Code 1192

Post 1/13.
Net Weight

# gowan Endosulfan 50 WSB Insecticide

For Agricultural or Commercial Use Only

EPA Reg. No. 10163-130

**EPA Est** 

BEST AVAILABLE COPY

KEEP OUT OF REACH OF CHILDREN

# **⊅** DANGER-POISON **⊅** PELIGRO

See Other Panels for Additional Precautionary Information.

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

#### STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by giving one (1) ounce of syrup of specac, if available, or by touching the back of the throat with a finger. Do not induce vomiting or give anything by mouth to a person who is unconscious or convulsing.

if inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

If on skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention,

If in eyes: Flush eyes with plenty of water, Call a physician immediately.

Note to Physician: Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation or through contact with skin. It may cause convulsions. There is no specific entidote. Diazepam I.V. is the drug of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuronuscular blocking agent may be used if convulsions persist. This type of drug may be used only if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated.

54-hear Fof Emergency Assistance Call (800) 424-9350.



P.O. Box 5569 Yuma, AZ 85366-5569

### ACCEPTED

OCT | 5 1993

Under the Federal Insecticide.
Fungicide, and Rodenticlide Act.
as amended, for the pesticide
registered under
EPA Reg. No. 10 163 130

# PRECAUTIONARY STATEMENTS Hazards to Humans (& Domestic Animals)

Danger

Fatal if swallowed or inhaled. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Do not breathe vapor. Applicators must wear a long sleeve shirt, trousers, unlined waterproof gloves made of natural rubber or neoprene, full foot covering (such as shoes or boots), head covering (such as a hat), and a pesticide mask or respirator jointly approved by the Mine Salety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) under the provisions of 30 CFR Part 11 for protection against endosultan. Mixers and/or loaders must wear a chemical resistant apron and goggles or face shield in addition to all of the protective equipment specified for applicators. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse.

#### **Environmental Hazards**

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Due to the risk of runoff and drift, do not apply within a distance of 300 feet of lakes, ponds, streams, and estuaries. Shrimp and crab may be littled at application rates recommended on this label. Do not apply where fish, shrimp, crab and other equatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of imigation equipment.

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. When mixing, loading, and applying this product wear unlined waterproof gloves and a MSHA/OSHA approved pesticide mask or respirator.

RE-ENTRY

Do not enter treated areas without appropriate protective clothing for 24

Protective clothing means, at least, a hat or other statable head covering, a long sleeved shirt and long logged trousers dria coverall type garment (all of closely woven faithic covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, such as the 48 hour reentry interval established by California, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Inform workers of areas or fields that may not be prefered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure, An example of such information is given under written warnings. Whenecral-warnings are given, warnings shall be given in a language customarity understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

Area treated with endosullan on (insert date). Do not enter without appropriate protective clothing for 24 hours (insert State Department of Agriculture's reentry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water, if inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

#### STORAGE AND DISPOSAL

Pesticide Storage

Do not store in or around the home.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. identify contents.

Pesticide Disposal

Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mixture, or misate 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 Agency, or the Hazardous Waste representative of the LEPA Regional Office for guidance.

Container Disposal

When all water soluble bags are used, the outer package should be clean and may be disposed of in a senitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If the outer container contacts formulated product in any way, it must be triple rinsed with clean water. Add misate to the spray tank and dispose of the outer package as described above.

See supplemental label & directions for use in California

#### GENERAL INSTRUCTIONS

lot for use or storage in or around the home.

To not treat areas while unprotected humans or domestic animals are resent in the treatment area.

n, is individually packaged in one-pound units in a translucent wat building the property of t ormal use. Cooler water temperatures increase the time needed for the

WSB insecticide is intended for dilution with water for spray optication. Do not use strainers finer than 50 mesh size. Determine the umber of water soluble beg(s) to make up necessary spray auspension. lse a minimum spray volume of 5 gallons of water per acre. Fill the pray or nurse tank 1/2 full with water. Open the outer wrapper of this roduct and immediately dump required contents into spray tank. Allow he water soluble bag(s) to dissolve completely. Start hydraulic or nechanical agitation. Air agitation is not recommended. Mix thoroughly o fully dispense and suspend the wettable powder. Fill the spray tank with the required amount of water. Maintain agitation during storage in - your Endosultan So

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oply the listed amount per acre when insects first appear and repeat as equired, unless otherwise noted, to maintain effective control. Use in ufficient water for thorough coverage of listed crops, unless otherwise oted. Coverage of upper and lower leaf surfaces is essential for good ontrol. For ground application, apply recommended amount of pesti-ide in a minimum of 10 gallons of water per acre on vegetable or row rops. Observe use limitations, If insect control is required beyond the Mowing use patterns, supplement the control program with other suitble pesticides.

Then applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon of finished spray er acre on vegetable and field crops, unless otherwise noted, and a

minimum of 20 gallons of finished spray per acre on fruit and nut trees and on vines. When applying 4 pounds or more, in a minimum of 10 gallons of water.

Do not plant mot crops other than carrots, potatoes, sweet potatoes, and sugar beets as follow-up crops. Observe days interval between last application and harvest indicated by number in ( ) following the crop

#### Alfalfa (Grown for Forage) (21)

| Insects           | Rate of              | Method of   |
|-------------------|----------------------|---|
| Controlled        | Application          | Application   |
| Meadow Spittlebug | 1 bag per<br>2 acres | Apply one week after eggs begin to hatch or when first small masses of froth are produced in the crowns of the plant which is usually about the time the alfalfa is 4 to 6 inches tall. Apply in a minimum of 10 gallons of water per acre by ground or 2 gallons of water per acre by air. |

Do not graze or cut forage within 21 days of treatment.

Do not apply more than once per cutting. Do not make more than 3 applications per year.

Do not exceed a maximum of 0.75 lb. active ingredient (i.e., 1% pounds) per acre per year.

