29 JUN 1990

Valent U.S.A. Corporation P.O. Box 8025 1333 North Carolina Blvd. Walnut Creek, CA 94596-8025

Gentlemen

Subject. Dibrom 8 Em ulsive EPA Reg. No. 59639-15 Your Amended Application of September 5, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below.

- 1.) Under "GRAPES" retain the text "Ground Use Only"
- 2.) Change the "Preharvest Interval" to "4 days".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely,

BEST AVAILABLE COPY

William H. Miller Product Manager (16) Insecticide-Rodenticide Branch Registration Division (H7504C)

Enclosure: 1) Stamped label

2) A-79 Enclosure

Helping the World Grow Better®



DIBROM® 8 **Emulsive**

Naled Insecticide

Active Ingredients	B., 344
*Naled	By W1,
	. 58%
Light Aromatic Petroleum Distillate	70%
Inert Ingredients	22%
*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate	30.0

Cantains 8 pounds technical noted per gallon equivalent to 7.2 pounds naled.

KEEP OUT OF REACH OF CHILDREN DANGER-PELIGRO

DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. DO NOT GET ON SKIN. SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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

NET CONTENTS 1 GALLON

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CORROSIVE. Covers invocrable eye and skin damage. May be foled if smallewed, inhaled or absorbed through the skin. May cause aflergic skin reaction. Be not get in eyes, on skin, or on clothing. When handling this material west impervious protective clothing including gives, apron, evershoes, chemical gaggles and foce shield. Do not breathe vapor or apray mist. Wear a MSNA/HIOSH approved pesticide respirator. Wash thereughly with scap and water efter handling and before eating, drinking, or using tobacce. Remove contemented clothing and wash before reuse.

Keep children and animals off treated areas. (Does not apply to uses for adult mosquite central or fly central or rangeland pests).

STATEMENT OF PRACTICAL TREATMENT

If in eyes, hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention immediately.

If inhaled, remove victim to tresh air. If not breathing, give artificial respiration and get medical attention immediately

If swallowed, drink 1 or 2 glasses of water (or milk) and induce vamiling by touching the back of the throat with finger. If possible contact a physician, Poison Control Center or emergency center before inducing vomiting. Do not induce vorniting or give anything by mouth to an unconscious person. Take person and product container to the nearest medical emergency treatment center.

If on skin, wash with plenty of soon and water. Get medical attention immedi-

Note to Physicians: Emergency information -- catt (415) 23%3707. Noted to a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure. It signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (Protopam) is also antidotal and may be used in conjunction with atrapine, but should not be used alone.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and wildlife. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. On not contaminate water by cleaning of equipment or disposal of wastes

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. KEEP OUT OF REACH OF CHILDREN. DO NOT USE OR STORE MEAN heat, open flame, sparks or het surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. Clean up spills immediately, Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explasive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85° F.

BO NOT heat this container. Replace cap or bung. Emptiod container still contains hazardess or explacine vapor or Replace.

DIRECTIONS FOR USE

(A)

ft is a violation of Fodoral law to use this product in a manner inconsistent with its

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATE-MENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULA-

REENTRY STATEMENT

(Reentry Statement does not apply to uses for adult assequite or fly control or rangeland posts.)

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Do not enler treated areas prior to 24 hours after application mithout prefective clothing.

Cortain states may require more restrictive reentry intervals; consult your State De partment of Agriculture for further information

Written or oral warnings regarding was of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about

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

GROUND APPLICATION-Vegetable and Field Green-30 to 250 gals. Cetter-3 to 20 gals Decidueus fruit Crops-60 to 800 gals. Citrus-400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals, water per scre)



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.

Do not apray on Nectorines, Ornamental Charries, Liquidamber or Chrysenthemums as injury may occur.

MIXING DIRECTIONS: Add to spray tank when $\frac{1}{2}$ to $\frac{1}{2}$ full with agitator running and maintain agitation until spraying is completed. Make new dilution for each use. Wash metal equipment thereughly after use to avoid corresion.

DIRECTIONS

Do not apply this product through any type of irrigation system.

