

JUL 18 1994

Mr. Michael G. Sarli
 Whitmire Research Laboratories, Inc.
 3568 Tree Court Industrial Boulevard
 St. Louis, MO 63122-6620

Dear Mr. Sarli:

Subject: Amendment- Revise per Diazinon Registration Standard
 Whitmire PT 265A Knox Out Plus
 EPA Registration Number 499-272
 Your submissions dated May 31, 1990 and June 1, 1990

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, and a copy of a stamped label is enclosed for your records.

Please make the following revisions when preparing the actual finished label:

1. Change the site "Hospitals" to "Hospitals (non-occupied patient areas)".
2. Revise the four paragraphs of the Hazards to Humans and Domestic Animals statement to read "Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Use only in well-ventilated areas. Do not smoke while applying this product. Wash thoroughly with soap and water after handling and before eating and smoking. Remove and wash contaminated clothing before reuse. Remove pets from area and remove or cover fish bowels before spraying. Do not allow children or pets in treated areas until sprayed surfaces have dried."

CONCURRENCES							
SYMBOL	112505C						
SURNAME	PAQ						
DATE	5/13/94						

3. Delete the third paragraph under the Environmental Hazards section and revise the first paragraph as follows "This pesticide is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water or to areas where surface water is present. Do not contaminate water by disposal. This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming plants where they feed. Do not apply this product to or allow it to drift to food crops or any desirable vegetation at any time."

4. Change the words "Indoor Pests" and "Outdoor Pests" to "Indoor Use" and "Outdoor Use", respectively.

5. Add a asterisk to "FLEAS AND TICK", and the footnote, "*Controls adult fleas on treated areas."

6. The precautionary statements regarding use of the product must be revised to reflect the latest approved labeling for the type of product i.e. " Precautions: 1) Do not use this product indoors as an overall surface spray or as a space spray: take care not to introduce this product into the air during application. 2) Use only in well ventilated areas. 3) Do not apply where children are likely to frequently contact treated surfaces. 4) Remove or cover fish bowls and remove pets before application. 5) Do not treat pets or plants with this product. 6) Do not allow children or pets in treated areas until spray has dried. 7) Do not apply this product in any rooms while occupied by patients, the elderly or infirm. 8) Do not apply to classrooms when in use. 9) In institutions (including, but not limited to office buildings, museums, libraries, and sport facilities) do not apply this product while occupants are present in the immediate area. 10) Avoid excess wetting of carpet, floor coverings or unfinished materials because damage may occur. 11) are should be taken to avoid spotting of walls, wall coverings, and fabrics. 12) Do not apply directly to conduits, motor housings or electric switch boxes. 13) Do not apply to areas, surfaces or utensils which contact food or feed. 14) Exposed food should be covered or removed during application. 15) All food processing surfaces and utensils should be covered during application or thoroughly wash with soap and water before use. 16) DO NOT USE THIS PRODUCT IN USDA MEAT AND POULTRY PLANTS. 17) Do not treat plants or pets with this product. 18) If clothing is sprayed during application, remove clothing immediately after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

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Submit three copies of finished labeling prior to releasing the product for shipment.

Your current Confidential Statement of Formula (CSF) does not list the impurities of toxicological concern separately nor does it include the diazinon certification for FIFRA Sec. 12(a)(1)(C), that the description of this product refers to the composition set forth on the CSF and supporting materials as required by the Diazinon Registration Standard. Please check with Ciba Geigy, your supplier in this regard and update your CSF accordingly.

Sincerely yours,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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ACCEPTED
with COMMENTS
EPA Letter Dated

5/29/90 JUL 18/994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the pesticide
registered under EPA Reg. No.
499-272

FRONT PANEL:

Whitmire
PT® 265A KNOX OUT® Plus

MICROENCAPSULATED DIAZINON

KILLS: Cockroaches, Crickets, Silverfish, Ants, Firebrats, Fleas, Flies, Ticks, Weevils, Spiders, Beetles, Centipedes, Granary Weevils, Rice Weevils, Confused Flour Beetles, Red Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Drugstore Beetles, Dermestid Beetles, Grain Mites, Dried Fruit Beetles, Cadelles, Mealworms, Trogaderma.

For use in, including but not limited to, bakeries, hospitals, supermarkets, motels, hotels, homes, transportation equipment (buses, boats, ships, trains, trucks, planes), utilities, meat packing and food processing plants, food storage areas, and restaurants and other food handling establishments, schools, warehouses, and other commercial buildings.

Not for Use in USDA Meat and Poultry Processing Plants

ACTIVE INGREDIENTS:

Diazinon [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]	0.50%
Pyrethrins	0.10%
Piperonyl Butoxide, Technical	0.80%

INERT INGREDIENTS: 99.60%

*Knox Out is Reg. TM Pennwalt Corp.
** DIAZINON is Reg. TM Ciba-Geigy Corporation

EPA Reg. No. 499-272 EPA Est. 499-MO-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 ON EYES: Flush eyes with plenty of water. Get medical attention immediately.

