

 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p>	EPA Reg. Number:	Date of Issuance:
	869-231	JUN - 4 1996
	Term of Issuance:	Conditional
<p>NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	Name of Pesticide Product: Green Light Diazinon	
Name and Address of Registrant (include ZIP Code): Green Light Company P.O. Box 17985 San Antonio, TX 78217-0985		
<p>Note: Changes in labeling 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 EPA registration number.</p>		
<p>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.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Reg. No. 869-231." b. You are reminded that the phrase "This product must not be used on Golf Courses and Sod Farms" must appear on the top (i.e., within the top half) of the front panel. c. The Agency assumes that the Option B front panel statement "READY TO SPRAY ... AND ON ORNAMENTALS" will replace the front panel "Protects... many others". If not, then the latter statement will have to be modified for the Ready-to-Spray label to read "Protects Lawns, Roses, Flowers, Ornamental Trees and Shrubs" and the pest listing will not 		
Signature of Approving Official:	Date: JUN - 4 1996	

page 2
EPA Reg. No. 869-231

include cutworms and flea beetles. Mites will also have to be deleted unless you add the pest claim Mites (Carnation Bud, Carnation Shoot, Clover, Cyclamen, European Red, Privet, and Two-Spotted Spider) to the Ready-to-Spray directions for use on ornamental trees, shrubs, and flowers. Note: you may delete some of the mite species, if you wish, but may not add others or use the term Mites without specifying types since you are copying the Ciba label.

- d. In the Hazards to Humans text, revise "Do not use inside home." to "Do not use inside the home."
- e. In the seventh sentence of the **Environmental Hazards**, revise "where irrigation (watering)" to read "where watering" .
- f. In the first sentence of the **Disposal** directions for the standard label, add a comma between "concentrate" and "spray mixture". For both the standard and Ready-to-Spray label, revise the second sentence of the **STORAGE** directions to read "in a warm area (68°F or above) inaccessible to children or pets" rather than "in a warm room (68 F or above)". For the Ready-to-Spray label, modify the first sentence of the **STORAGE** directions to read "Store in original container, with the control knob set to the OFF position, in an area inaccessible to children or pets. Revise the proposed **Disposal** directions for the Ready-to-Spray label to read as follows: Do not pour concentrate down the drain or sewer. After container is empty, or if disposal of a partially full container is necessary, make sure control knob is set to the OFF position, wrap in newspaper, and discard entire unit (sprayer and bottle) in trash. Do not reuse.
- g. For the Ready-to Spray label, retain the **General Information** section, but modify it as follows: Delete "To avoid having spray mixture left over, mix only the amount needed."; Revise the next sentence to read "This product kills many outdoor pests which damage lawns, roses, flowers, trees, and shrubs, and insects which annoy pets and people."; Delete item "3" from the notes (since the Ready-to Spray label does not include food crops); and Revise the last item (appearing as "(3)" on your label) to read "Do not apply to food crops."
- h. The Agency assumes that the Ready-to-Spray label will delete the HOW TO MIX AND APPLY heading and text (including the

page 3
EPA Reg. No. 2869-231

Measurement Conversions) and replace it with the Option B directions for attaching and using the sprayer., In those "Application" directions, revise "slilghtly" to "slightly".

- i. On the standard label, in the LAWN PEST CONTROL directions, revise "(6 fl. ozs. per 1,000 sq. ft.)" to read "(6 fl. ozs. in 24 gals. of water covers 1,000 sq. ft.)" in the five places where this text occurs.
- j. On the Ready-to-Spray label, under the heading LAWN PEST CONTROL, be sure to include the *Precautions* and recommended grass sites as found on the standard label. In the sixth sentence of the *Precautions*, revise "Where irrigation (watering) is" to read "Where watering is", and revise "or if waterfowl, i.e. ducks or geese" to read "or if waterfowl (ducks or geese)". In the sentence beginning "Thoroughly wet down", revise "Ticks" to "Brown Dog Ticks" and revise "...Fleas water grass thoroughly after application to ...Fleas, for which grass should be watered thoroughly after application".
- k. In the **Nuisance Pests Outside the Home** directions (which will appear only on the standard label), delete "and ceilings" (which poses an unnecessary risk of runoff into eyes and which does not appear on the Ciba label you are copying) and revise "walkway" to "walkways".
- l. On the standard label, revise the heading **Insect Control on Ornamentals, Trees, Shrubs and Flowers** to **Insect Control on Ornamental Trees, Shrubs and Flowers**. In the two locations where it occurs, before "Mix 2 teaspoons in 1 gallon of water." add "Spray when listed pests first appear." and add "Repeat as necessary." as the last sentence of each set of directions. Correct "Carnation, Bud" to "Carnation Bud" and add "with spray" after "dense foliage" in the flowers and shrubs set of directions. Add a precautionary note as follows: "NOTE: Do not use on ferns, hibiscus, gardenia, or orchids since plant injury may occur.".
- m. In the **VEGETABLES** directions (which will appear only on the standard label), delete the comma after "as well as" and change the symbol after Beans and Peas in the PHI table from "[1]" to "***" and change the symbol in front of "Do not use..." to the same "***" to avoid any possible confusion with 2 apparent PHI numbers being presented for those two crops.