#### Apples (21)

| Insects  | Rate of  | Method of  |
|--|--|--|
| Controlled   | Application  | Application  |
| Aphids (including Apple Aphid, Rosy Apple Aphid, Woolly Apple Aphid) Apple Rust Mite Green Fruitworm Tamished Plant Bug Tentiform Leafhiopper (first generation) | 1 bag per<br>100 gal-<br>lons or a<br>maximum<br>of 5 bags<br>per acre | Applications made at pink and/or petal fall provide best control of Tarmished Plant Bug and Green Fruitworm. For best control of first generation White Apple Leafhopper, apply when nymphs first appear on leaves. If necessary, prior to petal fall, use 3 bags per 100 gallons to control Apple Aphids and Rosy Apple Aphids. For control of Tentiform Leafminers, make first application as soon as moth flight begins. A second application should be made 10 days-later. |

Do not feed pomace from treated apples to livestock.

Do not feed cult fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications during the fruiting period.

Do not make more than 3 applications per year.

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

Apricots (21), Nectarines (21), Peaches (21)

| Apricon (21), Necariiles                  | (21), Paacin           | <del>= \21</del> /  |
|---|------------------------|---|
| Insects<br>Controlled                     | Rate of<br>Application | Method of<br>Application  |
| Paachtree Borer<br>Lesser Peachtree Borer | 100 gal-               | Best control is obtained with a single application post-harvest during the first week of September. Spray all bark areas from ground level to lower scaffold limbs. |

Do not feed cult fruits to animals or allow livestock to graze in treated archards.

year, انخر Do not make more than 2 applications

Do not exceed a maximum of 3.0 lbs, active ingredient (i.e., 6 pounds) per acre per year,

DIRECTIONS FOR USE OF WATER SOLUBLE BAGS.

Packets containing Gowan Endosulfan 50 WSB are water soluble. Do not allow packet to become wet prior to adding to the spray tonk. Do not handle with wet hands. Reseal outer bag to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under crop recommendations into spray tank while filling with water to the desired level. Operate the agitator while mixing. Depending on water temperature and the degree of agitation, the packets should be completely dissolved within approximately five minutes from the time they were added to the water. Use the specified disage in the amount of water necessary to give complete coverage of the foliage. Determine the total amount of waterby powder to be added to the spray tonk based on the rotes in the crop recommendations. For each one pound of wettable powder to be added to the spray tank, use 1 one pound packet. For example, if it is determined that 10 pounds of Gowan Endosultan 50 WSB should be added to the spray tank, add 10 one pound packets. Denet ettempt to break epen the water seluble packets. Where disages are exprassed as fractions of pounds, prepare tank load to the lower of the nearest whole pound.

#### Apricots (30), Nectarines (30), Peaches (30)

| Insects  | Rate of  | Method of  |
|--|--|--|
| Controlled   | Application  | Application  |
| Aphids (including Black<br>Cherry Aphid, Black<br>Peach Aphid, Green<br>Peach Aphid, Rusty<br>Plum Aphid)<br>Catfacing insects (Stink<br>Bug type)<br>Green Fruitworm<br>Peach Silver Mite<br>Peach Twig Borer | 1 bag per<br>160 gal-<br>lons or a<br>maximum<br>of<br>4 to 5 bags<br>per acre;<br>West<br>Coast—do<br>not use<br>more than<br>6 bags per<br>acre. | Make applications when insects appear or feeding is noticed. |

orchards.

Do not make more than 2 applications per year. Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

#### Artichokes (7)

| • = • • • • •   |                        |  |
|---|------------------------|--|
| Insects<br>Controlled   | Rate of<br>Application | Method of<br>Application   |
| Aphids (including<br>Artichoke Aphid, Green<br>Peach Aphid)<br>Artichoke Plume Moth<br>Thitefly | 2 bags per<br>acre     | Make applications when insects appear or feeding is noticed. Apply in a minimum of 20 gallons of water per acre by ground and in a minimum of 10 gallons of water per acre by air. |

Do not make more than 2 applications per year. Do not exceed a maximum of 2.0 lbs. active ingredient (i.e., 4 pounds) per acre per year.

Barley, Oats, Rye, Wheat

| Insects<br>Controlled  | Rate of<br>Application  | Method of<br>Application  |
|--|-------------------------|---|
| Army Cutworm  Cereal Leaf Beetle (Illinois, Indianr, Michigan and Ohio only) | 1 bag per<br>acre       | Apply when small larvae are readily found in the field. For serial application, use a minimum of 5 gallons of water per acre. |
| Aphids   | 2 to 3 bags<br>per acre | Make applications when insects appear or feeding is   |
| Do not apply after heads b   | egin to form.           |   |

Do not feed treated forage to livestock.
Do not make more than 2 applications per year.
o not exceed a maximum of 1.0 lb. active ingredient (i.e., 2 pounds) er acre per year.

Beans, Succulent and Dry (except Lima Beans) (3) and Southern Field Peas (Succulent type, including Black-eyed Peas, Crowder Peas and Southern Peas) (3)

| reas and Southern Peas)  | (3)                     | <u>_</u>  |
|--|-------------------------|---|
| Insects<br>Controlled  | Rate of<br>Application  | Method of<br>Application  |
| Black Bean Aphid<br>Bean Leaf Skeletonizer<br>Cowpea Curculio<br>Cucumber Beetles<br>Flea Beetles<br>Green Stink Bug<br>Leafhoppers<br>Mexican Bean Beetle | 1 to 2 bags<br>per acre | Make applications when insects appear or feeding is noticed. For control of Cowpea Curculio, make 3 applications at 5-day intervals starting when the pods are ½ inch long. |
| Aphids<br>Armyworms<br>Western Bean Cutworm<br>Whitefly  | 2 bags per<br>acre      |   |

Do not feed treated threshings or allow livestock to graze in treated fields.

Do not use on Lima Beans that are to be removed from the field for

processing.
Do not make more than 3 applications per year.
Do not exceed a maximum of 3.0 lbs, active ingredient (i.e., 6 pounds) per acre per year.

Blueberries

| Insects<br>Controlled    | Rate of<br>Application | Method of<br>Application   |
|--------------------------|------------------------|--|
| Blueberry Bud Mite       |                        | Apply immediately after har-<br>vest and repeat 6 to 8 weeks<br>later. |
| Do not apply after buris | are well formed        | <u> </u>   |

Do not make more than 2 applications per year.

