



THIOSULFAN 2EC

RECOMMENDED FOR AGRICULTURAL USE

| ACTIVE INGREDIENT: | BY WT. |
|--|---------------|
| *Endosulfan (hexachlorohexahydromethano-2,4,3-benzodioxathiepin-3-oxide) | 24.0% |
| INERT INGREDIENTS:** | 76.0% |
| TOTAL | 100.0% |

*Contains 2 pounds Endosulfan per gallon.
**Contains Xylene Range Aromatic Solvent.

KEEP OUT OF REACH OF CHILDREN
WARNING AVISO

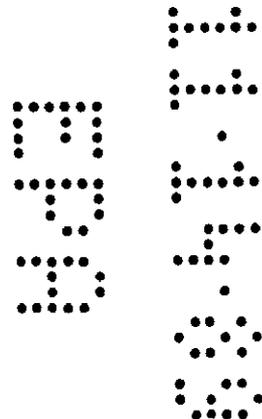
PRECAUCION AL USUARIO: Si usted no lee ingles, no use esta producto que la etiqueta la haya sido explicado ampliamente.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONS.

SEE ATTACHED BOOKLET FOR COMPLETE DIRECTIONS FOR USE.

EPA REG. NO. 34704-466 EPA EST. NO. _____

NET CONTENTS _____ GALLONS EXP-1R



Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed, inhaled or absorbed through skin! Do not breathe spray mist. Do not get in eyes, on skin or on clothing. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention. Wash thoroughly with soap and water after handling and before eating or smoking; wear clean clothing. During commercial or prolonged exposure in spray-mixing and loading operations, wear clean synthetic rubber gloves. Wear a respirator jointly approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) for pesticide application under the provisions of 30 CFR Part II, for Thiosulfan protection. Workers entering treated areas within 24 hours of application should wear protective clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame. Do not store at temperatures below 20°F.

Do not apply Thiosulfan 2 EC on crops to be followed by root crops other than carrots, potatoes and sweet potatoes.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. IF INHALED remove victim to fresh air. Apply artificial respiration if indicated. IF ON SKIN wash immediately with soap and water. IF IN EYES flush eyes for at least 15 minutes with water. Call a physician immediately.

NOTE TO PHYSICIAN: Thiosulfan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Certain states require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agricultural 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. When oral warnings are given, warnings shall be given in a language customarily 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: **WARNING.** Area treated with Endosulfan on (date of application). Do not enter without appropriate protective clothing for 48 hours. **REQUIRED PROTECTIVE CLOTHING:** Long sleeved shirt, long legged pants, rubber gloves and a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health.

DIRECTIONS FOR DILUTION

Dilute Application: Ground Application. Apply specified rate in 20 to 60 gallons of water per acre. **Orchard Application.** Apply specified rate in 100 to 800 gallons of water per acre.

Concentrate Application: Ground Application. Apply specified rate in not less than 5 gallons of water per acre. **Orchard Application.** Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

Air Application: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

STORAGE AND DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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.

STORAGE: Store in a cool, well ventilated area. **DISPOSAL:** 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.

Alfalfa: Spittlebug. Apply 1 pint per acre. Do not apply more than once application per cutting. Do not graze or cut forage within 21 days of treatment.

Apples: Apple Aphid, Rosy Apple Aphid. Apply 4 to 5 quarts per acre. Do not make more than three applications during fruiting period. Do not apply within 21 days of harvest. Do not feed pomace to livestock. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

Apricots, Nectarines: Cat-facing Insects, Green Aphid, Peach Twig Borer, Peach Silver Mite. Apply 5 quarts per acre. **Lesser Peach Tree Borer.** Apply 8 quarts per acre. For Lesser Peach Borer, thorough treatment of trunk and main branches is important. Do not make more than 2 applications during fruiting period. Do not apply within 30 days of harvest. Do not feed to animals nor allow livestock to graze treated orchards. **Artichokes: Aphids, Artichoke Plume Moth.** Apply 5 quarts per acre. Do not apply within 7 days of harvest. **Barley, Oats, Rye, Wheat: Army Cutworm.** Apply 5 quarts per acre. Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals finished for slaughter.

Beans: Bean Aphid, Bean Leaf Skeletonizer, Cabbageworm, Mexican Bean Beetle. Apply 1 to 2 quarts per acre. Do not apply more than three times per season. Do not apply within 3 days of harvest. Do not feed threshings to livestock or allow livestock to graze treated fields. Do not use on lima beans, as insects occur.

Blueberries: Blueberries Bud Mite. Apply 3 quarts per acre. Do not apply after buds are well formed. Apply immediately after harvest and repeat 6 to 8 weeks later.

Broccoli, Brussels Sprouts, Cabbage, Cauliflower: Cabbage Aphid, Cabbage Looper, Cross-Striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug. Apply 1½ to 2 quarts per acre. Do not apply within 14 days of harvest on brussels sprouts and cauliflower. Do not apply within 7 days of harvest on broccoli and cabbage.