ALMONDS: Peach Twig Barer.—Apply only once during the dormant or delayed-dormant period. Apply 1 pt. in combination with 1½ to 2 gals supreme type oil or 2 to 3 gals, dormant oil spray per 100 gals, water in high gallonage spray equipment. Therough coverage is required. Observe oil spray precautions.

BLANS, LIMA BEANS AND PEAS (DRY AND SUCCULENT FORM): Alfalfa Leeper, Aphida, Spider Mites, Lygus, Lealminer, Leepers, Ritidulids, Leethoppers — 1 pt. per acre in water to cover, 100 gals per acre is preferable. For Lerge Leepers, Stink Bugs — $1\frac{1}{2}$ pts. per acre in water to cover. Aerial Application (California Only) — 1 pt. per acre in minimum of 10 gals of water per acre by ak. Begin application at first sign of insects. Make only one application per 7 day period, Do not apply within 1 day of harvest. Do not feed treated vines.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS: Imported Cabbageworm, Diamond-Back Catarpillars, Aphids—1 pl. per acre. Laopar—2 pls. per acre. Do not apply within 1 day of harvest.

CELERY: Aphids, Leopers, Armyworms, Satt Marsh Ceterpillars, Leefminers—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals, water per acre on plants less than 3/2 grown. On larger plants use 13/2 pts. in 100 to 150 gals, water per acre. Do not apply within 1 day of harvest.

COTTON: Lygus—1/2 to 1 pt. per acre by air or ground. Leaf Perferator, Fleshoppers,

Armprosens, Bolloverns, Loopers and For Suppression of Misso—2 pt. per acre by air or ground. Apply of 7 to 10 day intervols while peaks 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. Do not apply after first boils open. To not graze livestock in trusted fields.

GRAPES Ground Use Goly! Bressphile, Lasthagers 1/2 in 1/4 pt. per 100 gais, water (100 to 130 gais, dileted agrey per acre depending on size of vines.) Use only 1/4 pt. per 100 gais, water on iduscet verteiles. Do not apply within 1 day of hervest. NOTE: Do not use after first bloom forms on grapes for fresh fruit and cannery markets as fruit russeting will occur. Do not enter vineyards for 24 hours following treatment.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: Aphida, Soft Brown Scale Crusters, Mitss, Citrus Cutworms, Leafroller (Tortrix)—1 pt. to 100 gals, water. Thrips (Bloom)—1/2 pt. per 100 gals, water. Use up to 7 days of hervest. (Celff. and Ariz.—De not apply within 1 day of hervest.) Do not enter citrus graves for 24 hours following treatment

SAFFLOWER (CALIFORNIA AND ARIZONA ONLY): Aphlés, Thrips, Lygus Bugs-1/4 pt per acre Apply in 3 to 10 gals of water by air. Do not apply within 30 days of harvest

STRAWBERRIES: Leafroller, Spider Mittes, Aphids, Omnherous Leaftier, Spittlebugs, Thrips, Lygus—1 pt per acre. May be used 1 day before harrest.

SUGAR BEETS: Spider Miles, Leafhoppers—1 pt. per acre by air or ground. By Air—Use in 1 to 5 gats water per acre. Do not apply within 2 days of harvest.

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

WALNUTS: Aphids— $\frac{1}{2}$ to 1 st. per 100 gais, water, Aerial Application (Galifornia Only) — phids, Red-Humped Caterpillar — Apply $1\frac{1}{2}$ to 2 pts. per acre in 10 to 20 gals, of water by air. Do not apply within 10 days of hervest. Do not graze live-stock in treated orchards.

GREENHOUSE, VAPOR TREATMENT OF ROSES, OTHER ORNAMENTAL PLANTS: Selder Miles, Adult Whitellies, Aphids, Leafrellers, Mealybugs—1 11. oz. per 10,000 cu. It. 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 houses by covaring with plastic or rubber sheet during treatment and until house is ventilated.

Spider Miles (Resistant and Non-resistant)—Make 3 to 4 treatments at 3 or 4 day

intervals. Repeat as necessary. Adult Whitettles—Make 2 applications at 7 day Intervals. Repeat as necessary. Aphido—Apply when aphido appear. Repeat as necessary. NOTE: Avoid overtreatment and direct application to plants as injury may result. White Euricefly and Golden Rapture Roses, Pink Champagne Chrysenthemuma, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by DIBROM vapor.