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

Broccoli (7), Brussel Sprouts (14), Cabbage (\*\*), Cauliflower (14)

| Insects<br>Controlled   | Rate of Application | Method of<br>Application                                     |
|---|---------------------|--|
| Cabbage Aphid Cabbage Looper Cross-striped Cabbage- worm C amondback Moth larvae Flea Beetles Harlequin Bug Imported Cabbageworm Leathoppers Stink Bugs | 2 bags per<br>acre  | Make applications when insects appear or feeding is noticed. |
| Armyworms<br>Culworms<br>Whitefly   |                     |  |

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

Carrota (7)

| insects<br>Controlled   | Rate of<br>Application                          | Method of<br>Application   |
|---|---|--|
| Green Peach Aphid<br>Leafhoppers  | 1 to 2 bags<br>per acre                         | Make applications when<br>insects appear or feeding is<br>noticed. |
| Armyworms<br>Flea Beetles<br>Whitefly   | 2 bags per<br>acre                              |  |
| Do not use tops for food<br>Do not make more than<br>Do not exceed a maximi<br>per acre per year. | or feed.<br>one application<br>um of 1.0 lb. ac | per year.<br>ctive ingredient (i.e., 2 pounds)                     |

Calacy (A)

| Celery (4)   | :-                                  | •  |
|--|-------------------------------------|--|
| Insects<br>Controlled                              | Rate of<br>Application              | Method of<br>Application                                     |
| Green Peach Aphid<br>Cabbage Looper<br>Leafhoppers | 1 to 2 bags<br>per acre             | Make applications when insects appear or feeding is noticed. |
| Armyworms<br>Flea Beetles<br>Whitefly              | 2 bags per acre                     | _  |
| Do not make more than<br>Do not exceed a maxim     | one application<br>rum of 1.0 lb. a | per year.<br>ctive ingredient (i.e., 2 pounds)               |

per acre per year.

Celery (7)

| Insects<br>Controlled   | Rate of<br>Application        | Method of<br>Application   |
|---|-------------------------------|--|
| Green Peach Aphid   | 1 bag per<br>acre             | Make applications when<br>insects appear or feeding is<br>noticed. |
| Do not make more than 2<br>Do not exceed a maximu<br>per acre per year. | applications pm of 1.0 lb. ac | per year.<br>ctive intgredjent (i.e., 2 pounds)                    |

| Insects<br>Controlled   | Rate of<br>Application  | Method of<br>Application   |
|---|---|--|
| Peachtree Borer<br>Lesser Peachtree Borer                               | 3 bags per<br>200 gal-<br>ions; West<br>Coast: 2 to<br>3 bags per<br>200 gal-<br>ions | Thoroughly wet all bark from ground to scaffold limbs.   |
| Slack Cherry Aphid<br>Green Fruitworm<br>Plum Rust (Nursery) Mite       | 1 bag per<br>100 gal-<br>lons or 4 to<br>5 bags per<br>acre                           | Make applications when insects appear or feeding is noticed.   |
| Pacific Northwest only:<br>Eyespotted Bud Moth<br>Fruit Tree Leafroller |   | For Bud Moth control apply at "popcorn" stage. For Leaf-roller control, apply during pre-pink stage of growth. |
| Michigan only:<br>Mineola Moth  | 2 bags per  | Apply in the delayed domant  |

Do not feed cult fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3.0 lbs. active ingredients (i.e., 6 pounds) per acre per year.

#### Cherry, Peach, Plum Nursery Stock Dip

| ( Insects              | Rate of              | Method of   |
|------------------------|----------------------|---|
| Controlled             | Application          | Application   |
| Peachtree Borer        | gallons              | Mix thoroughly, Immerse trees<br>so that the roots and crowns<br>are covered well above the<br>grafting bud scar. |
| Wear rubber gloves du  | iring the dipping or | operation,  |
| Plant immediately or d | ry before returning  | og stock to storage.  |

#### Citrus (Non-Bearing Trees and Nursery Stock)

| Insects      | Rate of  | Method of  |
|--------------|--|--|
| Controlled   | Application  | Application  |
| Citrus Aphid | 1 bag per<br>200 gal-<br>lons or a<br>maximum<br>of 5 bags<br>per acre | Make applications when insects appear or feeding is noticed. |

Do not apply to bearing trees or trees that will bear fruit within twelve

months.

Do not make more than 2 applications per year.

Do not make more than 3.0 lbs. active ingr exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) , per year.

#### Collards (21)

| Insects<br>Controlled   | Flate of<br>Application | Method of<br>Application                                     |
|---|-------------------------|--|
| Aphids Cabbage Looper Diamondback Moth larvae Fall Armyworm Flea Beetles Harlequin Bug Imported Cabbageworm Leafhoppers | 3to 4 bags<br>per acre  | Make applications when insects appear or feeding is noticed. |
| Whitefly  | 2 begs per<br>acre      |  |

Do not make more than one application per year. Do not exceed a maximum of 1.0 lb. active ingredient (i.e., 2 pounds)

per acre per year,

#### Cotton

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|----|----|
|----|----|

| Insects<br>Controlled   | Rate of<br>Application  | Method of<br>Application  |
|---|-------------------------|---|
| Aphids  | 2 to 3 bags<br>per acre | Make applications wher insects appear or feeding is noticed. For control of aphids tho rough coverage is important. |
| Boll Weevil   | 1 to 3 bags<br>per acre |   |
| Bollworm Cabbage Looper Cotton Leafperforator Cotton Leafworm Fleahoppers Lygus Bugs Stink Bugs Tobacco Budworm | 2 to 3 bags<br>per acre |   |
| Thrips  | 3 bags per<br>acre      |   |

Applications may be made using ground or aerial application equipment. The higher rate should be used under heavy pest pressure.

Do not apply after bolls open.

Do not graze meat or dairy animals in treated fields.

