



20/5

# REFERENCE LABEL

The Contents of This  
Container will Cover  
Up To 32 Acres.

# ENVIREPEL<sup>TM</sup>

For Use on Crops, Plants and Trees

Does Not Persist in the Environment

**ACTIVE INGREDIENT:**

Garlic Juice ..... 10%

**INERT INGREDIENTS:** ..... 90%

Total: ..... 100%

Contains 0.83 lbs. of Garlic Juice per Gallon.

NOTIFICATION

MAY 16 1997

Keep Out of Reach of Children

**CAUTION**

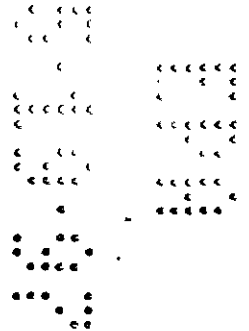
See back panel for additional precautionary statements.

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

Net Contents: 2.5 Gallons

EPA Reg. No. 68826-1    EPA Est. 68826-CA-1

Made in the USA



30/5

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans & Domestic Animals**  
**CAUTION**

Avoid contact with eyes. If in eyes, flush with plenty of water.

**Personal Protective Work Clothing**

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks.

**DIRECTIONS FOR USE**

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

**AGRICULTURAL USE REQUIREMENTS**

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.

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and 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) and restricted entry interval (REI).

Do not enter or allow workers entry into treated areas during the REI of 12 hours. PPE and work clothing 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, soil or water is: Coveralls, waterproof gloves and shoes plus socks.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**Storage and Disposal**

Do not contaminate water, food or feed by storage or disposal. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

**Pesticide Storage:** The optimal storage temperature is between 35°F and 135°F to prevent product degradation. Do not freeze. Do not store in direct sunlight. Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children or animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** 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.

In the event of a major spill, fire or other emergency, call (619) 737-2918 day or night.

**USE RESTRICTIONS**

Do not use this product if it cannot be applied according to the use patterns on this label. Do not let spray mixture stand in tank overnight. For use as a repellent for repelling certain important insect pests. Not warranted to kill insects.

**SITES**

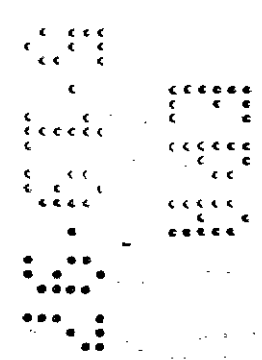
**\*Bananas:** For repelling Aphids, Mites, Thrips and Whiteflies.

**Brassica Crops** (Broccoli, Brussels Sprouts, Cabbages, Canola, Cauliflower, Chinese Mustard, Collards, Kale, Kohlrabi, Mustard Greens and Rape): For repelling Aphids, \*Beetles, \*Caterpillars, \*Cutworms, Loopers, Maggots, \*Weevils, Whiteflies and \*Wireworms.

**Bulb Vegetables** (Garlic, Leek, Onion and Shallot): For repelling \*Armyworms, \*Leafminers, Maggots, Thrips, Whiteflies and \*Wireworms.

**Cereal Grains** (Barley, Buckwheat, Corn, Millet, Oats, Popcorn, Rye, Wheat and Wild Rice): For repelling Aphids, Armyworms, \*Beetles, \*Borers, \*Cutworms, \*Earworms, Grasshoppers, Maggots, Mites, \*Rootworms, \*Whitegrubs and \*Wireworms.

\*Not for use in California



40/5

SITES  
(Continued)

Citrus (Calamondin, Grapefruits, Kumquats, Lemons, Limes, Oranges, Tangelos and Tangerines): For repelling Aphids, \*Cutworms, Leafrollers, Mites, \*Scale, Thrips and Whiteflies.

\*Coffee: For repelling Aphids, Mites, Thrips and Whiteflies.

Cotton: For repelling Aphids, Armyworms, \*Boll Weevils, Bollworms, \*Cotton Leafperforator, \*Cutworms, Fleahoppers, Loopers, \*Lygus Bugs, Mites, \*Saltmarsh Caterpillar, Thrips, \*Webworms and Whiteflies.

Curcubit Crops (Cantaloupe, Casaba Melons, Cucumbers, Gherkins, Gourds, Honeydew Melons, Mango Melons, Muskmelons, Pumpkins, Summer Squash, Watermelons and Winter Squash): For repelling Aphids, \*Beetles, Leafhoppers, \*Leafminers, Loopers, Mites, \*Pickeworms, Thrips, Whiteflies and \*Wireworms.

Deciduous Nursery Stocks (Trees, Shrubs and Flowers) and Greenhouse Crops: For repelling Aphids, \*Bagworms, \*Beetles, \*Borers, \*Chafers, \*Curculios, \*Cutworms, Leafhoppers, \*Leafminers, Leafrollers, Maggots, \*Mealybugs, Mites, \*Plant Bugs, \*Sawflies, \*Scale, \*Spittlebugs, Thrips, \*Webworms and Whiteflies.

