

WARNING

May be fatal if swallowed. Contact with skin can cause toxic symptoms. Avoid breathing spray mist. In case of contact with skin, wash with soap and water. Avoid contamination of feed and foodstuffs. Keep out of the reach of children.

Keep children or pets off treated turf until material has been washed into the soil by watering or rain and grass is dry.

This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. 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.

ANTIDOTE

EXTERNAL: In case of spillage on skin, wash promptly with soap and water.

INTERNAL: Emetic of 1 tablespoonful mustard in tumbler of water. Consult a physician.

CONTAINER DISPOSAL DO NOT REUSE EMPTY CONTAINERS

Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed of by punching holes in them and burying with wastes or by burning. Keep out of smoke.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company warrants that the material conforms to the chemical description on the label and is recoverable. It is for the purpose referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of **FITNESS** or of **MERCHANTABILITY**, and no agent of Helena Chemical Company is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages. This is a full and final release of liability.

DIRECTIONS FOR USE

Where a range of rates is given, use the higher rate of Chlordane 8-E on the E for the type of soil.

Where row treatment is desirable, application should be made at planting time using appropriate equipment.

A 7-10 inch band is recommended for control of white grubs and wireworms in corn. For row treatment of corn, should be in a 7 inch band. Minimum rates should be based on a 7 inch band.

| CROP/TREATMENT | INSECTS | DOSAGE RATES | | LIMITATIONS |
|----------------------------------|------------------------|----------------------------------|----------------------------------|--|
| | | BROADCAST | ROW | |
| | | Amount of Chlordane 8-E per acre | Amount of Chlordane 8-E per acre | |
| CORN - PLANTING AND EARLY GROWTH | White grubs | 2 pints | 1 pint | Make preplant broadcast or row application (where applicable) only. Apply to soil after plowing and disc or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. Do not harvest within 12 weeks of application. |
| | Wireworms | 2.5-4 pints | 2 pints | |
| | Grasshoppers | 2.5-4 pints | | |
| | Colorado potato beetle | 5-10 pints | | |
| | Armyworms | 2.5-5 pints | | |
| | Grasshoppers | 2.5-4 pints | 2 pints | |
| | Wireworms | 2.5-4 pints | | |
| | Grasshoppers | 3-4 pints | | |
| | Colorado potato beetle | 2.5-4 pints | 2 pints | |
| | Wireworms | 2.5-5 pints | | |
| CORN - EARLY GROWTH | White grubs | 2.5-4 pints | 2 pints | Make preplant soil or row application (where applicable) only. Apply to soil after plowing and disc or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. On garden beans do not graze or feed treated forage or vines to livestock. |
| | Wireworms | 2.5-5 pints | | |
| | Grasshoppers | 5-10 pints | | |
| | Colorado potato beetle | 2.5-5 pints | | |
| | Grasshoppers | 2.5-5 pints | | |
| | Wireworms | 10 pints | | |
| | Grasshoppers | 1.5-2 pints | | |
| | Wireworms | 2.5-4 pints | | |
| | Grasshoppers | 10 pints | | |
| | Colorado potato beetle | 3-5 pints | | |
| CORN - MATURE GROWTH | Grasshoppers | 2.5-5 pints | | Make preplant soil or row application (where applicable) only. Apply to soil after plowing and disc or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. Do not graze or feed treated forage of vines to livestock. |
| | Wireworms | 10 pints | | |
| | Grasshoppers | 5-10 pints | | |
| | Colorado potato beetle | 2.5-5 pints | | |
| | Grasshoppers | 10 pints | | |
| | Wireworms | 5-10 pints | | |
| | Grasshoppers | 2.5-5 pints | | |
| | Wireworms | 10 pints | | |
| | Grasshoppers | 5-10 pints | | |
| | Colorado potato beetle | 2.5-5 pints | | |
| CORN - HARVEST | Grasshoppers | 1 pint | | Make application in sufficient water to give good coverage. May be applied by air using 3-10 gallons of water per acre. Application is limited to hatching areas when nymphs are young. Do not allow spray to drift onto any other crops. On Cotton Do not apply after bolls open. Do not graze treated fields with dairy animals or animals being finished for slaughter. On Fava Do not apply after blossoms appear. Do not use treated straw for feed. |
| | Wireworms | 1 pint | | |

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GRASSHOPPERS in Citrus. To control grasshoppers, apply this emulsion with a backpack sprayer. Start treatment when hoppers are small and concentrated in between rows of trees, especially near fence rows. Make no application while fruit is on the tree. Do not apply to ornamentals or other treated areas.

