2/28/2003



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES 1/7

Ms.Luz Piwonka Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327

FEB 2 8 2003

Dear Ms. Piwonka:

Subject: Amendment - Update to match use patterns and limitations appearing on source material label [delete Leatherleaf Fern, Succulent Ornamentals (greenhouse and out-of-doors), and Macadamia Nuts] Drexel Endosulfan 2 EC EPA Registration Number 19713-99 Your submission dated February 4, 2003

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy is enclosed for your records.

When preparing the finished label, please incorporate the following revisions:

- a. On the front panel, under "For Agricultural or Commercial Use Only" add "Not for use or storage in or around residential sites - see DIRECTIONS FOR USE for prohibited areas.".
- b. In the ingredients statement, add the missing hyphen before "3-oxide".
- c. In the beginning of the DIRECTIONS FOR USE, replace "NOT FOR USE OR STORAGE IN OR AROUND THE HOME" with "NOT FOR USE OR STORAGE IN OR AROUND RESIDENTIAL SITES, INCLUDING HOMES. NON-AGRICULTURAL OUTBUILDINGS, NON-COMMERCIAL GREENHOUSES, RECREATION VEHICLES, PRESCHOOLS, DAY CARE CENTERS, AND NOT FOR APPLICATION TO HUMANS AND PETS."
- d. Delete the unsupported crop Macadamia Nuts, which does not appear on your endosulfan MUP label.
- e. For the crop Peas, revise the Crop column entry to read "Peas, Succulent (except seed crop)(Northwest Only)".

f. Under the heading COMMERCIALLY GROWN ORNAMENTALS add GROWN OUTDOORS ONLY so that it appears above the subheading Ornamental Trees and Shrubs.

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Please submit 5 copies of labeling bearing the above revisions as soon as it becomes available. Thank you for your prompt cooperation in this regard.

I,

Sincerely,

DanaRPalitt

2/7

George T. LaRocca Product Manager 13 Insecticide Branch Registration Division (7505C)

With COMMENTS En EPA Letter Dated: FEB 2 8 2003

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



Endosulfan 2EC

For Agricultural or Commercial Use Only ACTIVE INGREDIENT:

Endosulfan (Hexachlorobexabydronethano-

| Endosultan (Hexachioronexanydronethano- | |
|---|--------|
| 2,4,3-benzodioxathiepin 3-oxide)* | 24.6% |
| OTHER INGREDIENTS**: | 75.4% |
| TOTAL | 100.0% |

*This product contains 2 pounds Endosulfan per gallon. **Contains xylene range aromatic solvent.



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below SHAKE WELL BEFORE USING

EPA Reg. No: 19713-99 EPA Est. No: 19713-MS-1

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Net Contents: _

FIRST AID

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. 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 the skin. It may cause convulsions. There is no specific antidote. Diazepam i.v. is the drug of choice. Barbituric acid derivatives such as phenobarbital may be used additionally. A neuromuscular 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. This product contains petroleum hydrocarbons (xylene range aromatic solvent). Care should be taken to prevent aspiration because of the possibility of chemical pneumchia re pulmonary edema due to the organic solvent in the formulation.

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

DANGER: Fatal if swallowed. May be fatal if inhaled or absorbed through skin. Causes moderate eye irritation. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing. Do not use or store near food or feed products. Do not use or store in or around the home. Keep out of reach of domestic animais. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides. (Continued)

PRECAUTIONARY STATEMENTS (Continued)

PERSONAL PROTECTIVE EQUIPMENT (PPE) Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart. Applicators and other handlers must wear: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or viton, chemical-resistant footwear plus socks, protective eyewear, a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticidesw (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter and chemical-resistant headgear for overhead exposure and chemicalresistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing Immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish, birds and other wildlife. Birds and other wildlife 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 killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. 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.

BEE CAUTION: This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop or weeds blooming in the treatment area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.



CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flames DIRECTIONS FOR USE

sistent with its labeling. DO NOT APPLY THIS PRODUCT THROUGH ANY TOPE OF IMPIGATION SYSTEM. This product is act intended for use in CA. Do not apply this product in a way that will contact, workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry Interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soll or water is: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or viton, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME. DO NOT USE IN UNDILUTED FORM.

Apply the listed amount per acre when insects first appear and repeat as required, unless otherwise noted, to maintain effective control. Unless otherwise noted, use in sufficient water for thorough coverage, unless otherwise noted, for listed crops. Coverage of upper and lower leaf surface is essential for good control. For ground application, apply recommended amount of pesticide in a minimum of 10 gallons of water per acre on vegetable or row crops. Observe use limitations, If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of ENDOSULFAN 2EC used. Do not plant root crops other than Carrots, Potatoes, Sugar beets and Sweet polatoes as follow-up crops. Observe PHI (Pre-Harvest Intervals).

| Сгор | Pests | Rate of Application | PHI (Days) |
|---------|---|-------------------------|--|
| Almonds | (Early infestion of): Peach twig borers | 4 to 5 qts. per acre | - |
| | SPECIFIC DIRECTIONS: Apply during popcom, pink or petal fall for control of early season infestation. Use in a minimum of 200 gals. of water per acre (dilute) or in 40 gals, per acre (concentrate). For areas less than 1 acre, use 1 qt. per 100 gals. of water. NOTE: Do not graze livestock on orchard crops or grasses in treated areas. Treated hulls may be fed to livestock and dairy animals. Do not make more than 1 application per year. Do not exceed a maximum of 2½ lbs. of active ingredient (i.e., 5 qts.) per acre per year. | | |
| Apples | Apple aphids, Apple rust mitas, Rosy apple aphids SPECIFIC DIRECTIONS: Apply when pests appear or feeding is noticed. If necessary, prior to petal fall, use 12 qts. per 100 gals. to control Apple aphids and Rosy apple aphids. NOTE: Do not feed pomace from treated Apples to livestock. Do not feed cull fruits to animals or allow livestock to graze in treated orchards. For all uses, do not make more than 2 applications during the fruiting period. Do not axceed a maximum of 3 lbs. of active ingredient (i.e., 4 quarts) per acre per year. | | 21 |
| | | | etal fail, phids ples to or allow I uses, g the plica- f 3 lbs. |

| Cron | Pests | Rate of Application | PHI (Days |
|---|--|---|--|
| Aprizots, Peaches, Nactarines | Black shorry aphids, Black peach aphids, Cattacing insects, Green peach aphids, Peach silver mites, Peach twig borers, Rusty plum aphids | 1 ot. per 100 gais, of water or a maximum of 5 ots, per acre | 30 |
| | SPECIFIC DIRECTIONS: or feeding is noticed. NOTE: Do not feed cull fin livestock to graze in treate do not make more than 2 not exceed a maximum of (i.e., 6 qts.) per acre per y | uits to animals or a of orchards. For al applications per yo 3 lbs. of active in | allow I uses, ear. Do |
| | Lesser peach tree borers, Peach tree borers | 1½ qts. per 100 gals. of water or a maximum of 5 qts. per acre Southeastern States: 3 to 5 qts. per 100 gals. of water | 21 |
| | SPECIFIC DIRECTIONS: Bes with a single application post- week of September. Spray all ground level to lower scaffold NOTE: Do not feed cull fruits graze in treated areas. For all more than 2 applications per a maximum of 3 lbs. of active per acre per year. | | the firs m ock to nake xceed |
| Beans (Dry and Succulent - Except Lima beans) | Black bean aphids, Bean leaf skeletonizers, Cucumber beetles, Green stink bugs, Mexican bean beetles | 1 to 2 qts. per acre | 3 |
| , | Western bean cutworms | 2 qts. per acre | |
| | SPECIFIC DIRECTIONS: Apply when or feeding is noticed. NOTE: Do not feed treated threshing: livestock to graze in treated fields. Do Lima beans as plant injury may occur do not make more than 3 applications not exceed a maximum of 3 lbs. of ad (i.e., 6 qts.) per acre per season. | | ow se on Il uses, ear, Do |
| Blueberries | Blueberry bud mites | 3 qts. per acre in 300 gals. of water | _ |
| 1 | SPECIFIC DIRECTIONS: . immediately after harvest later. NOTE: Do not apply after not make more than 2 app exceed a maximum of 3 lk (i.e., 6 qts.) per acre per y | and repeat 6 to 8 buds are well form blications per year. bs. of active ingred | ned, Do Do not |
| Broccoli, Cabbage | Cabbage aphids, Cabbage loopers, Cross- striped cabbageworms, Diamondback moth larvae, Flea beetles, Harlequin bugs, Imported cabbageworms, Stink bugs | 1½ to 2 qts. per acre | 7 |
| | Armyworms, Cutworms | 2 qts. per acre | L |
| | SPECIFIC DIRECTIONS: or feeding is noticed. NOTE: For all uses, do no cations per year. Do not e | | |

