

**WA Cleary Chemical Corporation****Knox OUT<sup>®</sup>GH**  
**ORNAMENTAL INSECTICIDE**

Flowable Microencapsulated Insecticide For Nursery, Greenhouse, Interiorscapes and Commercial Landscape Uses. This product must not be used on golf courses or sod farms.

**RESTRICTED USE PESTICIDE****Due to Avian and Aquatic Toxicity**

For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

**ACTIVE INGREDIENT**

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate . . . . . 23%

**INERT INGREDIENTS** . . . . . 77%

**TOTAL** . . . . . 100%

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

EPA REG. NO. 4581-379-1001

EPA EST. NO. 39578-TX-1

**KEEP OUT OF REACH OF CHILDREN****CAUTION****STATEMENT OF PRACTICAL TREATMENT****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 KNOX OUT<sup>®</sup>GH 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 apply to humans or pets. Cover fish tanks prior to application. Do not contaminate food, feedstuffs, 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 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.

**Interiorscape and Landscape Uses:** Do not enter or allow entry into treated areas until sprays have dried unless wearing the personal protective equipment listed on this label.

**GENERAL INFORMATION**

KNOX OUT GH is a flowable micro-encapsulated formulation containing 2 pounds diazinon per gallon.

It is to be used for pest control in greenhouses and nurseries, interiorscapes, and on ornamentals in landscaped, mulched or plant bed areas of commercial properties. Do not apply to lawns.

Due to its controlled-release nature, KNOX OUT<sup>®</sup>GH 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 KNOX OUT<sup>®</sup>GH. 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 KNOX OUT<sup>®</sup>GH, 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 (crop oil, dormant, or horticultural oils).

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

**ORNAMENTAL APPLICATIONS****NURSERY, GREENHOUSE, COMMERCIAL LANDSCAPE, and INTERIORSCAPE**

Use in greenhouses and nurseries 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.

**OUTDOOR USE PRECAUTIONS:** Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water and launder clothing before wearing again. Apply to ornamental plants only. Do not apply to lawns or food crops.

**INDOOR USE PRECAUTIONS:** Apply only in well-ventilated areas. Apply to ornamental plants only. 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. Do not apply to food crops grown in greenhouses.

**Ornamental Pests**

For control of Aphids, Fungus Gnat Larvae, Leafminers, Mealybugs (Citrus, Stem and Root), Mites, Scale Insects, Thrips and White Fly (suppression).

Apply KNOX OUT<sup>®</sup>GH to the ornamentals listed on this label at a rate of 0.5 to 1.0 fl. oz. per gallon of water (3-6 pints/100 gallons). One tablespoon = 0.5 fl. oz.

Treat when insects appear. Use the higher rate for heavy infestations. Repeat applications as necessary.

**Ornamental Plants**

African Violets—Saintpaulia spp.	Leucothoe spp.
Agapanthus spp.	Lilac—Syringa spp.
Ageratum spp.	Malus spp.
Aluminum Plant—Pilea cadieri	Maranta spp.
Alyssum spp.	Marigold—Tagetes spp.
Arrowhead	Nandina spp.
Azalea—Rhododendron spp.	Oleander—Nerium oleander
Begonia spp.	Orchid—spp.
Bird's Nest Fern—Asplenium nitus	Osmanthus spp.
Boston Fern—Nephrolepis exaltata	Pachysandra spp.
Bottlebrush—Callistemon spp.	Periwinkle—Vinca spp.
Cactus—spp.	Petunia spp.
Calendula spp.	Photinia spp.
Camellia spp.	Pineapple Guava—Psidium guajava
Chrysanthemum spp.	Pittosporum spp.
Cockscomb—Celosia spp.	Podocarpus spp.
Coleus spp.	Poinsettia—Euphorbia pulcherrima
Cotoneaster spp.	Primrose—Primula spp.
Crape Myrtle—Lagerstroemia indica	Privet—Ligustrum
Croton—Codiaeum variegatum	Pyracantha spp.
Daisy—Bellis perennis	Raphiolepis spp.
Dianthus spp.	Rhododendron spp.
Dogwood—Cornus	Rose—Rosa spp.
Escallonia spp.	Salvia spp.
Euonymus spp.	Scarlet Sage—Salvia spp.
Floss Flower—Ageratum conyzoides	Sedum spp.
Friendship Plant—Pilea involucrata	Snake Plant—Sansevieria trifasciata
Gardenia spp.	Snapdragon—Antirrhinum majus
Gazania spp.	Spider Plant—Chlorophytum comosum
Geranium spp.	Star Jasmine—Jasminum spp.
Gold Dust—Acacia acinacea	Strawflower—Acroclinium spp.
Honeysuckle—Lonicera spp.	Tahitian Bridal Veil—Gibasis pellucida
Hydrangea spp.	Velvet Plant—Gynura aurantiaca
Ilex spp.	Verbena spp.
Impatiens spp.	Vinca spp.
Ivy—Hedera spp.	Wandering Jew—Tradescantia albiflora
Jade Plant—Crassula argentea	Wax Plant—Hoya carnosa
Japanese Aralia—Dizygotheca spp.	Zinnia spp.
Juniper—Juniperus spp.	

Do not use on Bella Palm, Dracaena, Hoya, Maidenhair Fern, Neath, and Prayer Plant. KNOX OUT®GH has demonstrated excellent plant safety; however, all varieties of the plants listed above have not been tested. When treating large numbers of plants of a single variety, spray a few plants and observe for phytotoxicity prior to full scale application. KNOX OUT®GH will not control some organophosphate resistant ornamental plant pests.

**LIMITED WARRANTY AND DISCLAIMER**

W. A. 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. W.A. CLEARY makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall W.A. CLEARY 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 cost; or other expenses incurred in planting or harvesting. W.A. CLEARY 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 W.A. CLEARY CHEMICAL CORPORATION.

Effective Date: 10/95

Replaces: 8/94

WAC70315M