- n. In the directions for each vegetable crop that contains directions for foliar application, i.e., that has the pest grouping including Aphids (as well as Onion Thrips for the crop Onions), add a comma in the second sentence between "days" and "up to". Crops affected by this revision include Beans, Cabbage, Carrots, Cauliflower, Collards, Cucumbers, Lettuce, Melons, Onions, Peppers, Potatoes, Radishes, Spinach, Summer Squash, Winter Squash, Tomatoes, and Turnips.
- o. For all vegetable crops with directions for control of Cutworms, Wireworms, or Mole Crickets the directions are supposed to say "in a minimum of 1 gallon" rather than "in 1 gallon". The homeowner may elect to mix the indicated amount of diazinon in more than 1 gallon of water in order to ensure even coverage over the 500 sq. ft. of garden.
- p. Also in the directions for each vegetable crop that contains directions for control of Cutworms, Wireworms, or Mole Crickets, revise "Broadcast to the soil..." to read "Spray the soil evenly ...".
- q. In the directions for Cauliflower and Collards, revise the last sentence to read "Do not apply within 7 days of harvest for cauliflower, 10 days for collards.", so that the order of the directions is presented in the same as order as the crop names in the heading.
- r. The crop Radishes should have its own set of directions (actually 2 sets of directions, one for aphids, etc. and one for cutworms). Grouping Radishes with Turnips places this crop out of the alphabetical order used for the rest of the crop entries.
- s. For the crop Turnips, revise "Cutwortms" to "Cutworms".
- t. For the crop Almonds, revise "Pariatoria" to "Parlatoria" and correct "5 gallons" to "6 gallons".
- u. The correct crop heading for Blackberries, Boysenberries, etc. is "Caneberries (WA, OR, CA only):" rather than "Cranberries (WA, OR, CA only)". Also, be sure to revise "cranberries" to "caneberries" in the last two sentences of the directions for these crops.

page 5
EPA Reg. No. 869-231

- v. For the crops Plums and Prunes. revise the aphid name "Leaf curl Plum" to "Leafcurl Plum".
 - w. In the directions for the crops Apricots, Caneberries, Cherries, Grapes, Nectarines, Peaches, Plums & Prunes, and Strawberries add a comma between "applications per seasons" and "a minimum of". For the crop Walnuts, revise the current sentence to be consistent with the rest of the crop entries, i.e., to read "Do not make more than 3 applications per season, a minimum of 14 days apart."
 - x. On the Ready-to-Spray label, under the heading **Insect Control on Ornamental Trees, Shrubs and Flowers**, add "with spray" after "dense foliage". In the NOTE, revise "since injury" to read "since plant injury".
 - y. Be sure to meet type size requirements for elements of the label with minimum type size requirements.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Enclosures

GREEN LIGHT DIAZINON

Fast-Acting Broad-Spectrum Low Odor Water-Based

ONE QUART COVERS OVER 5,000 SQ. FT. OF HOME LAWN AREA

**Protects: Lawns, Vegetables, Fruits and Nuts, Roses, Flowers, Trees and Shrubs.
Controls: Ants, Aphids, Chinch Bugs, Cutworms, Flea Beetles, Grubs, Mites, Sod
Webworms and many others.**

This product must not be used on Golf Courses and Sod Farms.
For outdoor use on the Home Lawn and the Home Garden only.

**(OPTION B): READY-TO-SPRAY FOR CONVENIENT AND ACCURATE
APPLICATION. CONTROLS INSECT PESTS OUTSIDE ON HOME LAWNS AND ON
ORNAMENTALS.**

ACTIVE INGREDIENT:

Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate..... 22.4%

INERT INGREDIENTS..... 77.6%
TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Back Or Side Panel For Additional Precautionary Statements

EPA Reg. No. 869-*EGK*

EPA Est. No. TX-1

Net Contents One Quart (0.946 liters)

Green Light Company, P.O. Box 17985, San Antonio, TX 78217-0985

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN - 4 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
869-231

(Back Or Side Panel Or Attached Booklet)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils, such as spoons and measuring cups, must not be used for food purposes after use in measuring pesticides.