NOTE TO PHYSICIAN: Solvent may present aspiration hazard. Gastric lavage may be indicated if product was taken internally. Diazinon 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.

See side panel for additional precautionary statements

NET WEIGHT: 16 oz.

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SIDE PANEL:

Whitmire
PT® 265A KNOX OUT® PLUS
MICROENCAPSULATED DIAZINON

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

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

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Replace cap and discard container in trash, sanitary landfill or by other approved state and local procedures. Do not incinerate or puncture.

SHAKE WELL BEFORE USING

HOW TO USE WHITMIRE CRACK &
CREVICE INJECTION EQUIPMENT:

Do not use as an indoor space spray. See additional directions for outdoor use. Whitmire's PT® 265A Knox Out® Plus is for use indoor, only with injection tube and for injection into cracks and crevices where insects may be hiding, living, and breeding. Place injector tip 1/2" into cracks, crevices, holes and other small openings where insects may be a problem. Release approx. 1 second spray per spot. In serious infestation, if possible, place spots approx. 12" apart. In light infestation or preventive treatment place spots approx. 3 ft. apart. In long running cracks, move the injector tip along the crack while spraying. Move at the rate of 1 linear foot per second in heavy infestations and 3 ft. per second in light infestations. See the additional directions below for effective control of specified insects.

INDOOR PESTS

CRAWLING INSECTS: Cockroaches (waterbugs), crickets, firebrats, spiders. Spray 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. Repeat as necessary.

CARPET BEETLES: Make spray applications on and under edge 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.

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SIDE PANEL (CONT).:

FLEAS AND TICKS: Apply 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 pests may be present. Entire carpets may be treated. Thoroughly vacuum infected area to capture as many adult fleas as possible. Tightly seal vacuum bag and dispose. Applications to most surfaces should be as light as possible, approximately one 16 oz. can per 330 sq. ft. It may be necessary to use a higher volume of spray, approximately one 16 oz. can per 200 sq. ft., 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. Do not use broadcast application in nurseries or any area where infants may sleep. Humans and pets should avoid contact with treated surfaces (rugs, upholstered furniture, etc.), for 4 hours after treatment.

STORED PRODUCT PESTS: 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.

Localized treatment of wood-destroying insects:

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.

Feed and Food Handling Establishments Crack and Crevice and Spot Treatments - Places other than private residences, in which food is held, processed, prepared and/or served.

FOOD AND FEED ESTABLISHMENTS - Apply Whitmire PT® 265A Knox-Out® Plus as either a spot or crack and crevice treatment as directed below.

Food/Feed Areas - Includes receiving, serving, storage (Dry, Cold Frozen, Raw), packaging (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

SPOT TREATMENT-FOOD/FEED AREAS - Limit spot treatments to floor surfaces when pests have been seen or where they are suspected of hiding. Limit individual spot treatments in food/feed areas to an area no large than 20 percent of the floor. Any individual spot treatment shall not exceed 2 sq. feet. Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or food contact surfaces or introducing the material into the air.

CRACK AND CREVICE TREATMENT - Apply Whitmire PT® 265A Knox-Out® Plus spray in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide. Includes expansion joints, spaces between equipment and floors, and openings leading to voids and hollow spaces in walls, equipment legs and bases. Do not use this product in conduits, motor housings, and electrical switch boxes.

APPLICATION OF THIS PRODUCT IN THE FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE (AND SPOT) TREATMENT ARE NOT PERMITTED.

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SIDE PANEL (cont.):

NON-FOOD AREAS - Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after canning or bottling).

NON-FOOD AREAS - SPOT TREATMENT - As a spot treatment apply Whitmire PT® 265A Knox-Out® Plus as a coarse low pressure fan spray to floor surface areas around water pipes, beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar areas where cockroaches, ants, spiders, and silverfish hide.

OUTDOOR PESTS

Spray with the wind to your back. 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.

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.

PRECAUTIONARY STATEMENT 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. Avoid contact with skin, eyes, or clothing. Use only in well-ventilated areas. If clothing is sprayed during application, remove clothing immediately after spraying and launder before wearing again. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result consult a physician.

Wash thoroughly after using and before smoking or eating.

All food processing surfaces and utensils should be covered during treatment or thoroughly washed before use.

Do not allow children or pets to contact treated areas until spray has dried.

Do not apply this pesticide in patient rooms or in any rooms occupied by the elderly or infirm. Do not apply this pesticide when classrooms are in use. Do not apply this pesticide in the immediate area when occupants are present. Use only in a well-ventilated area.

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 equipment washwaters.

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SIDE PANEL (cont.):

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.

This pesticide is highly toxic to birds, fish, and wildlife including waterfowl. Birds and 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 in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25 inch of water immediately after application. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries (except for effluence from treated watercross beds). Do not apply to water that will be used for recreational purpose and human and livestock consumption. 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.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting.

Do not spray directly into any electronic equipment such a radios, televisions, computers, etc.

Do not spray where electrical short circuits might result, such as in wall outlets, conduits, motor, switches, etc.

Whitmire Research Labs, Inc.
St. Louis, MO 63122