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

#### Cucumbers (2), Meions (2), Pumpkins (2), Summer and Winter Squash (2)

| Insects<br>Controlled   | Rate of<br>Application | Method of<br>Application   |
|---|------------------------|--|
| Aphids Cucumber Beetles Melonworm Pickleworm Rindworm (on watermelons) Squash Beetle Squash Bug Squash Vine Borer Striped Flea Beetle | 1 to bags<br>per acre  | Make applications when insects appear or feeding is noticed. For Squash Vine Borer control, apply weekly to flower buds, stems, and vines beginning when moths first appear. |
| Cabbage Looper<br>Omniverous Leafroller<br>Whitefly   | 2 bags per<br>acre     |  |

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

#### Eggplant (1)

| Insects<br>Controlled  | Rate of<br>Application  | Method of<br>Application   |
|--|-------------------------|--|
| Blister Beetle<br>Colorado Potato Beetle<br>Flea Beetles<br>Green Peach Aphid<br>Green Stink Bug | 1 to 2 bags<br>per acre | Make applications when<br>insects appear or feeding is<br>noticed. |
| Whitefly   | 2 bags per<br>acre      |  |

Do not exceed a maximum of 1.0 lb. active ingredient (i.e., 2 pounds) per acre per year.

#### Filberts (1)

| Insects<br>Controlled                                   | Rate of Application   | Method di<br>Application                                     |
|---|---|--|
| Filbert Aphid<br>Filbert Bud Mite<br>Filbert Leafroller | 1 bag per<br>100 gal-<br>lons or 3 lo<br>4 bags per<br>acre | Maks applications when insects appear or feeding is noticed. |

Do not graze livestock on orchard crops or quasses in treated areas. Do not make more than 2 applications per year, Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 4 quarts) per scre per year.

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| Insects  | Rate of   | Method of  |
|--|---|--|
| Controlled   | Application   | Application  |
| Grape Leathopper<br>Grape Phylloxera (leaf<br>form)<br>Rose Chafer | 1 bag per<br>100 gal-<br>ions or 2 to<br>3 bags per<br>acre | Make applications when insects appear or feeding is noticed. |

Do not use on Baca No. 1, Baca Noir, Seibel 7053 (Chancellor), Seibel 8375 (Colobel), Seibel 13053 (Cascade) or Concord varieties as severe injury is likely to occur.
Do not make more than 3 applications per year.
Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 4 quarts)

per acre per year.

Kale (21)

| Insects<br>Controlled  | Rate of<br>Application |  |
|--|------------------------|--|
| Cabbrige Fies Beetle<br>Harlequir, Bug<br>Imported Cabbageworm | 2 acres                | Make applications when<br>insects appear or feeding is<br>noticed. |

Do not make more than one application per year. Do not exceed a maximum of 0.75 lb. active ingredient (i.e., 1½ pounds) per acre per year.

#### Lettuce (14)

| Insects<br>Controlled   | Rate of<br>Application | Method of Application  |
|---|------------------------|--|
| Cabbage Looper Diamondback Moth larvae Green Peach Aphid Imported Cabbageworm Leafhoppers | 2 bags per<br>acre     | Make applications when insects appear or feeding is noticed. |
| Armyworms<br>Whitefly   |                        |  |

On Head Lettuce: Do not exceed 3 applications after thinning. Remove

wrapper leaves at harvest.
On i.eef Lettuce: Do not make more than 2 applications per year.

Do not feed crop refuse to livestock.

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year,

Mustard Greens (21)

| insects  | Rate of     | Method of  |
|--|-------------|--|
| Controlled   | Application | Application  |
| Aphids Cabbage Looper Diamondback Moth larvae Fall Armyworm Flea Beetles Harlequin Bug Imported Cabbageworm Leafhoppers Whitefly | LOGIT SCOR  | Make applications when insects appear or feeding is noticed. |

Do not make more than one application per year. Do not exceed a maximum of 1.0 lb. active ingredient (i.e., 2 pounds) per acre per year.

| Pear | • (7 |  |
|------|------|--|
| ,    | •    |  |

| insects<br>Controlled                                       | Rate of<br>Application  | Method of<br>Application   |
|---|---|--|
| Green Fruitworm<br>Tamished Plant Bug                       | 1 bag per<br>100 gal-<br>lons or 4 to<br>5 bags per<br>acre           | Make applications at white bud or petal fall when insects appear or feeding is noticed.  |
| Pear Psylla   | 5 bags per<br>acre  | Apply in a minimum of 10 gal-<br>lons of water for aerial appli-<br>cation or in 300 gallons of<br>water for dilute application.<br>Apply when adults are first<br>observed or nymphs are small<br>and repeat to maintain control. |
| Pear Rust Mite<br>Consperse Stink Bug<br>(foliar treatment) | 1 bag per<br>100 gal-<br>lons or 4 to<br>5 bags per<br>acre           | Make applications when insects appear or feeding is noticed. Stink Bugs must be wet by spray to obtain control.  |
| Consperse Stink Bug<br>(soil treatment)                     | 1 bag per<br>100 gal-<br>lons; 200<br>to 400 gal-<br>lons per<br>acre | Apply to orchard floor and around trees prior to bloom.  |
| Pear Leaf Blister Mite                                      | 1 to 2 bags<br>per 200<br>gallons                                     | Apply as a post harvest or dor-<br>mant treatment.   |

Do not feed cull fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications per year.
Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds)

per acre per year.

Note: Aerial application may not result in satisfactory control and should only be employed if impossible to apply by ground.

#### Peas (Seed Crop Only) (1)

| Insects<br>Controlled  | Rate of<br>Application | Method of<br>Application   |
|--|------------------------|--|
| Pea Aphid<br>Pea Weevil  | per acre               | Make applications when<br>insects appear or feeding is<br>noticed. |
| Use only on peas to be I<br>Do not feed treated vine:<br>graze in treated fields.<br>Do not make more than | s or threshings (      | to livestock or allow livestock to                                 |

Do not make more than 2 applications per year. Do not exceed a maximum of 1,5 lbs. active ingredient (i.e., 3 pounds) per acre per year. Pecans

| Insects<br>Controlled                                   | Rate of<br>Application             | Method of Application  |
|---|------------------------------------|--|
| Black Pecan Aphid<br>Pecan Nut Casebearer<br>Spittlebug | 3 bags per<br>200 gal-<br>lons     | Make applications when insects appear or feeding is no ticed. For Casebearer, apply when eggs of first generation appear on the tips of the young nuts. Another application may be required after the second generation of eggs is deposited. For Spittlebug, apply when first leaves are half grown and repeat as required. |
| Pecan Leaf Phylloxera                                   | 2 to 3 leags<br>per 206<br>gallens | Apply-when nymphs appear<br>and before they are enclosed<br>in plant tissue. For high popu-<br>lations, use the higher rate.   |

Do not apply after shuck spirt.
Do not graze livestock on outhand crops or yearnes in treated areas.