NONCROPLAND USE FOR THE CONTROL OF INSECTS

For the control of the ants, cockroaches, and other household insects, apply this emulsion according to the dilution guide on the label. Use a backpack sprayer or a garden hose with a water wand. Apply the finished solution to the insects.

Thoroughly saturate insects with the emulsion.

Do not contact treated food or feed.

DILUTION GUIDE FOR VARIOUS USES

| Dilution of 0.5% Solution | Volume of Finished Formulation |
|---------------------------|--------------------------------|
| 5 gallons | 1 gallon |
| 10 gallons | 2 gallons |
| 50 gallons | 10 gallons |
| 100 gallons | 20 gallons |

LAWN AND TURF INSECTS

Application Rates for Golf Courses, Parks, Ornamental Lawns, etc.

| INSECT PESTS | Application Rates CHLORDANE 8 E | | Equivalent lb. A Technical Chlordane |
|---|------------------------------------|-------|---|
| | Oz. 5.000 5 gal. fl. | pt. A | |
| Ants, Armyworms, Chiggers, Cutworms, European earwigs, Fire ants, Leaf miner, Sod webworm, Flea crickets, spiders, ticks | 4.0 | 1 | 5.7 |
| Asiatic garden beetle larvae, European chafer larvae, Green June beetle larvae, Japanese beetle larvae, White fringed beetle larvae, White grubs, Wireworms | 4.0 | 5.0 | 1.0 |
| European crane fly larvae | 4 | 2 | 2 |

Use sufficient water for full coverage. Apply to lawns before or after irrigation or sprinkling. Wash water off the lawn. If State E products Stations for timing of application.

HOUSEHOLD INSECTS

DILUTION GUIDE FOR CHLORDANE 8 E

| PERCENT OF CHLORDANE 8 E IN FINISHED FORMULATION | VOLUME OF FINISHED FORMULATION Gallons | AMOUNT OF CHLORDANE 8 E NECESSARY |
|---|---|--------------------------------------|
| 1% | 40 90 | 2.000 4.500 |
| 2% | 20 45 | 1.000 2.250 |
| 5% | 8 18 | 0.500 1.125 |
| 10% | 4 9 | 0.250 0.562 |
| 20% | 2 5 | 0.125 0.281 |

Do not use on edible plants. Do not apply to lawns or ornamentals. Do not apply to food or commercially prepared products. Do not apply to lawns or ornamentals.

PRECONSTRUCTION TREATMENT

Apply this emulsion to the soil surface of the foundation walls, around piers, and under attached porches, floors and terraces, etc.

APPLICATION

Apply this emulsion to the soil surface of the foundation walls, around piers, and under attached porches, floors and terraces, etc.

Apply this emulsion to the soil surface of the foundation walls, around piers, and under attached porches, floors and terraces, etc.

TERMINAL USE

Apply this emulsion to the soil surface of the foundation walls, around piers, and under attached porches, floors and terraces, etc. Apply the 10% emulsion at 10 gallons per 100 square feet.

PRECONSTRUCTION TREATMENT

Slab-on-ground Construction

(1) Apply an overall treatment under the entire slab of the foundation. Apply at the rate of 1 gallon per 10 square feet, except that if fill under slab is gravel or other coarse absorbent material, apply at the rate of 1.5 gallons per 10 square feet.

(2) Under slab on ground porch, floors and terraces, etc., apply an overall treatment at the rate of 1 gallon per 10 square feet.

