SIM-CHEM

ACCEPTED
MAR 27 1974
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the product named above. EPA Reg. No. 11682-17

SIM-CHEM
DIBROM® 8EC
NALED INSECTICIDE

DIRECTIONS FOR USE

[illegible] DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:

GROUND APPLICATION: Vegetable and Field Crops [illegible] Cotton [illegible] to 20 gals. Deciduous Fruit Crops [illegible] 50 to 800 gals. Citrus [illegible] to 3,000 [illegible] Young Fruit Plantings [illegible]

[illegible] recommended for AIR APPLICATION: Field Crops [illegible] Apply [illegible] the time of application [illegible] Do not apply [illegible] within 4 days of harvest unless otherwise noted. Do not [illegible] alkaline materials such as lime or bordeaux.

MIXING DIRECTIONS: Add to spray tank [illegible] keeping and maintain agitation until spraying is completed.

ALFALFA: [illegible] Loopers, Leafworms, Lygus Bugs, Alfalfa Webworms, Armyworms [illegible] pt. per acre. ALFALFA (Seed): Lygus, Mites Suppression [illegible] application) [illegible] (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. [illegible]

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, Mirididds, Leafhoppers — ½ 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. [illegible]

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS: Imported Cabbageworm, Diamond-Back Caterpillars, Aphids — [illegible] 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. [illegible]

CELERY: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners — Use by air application only with fine mist spray — 1 pt. in 70 to 75 gals. [illegible] per acre and on plants [illegible] grown. On larger plants use 1½ pts. in 100 to 150 gals. water per a[illegible]

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

CUCUMBERS, SUMMER SQUASH: Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms — ½ 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. [illegible] used up to harvest.

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

WALNUTS: Aphids — [illegible] pt. in 100 gals. water. Use up to 10 days of harvest.

GRAPES: Drosophila, [illegible]hoppers — ½ to ¾ pt. per 100 gals. water (100 to 130 gals. diluted spray per acre depending on size of vine). 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 Earworms, Hop Loopers, Cutworms — 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.

DANGER: Concentrate causes eye and skin damage. Do not get on skin, eyes or clothing. Use waterproof gloves and face shield or goggles when handling concentrate. May be fatal or 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. 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, Liquidamber or Chrysanthemums as injury may occur. Do not store diluted spray. Make new dilution for each use. Wash equipment thoroughly after use.

NOTE TO PHYSICIAN: Atropine is antidotal. Mucosal damage may contraindicate the use of gastric lavage. **First Aid:** If swallowed, drink promptly a large quantity of milk, egg white, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

This product is toxic to fish, shrimp, crab, crus and pure wildlife. Birds feeding on treated crops may be killed. 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 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. 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. Containers should be disposed of by breaking and burying with wastes.

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

ACTIVE INGREDIENTS	By Wt.
*Naled	58%
Xylene	20%
INERT INGREDIENTS	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

DIBROM® is a Registered Trademark of Chevron Chemical Company, Ortho Division, San Francisco, California 94119 EPA Est. No. 08917ID01 EPA REG. NO. 11682-17

DANGER **Keep Out of Reach of Children**

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
SEE OTHER PRECAUTIONS ON THE BACK/SIDE PANELS

SIM-CHEM
MINERALS AND CHEMICALS DIVISION J. R. SIMPLOT COMPANY
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DIRECTIONS FOR USE — Continued

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 [illegible] day of harvest.) Do not enter citrus groves for 24 hours following treatment.

PEACHES (Western States Only): [illegible] of Mites, Peach Twig Borer, Oriental Fruit Moth (Calif. Only) [illegible] pt. [illegible] 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.

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

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

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

TOMATOES (Field): Fruit Flies (Drosophila) — [illegible] 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 — [illegible] 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, Zimmerman Moths, Juniper Webworms, Tussock Moths, Spruce Budworms, Adult Sierra Fir and Western Hemlock Bark Borers.

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

GREENHOUSE, VAPOR TREATMENT OF ROSES, OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs — 1 fluid ounce per 20,000 cu. ft. when plants are dry. Apply undiluted on heat pipes (or in [illegible] on hot plates). Apply continuously or to intermittent sections of pipe [illegible] 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 [illegible] after pipes are hot. With hot water systems, close house for at least 3 [illegible] 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 Deutzhemen's Pipe may be injured by DIBROM vapor.

FRUIT FLIES (Drosophila sp.) in and around Food Processing Plants, Landing Docks, Cull Piles and Refuse Areas, Cider Mills — Use 2 ounces in 2½ gals. water (5 pts. to 100 gals.) as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Foods should be removed or covered during treatment. All food processing surfaces should be covered before using. When using the product in these areas, apply only when the facility is not in operation.

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. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Application of this product to any body of water is prohibited. **AIRCRAFT:** East — Apply 0.8 to 4 fluid ounces per acre diluted with water. Apply 2 to 8 quarts of diluted spray per acre. West — Apply 1.6 to 4 fluid ounces per acre diluted with water. Apply 2 to 8 quarts of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 quarts per 100 gals. water. Calibrate equipment *(rate of travel and output) to apply 0.1 to 0.25 pounds 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 fluid ounces per acre. Dilute 1 to 2½ pts. in 10 gals. water. Apply 1 gal. diluted spray per acre. Apply over areas with animals present.

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

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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