Do not make more than 2 applications per year. Do not exceed a maximum o. 3.3 lbs. active ingredient (i.e., 6 pounds) per acre par year.



#### eppers (1)

| Insects<br>Controlled   | Rate of Application | Method of<br>Application                                     |
|---|---------------------|--|
| lea Beetles<br>Breen Peach Aphid<br>Iomworms<br>Pepper Maggot | acre                | Make applications when insects appear or feeding is noticed. |

To not make more than 2 applications per year.

To not exceed a maximum of 1.0 lb. active ingredient (i.e., 2 pounds) per acre per year.

eppers (4)

| Insects<br>Controlled   | Rate of<br>Application  | Method of<br>Application                                     |
|---|-------------------------|--|
| Armyworms<br>Flee Beetles<br>Green Peach Aphic<br>Hornworms<br>Leafhoppers<br>Pepper Maggot | 1 to 2 bags<br>per acre | Make applications when insects appear or seeding is noticed. |
| <b>Whitefly</b>   | 2 bags per<br>acre      |  |

o not make more than 2 applications per year. o not exceed a maximum of 2.0 lbs. active ingredient (i.e., 4 pounds) er acre per year.

#### ineapple (For Fresh Market Only) (7)

| 1                    |                        |   |
|----------------------|------------------------|---|
| Insects<br>introlled | Rate of<br>Application | Method of<br>Application  |
| Pineapy ~ Fruit Mite | per acre               | Make applications when insects appear or feeding is noticed. Apply at intervals of 7 to 10 days, if necessary, particularly during the 40 day |

Do not feed treated forage or pineapple by-products to livestock. Do not make more than 2 applications per year. Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) er acre per year.

| Insects Controlled Application Fuittree Leafroller Pacific Northwest Only) Aphids (including Hop Aphid, Leafcurl Plum Aphid, Thistie Aphid) Plum Rust (Nursery) Mite  Peach Twig Borer  1 bag per 100 gallons or 4 to 5 bags per 100 gallons or 5 to 5 bags per 100 gallons or 6 to 5 bags per |   |  | <del></del>   |
|--|---|--|---|
| Controlled Application Fruittree Leafroller Pacific Northwest Only)  Aphids (including Hop Aphid, Leafcurf Plum Aphid, Thistle Aphid) Plum Rust (Nursery) Mite  1 bag per 100 gallons or 4 to 5 bags per 100 gallons or 4 to 5 bags per acre  2 sesser Peachtree Borer  3 bags per 100 gallons or 4 to 5 bags per acre  3 bags per acre  3 bags per 100 gallons or 4 to 5 bags per acre  3 bags per acre  4 pply during pre-pink stage or growth when insects appear or feeding is noticed.  For control of aphids, apply when eggs hatch during pre bloom or petal fall. Summe applications should be made before leaves curl.  Make application when insects appear or feeding is noticed.  Apply spray to thoroughly we the trunk and main branches.  Apply spray to thoroughly we the trunk are as from ground to 5 pounds per acre; West Coast—2 to 3 bags per 200 gallons or 4 to 5 bags  Per 200 gallons or 4 to 5 bags  | lums (7), Prunes (7)                          |  |   |
| Pacific Northwest   100 gallons or 4 to 5 bags per acre   100 gallons or 4 to 5 bags per 100 gallons or 4 to 5 bags per acre   1 bag per 100 gallons or 4 to 5 bags per acre   200 gallons or 4 to 5 pounds per acre   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 bags per 200 gallons or 4 to 5 bags   2 to 3 to   |   |  |   |
| Aphid, Leafcuri Plum Aphid, Thistle Aphid) Plum Rust (Nursery) Mite  1 bag per 100 gallons or 4 to 5 bags per acre  2 saser Peachtree Borer  2 bags per 100 gallons or 4 to 5 bags per acre  2 bags per acre  3 bags per acre  4 to 5 pounds per acre; West Coast—2 to 3 bags per 200 gallons or 4 to 5 bags  | Pacific Northwest                             | 100 gal-<br>lons or 4 to   | Apply during pre-pink stage of<br>growth when insects appear<br>or feeding is noticed.  |
| asser Peachtree Borer  S bags per acre  Apply spray to thoroughly we the trunk and main branches.  Apply spray to thoroughly we the trunk and main branches.  Apply spray to thoroughly we the trunk and main branches.  Spray thoroughly to cover at bark areas from ground to scaffold limbs.  Spray thoroughly to cover at bark areas from ground to scaffold limbs.  Spray thoroughly to cover at bark areas from ground to scaffold limbs.  | Aphid, Leafcurl Plum<br>Aphid, Thistle Aphid) |  | For control of aphids, apply when eggs hatch during pre-<br>bloom or petal fail. Summer<br>applications should be made<br>before leaves curl. |
| 3 bags per 100 gallons or 4 to 5 bags per acre  3 bags per 200 gallons or 4 to 5 pounds per acre; West Coast—2 to 3 bags per 200 gallons or 4 to 5 bags  | Peach Twig Borer                              | 100 gel-<br>lons or 4 to<br>5 bags per   | Make applications when insects appear or feeding is noticed.  |
| 200 gal-<br>lons or 4 to<br>5 pounds<br>per acre; West<br>Coast—<br>2 to 3 begs<br>per 200<br>gallons or<br>4 to 5 begs  | esser Peachtree Borer                         | 100 gal-<br>lons or 4 to<br>5 bags per   | Apply spray to thoroughly wet the trunk and main branches.  |
|  | eachtree Borer                                | 200 gai-<br>lons or 4 to<br>5 pounds<br>per<br>acre; West<br>Coast—<br>2 to 3 bags<br>per 200<br>gallons or<br>4 to 5 bags | Spray thoroughly to cover all<br>bark areas from ground to<br>scaffold limbs.   |
|  |   | <u></u>  | i, j  |

o not allow livestock to graze on orchard crops or grasses in treated reas.
o not make more than 2 applications per year.
o not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) or acre per year.

