5481-165 12 4 90 PM 16

NALED 8 INSECTICIDE

ACCEPTED

For Control Of Insects On VEGETABLES, COTTON, GRAPES, CITRUS CROPS LISTED, STRAWBERRIES, SUGAR BEETS, TOBACCO, WALNUTS
For ORNAMENTALS, FOREST & SHADE TREES, GREENHOUSE, MOSQUITOES, FRUIT FLIES, HOUSE FLIES, GNATS, STABLE FLIES

EPA Reg. No. 5481-165

ACTIVE INGREDIENT	
*NALED	42.0%
INERT INGREDIENTS	58.0%
Total	100.0%

*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate

Contains 8 pounds of Technical Naled per Gal. on Equivalent to 7.2 pounds naled

KEEP OUT OF REACH OF CHILDREN
DANGER-PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles no use este producto hasta que la etiqueta haya sido explicada ampliamente.

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving one tablespoon of salt in a glass of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. IF IN EYES: Flush eyes with plenty of water. Get medical attention immediately. IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Get medical attention immediately. IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention immediately. NOTE TO PHYSICIAN: Naled is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal. Treat as for organophosphate poisoning. Delayed damage has occurred in gastric lavage is indicated. Should be performed cautiously.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive. Causes irreversible eye and skin damage. Do not get in eyes, on skin or on clothing. May be fatal if swallowed or absorbed through the skin. May cause allergic skin reaction. After handling, wash thoroughly. Wear protective clothing, chemical resistant gloves, apron, eyeshields, chemical goggles and face shield and a NIOSH/MSHA approved respirator. Do not breathe vapor or spray mist. Keep children and animals off treated areas. Wash thoroughly after handling. Launder contaminated clothing.

RE-ENTRY AND FARM WORKER SAFETY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas prior to 24 hours after application without protective clothing. Because certain waste may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in treated areas or in an area to be treated with this product. When oral warnings are given, warnings shall be given in a language understandable by workers. Written warnings must include the following: DANGER Area treated with NALED 8 INSECTICIDE on (date). Do not enter without appropriate protective clothing prior to 24 hours after application. In case of accidental exposure, refer to STATEMENTS OF PRACTICAL TREATMENT or other precautionary statements on the NALED 8 product label.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish, shrimp, crab, oyster, and other wildlife. Avoid contamination of ponds, streams, bodies of water and estuaries. Shrimp and crab may be killed at application rates as low as [illegible]. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. The product is highly toxic to bees exposed to treated areas. Do not apply to flowering crops or crops. Protective information may be obtained from [illegible] Cooperative Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, spray near heat or open flame.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5481-165 EPA ES. NO. 5481-CA-1

NET CONTENTS 5 GALLON

AMVAC CHEMICAL CORPORATION
4100 E. WASHINGTON BLVD. - LOS ANGELES, CA 90023

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not use this product through any type of irrigation system.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. STORAGE: Store product in original container in a cool, dry place out of reach of children. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

USE DESIGNATED AMOUNT OF PRODUCT IN THE RECOMMENDED GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED. GROUND APPLICATION: Vegetable and Field Crops - 30 to 250 gals. water. Citrus - 200 to 300 gals. (individual). Fruit Crops - 80 to 800 gals. Citrus - 400 to 3000 gals. (ON YOUNG FRUIT PLANTINGS use a minimum of 15 gals. water per acre). CONCENTRATE SPRAY EQUIPMENT: Vegetable and Field Crops - unless otherwise noted, use recommended amount of product in 20 to 30 gals. water per acre. Oranges, Lemons, Grapefruit, Tangerines - unless otherwise noted, use recommended amount in a minimum of 100 gals. water per acre. Where recommended for AIR APPLICATION: FIELD CROPS - 5 to 15 gals. water per acre.

A short residual contact insecticide for all life stages and mite adults and larvae present at time of application. In general, use lower recommended rate for light insect infestations, the higher rate for heavy insect infestations.

WHEN TO USE

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 phosphorus substances such as malathion or parathion. Do not mix with other chemicals. Synergism of Chlorpyrifos-methyl is possible.