Forage Crops (Alfalfa, Clovers, Grasses, Timothy and Vetch): For repelling Aphids, Armyworms, \*Caterpillars, \*Chinch Bugs, \*Cutworms, Fleas, Grasshoppers, \*Japanese Beetles, Leafhoppers, \*Lygus Bugs, Mites, \*Spittlebugs, Thrips, \*Webworms, \*Weevils and Whiteflies.

Fruiting Vegetables (Bell Peppers, Chile Peppers, Cooking Peppers, Eggplant, Ground Cherry, Pepinos, Pimentos, Sweet Peppers, Tomatillo and Tomatoes): For repelling Aphids, \*Beetles, \*Cutworms, \*Fruitworms, \*Hornworms, \*Leafminers, Loopers, \*Mealybugs, Mites, \*Plant Bugs, Whiteflies and \*Wireworms.

Herbs: For repelling Aphids, Armyworms, \*Beetles, \*Caterpillars, \*Cutworms, \*Hornworms, \*Leafminers, Loopers, \*Mealybugs, Mites, \*Plant Bugs, Thrips, \*Weevils, Whiteflies and \*Wireworms.

Kiwi: For repelling Aphids, \*Japanese Beetles, Loopers, \*Mealy Bugs, Mites, Thrips, Whiteflies.

Leafy Vegetables (Celery, Cress, Endive, Fennel, Lettuce, Orach, Spinach and Swiss Chard): For repelling Aphids, \*Earworms, Grasshoppers, Leafhoppers, \*Leafminers, Loopers, \*Sowbugs, \*Webworms, Whiteflies and \*Wireworms.

Legume Vegetables (Beans including *Lupinus spp.*, *Phaseolus spp.* and *Vigna spp.*, Broad Beans, Chick Peas, Guar, Jackbean, Lablab Beans, Lentils, Peas and Soybeans): For repelling Aphids, \*Beetles, \*Borers, \*Curculios, \*Cutworms, \*Earworms, Leafhoppers, Leafrollers, Loopers, \*Lygus Bugs, Maggots, Mites, \*Plant Bugs, Thrips, Whiteflies and \*Wireworms.

Nut Trees (Almonds, Beech Nut, Brazil Nuts, Butternut, Chestnuts, Chinquapin, Filberts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios and Walnuts): For repelling Aphids, \*Beetles, \*Borers, Bud Moths, \*Carpenterworms, \*Casebearers, \*Catocalas, \*Curculios, Mites, \*Gall Wasps, \*Leafminers, \*Phylloxera, \*Plant Bugs, \*Sawflies, \*Scale, \*Shuckworms, \*Spittlebugs, \*Twig Girdlers, \*Walnut Caterpillars, \*Webworms, \*Weevils and Whiteflies.

Ornamentals (Flowers, Shrubs and Trees): For repelling Aphids, \*Bagworms, \*Beetles, \*Borers, \*Chafers, \*Curculios, \*Cutworms, Mites, Leafhoppers, Leafminers, Leafrollers, Maggots, \*Mealybugs, \*Plant Bugs, \*Sawflies, \*Scale, \*Spittlebugs, Thrips, \*Webworms and Whiteflies.

Peanuts: For repelling Aphids, Armyworms, \*Beetles, \*Cutworms, \*Earworms, Leafhoppers, Mites, \*Rootworms, Thrips and Whiteflies.

\*Pineapples: For repelling Aphids, Mites, Thrips and Whiteflies.

Pome Fruit Trees (Apple, Crabapples, Mayhaws, Pears and Quince): For repelling Aphids, \*Appleworms, \*Casebearers, Codling Moths, \*Curculios, Leafhoppers, \*Leafminers, Leafrollers, Maggots, \*Mealy Bugs, Mites, \*Plantbugs, \*Psylla, \*Sawflies, \*Scale and Whiteflies.

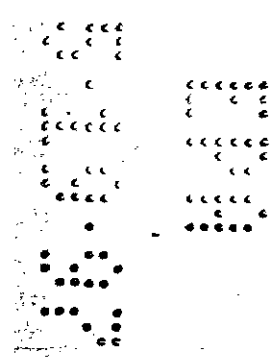
Root and Tuber Vegetables (Artichokes, Beets, Burdock, Carrots, Casava, Chicory, Ginger, Ginseng, Horseradish, Parsley, Parsnip, Potatoes, Radish, Rutabaga, Salsify, Sweet Potatoes, Turnips and Yams): For repelling Armyworms, \*Beetles, \*Chinch Bugs, Grasshoppers, Leafhoppers, \*Leafminers, Mites, \*Plant Bugs, \*Phyllids, \*Rust Flies, \*Slugs, \*Symphylans, Thrips, \*Tuberworms, \*Weevils, Whiteflies, \*Whitegrubs and \*Wireworms.