#### Polatoes (1)

| Insects<br>Controlled  | Rate of<br>Application  | Method of<br>Application                                     |
|--|-------------------------|--|
| Aphids Armyworms Colorado Potato Beetle Green Stink Bug Leaflootted Bug Plant Bugs Potato Flea Beetles Potato Leaflopper Potato Tuberworm Threelined Potato Beetle | 1 to 2 bags<br>per acre | Make applications when insects appear or feeding is noticed. |
| European Com Borer<br>Potato Psyllid   | 1 to 2 bags<br>per acre |  |
| False Chinch Bug<br>Whitefly   | 2 pounds<br>per acre    |  |

per acre per year.

| Insects<br>Controlled  | Rate of<br>Application                                |  |
|--|---|--|
| Green Peach Aphid<br>Whitefly  | 2 bags per<br>acre                                    | Make applications when<br>insects appear or feeding is<br>noticed. |
| Do not apply after flower Do not make more than Do not exceed a maximuper acre per year. | r heads open.<br>2 applications p<br>um of 2.0 lbs. a | per year.<br>ctive ingredient (i.e., 4 pounds)                     |

#### Spinach (21)

| Insects<br>Controlled   | Rate of<br>Application  | Method of<br>Application   |
|---|-------------------------|--|
| Armyworms Crown Mite Flea Beetles Green Peach Aphid Leafhoppers | 3 to 4 bags<br>per acre | Make applications when<br>insects appear or feeding is<br>noticed. |
| Whitefly  | acre                    |  |

Do not make more than one application per year, Do not exceed a maximum of 1.0 to, active ingregient (i.e., 2 pounds) per acre per year.

| Insects<br>Controlled   | Rate of<br>Application                  | Method of<br>Application  |
|---|---|---|
| Meadow Spittlebug<br>Strawberry Aphid<br>Tamished Plant Bug<br>Whitefly | 2 bags per acre                         | Make applications when insects appear or feeding is noticed. Do not reapply within 15 days or more than twice during a 35-day period when fruit is present.   |
| Cyclamen Mite   | 4 bags per<br>acre<br>in 400<br>gallons | Make applications when insects appear or feeding is noticed. Thoroughly wet the foliage, stem and crown of the plant. For multiple applications, do not apply at intervals less than 35 days when fruit is present. |
| Do not make more than<br>Do not exceed a maxim<br>per acm per year.     | one application<br>um of 3.0 lb, a      | s per year.<br>tive ingredient (i.e., 6 pounds)   |

| Rate of<br>Application | Method of Application   |
|------------------------|---|
| 100 gal-<br>ions       | Mix thoroughly. Dip entire pirct. When initialising bundles of plants, make certain any trapped air is forced out to assure thorough wetting of entire plant. |
|                        | Application<br>2 bags per<br>100 gal-   |



#### Sugar Beets (30)

| Insects<br>Controlled                  | Rate of<br>Application  | Method of<br>Application   |
|--|-------------------------|--|
| Green Peach Aphid<br>Meadow Spittlebug | 1 to 2 bags<br>per acre | Make application(s) wher<br>insects appear or feeding is<br>noticed. Make one or two |
| Sugar Beet Webworm                     | 2 bags per<br>acre      | applications per year as<br>needed for control.                                      |
| Whitefly                               |                         |  |

Do not make more than 2 applications per year, Do not exceed a maximum of 2.0 lbs. active ingredient (i.e., 4 pounds) per acre per year.

#### Sunflowers (1)

per acre per year.

| Degs Der | Make englishtings when   |
|----------|--|
| ite.     | Make applications when insects appear or feeding is noticed. Make the first application at the onset of bloom. Allow 7 days between repeal applications. |
|          | vestock.   |

Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds)

#### Sweet Corn (Fresh Vegetable Use Only) (1)

| insects<br>Controlled      | Rate of<br>Application | Method of<br>Application  |
|----------------------------|------------------------|---|
| Com Leaf Aphid<br>Whitefly | 2 bags per<br>acre     | Make applications when<br>insects appear or feeding is<br>noticed.  |
| Com Earworm                | 3 bags per<br>acre     | Apply when silks first appear<br>and continue until they begin<br>to dry. Allow 5 days between<br>applications. |

Do not apply to Sweet Com to be processed.

Do not feed treated forage or ensilage to livestock or allow livestock to

graze in treated fields.
Do not make more than 3 applications per year.
Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds)

per acre per year,

#### Sweet Potatoes (1)

| Rate of<br>Application | Method of  |
|------------------------|--|
|                        | Application  |
| 1 bag per<br>acre      | Make applications when insects appear or feeding is noticed. For flea beetle control, begin applications shortly after transplanting or as soon as flee beetles appear. For Sweet Potato Weevil control, apply in sufficient water for complete coverage. Applications may be made to transplants in the nursery and/or in the field. Repeat applications may be made as necessary. For Sweet Potato Weevil control in a clean up program, apply at a rate of 4 pounds per acre to the soil under the sweet potato nursery beds and to the area immediately surrounding the nursery beds. Do not place the seed tubers directly on the ground treated with Thiodan*. |
| 2 bags per<br>acre     | Make applications when<br>insects appear or feeding is<br>noticed.   |
| per acre<br>broadcast  | Work into the soil to a depth of<br>approximately 3 inches.<br>Treatment should be made<br>just prior to plant set.  |
|                        | 2 bags per<br>acre 2 to 4 bags<br>per acre<br>to 4 bags<br>per acre<br>on a 16<br>inch band<br>over the<br>row (48<br>inch row   |

Do not feed cull potatoes to livestock or allow livestock to graze in treated fields.