MIXING DIRECTIONS

Add to spray tank when 1/4 to 1/2 full with agitation running and maintain agitation until spraying is completed. Make new solution for each use. Wash metal equipment thoroughly after use to avoid corrosion.

ALMONDS

Peach Twig Borer - Apply only once during the dormant or delayed dormant period. Apply 1 pt. in combination with 1 1/2 to 2 gals. of supreme type oil or 2 to 3 gals. dormant oil spray per 100 gals. water in high pressure spray equipment. Thorough coverage is required. Observe all spray precautions.

BEANS, LIMA BEANS

BEANS, LIMA BEANS: Dry Farm, BEANS, LIMA BEANS & PEAS: Succulent Farm: Aphids, Loopers, Aphids, Spider Mites, Leaf Miner, GREEN BEANS: Aphids, Spider Mites, Loopers, Mexican Bean Beetle, Leafhoppers - 1 pt. per acre by air or ground. AIR - use 10 gals. water per acre. GROUND - use enough water to cover. 100 gals. per acre is generally used. Large Loopers, Stinkbugs - 1 1/2 pts. / acre by ground. Enough water to cover. Forest treatment as necessary. Do not apply within 1 day of harvest. Do not feed treated vines. See Re-Entry Statement.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS

Imported Cabbage Worm, Diamond Back Caterpillars, Aphids - 1 pt. per acre. Loopers - 1 pts. per acre. Do not apply within 1 day of harvest.

CELERY

Aphids, Loopers, Armyworms, Leaf Miner, Caterpillars, Leaf Miners - GROUND APPLICATION: Use the rate of spray 1 pt. in 50 to 75 gals. water per acre on plants less than 24 inches. On larger plants use 1 1/2 pts. in 100 to 150 gals. water per acre. Do not apply within 1 day of harvest. CONCENTRATE SPRAYER - use 1 pt. per acre. Do not use within 1 day of harvest.

COTTON

Loopers - 1 1/2 to 1 pt. / acre by air or ground. Leaf Perforator, Fleahoppers, Aphids, Bollworm & Loopers, and Mixed Infestations of Mites - 1 pt. per acre in 5 to 15 gals. of water per acre by AIR APPLICATION. Use 20 to 100 gals. of water per acre GROUND APPLICATION. Apply at 1 to 10 day intervals where pests persist. For heavy infestations of mites, rates up to 2 pt. per acre by air or ground in combine programs with other insecticides or miticides for use on cotton. Do not apply after first bolls open. Do not graze livestock in treated fields.

GRAPES

(Ground Use Only): Grasshoppers, 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 1/3 pt. per 100 gals. water on Muscat varieties. NOTE: Do not use after first bloom terms on grapes for fresh fruit and cannery markets as fruit russet. Do not enter vineyards for 24 hours following treatment. Do not apply within 1 day of harvest. AIRBLAST APPLICATION (California Only): 1 pt. in 20 to 30 gals. water per acre. Pre-bloom - Overwintering Leafhoppers, Thrips, Post bloom - Drosophila, Leafhoppers. See Re-Entry Statement.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES

Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leaf Roller (Florida) GROUND - 1 pt. to 100 gals. water. Thrips (bloom) GROUND - 1/2 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. See Re-Entry Statement.

CALIFORNIA and ARIZONA ONLY: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leaf Rollers, (Tiny) Thrips (bloom) - CONCENTRATE SPRAYER - 1 to 2 pts. per acre. Do not exceed 2 pts. naled 8 insecticide per acre. AIR APPLICATION - Thrips (bloom) - 1 pt. per acre in 15 to 20 gals. water. Orange Tortrix - 1 to 2 pts. per acre in 15 to 20 gals. water. Do not apply within 1 day of harvest. Do not apply when bees are active in field. Do not enter citrus groves for 24 hours following treatment. CAUTION: Where air application is used, thorough coverage of foliage is essential for adequate insect control. Coverage of the upper portion of trees only, will result in poor insect control in the lower part of trees. See Re-Entry Statement.

