

51517-7

01/24/2001

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[JUG LABEL]

Gargoil™

Insect Repellent

For use on all crops, plants and trees • Does not persist in the environment

Active Ingredient: <i>Garlic Extract</i>	10.00%
Other Ingredients:	90.00%
Total	100.00%

Contains 0.83 lbs. of Garlic Juice

Keep Out of Reach of Children

CAUTION

See Application Guide for First Aid, Precautionary Statements, and Direction For Use.

 **Westbridge**

1150 Joshua Way
Vista, CA 92083
800.876.2767

Net Contents: ___ U.S. Gallons (___ Liters)

EPA Reg. No. 51517-X
EPA Est. No. 51517-CA-001

[Application Guide]

FIRST AID

- IF IN EYES:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes,
 - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
 - Call a poison control center or doctor for treatment advice

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-876-2767, Monday through Friday, 8:00 AM to 5 PM Pacific Standard Time.

PRECAUTIONARY STATEMENTS

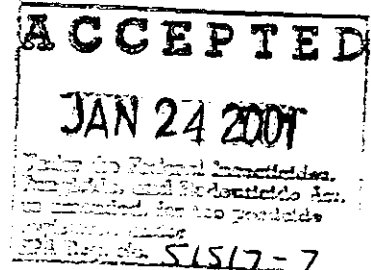
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with eyes. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTION EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pant
- Shoes plus socks



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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 person, 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 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) and notification to workers.

Do not enter or allow worker entry into treated area during the restricted-entry interval (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
- Shoes plus socks.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store between 35° and 135°F to prevent degradation. Do not freeze. Store out of direct sunlight. Do not use or store near heat, open flame or hot surfaces.

Pesticide Disposal: Wastes resulting from 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 by incineration, or if allowed by State and local authorities by burning. If burned, stay out of smoke.

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 certain insect pests. Not warranted to kill insects.

MIXING INSTRUCTIONS

General mixing instructions: Shake container well or stir contents thoroughly before adding Gargoil to the spray tank. Spray tank pH must be adjusted to 5.5-6.0 before adding Gargoil to the spray tank. 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 Gargoil with the products to be tank-mixed at their recommended label rates in a glass container to determine if there is any separation

(standard jar test). It is strongly recommended to try a small test plot if new combinations of products are being used for the first time.

If tank-mixing Gargoil with other pesticides, use the recommended label rates of the other pesticides until exact tank-mixed product performance is determined.

APPLICATION TIMING AND PEST PRESSURE

When using Gargoil, the optimum pest pressure to start application is 0-5%. Repeat application timing should be 8-14 days, and determined by field scouting reports of pest pressure, plant nutrition and temperature. Do not make more than 20 applications of Gargoil per growing season.

PREHARVEST INTERVAL

Do not apply Gargoil within 12 hours of crop harvest.

RAIN TIMING

Do not apply Gargoil if rain is forecasted or overhead watering occurs within 12 hours.

SPRAY TEMPERATURE

The optimum temperature range to apply Gargoil is 70°-90°F (21°-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 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.

SPRAY ADJUVANTS

Gargoil 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 Gargoil is not rapidly absorbed by the foliage, it will not be effective.

APPLICATION RATES

Gargoil is designed to be used from 10-16 ounces per acre.

Tank-mix application rate for air applications: 5-10 gallons per acre.

Tank-mix application rate for ground rig applications: 6-135 gallons per acre.

Greenhouse applications using overhead watering systems: 1 pint per 100 gallons of buffered water.

Do not spray to the point of run-off!

APPLICATION METHODS

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

POLLINATION WARNING MAY REPEL BEES

Gargoil is an insect repellent and may repel bees. Do not apply Gargoil less than three days prior to pollination.

USE SITES

Berries and small fruits (such as 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, mealy bugs, mites, phylloxeras, plant bugs, rootworms, sawflies, scales, slugs, spittlebugs, stem girdlers, thrips, tree crickets, tortrix, weevils, whiteflies, white grubs, wireworms.

Brassica crops (such as broccoli, Brussels sprouts, cabbage, canola, cauliflower, Chinese mustard, collards, kale, kohlrabi, mustard greens and rape):

For repelling aphids, beetles, caterpillars, cutworms, loopers, maggots, weevils, whiteflies, wireworms.

Bulb vegetable (such as garlic, leeks, onions, shallots): For repelling armyworms, leafminers, maggots, thrips, whiteflies, wireworms.