| Crop | Pests | Rate of Application | PHI (Days) | |
|--------------------------------|---|--|------------------------------|--|
| Caultfower | loopers, Cross-striber cabbageworms, Diamond- back moth lorvae, Fisa beetles, Harlequin bugs, Imported cabbageworms, Stink bugs | 2er, 306) | | |
| | Armyworms, Cutworms | 2 qts. per acre | 1 | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: For all uses, do not cations per year. Do not ex of active ingredient (i.e., 6 d | pply when pests a make more than ceed a maximum | 4 appli- of 3 lbs. | |
| Carrots | Green peach aphids | 1 to 2 qts. per acre | 7 | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: Do not use tops for more than 1 application per maximum of 1 lb. of active per acre per year. | food or feed. Do r year. Do not exc | not make eed a | |
| Celery | Green peach aphids | 1 qt. per acre | 4 | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: Do not exceed a maingredient (i.e., 2 qts.) per a | aximum of 1 lb. of | | |
| | Green peach aphids | 1 qt. per acre | 7 | |
| | or feeding is noticed. NOTE: Do not exceed a ma | SPECIFIC DIRECTIONS: Apply when pests appear or feeding is noticed. NOTE: Do not exceed a maximum of 1 lb, of active ingredient (i.e., 2 qts.) per acre per year. | | |
| Chemies | Black cherry aphids, Plum rust (nursery) mites | 1 qt. per 100 gals. of water or 4 to 5 qts. per acre | 21 | |
| | or feeding is noticed. Mined qts. per 100 gals, of water. dormant period. NOTE: Do not feed cull frui livestock to graze in treated do not make more than 2 a not exceed a maximum of (i.e., 6 qts.) per acre per ye | Apply in the delay its to animals or a d orchards. For all applications per ye 3 lbs. of active ing | llow uses, ar. Do | |
| Cherry, Peach, Plum Nursery | Peachtree borers | 4 qts. per 40 gals. of water | - | |
| Stock Dip | SPECIFIC DIRECTIONS: M the bundles of trees so that covered well above the gra NOTE: Plant immediately of storage. Full Personal Proto requirements for applicator operation. | t the roots and cro ifting scar. In dry before retuπ ective Equipment | owns are ning to (PPE) | |
| Collards | Cabbage loopers, Diamondback, moth larvae, Harlequin bugs, Imported cabbageworms | 1½ to 2 qts. per acre | 21 | |
| - | SPECIFIC DIRECTIONS: Apply when pests app or feeding is noticed. NOTE: For all uses, do not make more than 1 a cation per year. Do not exceed a maximum of 1 of active ingredient (i.e., 2 qts.) per acre per year | | 1 appli- | |
| Cotton | Boli weevils | 1 to 3 qts. per acre | - | |
| | Boilworms, Cabbage loopers, Cotton leaf perforators, Lygus bugs, Stink bugs | 2 to 3 qts. per acre | | |
| | Thrips | 3 qts. per acre | <u> </u> | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: Applications may be | | ind or | |

