

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO.	DATE OF ISSUANCE
	499-248	NOV - 6 1987
	TERM OF ISSUANCE	
		Until Reregistered
		NAME OF PESTICIDE PRODUCT
		Whitmire Knox-Out Microencapsulated Diazinon Time Release Insecticide PZ 1500F

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

161,205,090
181

Whitmire Research Laboratories, Inc.
3568 Tree Court Industrial Boulevard
St. Louis, MO 63122

NOTE: Changes in labeling formula 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 U.S. EPA registration number.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 499-248" to your label before you release the product for shipment.
3. The Storage Stability Study is not acceptable. The active ingredient in a dilute formulation is likely to degrade more rapidly than in a more concentrated formulation. Therefore, data from a 1.0% product cannot be extrapolated to a 0.5% product. Storage stability data must be submitted or referenced for this product. This data must be submitted within 14 months from the Notice of Registration.
4. Submit five (5) 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.

BEST AVAILABLE COPY

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *[Signature]* DATE: 11/6/87

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.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

BEST AVAILABLE COPY

397

FRONT PANEL

ACCEPTED 9/28/86
with COMMENTS
in EPA Letter Dated:

Whitmire
KNOX OUT®

NOV - 6 1987

Microencapsulated Diazinon
Timed Release Insecticide
PT® 1500R
Greenhouse & Foliage Spray

Under the FIFRA Section 24(b)
Exemption and Antidote Act
as amended for the pesticide
registered under EPA Reg. No.
499-248

KILLS: Ants, Aphids, Armyworms, Bugs (Boxelder, Lace, and Plant) Borers, Carpenter Ants, Caterpillars (Redhumped, Yellow necked, and Oleander), Centipedes, Cockroaches, Crickets, Cutworms, Earwigs, Firebrats, Flies, Fruitworm, Fungus Gnat Larvae, Gnat, Grasshoppers, Leafminers, Leafrollers, Leaf tiers, Loopers, Mealybugs, Midges, Millipedes, Mosquitoes, Moths, Psylla, Root Borers, Scale Insects and Thrips, Silverfish, Southern Armyworm, Sowbugs, Spiders, Spider Mites, Springtails, Symphylan, Webworm, Weevils, Whiteflies, Wireworms, and Warehouse Beetle.

FOR USE INDOOR AND OUTDOOR: Flower Shops, Garden Centers, Greenhouses, Hobby Greenhouse, Homes, Interiorscapes, Landscapes and Nurseries.

FOR USE INDOORS AND OUTDOORS BUT NOT LIMITED TO: African Violets, Agapanthus, Ageratum, Aluminum Plant, Alyssum, Arrowhead, Azalea, Begonia, Bird's Nest Fern, Blue Spruce, Boston Fern, Bottlebrush, Cactus, Calendula, Camelia, Carnations, Celosia Jewel Box, Chrysanthemum, Cockscomb, Coleus, Cotoneaster, Crape Myrtle, Croton, Daisy, Dianthus, Dogwood, Dracaena, Dusty Miller, Dwarf Lilac, Escallonia, Euonymus, Flat Topped Sedum, Floss Flower, Friendship Plant, Gardenia, Gazania, Geranium, Golddust, Honeysuckle, Hydrangea, Ilex, Impatiens, Ivy, Jade Plant (Crassula), Japanese Arelia, Juniper, Leucothoe, Lilac, Malus, Maranta, Marigold, Mock Orange, Mugho Pine, Nandina, Oleander, Orchid, Osmanthus, Pachysandra, Periwinkle, Petunia, Pfitzer Juniper, Photinia, Pineapple Guava, Pittosporum, Podocarpus, Primrose, Privet, Pyracantha, Raphiolepis, Rhododendron, Rose, Salvia, Sansevieria, Scarlet Sage, Snake Plant, Snapdragon, Soft Maple, Spider Plant, Star Jasmine, Strawflower, Swedish Ivy, Tahitian Bridal Veil, Velvet Plant (Gynura), Verbena, Wandering Jew, Wax Plant, Zinnia

DO NOT USE ON: Neanthe Bells Palm, Hoya, Maidenhair Fern, Heath, Poinsettia and Prayer Plant.

Active Ingredient:

Diazinon, [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] 0.5%

Inert Ingredients: 99.5%

EPA REG. NO. 499-
EPA Est. No. 499-MO-1

12 point type

KEEP OUT OF REACH OF CHILDREN

18 point type

CAUTION

BEST AVAILABLE COPY

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention immediately.

