

279-1529

7-1-71

ACCEPTED

279-1529

10/1

JUL 1 1971

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. SUBJECT TO ATTACHED COMMENTS.

Code 497

CODE 497



1 Gallon Net

DIBROM® 8 E.C.

Naled Insecticide

Table with 2 columns: Active Ingredients, Inert Ingredients, and By Wt. (58%, 20%, 22%, 100%)

*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate Contains 8 pounds technical naled per gallon equivalent to 7.2 pounds naled.

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

CAUTION

KEEP OUT OF REACH OF CHILDREN.

SEE BACK PANEL FOR ADDITIONAL CAUTIONS.

Harmful if swallowed. Concentrate may cause skin damage. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Use waterproof gloves and face shield or goggles when handling concentrate. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention. Avoid storage near feed and food products.

NIAGARA CHEMICAL DIVISION FMC CORPORATION MIDDLEPORT, NEW YORK

041 Dibrom is Chevron Chemical Company's registered trademark

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

PEACHES (Western States Only): Lygus, Suppression of Mites, Peach Twig Borer, Oriental Fruit Moth (California Only)-3/4 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.

RICE (2): Grasshoppers-1/2 to 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.

ROSES (Field Grown): Aphids, Mites, Tent Caterpillars, Thrips, Leaf Rollers-1 pt. to 100 gals. water. STRAWBERRIES (1): Leaf Roller, Spider Mites, Aphids, Omnivorous Leaf Tier, Spittlebugs (North-west)-1 pt. per acre.

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 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. (Field and Greenhouse): Tomato Fruit Worm, 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.

GREENHOUSE, VAPOR TREATMENT OF ROSES; OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs- fluid ounce 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 end 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 2 to 4 treatments at 3 or 4-day intervals. Repeat as necessary. Adult Whiteflies-Make 2 applications at 7-day intervals. Repeat as necessary. Aphid-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 and Wineries-Use 2 ounces in 2-1/2 gals. water (5 pints 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.

STORE IN A COOL, DRY PLACE.

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 suckling and chewing insects listed.

For Ground Application (unless otherwise noted)-Field Crops-Use designated amount in 50 to 150 gallons water per acre as a thorough coverage spray. 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. ALFALFA (4): Grasshoppers - 3/4 pt. per acre when crop is not more than 12" high. Aphids, Loopers, Leafhoppers, Lygus Bugs, Alfalfa Webworm, Armyworms - 1 pt. per acre. ALFALFA (Seed): Lygus, Mite Suppression - (1 application), Mites - (2 applications at 7 day intervals), Thrips - 1/2 pt. per acre. Combine with recommended chemicals for residual control. Aerial Applications - Use at least 10 gals. water per acre.

BEANS (4) (Dry or Field), SOYBEANS (4), LIMA BEANS (4), AND PEAS (4), for Processing: Alfalfa Looper, Aphids, Spider Mites, Lygus, Leaf Miner; GREEN BEANS (4): Aphids, Spider Mites, Loopers, Nitridulids, Leafhoppers-1 pt. per acre in water to cover, 100 gals. per acre is preferable. Large Loopers, Slink Bugs-1 1/2 pts. per acre in water to cover.

BROCCOLI (1), CABBAGE (1), CAULIFLOWER (1), BRUSSELS SPROUTS (1), KALE (4), COLLARDS (4): Imported Cabbageworm, Diamond Back Caterpillars, Aphids-1 pt. per acre. Looper-2 pts. per acre.

COTTON (4): Lygus, 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 Insect or Egg Population of Any Listed Pest-Use 1/2 pt. per acre by air or ground plus residual materials for best results. Air Applications-Use in 1 to 5 gals. water per acre.

CUCUMBERS (0), SUMMER SQUASH (0): Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms-1 pt. per acre in water to cover. Pickleworm, Leaf Miners-1 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, Leaf Miners, Whitefly-1 pt. per acre.

GRAPES (4): Drosophila, Leafhoppers-1/2 to 2/3 pt. per 100 gals. water. (100 to 130 gals. diluted spray per acre depending on size of vines). Use only 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.

LETTUCE (1), CELERY (4), SPINACH (1), CHARD (1), TURNIP GREENS (1): 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 3/4 grown. On larger plants use 1 1/2 pts. in 100 to 150 gals. water per acre.

MELONS (1), (Cantaloupes, Honeydew, Muskmelons, Watermelons), PUMPKINS (1), WINTER SQUASH (1): Caterpillars, Loopers, Armyworms, Leafhoppers, Spider Mites, Leafminers-1 to 2 pts. per acre (200 gals. diluted spray per acre). Do not apply when temperature is over 90° F. On Honeydew and smooth skin melons, use Niagara Dibrom 4 Dust to prevent injury from spray application.

WALNUTS (10): Aphids-1/2 to 1 pt. per 100 gals. water.

RESIDENTIAL AREAS, TIDAL MARSHES, SWAMPS, WOODLAND, LIVESTOCK PASTURES, FEED LOTS, PASTURES INCLUDING DAIRY CATTLE: Mosquito Adults, Gnat, Stablefly (dog flies) and Housefly-Make applications during peak of infestation and repeat as necessary to maintain control. Forage on pastures should not be cut for hay within 4 days of application. 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. AIR-CRAFT: East-Apply 0.8 to 4 fluid ounces in 2 to 8 quarts of water per acre. West-Apply 1.6 to 4 fluid ounces in 2 to 8 quarts of water per acre. Mist Blower: Use 3 to 5 quarts per 100 gallons of water. Calculate equipment (rate of travel and output) to apply 0.1 to 0.25 pound of 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. ozs. per acre. Dilute 1 to 2 1/2 pts. in 10 gals. water. Apply 1 gal. diluted spray per acre. Apply over areas with animals present. Repeat as necessary.

RANGELAND, PASTURES (including dairy pastures): Range Caterpillars-Use 1/2 to 3/4 pint per acre. Young Grasshoppers-1/2 pint per acre. Armyworms-1 pint per acre. Apply when the insects appear and repeat as necessary to maintain control. For grasshoppers apply when egg-hatch is completed and repeat as necessary to maintain control. Applications may be made by ground or air. Apply in sufficient water for good distribution. For air application, use recommended amount in 1 or more gallons water per acre. Animals may be present during treatment. Forage should not be cut for hay within 4 days of application.

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

Birds feeding on treated areas may be killed. Do not apply where runoff is likely to occur. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

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.

Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed of by smashing and burying with wastes.

Dealers Should Sell in Original Packages Only.

DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROPS OR NON-CROP AREAS OR 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.

TERMS OF SALE OR USE: On purchase or use of this product buyer and user agree to the following conditions:

WARRANTY: Niagara warrants that this product, as of the time of sale by Niagara, (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. NIAGARA MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

DAMAGES: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damage. Notice of any claim must be reported to Niagara within 10 days of use by buyer or user, killing which buyer or user waives any claim for such damages.

EXCUSE FROM NON-CONTROLLABLE CONDITIONS: Because of certain critical conditions created or incurred by buyer or user or other which Niagara has no control, buyer and user as a condition of purchase or use, assume responsibility for and release Niagara from, liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.