Do not make more than 3 applications per year. Do not exceed a maximum of 3.0 fbs. active ingredient (i.e., 6 pounds) per acre per year.

<u>;</u> \*

#### Tobacco (5)

| Insects  | Rate of                                      | Method of  |
|--|--|--|
| Controlled   | Application                                  |  |
| Aphids (including Green<br>Peach Aphid, Tobacco<br>Aphid)<br>Budworm<br>Cabbaga Looper<br>Flea Beetles<br>Hornworms                          | Seed Bed:<br>1 bag per<br>100 gal-<br>lons   | Make applications when insects appear or feeding is noticed. Apply about 6 gallons of finished spray per 100 square yards. |
| Green June Bug larvae  | Plant Bed:<br>1 bag per<br>100 gal-<br>ions  | Make applications when insects appear or feeding is noticed. Drench at a rate of 1 gallon per square yard.                 |
| Aphids (including Green<br>Peach Aphid, Tobacco<br>Aphid)<br>Budworm<br>Cabbage Looper<br>Flea Beetles<br>Green June Bug larvae<br>Hornworms |  | Make applications when insects activity or feeding is noticed.   |
| Stink Bugs   | Field: 2 to<br>3 bags ner<br>100 gel<br>lons | •  |

Do not make more than 6 applications per year [Do not exceed a maximum of 0.0 % s. active ingredient (i.e., 6 pounds) per acre per year.



| Insects<br>Controlled  | Rate of<br>Application                         | Method of<br>Application                                     |
|--|--|--|
| lphids 3lister Beetles Colorado Potato Beetle Tea Beetles Fornato Hornworm Nebworm (California Only) | 1 to 2 bags<br>per acre                        | Make applications when insects appear or feeding is noticed. |
| Cabbage Looper<br>Stink Bugs   | 2 bags per<br>acre                             |  |
| Tomato Fruitworm Tomato Russet Mite Whitelly Yellowstriped Armyworm                                  |  |  |
| Whitefly   | 1 bag per<br>100 to 200<br>gallons of<br>water |  |

Do not make more than 6 applications per year. Do not exceed a maximum of 3,0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

#### **Nalnuta**

| Insects    | Rate of     | Method of  |
|------------|-------------|--|
| Controlled | Application | Application  |
|            | bet scue    | Make applications when<br>insects appear or feeding is<br>noticed. |

Do not apply after husk split. Do not graze livestock on orchard crops or grasses in treated areas.

Do not make more than 2 applications per year.
Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

### **COMMERCIALLY GROWN ORNAMENTALS**

#### **Ornamental Plants**

Leatherleaf Form (Leather Holly Form)

| Rate of<br>Application        | Method of<br>Application  |
|-------------------------------|---|
| 1 bag per<br>100 gal-<br>ions | Begin treatment when first larval feeding is observed in the mid-vein area at the base of the leaflets. Repeat at intervals of 2 to 3 weeks as necessary. |
|                               | Application 1 bag per 100 gal-  |

#### Ornamentals (Greenhouse, and Out-of-Doors)

| insects  | Rate of                       | Method of  |
|--|-------------------------------|--|
| Controlled   | Application                   | Application  |
| Aphids<br>Cyclamen Mite<br>Rose Chaler<br>Whitefly | 1 bag per<br>100 gal-<br>lons | Make applications when insects appear or feeding is noticed. |

On chrysanthemums, best results will be obtained if applied before

plants flower.
Do not apply to "Bonnafon Deluxe", "Fred Shoesmith", and "White

Knight chrysanthemums as injury may result.
Do not use on Birch trees.
Do not exceed a maximum of 3.0 lbs. active ingredient (i.e., 6 pounds) per acre per year.

**Ornamental Trees and Shrubs** 

| Insects<br>Controlled                       | Flate of<br>Application           | Method of<br>Application  |
|---|-----------------------------------|---|
| Dogwood Borer<br>Lilac Borer                | 1 to 2 bags<br>per 100<br>gallons | Apply in early June and repeal<br>in 10 to 14 days. Drench all<br>bark areas down to the ground<br>level. |
| Do not exceed a maxin<br>per acre per year, | num of 3.0 ibs. •                 | ctive ingredient (i.e., 6 pounds)   |

#### Souglas Fir (Grown for Ornamentals, Nursery Stock or Christmas trees—Pacific Northwest Only

| Insects   | Rate of                       | Method of   |
|---|-------------------------------|---|
| Controlled  | Application                   | Application   |
| Aphids<br>Cooley Spruce Gall<br>Adelgid<br>Douglas Fir Needle Midge | 1 bag per<br>100 gal-<br>lons | Arake applications wher insects appear or feeding is noticed. For control of gall adelgid, apply when white cot tony tufts appear. For control of needle midge, apply in late April or early May just before buds open. |

per acre per year.

#### Pines (Austrian, Jack, Red, Scotch, White)

| Method of<br>Application  | n  | Application                    | Insects<br>Controlled |
|---|----|--------------------------------|-----------------------|
| nid-April and again,<br>sary, in late fall,<br>y wet bark and main<br>specially where<br>oin main stem. |    | 3 bags per<br>200 gal-<br>lons | merman Pine Moth      |
| ij  | Įt | of 3 O lbs                     | not exceed a maximum  |

per acre per year.

#### Shade Trees (except Birch), Shrubs

| Insects<br>Controlled | Rate of<br>Application | Method of<br>Application                                     |
|-----------------------|------------------------|--|
| Aphids                | 100 gal-               | Make applications when insects appear or feeding is noticed. |
| <u> </u>              |                        | ctive ingradient (i.e. 6 pounds)                             |

per scre per year.