FOREST AND SHADE TREES: CONIFERS (Arberettae, Douglas Fir, Fir, Homisck, Juniper, Pinn, Spruce): Suppression of Ture-Spot and Red Spider Mites, Aphide, Spittlohuge, Zimmerman Moths, Juniper Wobusems, Tusseck Moths, Spruce Budwerms, Adult Siorra Fir and Western Hemisck Bark Berges. SROUDLEAF TREES (Ash, Birch, Black Wolnet, Bas Elder, Dogwood, Elm, Evergroon Pear, Flowering Plum and Quince, Lecust, Magnolia, Maple, Ook, Sycamorn, Willow): Suppression of Two-Spot and Bod Spider Mites, Aphide, Leefminorn, Thripe, Elm Laef Bootles, California Onkworms (California only), Spring and Fall Cankerworms, Fall Wobwerm, Ook Wobwerm, and Tussech Mothe—1 pt. in 100 gais. water. Use when infestation is evident, repeat as nocers. ***

BEST AVAILABLE COPY

Cut Piles and Balane Areas, Cider Wills—Use Z et. 1873/2 Thes. WHITE AS present & LUI gale.) as a course spray to wills, Reers, decrume, windows, refuse and calleging where insects compresses. Apply every 5 to 7 days as accompgy. Do, not apply to call first or refuse piles to be fed to Restock. Avaid contamination of feeds, feedshiff find food precessing machinery. Do not apply when plants are an affection or when-leads are present or expected. Do not spray surfaces which util some this contact with feeds. Cover feed containers during aproping.

GNAT, STABLE FLY (Dog Flies), AND NOUSE FLY CONTROL—RESIDERTIAL AREAS, CROPS LISTED ON LABEL, SWAMPS, WOODLAND: Consult your State Fish Bild Game Agency before applying this product. It is not necessary, in evold team delidings. Make applications during peak of infestation and report as necessary. See crop recommendations for use limitations near hervest. This rate of application will full shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. AIRCRAFT: East—Apply 0.8 to 4 fl. as, per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West—Apply 1.6 to 4 fl. as, 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.

ADULT MOSQUITO CONTROL—RESIDENTIAL AREAS, CROPS LISTED ON LABEL, SWAMPS, WOODLAND AND LIVESTOCK PASTURES INCLUDING DAIRY CATTLE: Consult your State Fish and Game Agency before applying this product. Make applications during peak of infestation and repeat as necessary. See crep recommendations for use limitations near harvest. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation around stagmant pools, marshy areas, poinds and shore lines may be treated, three application to water is pict hibited. This rate of application will tall shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. AIRCRAFT: East—Apply 0.8 L. 1.6 ft. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West—Apply 1.6 ft oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. MIST GR COLD FOG: Use 3 to 5 qts. per 100 gals, water. Calibrate equipment (rate of travel and output) to apply 0.1 lb, technical naled per acre. To not make more then one application every 10 deys to restures or the process where items and the animals was included.

REDUCTION OF LIVESTOCK PESTS—Gase, Stable Fly (Dog Fly), Housefly, Mesquite; Horn Fly (Central and North Central U.S.) IN CORRALS, HOLDING PENS, FEEDLOTS AND RANGELAND CONTAINING DAIRY AND BEEF CATTLES (60%, SHEEP AND HORSES: AERIAL APPLICATION; Apply 4 fl oz. diluted with 8 fl. ez. of water (total of 12 fl oz.) per acre (0.25 fb. technical naled per acre). GROUND &PPLICATION: 120 S ets. per 100 gals, water. Apply with a mist blower or similar equipment as a supply legiment. Calibrate equipment (rate of travel and output) to apply 0.25 fb. technical naled per acre (approximately 5 gals, of diluted spray).

CLOYER MITES, ROACHES, EARWIGS AND LEAFHOPPERS.—Queside Dalifiker and In Lawris: Use 1 fl. oz. in 3 gals. water. Apply to tuff, and to soil surfaces around flowers, shrubs, and trees for general pest cleanup.

flowers, shrubs, and trees for general pest creating.