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|---|---|--|---|-----|
| Сгор | | Rate of Application | PHI (Days) | 11 |
| Meions, Sumnier aud Winter squash | beetles, Striped fiea Sectics, Molouworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers | n to 2 ats per acre | 2 | |
| | Cabbage loopers, Omnivorous leafrollers | 2 qts. per acre | | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. For S apply weekly to flower buds ning when moths first appe. NOTE: For all uses, do not cations per year. Do not exu of active ingredient (i.e., 6 do | quash vine borer a, stems and vines ar. make more than ceed a maximum | control, begin- 6 appli- of 3 lbs. | |
| Eggplant | Blister beetles, Colorado potato beetles, Flea beetles, Green peach aphids, Green stink bugs, Whiteflies | 1 to 2 qts. per acre | 1 | |
| · | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: For all uses, do not applications per year. Do no ingredient (i.e., 2 qts.) per a | make more than ot exceed 1 lb. of | 2 | |
| Grapes | Grape leafhoppers | 1 qt. per 100 gais. of water or 2 to 3 qts. per acre | 7 | |
| · | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: Do not use on Conc plant injury is likely to occur preferred. Do not make moi year. Do not exceed a max ingredient (i.e., 6 qts.) per a | cord variety as sen r. Ground applicat re than 3 applicat imum of 3 lbs. of | vere ion is ions per | |
| Kale´ | Flea beetls, Harlequin bugs, Imported cabbage- worms | 1½ qts. per acre | 21 | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: For all uses, do not cation per year. Do not exc of active ingredient (i.e., 1% | make more than eed a maximum o | 1 appli- of 0.75 lb. | |
| Lettuce | Cabbage loopers, Green peach aphids, Diamond- back moth larvae, Imported cabbageworms | 1½ to 2 qts. per acre | 14 | |
| | SPECIFIC DIRECTIONS: A or feeding is noticed. NOTE: <u>On Head lettuce</u> ; Do applications after thinning. I harvest. <u>On Leaf lettuce</u> ; Do applications per year. For a refuge to livestock. Do not lbs. of active ingredient (i.e. | o not make more t Remove wrapper o not make more Il uses, do not fee exceed a maximu | than 3 leaves at than 2 ind crop m of 3 | |
| Macadamia nuts | Southern green stink bugs | 2 qts. per 100 gais. of water | 1 | |
| | SPECIFIC DIRECTIONS: A feeding is noticed. NOTE: Do not graze livesto grasses in treated areas. Di of 3 lbs. of active ingredient year. | ck on orchard cro o not exceed a m | ps or aximum | |
| Mustard greens | Aphids, Cabbage loopers, Imported cabbageworms | 1½ to 2 qts. per acre | 21 | |
| | SPECIFIC DIRECTIONS: A feeding is noticed. NOTE: For all uses, do not cation per year. Do not exc active ingredient (i.e., 2 qts. | make more than sed a maximum o | 1 appli- f 1 lb, of | |
| Pears | Consperse stink bugs (Soil treatment) | 1 qt. per 100 gals. of water or 200 to 400 gals. per acre | 7 | |
| | SPECIFIC DIRECTIONS: A | ppiy to orchard flo | xor and | |