(3) Along both sides of foundation wall, along interior foundation walls and around plumbing, dig a narrow trench in a depth of 1 foot but not below the top of the footing. Apply at the rate of 2 gallons per 5 linear feet of trench. The chemical should be mixed with the soil as it is being replaced in the trench.

(4) Treat all voids in hollow masonry parts of the foundation at the rate of at least 1 gallon per 5 linear feet of wall. Apply the emulsion to soil to reach the footing.

BUILDINGS WITH CRAWL SPACES

(1) Dig a narrow trench to the top of the footing, around the outside of foundation walls, around piers, and under attached porches. Apply 2 gallons of emulsion per 5 linear feet of trench. The chemical should be mixed with the soil as it is being replaced in the trench.

(2) Dig a narrow trench to the top of the footing, around the inside of the foundation wall. Apply 2 gallons of emulsion per 5 linear feet of trench, except that if the trench is 3 feet deep, apply 2 gallons per 5 linear feet of trench. The chemical should be mixed with the soil as it is being replaced in the trench.

(3) Under attached porches, floors and terraces, etc., and similar situations where slab on fill is at the same grade level, apply 1 gallon per 10 square feet of soil surface.

(4) Treat all voids in hollow masonry parts of the foundation at the rate of at least 1 gallon per 5 linear feet of wall. Apply the emulsion to soil to reach the footing.

BUILDINGS WITH BASEMENTS

(1) Apply an overall treatment under the basement floors, as well as under attached porches, floors and terraces, etc., and similar situations where slab on fill is at the grade level. Apply at the rate of 1 gallon per 10 square feet, except that if fill under slab is of washed gravel or other coarse absorbent material, apply at the dosage by at least one half. Where crawl spaces exist, treat as described in part 2, below.

(2) Along outside of foundation walls, around piers, and under attached porches, dig a narrow trench to the top of the footing along the inside of foundation walls, around piers, and under attached porches. Apply 2 gallons of emulsion per 5 linear feet of trench. The chemical should be mixed with the soil as it is being replaced in the trench.

(3) Along outside of foundation walls, dig a narrow trench, such trench to be dug no deeper than 1 foot of the footings. If the trench is less than 15 inches in depth to the top of the footings, apply 2 gallons per 5 linear feet. Replace the soil and apply another 1 gallon per 5 linear feet to the back fill. If the trench is more than 15 inches in depth to the top of the footings, apply 2 gallons per 5 linear feet. Replace the soil and apply another 2 gallons per 5 linear feet to the back fill. Cover the back fill with a thin layer of soil.

(4) Apply an overall treatment along the foundation walls where the top of the footings is greater than 10 inches deep. In lieu of trenching to a 30" depth, make the trench 12 to 15" deep and rod to the bottom, spacing the holes about 1 foot apart.

(5) Treat all voids in hollow masonry parts of the foundation at the rate of 1 gallon per 5 linear feet of wall. Apply the emulsion to soil to reach the footing.

NET CONTENTS

U.S. GALLONS

CIDE SPRAY

SIDE PANEL

(BY WT.)
71.9%
22.5%
5.6%

100.0%

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PANY

Avoid breathing spray
amination of feed and

the soil by watering or

and other wildlife in
and estuaries. Do not
favor drift from areas
of wastes. Apply this

ater.
a physician.

