

SEP 19 1995

1 of 6

S493906 $\frac{300}{18}$ S494030 $\frac{300}{18}$

Garlic Research Labs
3550 Wilshire Blvd. #200
Los Angeles, CA 90010

Attention: Mr. Bill Brock

Subject: Garlic Barrier
EPA File Symbol 66352-1
Your two letters of July 21, 1995

In the above letter, you submitted revisions to your label, which is currently aimed at the **commercial** use and, therefore, has the standard Worker Protection Standard text. In a separate letter, you also submitted a version for **homeowner** use. We have provided you a separate list of comments for each label.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you make the following labeling changes:

A. Commercial Label

1. 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.
2. Under the "Use Restrictions", change the first sentence as follows:

For repelling the pests listed below at the indicated sites.
3. Change the maximum number of applications from 28 to 10.
4. Place the ingredient statement below the product name.

B. Homeowner Label

If you wish a homeowner label, you need to submit three (3) copies of revised labeling. The major differences between the agricultural label that you currently have approved and a homeowner label would be the following:

1. Change the maximum number of applications from 28 to 10.
2. Place the ingredient statement below the product name.
3. Add a statement directly below the product name:

For home garden use only

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:66352-1.SEP:305-5407,-6600:9/19/95

MIXING DIRECTIONS

Thoroughly mix one part of Garlic Barrier to 10 parts of water.

APPLICATION DIRECTIONS

TIMING: Spray outdoor plants in very late afternoon. Do not apply just prior to or during pollination as Garlic Barrier repels bees and, therefore, adversely affects pollination. Spray indoor plants at any time.

METHOD OF APPLICATION

Use hand sprayer or canister sprayer. Fine mist is preferred. If using garden hose sprayer, set volume at 4 ounces per gallon.

RATE OF APPLICATION

Apply diluted spray to thoroughly cover plants.

MAXIMUM NUMBER OF APPLICATIONS

28 applications per season.

AFTER TASTE

Garlic Barrier will leave no "After Taste".

STORAGE AND DISPOSAL

Do not contaminate water or food by storage or disposal.

STORAGE

Store only in original container in a cool, dry place inaccessible to children and pets.

DISPOSAL

Rinse thoroughly. Offer for recycling.

EPA Registration No. 66352-1

EPA EST No. 66352-CA-1

NOTICE:

Distributor and Manufacturer disclaim any liability for product users when product is used in a manner inconsistent with labeling.

Manufactured by:

Garlic Research Labs

624 Ruberta Avenue

Glendale, California 91201-2335

Made in USA

INERT INGREDIENTS: 90%
TOTAL..... 100%

GARLICTM BARRIER

INSECT REPELLENT

For Home and Garden

Keeps insects from getting on plants and trees.

Applied product becomes odorless in minutes.

KEEP OUT OF REACH OF CHILDREN

CAUTION:

Avoid contact with eyes.

If in eyes: Flush with plenty of water.

NET WEIGHT : 32 OUNCES / .9464 L

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered for sale and distribution only in the United States of America.

SEP 19 1995

ACCEPTED WITH COMMENTS

DIRECTIONS FOR USE

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

USE RESTRICTIONS

Garlic Barrier is not for use on and Pests:

Brassica Vegetables: Broccoli, Sprouts, Cabbage, Cauliflower, Collards, Mustard Greens, Turnips, etc.
Caterpillars, Cutworms, Weevils, Whiteflies

Bulb Vegetables: Onions, Shallots: For repelling Maggots, Thrips

Cereal Grains: Millet, Oats, Popcorn, Rice: For repelling Beetles, Borers, Grasshoppers, Mites, White Grubs, and

Citrus - (Calamondin, Lemons, Limes, Tangerines): For repelling Leafrollers, Mites

Cotton - For repelling Bollworms, Bollworms, Fleahoppers, Mites, Saltmarshoppers, and Whiteflies.

Cucurbit Crops: Casaba Melons, Cucumbers, Melons, Mango, Pumpkins, Summer Squash, Watermelons: For repelling Leafhoppers, Leafminers, Whiteflies, and

Forage Crops: Timothy, and Vetch: For repelling Armyworms, Cutworms, Grasshoppers, Leafhoppers, Lygids, Thrips, Weevils,

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.

Kiwi - For repelling Japanese Beetles.

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 Phaseolus Sp., Lupinus Sp., and Vigna Sp., 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, Weevils, Whiteflies, and Wireworms.

Nut Trees - (Almond, Beech Nut, Brazil Nut, Butternut, Chesnut, Chinquapin, Filbert, Hickory Nut, Macadamia Nut, Pecan, Walnut): For repelling Aphids, Beetles, Borers, Bud Moths, Carpenterworms, Casebearers, Catocalas, Curculios, Gall Wasps, Leafminers, Mites, Phylloxera, Plant Bugs, Sawflies, Scale, Shuckworms, Spittlebugs, Twig Girdlers, Walnut Caterpillars, Webworms, Weevils.