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| Crop | Pests | Rate of Application | PHI (Days) | |
|--|--|--|---|--|
| Continuea Peors | Consperse strik bogs (Foliar treatement) | i gt. per 100 gais. of water or 4 to 5 ints, per acre | J | |
| | NOTE: Stink bugs must be wet by spray to obtain control. | | | |
| | Pear rust mites | 1 qt. per 100 gals. of water | 7 | |
| | SPECIFIC DIRECTIONS: A feeding is noticed. | pply when pests ap | pear or | |
| | Pear leaf blister mites | ½ to 1 qt. per 100 gais. of water | 7 | |
| | SPECIFIC DIRECTIONS: A harvest or dormant treatme | | ost- | |
| | Pear psylla | 5 qts. per acre | 7 | |
| | SPECIFIC DIRECTIONS: A gals. of water for aerial ap water for dilute application. observed or nymphs are si control. NOTE: Do not feed cull fru stock to graze in treated of make more than 2 applicat a maximum of 3 lbs. of act acre per year. Aerial applic factory control and should sible to apply be ground. | blication or in 300 ga Apply when adults nall and repeat to m its to animals or allo chards. For all uses ions per year. Do no ive ingredient (i.e., 6 ation may not result | IIs. of are first aintain w live- , do not ot exceed 6 qts.) per in satis- | |
| Peas, succulent (Northwest Only) | Pea aphids, Pea weevils | 1 to 2 qts. per acre | 5 | |
| | feeding is noticed. NOTE: Use only on Peas i Do not feed treated vines allow livestock to graze tre not make more than 2 app exceed a maximum of 2 lb (i.e., 4 qts.) per acre per y | or threshings to lives ated fields. For all u lications per year. D s. of active ingredier ear. | itock or ses, do o not | |
| Pecans | Black pecan aphids | 12 qts. per 100 gais. of water | - | |
| | SPECIFIC DIRECTIONS: / feeding is noticed. NOTE: Do not apply after livestock on orchards, crop areas. Do not make more Do not exceed a maximum (i.e., 6 qts.) per acre per y | shuck split. Do not g bs or grasses in trea than 2 applications p n of 3 lbs. of active in | raze led ber year. | |
| Peppers | Flea beetles, Green peach aphids, Horn- worms, Pepper maggots | 1 qt. per acre | 1 | |
| <i></i> | SPECIFIC DIRECTIONS: Apply when pest appear or fedding is noticed. NOTE: Do not make more than 2 applications per year. Do not exceed a maximum of 1 lb. of active ingredient (i.e., 2 qts.) per acre per year. | | | |
| Peppers | Flea beettes, Green peach aphids, Hom- worms, Pepper maggots | 1 to 2 qts. per acre | 4 | |
| | SPECIFIC DIRECTIONS: Apply when pests appear or feeding is noticed. NOTE: For all uses, do not make more than 2 applications per year. Do not exceed a maximum of 2 lbs. of active ingredient (i.e., 4 qts.) per acre per year. | | | |
| Piums, Prunes | Peach tree borers | 1 to 1½ qts. per 100 gals. of water or 4 to 5 qts. per acre | <u> </u> | |
| | SPECIFIC DIRECTIONS: I single application post-han September. Spray all bark lower scaffold limbs. NOTE: Do not allow livestu or grasses in treated area: applications per year. Do r tibs. of active ingredient (i. | vst during the first w areas from ground k ock to graze on orch s. Do not make more lot exceed a maxima | eek of evel to ard crops than 2 im of 3 | |