STATEMENT OF PRACTICAL TREATMENT: IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

NOTE TO PHYSICIAN: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate, by injection, is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. If ingested, induce emesis or lavage stomach.

ENVIRONMENTAL HAZARDS: This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

STORAGE AND DISPOSAL

STORAGE: Store in original container in an area inaccessible to children or pets. If product freezes, place container in a warm room (68 F or above) and allow to thaw. Shake well before using. **DISPOSAL:** Do not pour the concentrate spray mixture, or the rinse water down the drain or sewer. Do not reuse empty container. Triple rinse the empty container; pour the rinse water into the sprayer, then spray area to be treated. Securely wrap empty container in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

(OPTION B): After container is empty, wrap in newspaper and discard entire unit (sprayer and bottle) in trash. Do not reuse.

GENERAL INFORMATION: Green Light Diazinon is a water-based concentrate which must be diluted with water before application. To avoid having spray mixture left over, mix only the amount needed. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people.

Notes: (1) Do not use inside the home. (2) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia, or orchids since plant injury may occur. (3) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (4) Do not apply to food crops grown in greenhouses.

HOW TO MIX AND APPLY

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

Step #2: Use clean sprayer. Carefully measure and mix the amount of Diazinon and water as suggested in the rate chart.

Step # 3: Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. **See label for complete list of use sites, crops, and insects controlled.** Use the rate given in the label for the type of insect you want to control on the site or crop you are spraying.

Step # 4: Flush sprayer with clean water after each use.

Measurement Conversions

- 1 tablespoon = 3 teaspoons
 - 1 fl. oz. = 6 teaspoons or 2 tablespoons
-

LAWN PEST CONTROL

Precautions:

- (1) Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. *
- (2) Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawn in Nassau County, New York between November 1 and May 20.
- (3) Do not exceed maximum permitted label rates. Application rates above those recommended significantly increased potential hazards to birds and waterfowl.
- (4) Avoid overlapping of sprays.
- (5) Where irrigation (watering) is recommended in the directions, or if waterfowl, i.e. ducks or geese can be expected in the treated area after treatment (except spot treatment), apply at least

1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs.

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustine grass. To control pests listed below, apply recommended rates.

Ants, Armyworms, Bermuda Grass Mites, Clover Mites, Springtails (Collembola), Crickets, Lawn Chinch Bugs, Cutworms, Earwigs, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs), Millipedes: Mix 1-1/2 teaspoons in 1 gallon of water (6 fl. ozs. per 1,000 sq. ft.). Thoroughly wet down grass a few hours before applying. For ants, spot spray ant hills. Billbug control, apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.

Brown Dog Ticks, Chiggers, Fleas: Mix 1-1/2 teaspoons in 1 gallon of water (6 fl. ozs. per 1,000 sq. ft.). Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near the house.

Rhodesgrass Scale: Mix 1-1/2 teaspoons in 1 gallon of water (6 fl. ozs. per 1,000 sq. ft.). Apply when crawler first emerge.

White Grubs of :Japanese Beetle, European Chafer, Southern Chafer: Mix 1-1/2 teaspoons in 1 gallon of water (6 fl. ozs. per 1,000 sq. ft.). Water grass thoroughly after application. Apply anytime between late July and early October.

Hyperodes Weevil: Mix 1-1/2 teaspoons in 1 gallon of water (6 fl. ozs. per 1,000 sq. ft.). Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

NUISANCE PESTS OUTSIDE THE HOME

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola): Mix 2 fl. ozs. in 1 gallon of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceway, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. To prevent entry into houses, spray a five foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary. Do not treat animals with this product. Do not treat plants (other than tree trunks) at this nuisance pest rate.

Fire Ants: To aid in the control of fire ants in home lawns and other outdoor home recreational areas, apply 2 tablespoons in a minimum of 1 gallon of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Large quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gallon per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness. Note: For best results, apply in cool weather, 65-80 F, or in early morning or late evening hours. Treat new mounds as they appear.