GRASSHOPPERS, RANGE CATERPILLARS: Rangeland—% to % pt. peg gdg by air or ground. Young Grasshoppers—1/2 pt. per acre by air of ground Armyworms—1 pt. per acre by air or ground. By Air—Use in 1 to 5 gals, water per acre. Apply when appears hatch is completed. Repeat as necessary. Animals may be greatent during dealment. Do not graze lactating dairy animals on treated areas?

De net apply under conditions involving possible drift to food, forego of other plantings that might be demaged or the grops thereof rendered sufft for sale, use or consumption.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or food by storage, disposal or cleaning of equipment.

Open dumping is prohibited.

STORAGE

Store in cool, dry place.

Keep pesticide in original comtainer.

Do not put concentrate er dilute into food or drink containers.

Not for use or storage in or around the home.

Do not store diluted spray.

For help with any spill, leak, fire or exposure involving this material, cell day or might (415) 233-3737.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pasticide, agray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, confact your State Pasticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Dispose of in a sanitary landfill or by other procedures allowed by State and local authorities.

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

2. Critical and unforeseable factors beyond Chevron'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 Chevron under 1 above) resulting from handling storage, and use of this material.

ACCEPTED

with CONDIDITS
in EPA Letter Detect:

JUN 29 1990

Under the Federal Inserticide.
Fungeids, and Rodenticide Act as a mended, for the petiticide registered under EPA lleg No.

57439-15

Chevron Chemical Company • 1988

Ortho Agricultural Chemicals Division
San Francisco CA 94120-7144

Product 2738 Made in U.S.A.
R Form 9219-U

EPA Reg. No. 239-1281-AA



DIBROM & Emulsive EPA Reg. No. 239-1281 Submitted: February 8, 1989

Copy A

(By Ground)

Copy B

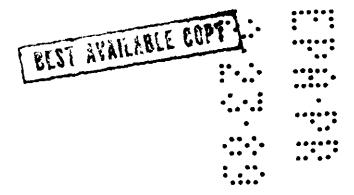
Airblast Application (California Only): Prebloom - Overwintering Leafhoppers. Thrips; Postbloom - Drosophila, Leafhoppers - 1 pt. in a minimum of 20 gals. water per acre. Do not use on Italia varities as fruit injury may occur. Do not apply within 1 day of harvest. Do not enter vineyards for 24 hours following treatment.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 29 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Rog. No.

59639-15





(Naled Insecticide)

NOT REVIEWED

In Accordance with PR Notice 82-2 Based on Druft Labeling Dated 6 20 /20

Active Ingredient "Naled

Inert Ingredients
Light Aromatic Petroleum, Distillate 20%

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

Contains 8 pounds technical naled per garlon equivalent to 7 2 pounds naled
DIBROM* — Reg. TM of Chevron Chemical Company for naled insecticide

DANGER-PELIGRO

KEEP OUT OF REACH OF CHILDREN BEST AVAILABLE COPY

DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. DO NOT GET ON SKIN. SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER

CORROSIVE Causes irreversible eye and skin damage. May be fatal if swallowed, inhaled or absorbed through the skin. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. When handling this material wear impervious protective clothing including gloves, apron, overshoes, chemical goggles and face shield. Do not breathe vapor or spray mist. Wear a MSHA/NIOSH approved pesticide respirator. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

Keep children and animals off treated areas. (Does not apply to uses for adult mosquito control or fly control or rangeland pests)

SMENT OF PRACTICAL TREATMENT

as, hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention immediately

If inhaled, remove victim to freshair if not breathing, give artificial respiration and get medical attention

immediately if swallowed, drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger if possible contact a physician, Poison Control Center or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest medical emergency treatment center if on skin, wash with plenty of soap and water. Get medical attention immediately. Note to Physicians: Emergency Information. It is also useful in monitoring exposure. It signs of cholinesterase inhibition appear, alropine sulfate is antidotal. 2 PAM (Protopam) is also antidotal and may be useful in conjunction with atropine, but should not be used alone.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquat—invertebrates, and wildlife. Do not apply directly to water or wetlands (swar—i logs, marshes and potholes). Runoff from treated areas may be harardous to aquatic organis of equipment or dis posal of wastes. This product is his