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| Crop | Pests | Rate of Application | PHI (Days) |
|----------------------------------|---|---|--------------------------|
| Tronationus | Aptinds, Ami, worms, cons- race potato beetles, Green stink bugs, Leaf-footed bugs, Plant bugs, Potato flea beetles, Potato leafhop- pers, Potato tuberworms, Three-lined potato beetles | i io ≥ qua. per abre | · |
| | European com borers, Potato psyllid | 1½ to 2 qts. per acre | |
| | False chinch bugs, Whiteflies | 2 qts. per acre | |
| İ | SPECIFIC DIRECTIONS: App feeding is noticed. NOTE: For all uses, do not m per year. Do not exceed a ma ingredient (i.e., 6 qts.) per acr | ake more than 6 appli ximum of 3 lbs. of act | cations |
| Pumpkins | Aphids, Cucumber beetles, Squash vine borers | 1 to 2 qts. per acre | 2 |
| | SPECIFIC DIRECTIONS: App feeding is noticed. For Squasi weekly to flower buds, stems moths first appear. NOTE: For all uses, do not m per year. Do not exceed a ma ingredient (i.e., 6 qts.) per acr | h vine borer control, a and vines beginning v ake more than 6 appli wimum of 3 lbs, of ac | pply when ications |
| Spinach | Crown mites, Green peach aphids | 11/2 to 2 qts. per acre | 21 |
| , | SPECIFIC DIRECTIONS: App feeding is noticed. NOTE: For all uses, do not m per year. Do not exceed a ma ingredient (i.e., 2 qts.) per act | ake more than 1 appl eximum of 1 lb. of acti | ication |
| Strawberries | Meadow spittlebugs, Strawberry aphids, Tarnished plant bugs | 1 qt. per 100 gals. or 2 qts. per acre | 4 |
| 1 | SPECIFIC DIRECTIONS: Apply a minimum of 150 gals. of water per acre. Apply when pests 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 mites | 4 qts. per acre in 400 gals. of water | 4 |
| | SPECIFIC DIRECTIONS: Apply when pests 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. NOTE: Do not make more than 3 applications per year. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | | |
| Sweet corn | Com earworms | 3 qts. per acre | 1 |
| (Fresh vegetable use only) | SPECIFIC DIRECTIONS: Apply when silks first appear and continue until they begin to dry. Allow 5 days between applications. NOTE: 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. For all uses, do not make more than 3 applications per year. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | | |
| | Com leaf aphids | 2 qts. per acre | 1 |
| | SPECIFIC DIRECTIONS: App feeding is noticed. | biy when pests appear | . or |
| Sweet potatoes | | | 1 |
| - | SPECIFIC DIRECTIONS: Begin applications shortly after transplanting or as soon as Flea beetles appear. | | |
| | Banded cucumber beetle larvae (aids in control) (South Central States Only) | 2 to 4 qts. per acre broadcast or 3 to 1% qts. per acre in a 16 inch band over the row (48 inch row spacing) | |
| | SPECIFIC DIRECTIONS: Work into the soil to a depth of approximately 3 inches making a single treatment just pri to plant set. NOTE: Do not feed cull potatoes to livestock or allow live stock to graze in treated fields. For all uses, do not make more than 3 applications per year. Do not exceed a maxi mum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | | |

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| Crop | Pests | Rate of Application | PHI (Days) | |
|--|--|--|---------------|--|
| | Sopers, Flea beetles, Green peach aphids, Hornworms, | Field: 1 to ∠igts, per acre | | |
| | SPECIFIC DIRECTIONS: / feeding is noticed. | SPECIFIC DIRECTIONS: Apply when pests appear or | | |
| | Budworms, Cabbage loopers, Flea beetles, Green peach aphids, Hornworms, | Seed Bed: 1 qt. per 100 gals. of water | 5 | |
| | SPECIFIC DIRECTIONS: ished spray per 100 sq. yo or feeding is noticed. | | | |
| | Geen June bug larvae | Plant Bed: ½ qt. per 100 gals. of water | 5 | |
| | SPECIFIC DIRECTIONS: Drench at a rate of 1 gal. per sq. yd. Apply when pests appear or feeding is noticed. | | | |
| | Stink bugs | Field: ½ to 3 qts. per 100 gals. of water | 5 | |
| | SPECIFIC DIRECTIONS: Apply when pests appear or when feeding is noticed. NOTE: For all uses, do not make more than 6 applica- tions per year. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | | | |
| Tomatoes (Field & Greenhouse) | Blister beetles, Colorado potato beetles, Flea beetles, Green peach aphids, Tomato hom- worms | 1 to 2 qts. per acre | 2 | |
| | Tomato fruitworms, Tomato russet mites, Yellow-striped armyworms | 2 qts. per acre | | |
| | Cabbage loopers, Stink bugs | 2 qts. per acre | | |
| | Whiteflies | 1 qt. per 100 to 200 gals. of water per acre | | |
| SPECIFIC DIRECTIONS: Apply when pests ap feeding is noticed. NOTE: For all uses, do not make more than 5 tions per year. [Do not exceed a maximum of 3 active ingredient (i.e., 6 qts.) per acre per year. | | applica- | | |

