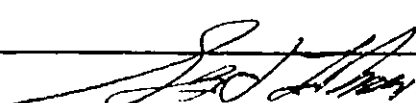


US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	499-234	SEP 30 1986
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	TERM OF ISSUANCE	
	Until reregistered	
NAME OF PESTICIDE PRODUCT		
Knox-Out Microencapsulated Diazinon Time Released Insecticide P1 1500A		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Whitire 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 and/or 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. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No. 499-234."		
b. Change "Southern Ar Worm" to "Southern Armyworm." See paragraph 3 of our letter of November 25, 1985.		
c. Correct the spelling of Aralia and Nandina. See paragraph 8 of our letter of November 25, 1985.		
d. Delete "Virvia." See paragraph 9 of our letter of November 25, 1985.		
e. Change Active Ingredients to singular.		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		9/30/86

- f. Insert parenthesis at "0-(2-" and after "pyrimidinyl."
- g. Add "or convulsing" before "person" in the If Swallowed section.
- h. Add "Recommended for Commercial/Industrial Use" to the front panel.
- i. For this product, application can be allowed to patient room areas, but the room should be vacated during treatment. The same would apply to schools. The entire school need not be unoccupied, but the area to be treated should be, and all spray deposits should be allowed to thoroughly dry before the area is reoccupied.
- j. Add "Vacate patient rooms and school rooms before treatment. Allow spray deposits to dry thoroughly before the treated area is reoccupied" to the Directions for Use in patient rooms and schools.
- k. Please proofread your copy, additional spelling errors were noted.

3. 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.

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

FRONT PANEL

REGISTERED
WITH COMMENTS 2/13/86
EPA Letter 86-03

Whitmire
KNOX OUT®

SEP 30 1986

Microencapsulated Diazinon
Timed Release Insecticide
PT 1500A

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
499-234

Kills: Ants, Aphids, Boxelder Bugs, Carpenter Ants, Carpet Beetles,
Centipedes, Cockroaches, Confused Flour Beetle, Crickets, Firebrats, Fleas,
Flies, Fungus Gnat Larvae, Grain Weevil, Lacebugs, Leaf Miners, Mealybugs,
Mexican Bean Beetle Larvae, Red Flour Beetle, Rice Weevil, Sawtoothed Grain
Beetle, Scale Insects and Thrips, Silverfish, Southern Army Worm, Sowbugs,
Spider Mites, Ticks, Whiteflies, and Warehouse Beetle.

For Use In: Apartments, Food Processing Plants, Homes, Hospitals and Nursing
Homes (non-patient room areas), Hotels, Manufacturing Plants, Motels,
Restaurants, Schools, Stores, Warehouses, and on vessels, aircraft, boats,
ships, rail cars, buses, trucks and trailers, in Greenhouses and on
Ornamentals, on Plant Scapes and for control of insects.

Flowers or Ornamentals: 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, Grape Myrtle,
Croton, Daisy, Dianthus, Dogwood, 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, Nondina, 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, Virvia,
Wandering Jew, Wax Plant, Zinnia

Do not use on Neanthe Bella Palm, Dracaena, Hoya, Maidenhair Fern, Heath,
Poinsettia and Prayer Plant.

Active Ingredients:

Diazinon, O,O-Diethyl O- 2-isopropyl-6-methyl-4-pyrimidinyl
phosphorothioate 1.0%

Inert Ingredients

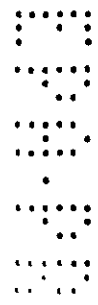
99.0%

12 point type

KEEP OUT OF REACH OF CHILDREN

18 point type

CAUTION



FRONT PAGE (cont.)

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.

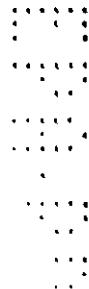
IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

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 1500A

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May cause eye irritation. Harmful if swallowed or inhaled. May be absorbed through the skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes or clothing.

Wash thoroughly after using and before smoking or eating. Avoid contamination of food, utensils, and food preparation areas. Keep children and pets off treated areas until spray has dried. Cover fish tanks prior to application.

NOTICE TO APPLICATOR: When spraying large greenhouse ranges or when subject to extended inhalation exposure wear a pesticide respirator jointly approved by The Mining Safety and Health Administration and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part 11.

ENVIRONMENTAL HAZARDS: This product 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: Contents under pressure. Do not puncture or incinerate. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting.

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, etc.

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.)

SHAKE WELL BEFORE USING

Whitmire PT 1500A 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 overnight prior to full scale application.

HOW TO USE WHITMIRE CRACK AND CREVICE INJECTION EQUIPMENT

Do not use as an indoor space spray. See additional directions for Greenhouse and Outdoor use. Whitmire PT 1500A is for use indoors, only with injection tube and for injecting into cracks and crevices where insects may be hiding, living and breeding. Place injection tip 1/2" into cracks, crevices, holes and other small openings where insects may be a problem. Release approximately one-second spray per spot. In serious infestation, if possible, place spots approximately 12" apart. In light infestation or preventative treatment place spots approximately three feet apart. In long running cracks, move the injector tip along the crack while spraying. Move at the rate of one linear foot per second in heavy infestations and three feet per second in light infestations. See the additional directions below for effective control of specified insects.