This product is hi, ...y taxic to bees exposed to direct trea ment on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds while bees are actively visiting the freatment area

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner incor-

READ ENTIRE LABEL AND PAMPHLET USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS

REENTRY STATEMENT

(Reentry Statement does not apply to uses for adult mesquito or fly control or rangeland pests)

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift. Do not enter treated areas prior to 74 hours after application without protective clothing. Certain states may require more restrictive reentry intervals. consult your State Department of Agriculture for further information.

Written or oral warmings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED*
GROUND APPLICATION — Vegetable and Field Creps — 30 to 250 gals. Cetten — 3 to 20 gals. Decideness Fruit Creps — 60 to 800 gals. Citrus — 400 to 3,000 gals. (On Young Fruit Plantings — Use a minimum of 15 gals. water per acre.)
ARR APPLICATION — Field Creps — 3 to 10 gals

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

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. Do not spray on Nectarines, Ornamental Cherries, Liquidambar or Chrysamhemums as injury may occur.

NITIONG DIRECTIONS: Add to spray tank when % to % full with agriator running and maintain agriation until spraying is completed. Make new dilution for each use. Which metal equipment thereughly after use to avoid corresion.

DIRECTIONS

Do not apply this product through any type of irrigation system

ALMONDS: Peach Twig Berer Apply only once during the dormant or delayed dormant period Apply pt. in combination with 1/3 to 2 gals supreme type oil or 2 to 3 gals dormant oil spray per 100 gals water in high gallonage spray eouignent. Thorough coverage is required. Observe oil spray precautions.

BEANS, EIMA BEANS AND PEAS (DRY AND SUCCULENTFORM). Altalfallooper, Aphids, Spider Mites, Lygus, Leafminer, Loopers, Nitrobirlas, Leafhoppers. 1 pt. per acre in water to cover. 100 gals, per acre in preferable for Large Loopers, Stink Bugs. 1 pts, per acre in water to cover. Acriel Application (California Only). 1 pt. per acre in minimum of 10 gals, of water per acre by air. Begin application at first sign of insects. Make only, one application per 7 day period. Do not apply, within 1 day of harvest. Do not feed ireated vines.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS Imported Cal werm, Diamendback Caterpillars, Aphies 1 pt per acre Leeper 2 pts per acre Do not apply within 1 day of harvest

1 day of harvest

CELERY: Aphids, Leopers, Armyworms, Salt Marsh Caterpillars, Leolminars. Use ground application
only with fine mist spray. 1 pt. in 50 to 75 gals, water per acre on plants less than % grown. On larger
plants use 1% pts. in 100 to 150 gals, water per acre. Do not apply within 1 day of harvest.

COTTON: Lygus. 1/2 to 1 pt. per acre by air or ground. Lead Perforator, Fleahoppers, Armyworms, Bellwerms, Leopers and For Suppression of Mittes. 1 pt. per acre by air or ground. Apply at 7 to 10 day intervals while prots persist. FOR HEAVY POPULATION OF LISTED INSECTS. Use 1/2 pt. per acre by air or
ground in control programs with other insecticides registered for use on cotton. Do not apply after first
bolls open. Do not graze livestock in treated fields.

GRAPES. (Ground Use Only) Drasophila. Leafbooners. 1 to 4 pt. per 100 gals, water (100 to 13) to also.

GRAPES (Ground Use Only) Drosophila, Leathoppers (1.102) pt. per 100 gals, water (100 to 130 gals diluted spray per acre depending on size of vines). Use only (1.11) per 100 gals, water on Muscat varieties. Do not apply within 4 days of harvest. NOTE: Do not use after first bloom forms on grapes. for fresh truit and cannery markets as fruit russeting will occur. Do not enter vine; ands for 24 hours following treatment. Airblast Application (California Only). Problem — Overwintering Leathoppers. Thrips, Postbloom — Drosophila, Leathoppers 1 pt. in a minimum of 20 gals, water per acre. Dr. not use on Italia varieties as fruit injury may occur. Do not apply within 4 days of harvest. Do not enter vineyards for 24 hours following treatment.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES Aghids, Soft Brown Scale Crawlers, Mites Citrus Cutworms, Leafroller (Tortrix) 1 pt to 100 gals water Things (Bloom) 1/2 pt per 100 gals water Use up to 7 days o' harvest (Calif. and Anz Do not apply within 1 day of harvest 1 Do not enter citrus groves