Small Fruits and Berries (Blackberries, Blueberries, Boysenberries, Cranberries, Currants, Dewberries, Elderberries, Gooseberries, Grapes, Huckleberries, Olallie Berries, Raspberries, Strawberries and Youngberries): For repelling Ants, Aphids, \*Beetles, \*Borers, \*Cambium Miners, \*Chafers, \*Curculios, \*Cutworms, \*Earwigs, \*Fruitworms, \*Grubs, \*Leafminers, Leafhoppers, Leafrollers, Maggots, \*Mealybugs, Mites, \*Phylloxera, \*Plant Bugs, \*Rootworms, \*Sawflies, \*Scale, \*Slugs, \*Spittlebugs, \*Stem Girdlers, Thrips, \*Tree Crickets, \*Tortrix, \*Weevils, Whiteflies, \*Whitegrubs and \*Wireworms.

Stone Fruit Trees (Apricots, Nectarines, Peaches, Plums and Sweet and Sour Cherries): For repelling Aphids, \*Beetles, \*Borers, Fruit Flies, Fruit Moths, \*Leafminers, Leafrollers, Mites, \*Weevils and Whiteflies.

\*Tobacco: For repelling Aphids, Armyworms, Budworms, Mites, Moths, Thrips and Whiteflies.

\*Not for use in California



5 of 5

**MIXING DIRECTIONS:** Shake container well or stir contents thoroughly before adding Envirepel to the spray tank. Spray tank pH level must be adjusted to a maximum of 6.0 before adding Envirepel to the spray tank. Optimum pH range for tank mix before mixing Envirepel is 5.5 to 6.0. Recommended buffering agents are citric acid, acetic acid, phosphoric acid or aliphatic polycarboxylate-type materials. Do not buffer with propionic acid or similar products that affect biologically active products. After mixing, agitate spray tank mix before and during application to prevent settling of product.

**TANK MIXING WITH OTHER PRODUCTS:** Mix a solution of Envirepel with the products to be tank mixed at their recommended label rates in a glass container to determine if there is any separation. It is strongly recommended to try a small test plot if new combinations of products are being used for the first time.

**APPLICATION TIMING AND PEST PRESSURE:** When using Envirepel the optimum pest pressure to start application is 0% to 5%. If tank mixing Envirepel with other pesticides, use the recommended label rates of the other pesticides until exact tank mixed product performance is determined. Repeat application timing should be between 8 to 14 days, and determined by field scouting reports of pest pressure, plant nutrition and temperature. Do not make more than 20 applications of Envirepel per each growing season. Do not apply Envirepel within 12 hours of crop harvest.

**SPRAY TEMPERATURE:** The optimum temperature range to apply Envirepel is between 70°F (21°C) and 90°F (32.2°C). Minimum recommended application temperature is 50°F (10°C). Maximum recommended application temperature is 100°F (37.7°C). For applications above 100°F (37.7°C) higher application spray rates (more than 40 gallons per acre) are recommended after there has been a minimum of a 15°F drop in air temperature from maximum daytime temperature.

**SPRAY ADJUVANTS:** Envirepel should not be used with dormant spray oils, heavy oils, spreader-stickers or surfactants that will coat the surface of the plant foliage and prevent absorption of the product. Silicone based or non-ionic surfactants are strongly recommended to increase product coverage and absorption. If Envirepel is not rapidly absorbed by the foliage it will not be effective.

**APPLICATION RATES:** Envirepel is designed to be used from 10 to 32 ounces [0.0625 to 0.2 lb. of Garlic Juice] per acre. Tank Mix Application Rates: By Air: 2 to 15 gallons per acre; By Ground Rig: 3 to 135 gallons per acre. [California Tank Mix Application Rates: Apply at 3 to 135 gallons per acre for row, field, vine and orchard crops.] Do not spray to the point of runoff! Spray tank pH level must be adjusted to a maximum of 6.0 prior to adding any chemicals. Greenhouse applications using overhead watering systems should use one pint to one quart [in California, one pint] of Envirepel per 100 gallons of buffered water applied.

**APPLICATION METHODS:** Envirepel can be applied using conventional application equipment, with little or no change to the operation of the equipment. Aerial or ground rigs are the preferred methods. Do not apply this product through any type of irrigation system.

**POLLINATION WARNING: MAY REPEL BEES:** Envirepel is an insect repellent and may repel bees. Do not apply Envirepel less than three days prior to pollination.

**RAIN TIMING:** Do not apply if rain is forecasted or overhead watering is to occur within 12 hours.

**CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire *Directions for Use* and the *Conditions of Sale and Warranty* before using this product. If the terms are not acceptable, return the unopened product container at once.

The *Directions for Use* are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this 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 Cal Crop USA or the Seller. All such risks shall be assumed by the Buyer.

Cal Crop USA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the *Directions for Use* subject to the inherent risks referred to above. Cal Crop USA makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Cal Crop USA or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Cal Crop USA and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing *Conditions of Sale and Warranty*, which may be varied only by agreement in writing and signed by a duly authorized representative of Cal Crop USA.

Manufactured by:  
**CAL CROP USA L.L.C.**  
2245 Micro Place  
Escondido, CA 92029

Envirepel is a Trademark of Cal Crop USA L.L.C.

**MAY 12, 1997 LABEL REVISION NOTIFICATION:**

Added *Do not apply this product through any type of irrigation system* as required by PR Notice 87-1 to the end of the **APPLICATION METHODS** paragraph above.

