100 to 150 gals. water per acre. **Concentrate:** Use 1 pt. in 20 to 30 gals. of water per acre.

CANTALOUPE (1), HONEYDEW (1), MUSKMELONS (1), WATERMELONS (1), PUMPKINS (1), WINTER SQUASH (1): Loopers (including Cabbage Loopers), Armyworms, Leafhoppers, Spider Mites, Leafminers - 1 to 2 pts. per acre (200 gals. diluted spray per acre). **Concentrate:** By ground use 1 pt. in 20 to 30 gals. of water per acre. By air use 1 to 2 pts. in a minimum of 5 gals. of water per acre. Do not apply when temperature is over 90° F. On Honeydew and smooth skin melons, use Dibrom 4 Dust to prevent injury from spray application.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leafroller (Tortrix) - Ground application - 1 pt. to 100 gals. of water. Thrips (Bloom) - Use $\frac{1}{2}$ pt. per 100 gals. of water. Air application - Use 1 pt. per acre in 15 to 20 gals. of water. Do not apply within 7 days of harvest. (California and Arizona - Do not apply within 1 day of harvest.)

PEACHES (Western States Only): Lygus Bugs, Suppression of Mites, Peach Twig Borer, Oriental Fruit Moth (California Only) - $\frac{3}{4}$ pt. in 100 gals. water. To avoid fruit spotting, do not use within 30 days of harvest. Do not apply where temperature is over 90° F.

RICE (2): Grasshoppers - $\frac{1}{2}$ to $\frac{3}{4}$ pt. per acre by air or ground application. Air Application - Use in 1 to 5 gals. water per acre. Apply at first signs of insects. Do not make more than 3 applications.

STRAWBERRIES (1): Leafroller, Spider Mites, Aphids, Omnivorous Leafhopper - Use 1 pt. per acre. **Dormant:** Unspotted Spider Mites and Aphids - 1 gal. of Supreme Oil may be added per 100 gals. of spray mix.

SUGAR BEETS (5): Spider Mites, Leafhoppers - 1 pt. per acre by air or ground application. Air Application - Use in 1 to 5 gals. water per acre.

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 (1): Field Fruit Flies (Drosophila) - 1 pt. in 20 to 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. Field and Greenhouse: Tomato Fruitworm, Hornworms, Leafminers, 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.

WALNUTS (10): Aphids - $\frac{1}{2}$ to 1 pt. per 100 gals. water.

ROSES (Field Grown): Aphids, Mites, Tent Caterpillar, Thrips, Leafhoppers - 1 pt. to 100 gals. water. **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 immediately 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 treatment.

FRUIT FLIES (Drosophila sp.): In and around Food Processing Plants, Loading Docks, Cull Piles and Refuse Areas, Cider Mills - Use 2 ozs. in 2 gals. water (5 pts. to 100 gals. Apply as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as long as necessary to maintain control. 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 periods. Do not use in edible products areas of food processing plants.

RESIDENTIAL AREAS, TIDAL MARSHES, SWAMPS, WOODLAND FEED LOTS: Mosquito Adults, Gnat, Stable Fly and Housefly - Make applications during peak of infestation and repeat as necessary to maintain control. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. It is not necessary to avoid farm buildings and dairy barns.

AIRCRAFT: East - Apply 0.8 to 4 fl. ozs. in 2 to 8 qts. of water per acre. **West -** Apply 1.6 to 4 fl. ozs. in 2 to 8 qts. of water per acre. **Mist Blower:** Use 3 to 5 qts. per 100 gals. of water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 pound of technical naled per acre.

CORRALS, HOLDING PENS (Dairy and Beef Cattle, Hogs, Sheep, Horses): Houseflies, Mosquitoes - **Airplane Application -** Use 1.6 to 4 fl. ozs. per acre. Dilute 1 to $2\frac{1}{2}$ pts. in 10 gals. water. Apply 1 gal. diluted spray per acre. Apply over areas with animals present. Repeat as necessary.

Dealers should sell in original packages only.

WARRANTY: FMC warrants that this product, as of the time of sale by FMC, (1) conforms to the ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. EXCEPT AS SO WARRANTED THE PRODUCT IS SOLD AS IS. FMC MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.