oncroplands away from
them and burying with

FLAME

| CROP (or Use) | INSECTS | DOSAGE RATES | | LIMITATIONS |
|--|---|--|--|---|
| | | BROADCAST | ROW | |
| | | Amount of Chlordane 8-E per acre | Amount of Chlordane 8-E per acre | |
| CORN (field & sweet) | Corn rootworm (Northern and Southern) Corn field ants Corn root aphids | 2 pints | 1 pint | Make preplant broadcast or row application (where applicable) only. Apply to soil after plowing and disc or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. Do not harvest within 12 weeks of application. |
| | CORN (field & sweet) | Seed corn beetle Seed corn maggot White grubs Wireworms | 2.5-4 pints | |
| | Cutworms | 2.5-4 pints | | |
| | Japanese beetle larvae | 5-10 pints | | |
| | Asiatic garden beetle larvae White fringed beetle larvae | 2.5-5 pints | | |
| TOBACCO | White grubs Wireworms | 2.5-4 pints | 2 pints | |
| | Cutworms | 2.5-4 pints | | |
| | Green June beetle larvae | 3-4 pints | | |
| VEGETABLE CROPS Beans, Beets, Broccoli, Brussels sprouts, Cabbage, Cantaloupe, Cauliflower, Celery, Collards, Cucumbers, Eggplant, Kale, Kohlrabi, Lettuce, Melons, Okra, Onions, Peas, Peppers, Potatoes, Radishes, Rutabagas, Squash, Sweet Potatoes, Tomatoes, Turnips, Watermelon | Cutworms Wireworms White grubs | 2.5-4 pints | 2 pints | |
| | Asiatic garden beetle larvae White fringed beetle larvae | 2.5-5 pints | | |
| | Japanese beetle larvae | 5-10 pints | | |
| | Flea beetle larvae (potatoes & sweet potatoes) | 2.5-5 pints | | |
| | Wireworms— (potatoes Pacific Northwest) | 10 pints | | |
| FRUIT & BERRY CROPS Apples, Apricots, Cherries, Nectarines, Pears, Plums, Prunes, Quinces, Blackberries | Ants | 1.5-2 pints | | |
| | White grubs Cutworms Wireworms | 2.5-4 pints | | |

Company warrants that this reasonably fit for the purpose to the inherent risks referred to applied warranty, including any LIABILITY, and no agent of Helena has a specific reference to this shall be limited to direct damages, loss of profits or value, etc.

8-E on muck or highly organic planting time using suitable row wireworms in vegetables; row shall be based on no less than a 7

| | | | |
|---|---|---|---|
| Tomatoes, Turnips, Watermelon | Wireworms—(potatoes Pacific Northwest) | 10 pints | |
| FRUIT & BERRY CROPS Apples, Apricots, Cherries, Nectarines, Pears, Plums, Prunes, Quinces, Blackberries, Grapes, Huckleberries, Loganberries, Raspberries, Strawberries, Grapefruit, Kumquats, Limes, Oranges, Tangelos, Tangerines, Pineapple | Ants | 1.5-2 pints | Make preplant soil or row application (where applicable) only. Apply to soil after plowing and disk or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. On tree fruits make soil application only when no fruit is present. On berry crops make application at base of plants and incorporate into soil. Do not apply when fruit is present. On pineapple do not apply after fruit begins to form. Use sufficient water to cover treated area thoroughly. |
| | White grubs Cutworms Wireworms | 2.5-4 pints | |
| | Japanese beetle larvae | 10 pints | |
| | Green June beetle larvae | 3-5 pints | |
| | Asiatic garden beetle larvae White fringed beetle larvae | 2.5-5 pints | |
| Blackberries, Blueberries, Strawberries, Raspberries | Root weevil larvae | 10 pints | Do not make foliar applications. Make application only when no fruit is present. |
| | Rootworms | 5-10 pints | |
| SOYBEANS | Wireworms White grubs Seed corn maggot | 2.5-5 pints | Make preplant soil or row application (where applicable) only. Apply to soil after plowing and disc or incorporate into soil immediately. Use sufficient water for thorough coverage of soil surface. Do not make foliar application. Do not graze or feed treated forage of vines to livestock. |
| COTTON FLAX | Grasshoppers | 1 pint | Make application in sufficient water to give good coverage. |
| | | | May be applied by air using 3-10 gallons of water per acre. |
| | | | Application is limited to hatching areas when nymphs are young. |
| TOBACCO (transplant) | Wireworms Cutworms | 1/8-1/4 pint in 50-100 gallons water Use 200-300 gallons solution/acre | Do not allow spray to drift onto any other crops On Cotton: Do not apply after bolls open. Do not graze treated fields with dairy animals or animals being finished for slaughter. On Flax: Do not apply after blossoms appear. Do not use treated straw for feed. |

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