SAFFLOWER

(California and Arizona Only): Aphids, Thrips, Lygus - 3/4 pt. per acre in 3 to 10 gals. of mix water by AIR APPLICATION. Apply at first sign of insects. Repeat as necessary. Do not apply within 30 days of harvest.

STRAWBERRIES

Leaf Rollers, Spider Mites, Cankerworm, Leaf Tier, Spittle Bugs, Aphids, Thrips, Lygus - 1 pt. per acre. GROUND APPLICATION - use 125 to 300 gals. water per acre. By AIR use 10 to 20 gals. water per acre. May be used 1 day before harvest. DORMANT ONLY - Two Spotted Mites, Aphids. GROUND APPLICATION - 1 pt. per acre. 1 gal. Supreme type spray oil may be added per 100 gals. spray mix. See Re-Entry Statement.

SUGAR BEETS

Spider Mites, Leafhoppers - 1 pt. per acre by AIR or GROUND. By AIR - use 1 to 5 gals. water per acre. Do not apply within 2 days of harvest. Do not feed sugar beet tops.

TOBACCO

Hornworm - 1 pt. in 100 gals. water using up to 200 gals. diluted spray per acre. Fleas Beetles - 1 pt. per acre in water to cover. Apply at first sign of insects. Repeat as necessary. See Re-Entry Statement.

WALNUTS

Aphids, Red-Humped Caterpillar - GROUND: Use 1/2 to 1 pt. in 100 gals. water. AERIAL APPLICATION (California Only): Use 1 1/2 to 2 pts. per acre in 10 to 20 gals. of water. Apply when insects appear. Do not apply within 10 days of harvest. Do not graze livestock in treated groves.

ORNAMENTALS, FOREST AND SHADE TREES, FLOWERS, SHRUBS

CONIFERS (Arborvitae, Douglas Fir, Fir, Hemlock, Juniper, Pine, Spruce): Suppression of Two-Spot and Red Spider Mites, Aphids, Scale-bugs, Zimmerman Moths, Juniper Webworm, Tussock Moths, Spruce Budworms, Adult Sawfly and Western Hemlock Bark Borers. BROAD-LEAF TREES, SHRUBS and FLOWERING PLANTS (Alder, Ash, Aspen, Birch, Black Walnut, Boxelder, Catalpa, Crabapple, Zelkova, Dogwood, Elm, Evergreen Pear, Flowering Plum and Quince, Hibiscus, Locust, Magnolia, Maple, Mulberry, Oak, Privet, Redbud, Sycamore, Willow, Zinnia): Suppression of Two-Spot and Red Spider Mites, Aphids, Leafminers, Adult Bark Borers, Armyworms, Boxelder Bugs, Elm Leaf Beetles, Fall Webworms, Gypsy Moth, Leaf Miners, Leaf Rollers, Loopers, Oak Webworm, Pine Weevil, Red-Humped Caterpillars, Spruce Budworm, Tussock Moth, Thrips, Spring and Fall Cankerworms, Fall Cankerworm, Drawer Worms, Soft Brown and Black Scale, White Fly: use 1/2 pt. to 1 pt. in 100 gals. water as a full coverage spray. Use the lower rate on flowering plum. Treat when infestation is evident and repeat as necessary to maintain control. OAK TREES (California Only): California Oak Worm - by AIR use 1 to 2 pts. in 5 to 20 gals. water per acre. Treat when infestation is evident. Repeat as necessary.

GREENHOUSE, VAPOR TREATMENT OF PLANTS, OTHER ORNAMENTAL PLANTS: Japanese Beetles, Adult White Flies, Aphids, Leaf Hoppers, Mealybugs: 1 oz. per 1,000 Cu. Ft. when plants are dry. Apply on shelves or benches or in open beds on hot pipes. Apply continuously on the internal surfaces 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 shutting down heating pipes to 160 F. in sealed house, houses close terms 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 reenter. Wear respirator when entering treated houses to ventilate. Protect hands of bees by covering with plastic or rubber sleeving during treatment and until house is ventilated. 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 days intervals. Repeat as necessary. Aphids - Apply when aphids appear. Repeat as necessary.

