

KnoxOut[®]GH

**SHAKE WELL
BEFORE USING**

FLOWABLE MICRO-ENCAPSULATED INSECTICIDE

For use in greenhouses and interiorscapes. This product must not be used on golf courses or sod farms.

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 23.0%

INERT INGREDIENTS 77.0%

TOTAL 100.0%

Contains 2 pounds Diazinon per gallon. U.S. Patents 3,429,827 and 3,577,515

Keep Out Of Reach Of Children

CAUTION

FIRST AID ORGANOPHOSPHATE

- **IF SWALLOWED:** 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 to an unconscious or convulsing person.
- **IF ON SKIN:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention.
- **IF IN EYES:** Wash thoroughly with water for at least 15 minutes. Call a physician.
- **NOTE TO PHYSICIAN:** The active ingredient of KnoxOutGH is an organophosphate cholinesterase inhibitor. Atropine is antidotal only if symptoms of cholinesterase inhibition are present. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Morphine is contraindicated.

PRECAUTIONARY STATEMENTS

• HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Use only in well ventilated areas. Wash thoroughly with soap and water after handling and before eating or smoking. Keep out of reach of children. Do not allow children or pets to contact treated surfaces until spray has dried. Do not apply to humans or pets. Cover fish tanks prior to application. Do not contaminate food, foodstuffs, or water supply. Food utensils, such as spoons or measuring cups, must not be used for food purposes after use in measuring pesticides. Do not spray where electrical short circuits might result, such as wall outlets, conduits, switch boxes, or motor housings.

• PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes, plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

• ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters. 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.

This pesticide is highly toxic to bees exposed to direct treatment or 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.

• STORAGE AND DISPOSAL Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in original container only, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

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 container, 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.



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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE 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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not allow children or pets to go into treated areas or to contact treated surfaces until spray has dried.

GENERAL INFORMATION

KnoxOutGH is a flowable micro-encapsulated formulation containing 2 pounds diazinon per gallon.

It is to be used for pest control of ornamental plants in greenhouses and interiorscapes. Do not apply to food crops (fruits, nuts, or vegetables).

Due to its controlled-release nature, KnoxOutGH gives excellent residual kill of the pests listed on this label; however, effective knockdown may take up to 24 hours after application.

Thoroughly wash out spray equipment before using KnoxOutGH. Shake concentrate well before diluting. Do not apply this product through any type of irrigation system. When diluting, first add approximately half of the water to the spray tank, then add the required quantity of KnoxOutGH, and finally add the rest of the water. Occasionally agitate sprayer during use to assure even coverage. Shake or re-agitate sprayer before use if application is interrupted. Do not use this formulation with oil adjuvants such as crop oil, dormant, or horticultural oils.

IF SPRAY SCREENS ARE USED
THEY SHOULD BE 50 MESH OR LARGER.

ORNAMENTAL APPLICATIONS

GREENHOUSE and INTERIORSCAPE

Use in greenhouses is covered by the requirements of the Worker Protection Standard, 40 CFR part 170. See specific instructions on this label for protective clothing and other requirements under that Standard.

Indoor Use Precautions: Apply only in well-ventilated areas. Do not apply when occupants are present in the immediate area. Cover fish tanks prior to application. Do not spray where electrical short circuits might result, such as wall outlets, conduit, switch boxes, or motor housings. Apply to ornamental plants only. Do not apply to food crops.

Ornamental Pests

For control of Aphids, Fungus Gnat Larvae, Leafminers, Mealybugs (Citrus, Stem and Root), Mites, Scale Insects, Thrips and White Fly (suppression): Apply KnoxOutGH to the ornamentals listed on this label at a rate of 0.5 to 1.0 fl oz per gal of water (3-6 pints/100 gal). One tablespoon = 0.5 fl oz. Treat when insects appear. Use the higher rate for heavy infestations. For improved knockdown of heavy infestations, apply as a tank mix or separate spray with a pyrethroid or other fast acting material. Repeat applications as necessary at 21-28 day intervals or earlier depending on pest response and watering practices.

For Foliar Application: Apply KnoxOutGH as a full coverage spray until drip for the control or suppression of the following stem and foliage insects: Aphids, Leafminers, Mealybugs (Citrus, Stem and Root), Mites, Scale Insects, Thrips and White Fly. A nonionic spreader may be used on hard to wet surfaces and to reduce the appearance of residue. A sticking agent is not recommended as it may interfere with product release characteristics and reduce effectiveness.

For Soil Application: Apply KnoxOutGH as a directed heavy spray or light drench into the upper 1 inch of soil or growing media for the control of the following pests: Fungus Gnat larvae and Shore Fly larvae. This product may also be used as an under-the-bench spray for control of these pests. Apply in a similar fashion and use with a program of sanitation and alternate host control to limit habitat.