to 7 depuis following treatment
SAFFLOWER (CALIFORNIA AND ARIZONA ONLY) Aphids. Thrips, Lygus pt per acre. Apply in 3 to 10 gals of water by air. On not apply within 30 days of harvest.
STRAWBERRIES. Leafroller, Spider Mites, Omnivorous Leaftier, Spittlebugs, Aphids, Thrips, Lygus pt per acre. May be used 1 day before harvest.
SUGAR BEETS: Spider Mites, Leafleppers. 1 pt per acre by air or ground. By Air. Use in 1 to 5 gals water per acre. Do not apply within 2 days of harvest.
TOBACCO: Hernwerm. — 1 pt to 100 gals water, using up to 200 gals diluted spray per acre. Flea.
Bootles. — 1 pt per acre in water to cover Apply at first sign of insects. Repeat as necessary.
WALHUTS: Aphids. — ½ to 1 pt per 100 gals water. Aerial Application (California Only).—Aphide, Red-Humped Caterpillar. Apply 1½ to 2 pts. per acre in 10 to 20 gals of water by air. Do not apply within 10 days of harvest. Do not graze Investock in treated orchards.
FOREST AND SHADE TREES: CONFERS (Arborvitae, Demplas Fir, Fir, Hemlock, Juniper, Pine, Spruce).
Suppression of Two-Spet on 1 Red Spider Mites, Aphids, Spittlebugs, Zymmorman Medis, Juniper Webwerms, Tussaci. Meths, Sprince Budwerms, Adult Sierra Fir and Western Hemlock Bark Bourse. BIOAD-LEAF TREES (Ash, Birch, Black Wahnit, Box Elder, Dogwood, Elm, Evergreen Pear, Flowering Plum and Cuince, Lecust, Magnelia, Maple, Oak, Sycamore, Wildow): Suppression of Two-Spet and Red Spider Mites, Aphids, Leafminers, Thrips, Elm Leaf Beetles, California Oekworms (California only), Spring and Fall Conferencements, Fall Webworm, Oak Webwerm, and Tussack Michs. — 1 pt in 100 gals water. Use when infestation is evident, repeal as necessary.

Fall Continenvarius, Fall Webworm, Dak Webworm, and Tusseck Mchs. 1 pt. in 100 gals water Use when infestation is evident, repeal as necessary GREEMHOUSE, VAPOR TREATMENT OF ROSES, OTHER ORNAMENTAL PLANTS. Spider Mites, Adult Whiteflies, Aghids, Leafrellers, Mealybugs. 1 ft. oz. per 10,000 cu. ft. when plants are dry. Apply undivided on head 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 exists for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overing to 160 ft. In steam heated houses, close exists for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overing to 160 ft. In steam heated houses, the second of the pipes of the pipes are not. With hot water systems, close house for at least 3 hours. Houses may remain closed overing to 160 ft. In steam heated houses, the second of the pipes are not with hot water systems, close house for at least 3 hours. Houses may remain closed overing with plastic or rubber sheet during treated houses to ventilate. Protect hives of bees in houses by covering with plastic or rubber sheet 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 day intervals. Repeat as necessary Adult Whiteflies. Make 2 applications at 7 day intervals. Repeat as necessary Adult Whiteflies. Make 2 applications at 7 day intervals. Repeat as necessary Adult Whiteflies. Make 2 applications at 7 day intervals. Repeat as necessary Adult Whiteflies. Make 2 applications at 7 day intervals. Repeat as necessary 4 day intervals. Repeat as necessary 4 day intervals. Repeat as

foodstuffs and food processing machinery. Do not apply when plants are in uperation or when foods are present or exposed. Do not spray surfaces which will come into contact with foods. Cover food containers