INDOOR PESTS

Cockroaches, crickets: Make spot applications and/or crack and crevice injections into hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators, behind baseboards, coffee makers, meter boxes and manholes. Spray directly on insects in these locations where possible. Repeat as necessary.

Silverfish: Spray cracks and crevices in baseboards, door frames, bookcases and storage areas. Spray directly on insects in these locations where possible. Repeat as necessary.

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

Carpenter Ants: Locate source of infestation. Inject 5 - 10 seconds spray into insect tunnels and cavities. Seal entrance openings with small pieces of stainless steel wool after spray application.

Carpet Beetles: Make spray applications on and under edges of floor coverings, under carpets and furniture and in closets or other localities where these insects are found. Entire carpets may be treated. When treating entire carpets see directions under Fleas and Ticks. Repeat application as necessary.

SIDE PANEL (cont.)

Fleas and Ticks: Apply PT 1500A to pet beds and resting quarters, adjacent cracks and crevices, baseboards, carpets and floor coverings between and under cushions of upholstered furniture and other areas where the pests may be present. Entire carpets may be treated. Applications to most surfaces should be as light as possible, approximately one 16 oz. can per 450 square feet. It may be necessary to use a higher volume of spray, approximately one 16 oz. can per 300 square feet, on long, dense shag carpets. Old bedding of pets should be replaced with clean, fresh bedding after treatment. Animals should not be sprayed with this product.

APPLICATIONS IN FOOD HANDLING ESTABLISHMENTS: Places other than private residences in which food is held, processed, prepared or served.

FOOD AREAS - APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY: Include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Servicing areas (when food is exposed and facility is in operation) also would be considered a food area.

Apply in small amounts directly into cracks and crevices using injection tube in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where insects hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD-HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

STORED PRODUCT PESTS - For control of exposed stages of Sawtoothed Grain Beetle, Confused Flour Beetle, Rice Weevil, Grain Weevil, Warehouse Beetle: Make spot and/or crack and crevice treatment to localized areas including shelves, cupboards, walls and floors, where food products suspected of being infested are stored. Food should be removed or covered during treatment. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within packaging. Infested food packaging should be destroyed.

OUTDOOR PESTS

FLIES: For outdoor use only as an aid in reducing annoyance from these insects. 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 these insects alight 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 infestations warrant and as reinfestations occur.

SIDE PANEL (cont.)

Perimeter Treatment - Apply spray to exterior surfaces of building, proches, screens, window frames, eaves, patios, garages and other areas where pests congregate or enter premises.

To help prevent infestations of buildings treat a band of soil 6 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. A rate of 14 seconds per 100 square feet is desirable.

USE IN AND AROUND LIVESTOCK HOUSING - For control of Flies in Barns and Animal Sleeping Quarters (except Dairy Barns, Milk Rooms and Poultry Houses): Apply to ceilings and walls of livestock sheds, calf barns, hog barns, loading sheds, and other farm buildings except dairy barns, milkrooms and poultry houses. Areas where flies congregate, such as garbage dumps and corrals, should be sprayed thoroughly. Repeat applications as fly populations warrant.

Remove animals from buildings prior to treatment and keep animals out until spray has dried.

Do not contaminate milk, feed, drinking water or apply to animals or poultry.

ORNAMENTAL PLANTS AND GREENHOUSE INDOOR PLANTSCAPING: (Indoors) Greenhouse preapplication directions: For best results, apply at end of work day. Shut off all outside exhaust fans. Close windows, doors and ventilators. If greenhouse cannot be closed tightly, use higher spray dosage.

APPLICATION DIRECTIONS

Dosage: Apply 5 - 10 seconds per 100 square feet.

Light Infested Areas

Spray direction path 5 seconds per 100 square feet.

Heavy Infested Areas

Spray direction serpentine path 10 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: Spot treat at a rate of 10 seconds per 100 square feet. Apply as insects begin to appear. Repeat application as necessary.

ORNAMENTAL PLANTS: To protect outdoor plants when spraying, keep can 18 - 24 inches from plant. For best results, spray in evening or on a cloudy day when air is still. Use slow sweeping motion. Avoid wetting foliage with spray. Spray rows at the rate of one foot per second. For heavy growth, spray row on both sides. Repeat when necessary. Spray with caution on growing plants and new growth.

SIDE PANEL (cont.)

SPECIAL NOTICE: Good greenhouse management must overrule the use of PT 1500A when any conditions might be created by tightly closing greenhouses that would harm plant foliage or flowers. (Example: creation of high temperature or humidity). Do not use PT 1500A in greenhouses with unvented or defective gas heating systems or when open combustion exists.

STORAGE AND DISPOSAL 12 point type

Storage: Store in a cool dry place away from heat or open flame and inaccessible to children.

Disposal: Do not re-use empty container. Do not puncture or incinerate. Replace cap and discard container in trash.

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