COMMERCIAL GROWN ORNAMENTALS

| Crop | Pests | Rate of Application |
|-----------------------------|--|---------------------------------|
| Omamentals (Greenhouse & | Aphids, Cyclamen mites, Rose chafers, Whiteflies | 1 qt. per 100 gals. of water |
| Out-of-Doors) | Nose charters, whitemes dats of water SPECIFIC DIRECTIONS apply when pests appear or feeding in hoticed. NOTE: On Chrysanthemums, best results will b ob-tained if applied before plants flower. Fo not apply to "Bonnafon Deluxe", "Fred Shoesmith" "White Knight" chrysanthemums, as plant injury may result. Do not use on Birch trees. For all uses, do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per years | |
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Ornamental Trees and Shrubs

| Сгор | Pests | Rate of Application |
|---|---|-----------------------------------|
| Pines (Austrian, Jack, Red, Scotch, White) | Zimmerman pine moths | 1½ qts. per 100 gals. of water |
| | SPECIFIC DIRECTIONS: Apply in mid-April and again, if necessary, in late Fall. Thoroughly wet bark and main stem, especially where branches join the main stem. NOTE: Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | |
| Spruce (New England | Spruce gall aphids | 1 qt. per 100 gals. of water |
| Area Only) | SPECIFIC DIRECTIONS: Apply in late April or early May when Aphids are present but before gails are formed. NOTE: Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | |

| Crop | Pests | Rate of Application | |
|----------------|---|---|--|
| Rox elder | Pox older bugs | 1 qt. per 100 | |
| | | , gais, of water (2 tsp3 per gall) | |
| | trunk when insects first ap quired in late Summer or i outside walls, fences and bugs congregate. NOTE: Food utensils such be used for food purposes ing pesticides. Don ot exc | SPECIFIC DIRECTIONS. Spray follage and trunk when insects first appear. Repeat as re- quired in late Summer or Fall. Spray tree trunks, outside walls, fences and other places where bugs congregate. NOTE: Food utensils such as spoons must not be used for food purposes after use in measur- ing pesticides. Don ot exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per | |
| Dogwood, Lilac | Dogwood borers, Lilac borers | 1 to 2 qts. per 100 gais. of water | |
| | and repeat in 10 to 14 day areas down to the ground NOTE: Do not exceed a m | SPECIFIC DIRECTIONS: Apply in early June and repeat in 10 to 14 days. Drench all bark areas down to the ground level. NOTE: Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | |
| Taxus | Taxus bud mites | 1 qt. per 100 gals. of water | |
| | tions begining in mid-May. foliage, twigs and bark. NOTE: Do not exceed a m | SPECIFIC DIRECTIONS: Make 3 to 5 applica- tions begining in mid-May. Thoroughly spray foliage, twigs and bark. NOTE: Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 6 qts.) per acre per year. | |

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

- 1. Contain spill, absorb with a material such as sawdust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with soap and water to remove remaining pesticide.
- Follow washing with soap and water to remove remaining pesticide.
- 5. Place a leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
- 6. Do not allow runoff to enter sewer.
- 7. Dispose of waste as indicated below:

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: <u>Metal Containers</u> - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. <u>Plastic Containers</u> - Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

WARRANTY-CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use of or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.