#### Spruce (New England Area Only)

| Insects<br>Controlled | Rate of<br>Application         | Method of<br>Application   |
|-----------------------|--------------------------------|--|
| Spruce Gall Aphid     | 1 bag per<br>100 gal-;<br>lons | Apply in late Appli or early May which aphids are present but balore galls are formed. |
|                       |                                |  |

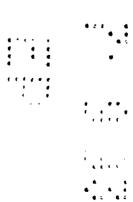
Do not exceed a maximum of 3.0 fbs. surveringredient (i.e., 6 pounds) per acre per year.

| 1 | 0               | / | 3 |
|---|-----------------|---|---|
| ł | $\smile$ $_{I}$ | , |   |

| insects<br>Controlled                       | Rate of<br>Application         | Method of<br>Application   |
|---|--------------------------------|--|
| Taxus Bud Mite                              | 1 bag per<br>100 gal-<br>ions  | Make 3 to 5 applications<br>beginning in mid-May.<br>Thoroughly spray foliage,<br>twigs, and bark.                     |
| Black Vine Weevil                           | 2 bags per<br>100 gal-<br>lons | Sprey thoroughly and drench<br>soil under the plants. Apply<br>when the weevils first appear<br>and repeat in 14 days, |
| Do not exceed a major<br>per acre per year. | num of 3.0 lbs. a              | ctive ingredient (i.e., 6 pounds)  |

#### NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all reponsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.



#### CALIFORNIA SUPPLEMENTAL LABEL

### PROCEDURES FOR REDUCING RISK OF CONTAMINATION OF AQUATIC ECOSYSTEMS

#### FOR CROP USES LISTED ON THE PRODUCT LABEL

Endosulfan may be a source of contamination in aquatic ecosystems as a result of run-off from agricultural land due to discharge of irrigation water or during periods of heavy rainfall.

To minimize the chance of aquatic impact, the following conditions must be met to allow endosulfan applications:

#### DIRECTIONS FOR USE (General)

IN ADDITION TO SPECIFIC INSTRUCTIONS UNDER DIRECTIONS FOR USE ON THE PRINCIPAL LABELS, THE FOLLOWING CONDITIONS MUST ALSO BE FOLLOWED FOR USE IN CALIFORNIA:

- 1. Do not apply this product to fields during irrigation or for 72 hours following an irrigation.
- 2. Do not apply this product through any type of irrigation system.
- Do not apply more than 1.5 lbs. a.i./acre/application or more than 3.0 lbs. a.i./acre/season. (Orchard crops and strawberries exempted on rate/acre/application restriction.)
- 4. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.
- Do not apply by ground or air within a distance of 300 feet to natural bodies of water including lakes, ponds, streams and estuaries.

#### FOR DRIFT CONTROL

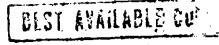


- All application equipment should be properly maintained and calibrated using appropriate carriers.
- 2. Do not make aerial or ground applications during temperature inversions.
- 3. Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 10 mph. Do not discharge at a height of more than 10 feet above

the crop or target.

- 4. For aerial application a positive shutoff system shall be in place to control flow of liquid to spray nozzles as follows: each individual nozzle shall be equipped with a check valve and the flow controlled by a suckback device or a boom pressure release device; or each nozzle shall be equipped with a positive action valve.
- 5. For aerial applications, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor vortices. The working boom length must not exceed 75 percent of wing span or rotor diameter.
- 6. Aircraft boom pressure shall not exceed 40 pounds per square inch.
- Aircraft nozzles shall be equipped with orifices directed backward parallel to the horizontal axis of the aircraft in flight.
- 8. Aircraft nozzles shall not be equipped with any device or mechanism which would cause a sheet, cone, fan, or similar type dispersion of the discharged material except as otherwise provided.
- 9. Fixed wing aircraft and helicopters operating in excess of 60 mph shall be equipped with jet nozzles having an orifice not less than 1/16 inch in diameter (D-4 or larger).
- 10. Helicopters operating at 60 mph or less shall be equipped with nozzles having an orifice not less than 1/16 inch in diameter. A number 46 or equivalent whirlplate may be used.
- 11. For ground applications, equipment other than handguns shall be equipped with nozzles having an orifice not less than 1/16 inch in diameter or larger. Boom nozzles shall be operated at a boom pressure not to exceed 30 pounds per square inch.

#### ACCEPTABLE SITES FOR ENDOSULFAN APPLICATION



- 1. FIELDS, WITH NO DRAINS, HAVING CONTAINMENT THROUGH BERMS (able to hold irrigation water and normal rainwater), LEVEES AND NON-DRAINING CIRCULATION SYSTEMS.
- 2. FIELDS WITH DRAINS, BUT DRAINAGE FLOWS TO SUMP, FARM POND, EVAPORATION POND OR RECIRCULATION SYSTEM WITHOUT DRAINAGE (uncontrollable overflow acceptable, e.g., 10 or 100 year flood). Only grower maintained recirculation systems without drainage are acceptable.

3. FIELDS WITH SURFACE DRAINS THAT NATURALLY FLOW ONTO PASTURELAND OR PALLOW FIELDS THAT HAVE NO CHANNELED DRAINAGE AND ARE AT LEAST 300 FEET LONG.

#### UNACCEPTABLE SITES FOR ENDOSULFAN APPLICATION

- 1. FIELDS DRAINING DIRECTLY INTO SURFACE WATERS SUCH AS STREAMS, RIVERS, LAKES, PONDS, MARSHES, BAYS, ESTUARIES, OR THE OCEAN.
- FIELDS DRAINING INTO SURFACE DRAINAGE DITCHES OR CANALS THAT FLOW DIRECTLY INTO SURFACE WATERS SUCH AS STREAMS, RIVERS, LAKES, PONDS, MARSHES, BAYS, ESTUARIES, OR THE OCEAN.
- 3. ANY AND ALL FIELDS WITH SURFACE DRAINAGE PATTERNS IN THE MOSS LANDING DRAINAGE SYSTEM HAVING MAIN ARTERIES THAT DRAIN INTO THE ELKHORN SLOUGH (northern portion of Monterey County).
- 4. ANY AND ALL FIELDS WITH DRAINAGE PATTERNS IN THE SAN DIEGO CREEK DRAINAGE SYSTEM HAVING MAIN ARTERIES THAT DRAIN INTO NEWPORT BAY.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA REGISTERED LABEL ARE TO BE FOLLOWED.

THIS LABELING MUST BE IN THE POSSESSION OF THE USE AT THE TIME OF PESTICIDE APPLICATION.