present or exposed to not spray surfaces with research and design of spraying GNAT, STABLE FLY (Dog Files), AND HOUSE FLY CONTROL - RESIDENTIAL AREAS, CROPS LISTED ON LABEL SWAMPS, WOODLAND. Consult your State Fish and Game Agency before applying this product it is not necessary to avoid farm buildings. Make applications during peak it, infectation as if it is recessary. See crop recommendations for use limitations near harvest. This rate of applica, on will shimp. Do not apply to tidat or marsh waters, which are important shimp producing areas. MALRAFT East. Apply 0.8 to 4 ft oz per acre diluted with water. Apply 2 to 8 gts. of diluted spray per acre. MOST OR COLD FOG. Use 3 to 5 gts. per 100 gats, water. Calibrate equipment frate of travel and output) to up, x₂ \(\text{\t

The technical naled per acre.

ADULT MOSQUITO CONTROL. RESIDENTIAL AREAS, CROPS LISTED ON LABEL, SWAMPS, WOOD LAND AND LIVESTOCK PASTURES INCLUDING DAMY CATTLE. In dult your State fish and Game Agency, before applying this product Make apply about a popier or forstation are imported as necessary. See importance of the formula instabilities of artificial are indistagrant pools marshy areas pools and shorte in this may be treated. Direct apply after this successful are and stagrant pools marshy areas pools and shorte in this may be treated. Direct apply after this successful are and stagrant pools marshy areas pools and shorte in this may be treated. Direct apply after this successful are and shorten will self shorten to the successful areas. AMCRAFT East. Apply 0.8 to 1.6 to or per acre diluted with water Apply 2 to 8 gts. of diluted spray per acre. WEST. Apply 1.6 to or per acre diluted with water. Apply 2 to 8 gts. of diluted spray per acre. MIST OR COLD FOG. Use 3 to 5 gts. per 100 gals water. Calibrate

equipment (rate of travel and output) to apply 0.1 lb, technical naled par acre. Do not make more than one application every 10 days to pasture or other areas where factating tiarry enimals are along he's

being high.

BEBUCTION OF LIVESTOCK PESTS: Good, Stable Fly thing Fly), Namoufly, Monamine; Mr. -- Fly (Control and
Morth Control U.S.) IN CORRALS, NOLDING PENS, PEEDLOTS AND RANGELAND C. OTTAINING BARRY
AND BEEF CATTLE, HOGS, SHEEP AND HORSES: ACRIAL APPLICATION: Apoly 4 fl.: distinct with 6 fl.
or. of violet (seel of 12 fl. oz.) per acre 18:25 fb. technical holed per acre). GRIBUOD A. PLICATION: Usa
S pts. per 180 gals, violet. Apply with a mist blower or similar equipment on a space fr. -enert. Calibrate
equipment (rate of travel and output) to apply 0.25 fb. technical holed per acre (approx. nately 5 gals. of
Addad extrant.

CLOVER MITES, ROACHES, EARWIGS AND LEAFHOPPERS—Dutside Dwellings and at Lawret Use 1 fl oz at 3 gals, water Apply to turl and to soil surfaces around flowers, shrubs and trucs for general

GRASSHOPPERS, RANGE CATERPILLARS: Rangeland.- ½ to ½ pt. per acre by air or ground. Yeeing Greenheppers.— ½ 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. Do not graze lactating, dairy animals on treated areas.

Do not apply under conditions involving possible drift to food, forage or athor plantings that might be demaged or the crops thereof randered untit for sale, use or consumption

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment Open dumping is prohibited

STORAGE

Store in cool, dry place

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 Do not store diluted spray

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-457-2022 PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes connot be disposed of by use according to label instructions, contact your State Pesucide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse for equivalent). Do not reuse container: Dispose of in a sanitary landfill or by other procedures allowed by State and local authorities.

IMPORTANT INFORMATION, READ BEFORE USING PRODUCT.

EMPTED WARRANT: 1 Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, quarrantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

Contact and uniform expelle factors beyond Valent's control or property to the product of the product and uniform expelled factors beyond Valent's control or product from all makes to con-

TICULAR PURPOSE IS MADE

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

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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