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

Peanuts - For repelling Aphids, Armyworms, Earworms, Cutworms, Leafhoppers, Mites, Rootworms, and Thrips.

Pome Fruit Trees - (Apples, Crabapples, Mayhaws, Pears, Quince): For repelling Aphids, Appleworms, Casebearers, Codling Moths, Curculios, Leafhoppers, Leafminers, Leafrollers, Maggots, Mealy Bugs, Mites, Plant Bugs, Psylla, Sawflies, Scale.

Root and Tuber Vegetables - (Artichokes, Beets, Burdock, Carrots, Cassava, Chicory, Ginger, Ginseng, Horseradish, Parsly, Parsnip, Potatoes, Radish, Rutabaga, Salsify, Sweet Potatoes, Turnips, and Yams): For repelling Armyworms, Beetles, Chinch Bugs, Grasshoppers, Leafhoppers, Leafminers, Mites, Plant Bugs, Psyllids, Rust Flies, Slugs, Symphylans, Thrips, Tuberworms, Weevils, Whiteflies, White Grubs, and Wireworms.

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

Stone Fruit Trees - (Apricots, Cherries (sweet and sour), Nectarines, Peaches, Plums): For repelling Aphids, Beetles, Borers, Fruit Flies, Fruit Moths, Leafminers, Mites.

SHAKE WELL

MIXING DIRECTIONS

Shake container well or stir contents thoroughly before mixing. Mix one part Garlic Barrier to 10 parts water. After mixing concentrate, agitate again before spraying to prevent settling.

APPLICATION DIRECTIONS

TIMING: Apply as a preventative treatment prior to insect infestation. Make the first application at foliar emergence and repeat on a 10-14 day spray schedule to maintain the repellency effect. On food crops, Garlic Barrier may be used up to 12 hours of harvest. **DO NOT** apply just prior to or during pollination as Garlic Barrier repels bees and, therefore, adversely affects pollination.

METHOD OF APPLICATION: Garlic Barrier may be applied by air or ground equipment.

RATE OF APPLICATION: Set equipment to thoroughly wet foliage or about one gallon per 1/5th acre. Garlic Barrier is compatible with most surfactants and conventional pesticides. The most effective ambient temperature range for application is 60 to 85 degrees F.

MAXIMUM NUMBER OF APPLICATIONS: Twenty-eight applications per growing season.

AFTER TASTE: Garlic Barrier will leave NO "After Taste".

STORAGE AND DISPOSAL

STORAGE: The optimum storage temperature is between 35 and 90 degrees 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 and animals. Store in original containers only. Store in a cool, dry place. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or diluted material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage.

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by disposal. Rinse container thoroughly, 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.

ACTIVE INGREDIENT: GARLIC JUICE 10%
INERT INGREDIENTS: 90%
TOTAL: 100%
(Contains 0.83 lbs. of Garlic Juice per Gallon)

GARLIC BARRIER™

INSECT REPELLENT

Keeps insects from getting on plants and trees.

Applied product becomes odorless in minutes.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

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

PERSONAL PROTECTIVE WORK CLOTHING:

Applicators and other handle must wear Long sleeve shirt and long pants, shoes plus socks.

NOTICE: Distributor and Manufacturer disclaim all crop liability for product users (farmers, etc..) when product is used in a manner inconsistent with labeling.

EPA Registration No. 66352-1
EPA EST No. 66352-CA-1

Manufactured by:
Garlic Research Labs
624 Ruberta Avenue, Glendale, CA 91201-2135

MADE IN USA

NET WEIGHT PER GALLON: 8.25 lbs / 3.8 L

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 66352-1

SEP 19 1995

Approved with COMMENTS in EPA Label Data

SHAKE WELL

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with it's 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 it's labeling and with the Workers 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.

USE RESTRICTIONS:
For repelling certain important insects pests.
Not warranted to kill insects.

Do not use material if it cannot be applied according to the use patterns on the label.
Do not let mixture stand in tank overnight.

Ag Label

USE RESTRICTIONS:

Garlic Barrier is registered for the following Sites and Pests:

Brassica Vegetables - (Broccoli, Brussels Sprouts, Cabbages, Chinese Mustard, Cauliflower, Collards, Kale, Kohlrabi, and Mustard Greens) : 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, 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, Tangerines): For repelling Aphids, Cutworms, Leafrollers, Mites, Scale, Thrips, and Whiteflies.

Cotton - For repelling Aphids, Armyworms, Bollworms, Boll Weevils, Cotton Leaf Perforator, Cutworms, Fleahoppers, Loopers, Lygus Bugs, Mites, Saltmarsh Caterpillar, Thrips, Webworms, and Whiteflies.

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

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

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.

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