NOTE: Avoid overtreatment and direct application to plants as injury may result. White Butterfly and Golden Fleece Flowers, Pink Chrysanthemums, Green Wandering Jew, Poinsettias and Dracaenas Pine may be injured by fumes vapor.

FRUIT FLIES: Drosophila spp. in and around Food Processing Plants, Loading Docks, Trash and Refuse Areas, Water Mains - use 2 fl. ozs. in 2 to 4 gals. water. 3 ozs. in 100 gals. as a coarse spray to walls, floors, doorways, wine vats, refuse and soil 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, feedstuffs 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.

GNAT, STABLE FLY (Dog Flies) AND HOUSE FLY CONTROL - RESIDENTIAL AREAS, HOUSES, STABLES, DAIRIES, SWAMPS, MOSQUITOES: Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings. Make applications during period of infestation and repeat as necessary. See crop recommendations for use in addition near harvest. The rate of application in AIRSHIPS: Do not apply to clear or marsh water which are important shrimp producing areas. AIRCRAFT: East - Apply 0.8 to 4.8 ozs. per acre in 1 to 5 with water. Apply 2 to 8 ozs. of diluted spray per acre. West - Apply 1.6 to 4.8 ozs. per acre diluted with water. Apply 2 to 8 ozs. of diluted spray per acre. MIST OR COLD FOG: Use 3 to 5 ozs. per 100 gals. of water. California equipment rate of travel & output to apply 0.1 to 0.25 lb. technical naled/acre.

ADULT MOSQUITO CONTROL - RESIDENTIAL AREAS, CROPS LISTED ON LABEL, TRAMPS, ROOSTING AND LIVES NOT PAS LISTED, INCLUDING DAIRY STABLES: Consult your State Fish and Game Agency before applying this product. Make applications during peak infestation and repeat as necessary. See crop recommendations for use. Irrigations near harvest. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation around elegant pools, marshy areas, ponds and shores may be treated. Direct application to water is prohibited. The rate of application in AIRSHIPS: Do not apply to soil or marsh waters which are important shrimp producing areas. AIRCRAFT: East - Apply 0.8 to 1.6 ozs. per acre diluted with water. Apply 2 to 8 ozs. of diluted spray per acre. West - Apply 1.6 ozs. per acre diluted in water. Apply 2 to 8 ozs. of diluted spray per acre. MIST OR COLD FOG: Use 3 to 5 ozs. per 100 gals. water. California equipment rate of travel and output to apply 0.1 to 0.25 lb. technical naled per acre. Do not make more than one application every 10 days to pasture or other areas where lactating dairy animals are being fed.

REDUCTION OF LIVESTOCK PESTS (Gnat, Stable Fly (Dog Fly), Housefly, Mosquito) in Confined Areas, Corrals, Barns, Stables, Kennels, HOLD NO PENS, PASTURES AND RANGELAND, DAIRY AND BEEF CATTLE, HOGS, SHEEP AND HORSES: AERIAL APPLICATION: Apply at fl. ozs. diluted spray at 2 fl. ozs. per acre. 0.25 lb. technical naled per acre. GROUND APPLICATION: use 5 gals. per 100 gals. water. Apply with a fine blower or similar equipment as a space treatment. California equipment rate and travel and output to apply 0.25 lb. technical naled per acre in approximately 5 gals. of diluted spray.

GRASSHOPPERS, RANGE CATERPILLARS: Rangeland - 1/2 to 3/4 pt. per acre by air or ground. Young Grasshoppers - 1/2 pt. per acre by air or ground. Armyworms - 1 pt. per acre by air or ground. By air - use 1 to 5 gals. water per acre. Apply when hoppers hatch, a complete. Repeat as necessary. Animals may be present during treatment. Do not graze livestock on treated areas.

NOTICE: 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. Manufacturer is not responsible for the use of the product contrary to the label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer. Buyer assumes the risk of any such use. 12-22-89

RQ CORROSIVE LIQUID N.O.S. (NALED) UN 1760