Note to Physician: If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

Net Weight: 16 oz.

SIDE PANEL

Whitmire
KNOX OUT®
Microencapsulated Diazinon
Timed Release Insecticide
PT® 1500R

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. In case of contact flush eyes or skin with water. Wash thoroughly after using and before smoking or eating. Avoid contamination of food, utensils and food preparation areas. Food should be removed or covered before treatment. All food contacting surfaces and cooking utensils should be covered before treatment or thoroughly cleaned before use.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, birds, and other wildlife. Do not apply directly to water. Apply this product only as specified on the label. Do not contaminate water by disposal of wastes. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity, usually between late evening and early morning.

PHYSICAL OR CHEMICAL HAZARDS: EXTREMELY FLAMMABLE. Do not use or store near fire, sparks, or heated surfaces. Turn off pilot lights in gas appliances and unplug or turn off electrical equipment in the use area. After airing out phase is completed, relight pilot lights and reconnect electrical current. Do not smoke in the use area. Contents under pressure. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Incineration of container may cause explosion. Do not store below 32°F.

Do not spray where electrical short circuits might result, such as in wall outlets, conduits, motors, switches, etc. Do not spray directly into any electronic equipment such as radios, televisions, computers, telephones, etc.

SPECIAL NOTE: Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustions exists.

ADDITIONAL NOTE: This product has been tested on a wide range of foliage and flowering plants and has demonstrated excellent plant safety. However, not all varieties of the plants listed have been tested. Environmental conditions can significantly affect phytotoxicity, therefore, before treating a large number of plants spray a few plants and observe for phytotoxicity at least two days prior to full scale application.

SHAKE WELL BEFORE USING

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

SIDE PANEL (cont.)

INDOORS: FLOWER SHOPS, GARDEN CENTERS, GREENHOUSES, HOBBY GREENHOUSES, HOMES, INTERIORSAPES: For light infestations treat at five seconds per 100 square feet. For heavy infestations treat at ten seconds per 100 square feet.

Dosage based on 2 foot high plants. Lower or higher dosage should be given based on height of foliage. Move can in a fast sweeping motion to provide maximum coverage maintaining a distance of 18 to 24 inches away from foliage.

Spot Treatment: For individual plants and localized infestations:: Spray light mist on upper and lower leaf surfaces at a distance of 18-24 inches away from foliage. Avoid wetting foliage with spray. Repeat application as necessary.

OUTDOORS: LANDSCAPES, NURSERIES, ORNAMENTAL PLANTS, SHRUBS: For best results, spray when air is still. Use slow sweeping motion, holding the can 18-24 inches from plant. Avoid wetting foliage with spray. Spray rows at the rate of one foot per second. For heavy growth spray on both sides. Repeat when necessary.

RESIDENTIAL-INDOOR PESTS

Cockroaches, Spiders, Silverfish, Crickets, Firebrats: Make spot treatment. Direct spray on floors, walls, behind shelves and drawers. Spray directly on insects in these locations where possible. Repeat as necessary.

Ants: Spray into trails, nests and points of entry around doors, windows, and storage areas. Spray directly on insects in these locations where possible.

RESIDENTIAL-OUTDOOR PESTS

Flies: Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where insects light or congregate. Repeat as necessary.

Ants, Crickets: For treatment of localized infestations of these insects in outdoor areas where there are weeds or brushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat applications as infestation warrant and as reinfestations occur.

STORAGE AND DISPOSAL:

STORAGE: Store in a cool dry place away from heat or open flame and inaccessible to children. Do not store below 32°F.

CONTAINER DISPOSAL: Do not reuse empty container. Do not puncture or incinerate. Replace cap and discard in trash.

PESTICIDE DISPOSAL: Securely wrap container in several layers of newspaper and discard in trash.

SIDE PANEL (cont.)

Conditions of Sale and Warranty

NOTICE OF WARRANTY: The directions for use of this product reflects field use and tests. The directions are believed to be reliable and should be carefully followed. It is impossible to eliminate all risks inherently associated with the use of this product. Unintentional consequences such as crop injury or ineffectiveness may result because of environmental conditions, manner of use or application, insect resistance; all which are beyond the control of Whitmire or the seller. All such risks shall be assumed by the buyer.

WHITMIRE RESEARCH LABORATORIES, INC.
St. Louis, Missouri 63122
Copyright, 1986