INSECT CONTROL ON ORNAMENTALS, TREES, SHRUBS AND FLOWERS

Arborvitae, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow: Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers,

Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-Spotted Spider), Obscure Root Weevils, Omnivorous Leafhoppers, Scale Crawlers (Cottoncushion, Euonymus, Lecanium, Pine Needle, Pit Scale, San Jose, Soft), Webworms, Whiteflies, Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cottoneaster, Fall): Mix 2 teaspoons in 1 gallon of water. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray. **Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses:** Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation, Bud, Carnation Shoot, Cyclamen, European Red, Two-Spotted Spider), Thrips, Whiteflies: Mix 2 teaspoons in 1 gallon of water. Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

VEGETABLES

For foliar or soil applications, Diazinon should be applied in the volume of water recommended below to assure thorough coverage of the foliage or soil. Observe stated time intervals between last application and harvest, as well as, intervals between applications and maximum numbers of applications per season. Do not apply to food crops grown in greenhouses.

Pre-Harvest Intervals (PHI*) Foliar Applications

Beans [1] (Succulent varieties only: Lima, Pole, and Snap) (7), Cabbage (21), Cantaloupes (3), Carrots (14), Cauliflower (7), Collards (10), Cucumbers (7), Honeydew Melons (3), Lettuce (14), Onions, Bulb & Green (14), Peas [1] (7), Peppers (5), Potatoes (35), Radishes (14), Spinach (14), Squash, Summer (7), Squash, Winter (3), Tomatoes (1), Turnips (14), Watermelons (3).

*PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

[1] Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, or dried black-eyed peas.

For applications to the foliage, thoroughly spray all plant parts. Application to the soil should be mixed into the soil immediately after application.

Beans- Lima, Pole, and Snap; Peas (Succulent varieties only): Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest.

NOTE: (1) Do not apply this product to dried bean varieties such as pinto beans or dried limas.

(2) To protect bees, do not apply bean foliage treatments if the beans or weeds in the treatment area are in bloom.

Beets- Red (Table): Cutworms (Surface, Subterranean): Mix 6 tablespoons in 1 gallon of water per 500 sq. ft. Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Beets- Red (Table): Mole Crickets: Mix 2 tablespoons in 1 gallon of water per 500 sq. ft. Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.

Cabbage: Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat

application every 7 days up to 5 applications per season. Do not apply within 21 days of harvest.

Carrots: Aphids, Flea Beetles, Leafhoppers, Spider Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

Carrots: Cutworms (Surface, Subterranean), Wireworms: Mix 6 tablespoons in 1 gallon of water per 500 sq. ft. Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms, 4-8 inches for wireworms.

Cauliflower, Collards: Aphids, Flea Beetles: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest for collards, 7 days for cauliflower.

Cucumbers: Aphids, Thrips, Spider Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.

Lettuce: Aphids, Flea Beetles, Leafhoppers, Spider Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

Melons (Cantaloupes, Honeydews and Watermelons): Aphids, Thrips, Mites: Mix 1 teaspoon in 1 gallon of water per 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.

Onions (Bulb and Green): Onion Thrips: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

Peppers, Potatoes: Colorado Potato Beetles, Flea Beetles, Leafhoppers: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest for peppers, 35 days for potatoes.

Spinach: Aphids, Flea Beetles, Leafhoppers, Spider Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

Summer Squash, Winter Squash: Aphids, Thrips, Spider Mites: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest for summer squash, 3 days for winter squash.

Tomatoes: Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (*Drosophila* spp.): Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.

Tomatoes: Cutworms (Surface, Subterranean), Wireworms: Mix 6 tablespoons in 1 gallon of water per 500 sq. ft. Broadcast to the soil just before planting. Immediately work into the soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms, 4-8 inches for wireworms.

Turnips and Turnip Tops, Radishes: Aphids, Flea Beetles, Leafhoppers: Mix 1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

Turnips and Turnip Tops, Radishes: Cutworms (Surface, Subterranean): Mix 6 tablespoons in 1 gallon of water per 500 sq. ft. Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

FRUITS AND NUTS

Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted. Observe stated time intervals between last application and harvest of the crop, as well as intervals between applications and total number of applications that can be made per season.

Pre-Harvest Intervals*

Almonds (**), Apricots (21), Blackberries (7), Boysenberries (7), Cherries (21), Dewberries (7), Grapes (28), Loganberries (7), Nectarines (21), Peaches (21), Plums (21), Prunes (21), Raspberries (7), Strawberries (5), Walnuts (45).

*PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

**Dormant spray only

NOTE: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

Almonds (CA only): San Jose Scale, Parlatoria Scale: Mix 2 teaspoons in 1 gallon of water. Apply only as a dormant spray. Do not apply more than 5 gallons per 500 sq. ft. of home orchard. This product may be used on almonds only in California. Do not use this product on almonds in other states.