Ornamental Plants - For use on herbaceous and woody ornamental plants, annuals and perennials such as but not limited to:

African Violets - <i>Saintpaulia</i> spp.	Juniper - <i>Juniperus</i> spp.
<i>Agapanthus</i> spp.	<i>Leucothoe</i> spp.
<i>Ageratum</i> spp.	Lilac - <i>Syringa</i> spp.
Almond (non-bearing) - <i>Prunus</i> spp.	Lily - <i>Lilium</i> spp.
Aluminum Plant - <i>Pilea cadieri</i>	<i>Malus</i> spp.
<i>Alyssum</i> spp.	<i>Maranta</i> spp.
Arrowhead - <i>Sagittaria</i> spp.	Marigold - <i>Tagetes</i> spp.
Azalea - <i>Rhododendron</i> spp.	<i>Nandina</i> spp.
Baby's Breath Gyp - <i>Gypsophila</i> spp.	Oleander - <i>Nerium oleander</i>
Balsam - <i>Impatiens balsamina</i>	Orchid
<i>Begonia</i> spp.	<i>Osmanthus</i> spp.
Bird's Nest Fern - <i>Asplenium nitus</i>	<i>Pachysandra</i> spp.
Boston Fern - <i>Nephrolepis exaltata</i>	Pansy - <i>Vilosa</i> spp.
Bottlebrush - <i>Callistemon</i> spp.	Peach (non-bearing) - <i>Prunus</i> spp.
Cactus - spp.	Periwinkle - <i>Vinca</i> spp.
<i>Camellia</i> spp.	<i>Petunia</i> spp.
Carnation - <i>Dianthus</i> spp.	<i>Photinia</i> spp.
Cherry (non-bearing) - <i>Prunus</i> spp.	Pine - <i>Pinus</i> spp.
<i>Chrysanthemum</i> spp.	Pineapple Guava - <i>Psidium guajava</i>
Cockscomb - <i>Celosia</i> spp.	<i>Pittosporum</i> spp.
<i>Coleus</i> spp.	Plane tree - <i>Platanus occidentalis</i>
<i>Cotoneaster</i> spp.	<i>Podocarpus</i> spp.
Crape Myrtle - <i>Lagerstroemia indica</i>	Poinsettia - <i>Euphorbia pulcherrima</i>
Croton - <i>Codiaeum variegatum</i>	Pot Marigold - <i>Calendula</i> spp.
Leyland Cypress - <i>Cupressus leylandii</i>	Primrose - <i>Primula</i> spp.
Daisy - <i>Bellis perennis</i>	Privet - <i>Ligustrum</i> spp.
Dogwood - <i>Cornus</i> spp.	<i>Raphiolepis</i> spp.
<i>Escallonia</i> spp.	<i>Rhododendron</i> spp.
<i>Euonymus</i> spp.	Rose - <i>Rosa</i> spp.
Fir - <i>Abies</i> spp.	Scarlet Sage - <i>Salvia</i> spp.
Firethorn - <i>Pyracantha</i> spp.	<i>Sedum</i> spp.
Floss Flower - <i>Ageratum conyzoides</i>	Shasta Daisy - <i>Chrysanthemum maximum</i>
Friendship Plant - <i>Pilea involucrata</i>	Snake Plant - <i>Sansevieria trifasciata</i>
<i>Gardenia</i> spp.	Snapdragon - <i>Antirrhinum majus</i>
<i>Gazania</i> spp.	Spider Plant - <i>Chlorophytum comosum</i>
<i>Geranium</i> spp.	Spruce - <i>Picea</i> spp.
<i>Gleditsia</i> spp.	Star Jasmine - <i>Jasminum</i> spp.
Gold Dust - <i>Acacia acinacea</i>	Strawflower - <i>Acroclinium</i> spp.
Good Luck Plant - <i>Cordyline terminalis</i>	Tahitian Bridal Veil - <i>Gibasis pellucida</i>
Holly - <i>Ilex</i> spp.	Velvet Plant - <i>Gynura aurantiaca</i>
Honeylocust - <i>Gleditsia</i> spp.	<i>Verbena</i> spp.
Honeysuckle - <i>Lonicera</i> spp.	<i>Vinca</i> spp.
<i>Hydrangea</i> spp.	Wandering Jew - <i>Tradescantia albiflora</i>
<i>Impatiens</i> spp.	Wax Plant - <i>Hoya carnososa</i>
Ivy - <i>Hedera</i> spp.	Yellowwood - <i>Cladrastis lutea</i>
Jade Plant - <i>Crassula argentea</i>	<i>Zinnia</i> spp.
Japanese Aralia - <i>Dizygotheca</i> spp.	

KnoxOutGH has demonstrated excellent plant safety; even so, all varieties of plants have not been fully tested. When treating large numbers of plants of a single variety, or when treating material not specifically listed above, spray a few plants and observe for phytotoxicity prior to full scale application. Wait 5-7 days after treatment to evaluate trial results. KnoxOutGH will not control some organophosphate resistant ornamental plant pests. Do not use on Bella Palm, Dracaena, Hoya (except as noted above), Maidenhair Fern, Neath, and Prayer Plant.

LIMITED WARRANTY AND DISCLAIMER

CLEARY CHEMICAL CORPORATION warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. CLEARY CHEMICAL CORPORATION makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall CLEARY CHEMICAL or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product including, but not limited to, loss of profits, business reputation, or customers, labor costs, or other expenses incurred in planting or harvesting. CLEARY CHEMICAL and 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 signed by a duly authorized representative of CLEARY CHEMICAL CORPORATION.

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