Carrots: Green Peach Aphid. Apply 1 to 2 quarts per acre. Do not apply within 7 days of harvest. Do not use tops for food. Do not use more than three applications per season.

Celery: Aphid, Cabbage Looper. Apply 1 to 2 quarts per acre. Do not apply within 4 days of harvest. Do not use more than three applications per season.

Chinese Cabbage (including Napa or Nappa cabbage, bok choy, pak choi, mizuna): Cabbage Aphid, Diamondback Moth Larvae, Imported Cabbageworm. Apply 1 to 2 quarts per acre. Can be applied by air. Do not apply in less than 25 gallons of water per acre. Do not apply in less than 5 gallons by air. Do not apply within 7 days of harvest.

Cherries: Eye-spotted Bud Moth. Apply 4 to 5 quarts per acre. Apply during popcorn stage of growth. **Leafroller.** Apply 4 to 5 quarts per acre. Apply during prepink stage of growth. **Plum Nursery Mite.** Apply 5 quarts per acre. Do not make more than two applications after shuck split. Do not apply within 21 days of harvest. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

Collards: Cabbage Lopper, Diamondback Moth, Harlequin Bug, Imported Cabbageworm. Apply 1 to 2 quarts per acre. Do not apply within 21 days of harvest. Do not exceed one application per season.

Cotton: Boll Weevil. Apply 1 to 2½ quarts per acre. **Bollworm, Cabbage Looper, Cotton Stink Bug, Lygids, Cotton Leaf Perforator.** Apply 2 quarts per acre. Apply 3 quarts per acre. Do not apply after bloom. Do not graze meat or dairy animals in treated fields. Do not plant root crops other than carrots, potatoes, sweet potatoes as follow up crops.

Grapes: Grape Leafhopper. Apply 2 to 3 quarts per acre. Do not apply within 7 days of harvest. Do not use Concord variety.

Eggplants: *Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, White Fly.* Apply 1 quart per acre. Do not apply within 1 day of harvest. Do not exceed 0.5 pounds active ingredient endosulfan per acre.

Kale: *Flea Beetle, Harlequin Bug, Imported Cabbageworm.* Apply 1½ quarts per acre. Do not apply within 21 days of harvest. Do not exceed 1 application per season.

Lettuce (Head): *Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm.* Apply 3 to 4 pints per acre. Do not make more than three applications after thinning. Do not apply within 14 days of harvest. Remove wrapper leaves at harvest. Do not feed crop refuse to livestock.

Lettuce (Leaf): *Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm.* Apply 4 pints per acre. Do not apply within 14 days of harvest. Do not make more than two applications per season. Remove wrapper leaves at harvest. Do not feed crop refuse to livestock.

Macadamia Nuts: *Southern Green Stink Bug.* Apply 2 quarts per 100 gallons of water. Up to 7 gallons of Thiosulfan 2 ED per acre may be applied. No time limitations. Do not graze livestock in treated groves. Do not graze livestock on orchard crops or grasses in treated areas.

Melons (Cantaloupes, Muskmelons, Watermelons): *Aphids, Cucumber Beetle, Striped Flea Beetle, Pickleworm, Squash Beetle, Squash Bug, Squash Vine Borer.* Apply 2 pints per acre. For *Squash Vine Borer*, apply weekly to flower buds, stems and vines, beginning when moths first appear. Repeat as required to maintain control. No time limitations.

Mustard Greens: *Aphids, Cabbage Looper, Imported Cabbageworm.* Apply 1½ quarts per acre. Do not apply within 21 days of harvest. Do not exceed 1 application per season.

Peaches: *Black Cherry Aphid, Black Peach Aphids, Caterfacing Insects, Green Peach Aphid, Peach Twig Borer.* Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. *Rusty Plum Aphid.* Apply 4 to 5 quarts per acre. *Lesser Peach Tree Borer.* Apply 6 to 8 pints per acre. *Peach Silver Mite.* Apply 4 to 5 quarts per acre. Do not apply within 30 days of harvest. Do not make more than two applications during fruiting period. For *Lesser Peach Tree Borer*, thorough wetting of trunks and main branches is important. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

Pears: *Conspicuous Stink Bug, Pear Rust Mite.* Apply 4 to 5 quarts per acre. Do not apply within 7 days of harvest. Do not make more than two applications during fruiting period. *Stink Bugs* must be wet to obtain control. *Pear Leaf Blister Mite.* Apply 2 to 4 quarts per acre. For *Blister Mite*, apply as a post-harvest or dormant treatment. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

Peas (Suculent): *Pea Aphid, Pea Weevil.* Apply 2 quarts per acre. Do not exceed 2 applications during the fruiting period. Use only on peas to be harvested by combine. Do not feed treated peas to livestock or allow to graze in treated fields.

Peas (Southern): *Cowpea Curculio.* Apply 1 to 2 quarts per acre. Make three applications at 5 day intervals starting when pods are ½ inch long. Do not apply within 3 days of harvest. Do not feed treated threshings to livestock or allow to graze in treated fields.