Apricots: Aphids, Apricot Mealybugs, Mites (Brown, Two-Spotted Spider), Scale Crawlers (Olive, San Jose): Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.

Cranberries (WA, OR, CA only), Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries: Aphids, Leafhoppers, Raspberry Fruitworms, Two-Spotted Spider Mites, Thrips: Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 5 gallons per 500 sq. ft. of berry patch. Do not make more than 5 applications per season, a

minimum of 14 days apart. Do not apply within 7 days of harvest. This product may be used on cranberries only in CA, OR and WA. Do not use this product on cranberries grown in other states.

Cherries: Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose): Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season, a minimum of 7 days apart. Do not apply within 21 days of harvest.

Grapes: Aphids, Leafhoppers, Grape Berry Moths, Grape Leafrollers: Mix 1-1/2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of home vineyard. Do not make more than 5 applications per season, a minimum of 7 days apart. Do not apply within 28 days of harvest.

Nectarines: Aphids, Mites (Brown, Two-Spotted Spider), Scale Crawlers (Olive, San Jose): Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season, a minimum of 14 days apart. Do not apply within 21 days of harvest.

Peaches: Aphids, Mites (Brown, Two-Spotted Spider), Scale Crawlers (Olive, San Jose): Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season, a minimum of 14 days apart. Do not apply within 21 days of harvest.

Plums and Prunes: Aphids (Leaf curl Plum, Mealy Plum, Thistle), Mites (Brown, European Red): Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applicaitons per seacon, a minimum of 7 days apart. Do not apply within 21 days of harvest.

Strawberries: Aphids, Two-Spotted Spider Mites, Strawberry Leafrollers: Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of strawberry patch. Do not make more than 3 applications per season, a minimum of 7 days apart. Do not apply within 5 days of harvest. •

Walnuts (CA only): Aphids, Scale Crawlers (Walnut, Italian, Pear, Frosted), Spider Mites, Twig Borers: Mix 2 teaspoons in 1 gallon of water. Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest. This product may be used on walnuts only in California. Do not use this product on walnuts grown in other states.

(OPTION B) READY-TO-SPRAY DIRECTIONS FOR OUTDOOR USE ONLY ON HOME LAWNS AND ORNAMENTALS

The sprayer attached to the container is ready-to-use. Simply attach to your garden hose and follow these simple instructions:

- (1) Make sure the hose-end sprayer is firmly connected to the hose.
- (2) Turn water supply on at the faucet. Water pressure will build in hose since your sprayer is already in the OFF position.
- (3) Bend the vertical tab on the top of the sprayer AWAY from the control knob. At the same time, turn the control knob clockwise so that the safety stop on the knob clears past the vertical tab. Your sprayer is now in the WATER position, applying PURE WATER ONLY.

APPLICATION

- (4) To apply product, turn the control knob clockwise to the ON position.
- (5) Water and product are now being mixed at the proper rate. For best results, hold sprayer and plastic container level and direct sprayer in a sweeping, side-to-side movement. Walk at a steady pace, overlapping slightly to cover the area that you wish to spray.
- (6) To stop spraying, turn the control knob back to the WATER position, and then to the OFF position. Turn off water at the faucet. To relieve water pressure in the hose, turn control knob back to the WATER position before removing sprayer from garden hose.
- (7) Turn the control knob back to the OFF position for storage of unused product and/or disposal of the entire unit.

LAWN PEST CONTROL: For control of Chinch Bugs, Ants, Armyworms, Bermudagrass Mites, Clover Mites, Crickets, Cutworms, Earwigs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs), Brown Dog Ticks, Chiggers, Fleas, White Grubs of : Japanese Beetle, European Chafer, Southern Chafer. Thoroughly wet down grass before applying, except for White Grubs, Ticks, Chiggers and Fleas water grass thoroughly after application. Uniformly spray 6 fl. ozs. per 1,000 sq. ft. of home lawn area. Refer to fill level markings on side panel of the container to determine amount (ounces) of product used.

INSECT PEST CONTROL ON ORNAMENTAL TREES, SHRUBS AND FLOWERS: For use on Arborvitae, Azaleas, Boxwood, Camellias, Elm, Hawthorn, Holly, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow, Chrysanthemums, Carnations, Gladioli, Roses to control: Aphids, Bagworms, Leafminers, Leafhoppers, Mealybugs, Webworms, Whiteflies, Leafrollers, Tent Caterpillars, Thrips. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to spray underside of leaves and penetrate dense foliage.

NOTE: Do not use on ferns, poinsettia, hibiscus, gardenia or orchids since injury may occur.