Cereal grains (such as 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, wireworms.

Citrus (such as calamondin, grapefruits, kumquats, lemons, limes, oranges, tangelos and tangerines): For repelling aphids, cutworms, leafrollers, mites, scales, thrips, whiteflies.

Cotton: For repelling aphids, armyworms, boll weevils, bollworms, cotton leaf perforators, cutworms, fleahoppers, loopers, lygus bugs, mites, saltmarsh caterpillars, thrips, webworms, whiteflies.

Cucurbit crops (such as 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, wireworms.

Deciduous nursery stock (trees, shrubs, and flowers) and Greenhouse crops:

For repelling aphids, bagworms, beetles, borers, chafers, curculios, cutworms, leafhoppers, leafminers, leafrollers, maggots, mealy bugs, mites, plant bugs, sawflies, scales, spittlebugs, thrips, webworms, whiteflies.

Forage crops (such as alfalfa, clover, grasses, Timothy and vetch): For repelling aphids, armyworms, caterpillars, chinch bugs, cutworms, fleas, grasshoppers, Japanese beetles, leafhoppers, lygus bugs, mites, spittlebugs, thrips, webworms, weevils, whiteflies.

Fruiting vegetable (such as bell peppers, chili peppers, cooking peppers, eggplant, ground cherry, pepinos, pimentos, sweet peppers, tomatillo and tomatoes): For repelling aphids, beetles, cutworms, fruitworms, hornworms, leafminers, loopers, mealy bugs, mites, plant bugs, whiteflies, wireworms.

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Herbs: For repelling aphids, armyworms, beetles, caterpillars, cutworms, hornworms, leafminers, loppers, mealy bugs, mites, plant bugs, thrips, weevils, whiteflies, wireworms.

Kiwi: For repelling aphids, Japanese beetles, loppers, mealy bugs, mites, thrips, whiteflies.

Leafy vegetables (such as celery, cross, endive, fennel, lettuce, orach, spinach, Swiss chard): For repelling aphids, earworms, grasshoppers, leafhoppers, leafminers, loppers, sowbugs, webworms, whiteflies, wireworms.

Legume vegetables (such as beans including *Lupinus* spp., *Phaseolus* spp. and *Vigna* spp., broad beans, chick peas, guar, jack beans, 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, wireworms.

Nut trees (such as almonds, beech nuts, Brazil nuts, butternuts, chestnuts, chinquapin, filberts, hickory nuts, macadamia nuts, pecans and walnuts): For repelling aphids, beetles, borers, bud moths, carpenter worms, casebearers, catcalas, curculios, gall wasps, leafminers, leafminers, mites, phylloxeras, plant bugs, sawflies, scales, shuckworms, spittlebugs, thrips, twig girdlers, walnut caterpillars, webworms, weevils, whiteflies.

Ornamentals (such as flowers, shrubs, trees): For repelling aphids, bagworms, beetles, borers, chafers, curculios, cutworms, mites, leafhoppers, leafminers, leafrollers, maggots, mealy bugs, plant bugs, sawflies, scale, spittlebugs, thrips, webworms, whiteflies.

Peanuts: For repelling aphids, armyworms, beetles, cutworms, earworms, leafhoppers, mites, rootworms, thrips, whiteflies.

Pome fruit trees (such as apples, crabapples, mayhaws, pears, quinces): For repelling aphids, appleworms, casebearers, codling moths, curculios, leafhoppers, leafminers, leafrollers, maggots, mealy bugs, mites, plant bugs, psylla, sawflies, scales, whiteflies.

Root and tuber vegetables (such as artichokes, beets, burdock, carrots, cassava, chicory, ginger, ginseng, horseradish, parsley, parsnips, potatoes, radishes, rutabagas, salsify, sweet potatoes, turnips, yams): For repelling armyworms, beetles, chinch bugs, grasshoppers, leafhoppers, leafminers, mites, plant bugs, phyllids, rust flies, slugs, symphylans, thrips, tuberworms, weevils, whiteflies, white grubs, wireworms.

Stone fruit trees (such as apricots, nectarines, peaches, plums, sweet and sour cherries): For repelling aphids, beetles, borers, fruit flies, fruit moths, leafminers, leafrollers, mites, weevils, whiteflies.

Notice of Warranty: Westbridge warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. 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 Westbridge. In no case shall Westbridge be liable for consequential, special or indirect damages resulting

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from the use or handling of this product. Westbridge makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

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