

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

68826-1

DATE OF ISSUANCE

SEP 29 1991

TERM OF ISSUANCE

Unconditional

NAME OF PESTICIDE PRODUCT

Cal Crop USA Envirepel

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

PM-14
Cal Crop USA L.L.C.
2245 Micro Place
Escondido, CA 92029

Reg # 68826-1

16/17 5-493888 196
16/17 5-493880

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

A. Make the labeling changes listed below before you release the product for shipment:

1. Add the phrase, "EPA Registration No. 68826-1."
2. On the Front Panel, change "Garlic Extract" to "Garlic Juice".
3. Immediately under the ingredient statement, put:
Contains 0.83 lbs. of Garlic Juice per Gallon

BEST COPY AVAILABLE

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

4. Revise your Worker Protection Standard (WPS) language after the misuse statement at the beginning of use directions:

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 requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

5. If you wish to modify the Restricted Entry Interval (REI) from 12 to 4 hours, you may petition the Agency, following the procedures outlined in PR Notice 85-3, a copy of which you should already have. You cannot make this change without following that procedure.
6. In the "Application Rates" section, change the first sentence to:

Envirepel is designed to be used from 10 to 16 ounces of product [0.0625 to 0.1 lb of Garlic Juice] per acre.

BEST COPY AVAILABLE

B. Confidential Statement of Formula (CSF)

Your CSF dated August 7, 1995, is acceptable, provided that you:

- 1. The information on Line 1 (Blocks 10 and 11) should be a footnote to the ingredient on Line 2. Delete other information on this line.
- 2. On Line 2, change "Garlic Extract" to "Garlic Juice".
- 3. On Line 2, Block 13b, the value should be "10".
- 4. On Line 5, Block 13b, the value should be "88.18".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

- Enclosures:
- 1. Stamped Label
 - 2. A-79 Enclosure

Peacock WP#6:A:68826-1.NOT:305-5407,-6600:9/29/95

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[FRONT PANEL]

CAL CROP USA ENVIREPEL™

Insect Repellent for Use on Crops, Plants and Trees

Does Not Persist in the Environment

The Contents of This Container Will Cover Up To _____ Acres

ACTIVE INGREDIENT:

Garlic Extract	10%
INERT INGREDIENTS	<u>90%</u>
Total:	100%

Keep Out of Reach of Children

CAUTION

See back panel for additional precautionary statements.

Si usted no lee entiende la etizuela, 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 Wt. ___ Gal. (L)

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 29 1995

Manufactured By:
CAL CROP USA L.L.C.
Escondido, CA 92029

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
Registration No. 68826-R

68826-1

Made in the USA

[BACK PANEL]

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 handles 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. 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 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.

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

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, White Grubs and Wireworms.

Citrus (Calamondin, Grapefruits, Kumquats, Lemons, Limes, Oranges, Tangelos and Tangerines): For repelling Aphids, Cutworms, Leafrollers, Mites, Scale, 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, Pickleworms, 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 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 Whitefly.

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.

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 Whitefly.

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, White Grubs and Wireworms.

Small Fruits and Berries (Blackberries, Blueberries, Boysenberries, Cranberries, Currants, Dewberries, Elderberries, Gooseberries, Grapes, Huckleberries, Olallie Berries, Raspberries, Strawberries and Youngberries): For repelling Aphids, Beetles, Borers, Cambium Miners, Chafers, Curculios, Cutworms, Earwigs, Fruitworms, Grubs, Leafminers, Leafhoppers, Leafrollers, Maggots, Mealybugs, Mites, Phylloxeras, 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 Whitefly.

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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%. Repeat application timing should be between 8 to 14 days, depending upon pest pressure, plant nutrition and temperature. Repeat application timing should be determined by field scouting reports of insect pressures, plant nutrition and temperature.

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 determined by field scouting reports of insect pressures, 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) it is recommended spraying with higher application rates (more than 40 gallons per acre) after there has been a minimum of a 15°F drop in air 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 16 ounces per acre. Tank mix application rates: For air applications, 5 to 10 gallons per acre; for ground rig applications, 6 to 135 gallons per acre. Spray tank pH level must be adjusted to a maximum of 6.0 prior to adding any chemicals. Do not spray to the point of runoff! Greenhouse applications using overhead watering systems should use 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.

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**.

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