Pecans: *Black Pecan Aphid, Pecan Nut Casebearer, Spittlebug.* Apply 1½ quarts per 100 gallons of water, up to 20 quarts of Thiosulfan 2 EC can be applied per acre. Do not apply after shuck split. Do not graze livestock in treated groves. For *Casebearer* apply when eggs of first generation appear on tips of the young nuts. Another application may be required after second generation eggs are deposited. For *Spittlebug*, apply when first leaves are half grown and repeat as required. Do not graze livestock on orchard crops or grasses in treated areas.

Peppers: *Flea Beetle, Green Peach Aphid, Hornworm, Pepper Maggot.* Apply 1 quart per acre. Do not apply within 1 day of harvest. CALIFORNIA ONLY: Apply 1-2 qts. per acre. Do not apply within 4 days of harvest.

Plums, Prunes: *Fruit Tree Leafroller.* Apply 4 to 5 quarts per acre. Apply during prepink stage of growth. *Hop Aphid, Leaf Curl Plum Aphid, Plum Nursery Mite, Thistle Aphid.* Apply 4 to 5 quarts per acre. For *Aphids*, apply when eggs hatch during prebloom or petal fall. Summer applications should be made before leaves curl. Do not apply within 7 days of harvest. Do not feed cull fruits to animals nor allow livestock to graze treated orchards.

Potatoes: *Aphid, Armyworm, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Tuberworm, White Fly.* Apply 1 to 2 quarts per acre. *European Corn Borer, Three-lined Potato Beetle.* Apply 1 quart per acre. Do not plant root crops other than carrots, potatoes and sweet potatoes as follow up crops.

Pumpkins: *Aphids, Cucumber Beetle, Squash Vine Borer.* Apply weekly to flower buds, stems and vines beginning when moth first appears. Do not apply within 1 day of harvest.

Safflower: *Green Peach Aphid.* Apply 2 quarts per acre. Do not apply after flower heads open. Do not plant root crops other than carrots, potatoes and sweet potatoes as follow up crops.

Spinach: *Crown Mite, Green Peach Aphid.* Apply 1½ quarts per acre. Do not apply within 21 days of harvest. Do not exceed one application per season.

Squash (Summer & Winter): *Aphid, Cucumber Beetle, Squash Vine Beetle, Striped Flea Beetle, Melonworm, Pickleworm, Squash Beetle, Squash Bug.* Apply 3 to 4 pints per acre. For *Squash Vine Borer*, apply weekly to flower buds, stems and vines beginning when moths first appear. Repeat as required to maintain control.

Strawberries: *Cyclamen Mite.* Apply 8 quarts per acre on West Coast. Apply 4 quarts per acre in other areas. Do not apply within 4 days of harvest. Do not apply at intervals of less than 35 days when fruit is present. *Meadow Spittlebug, Strawberry Aphid.* Apply 2 quarts per acre. *Tarnished Plant Bug.* Apply 2 quarts per acre. Do not apply within 4 days of harvest. Do not reapply within 15 days or more than twice within 35 day period when fruit is present.

Sunflower (Seed Crop Only): *Sunflower Moth.* Apply 2 quarts per acre. Make first application the onset of bloom and make two more applications at 4 to 7 day intervals. Do not apply more than 3 times per season. Do not feed treated forage to livestock.

Sugar Beets: *Green Peach Aphid, Sugar Beet Webworm.* Apply 1½ to 2 quarts per acre. Do not feed treated tops to livestock. Do not apply within 30 days of harvest.

Sweet Corn: *Corn Earworm.* Apply 3 quarts per acre. *Corn Leaf Aphid.* Apply 2 quarts per acre. For fresh vegetable use only. Do not exceed five applications per season. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage to livestock or allow to graze in treated fields. For *Corn Earworm*, apply at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry.

Sweet Potatoes: *Sweet Potato Flea Beetle.* Apply 1 quart per acre. Apply shortly after transplanting or as soon as *Flea Beetles* appear. Repeat as necessary to maintain control.

Tomatoes: *Blister Beetles, Colorado Potato Beetle, Flea Beetles, Green Peach Aphid.* Apply 1 quart per acre. *Cabbage Looper.* Apply 3 pints per acre. *Stink Bug.* Apply 3 to 4 pints per acre. *Tomato Fruitworm, Tomato Russet Mite, Yellow-Striped Armyworm.* Apply 2 quarts per acre. *Tomato Hornworm.* Apply 1 to 2 quarts per acre. *White Fly.* Apply 1 to 2 quarts per acre. Treatments for *Tomato Fruitworm, Yellow-Striped Armyworm, Whitefly* are for both field and greenhouse use. Do not apply within 1 day of harvest.

Walnuts: *Walnut Aphid.* Apply 3 to 4 quarts per acre. Do not use after husk split. Do not graze livestock in treated groves. Do not graze livestock on orchard crops or grasses in treated areas.

WARRANTY

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR
PLATTE CHEMICAL CO.

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