

AUG 6 1990

Mr. Lewis Mantels
Nysan Corporation
4309 South Morgan St. 1st
Chicago, IL 60609

Dear Mr. Mantels:

Subject: Label Revision
Dendocide (Wettable Powder Insecticide)
EPA Registration No. 334-545
Your Application Dated January 10, 1990

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable 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. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. On the insert label, OUTDOOR USE, Perimeter Treatment, delete "Cockroaches."
 - b. On the insert label, carton label, and packet label, Practical Treatment, If In Eyes, delete ". . . for 15 minutes" and substitute ". . . with plenty of water."

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

(Check with LARA Office Before Using USDA statement below to customer labels.)
 [Authorized by USDA for use in Federally inspected meat and poultry plants.]

BENDIOCID

MANUFACTURED BY
hysan[®]
 CORPORATION
 MAIN OFFICE CHICAGO, IL 60609
 OTHER LOCATIONS Waco, TX 76712
 Blue Island (Chicago), IL 50406
 Cartersville (Atlanta), GA 30120

EPA Reg. No. 334-545

EPA Est. No. 334-IL-1

WETTABLE POWDER INSECTICIDE

With BENDIOCARB and SYNERGIZED PYRETHRINS

RECOMMENDED FOR USE ONLY BY PEST CONTROL OPERATORS.

INDIVIDUAL PACKETS ARE NOT FOR SALE.
 KEEP PACKETS AND INSERT IN CARTON UNTIL NEEDED.

CONTAINS 8 PACKETS,
 EACH NET WT 1 OZ (28 g)
 TOTAL NET WT 8 OZ (226 g)

Hysan Product Name: **BENDIOCID**

Hysan Product #: **56240-08-X-XX-XXXX**

Disk Volume: 047 (L); Filename: A56240-CARTON; Date Last Revised: 01-09-90
 Product File Name at EPA: Bendiocide (Wettable Powder Insecticide)

HYSAN LARA APPROVAL - by: _____ Date: _____
 HYSAN R&D APPROVAL - by: _____ Date: _____
 HYSAN SALES APPROVAL - by: _____ Date: _____

ACTIVE INGREDIENTS:

Bendiocarb [2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate]†	29.45%
Pyrethrins	3.06%
Piperonyl butoxide, technical*	7.66%
INERT INGREDIENTS	59.83%
TOTAL	100.00%

*Equivalent to 6.128% (Butylcarbityl) (6-propylpiperonyl) ether and 1.532% Related compounds.

†Protected by U.S. Patent No. 3,736,338.

**KEEP OUT OF REACH OF CHILDREN.
 WARNING**

SEE ADDITIONAL PRECAUTIONARY AND PRACTICAL TREATMENT (FIRST AID) STATEMENTS ELSEWHERE ON CARTON, PACKET, AND CARTON INSERT.

SEE COMPLETE DIRECTIONS FOR USE ON THE CARTON INSERT.

Please see the back of the label for the stamp

DIRECTIONS FOR USE

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

GENERAL: This product is intended for dilution with water according to directions, and application with a power or hand-operated sprayer.

SEE THE COMPLETE DIRECTIONS FOR USE ON THE CARTON INSERT SHEET.

STORAGE AND DISPOSAL

GENERAL: Do not contaminate other materials (including water, food, and feed) during transport, use, storage, and disposal. If damaged, leaking, or spilled, sweep up and wipe any waste. Then dispose of as below.

STORAGE: Keep packets and insert in closed carton when not in use. Keep carton in a cool, dry, locked area inaccessible to children and away from sources of ignition, heat, degradation, and contamination (including



1. Start with a clean hand or power sprayer. Make only one insecticide for one day's use. Following directions on carton insert, fill spray container with the desired volume of water, add the proper amount of powder, and

2. Mix well to assure proper suspension of the wettable powder. Either invert container several times, or agitate thoroughly in some other manner.

3. Spray according to directions on carton insert. If spraying is interrupted for a time, re-mix contents to re-suspend actives. Do not allow insecticide mixture to stand overnight. Clean sprayer thoroughly after use.

PRECAUTIONS:
 HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS.
 WARNING: Harmful if swallowed. Irritates eyes, nose, and throat. Wash hands and face thoroughly before eating, drinking, or smoking. If you feel slight dizziness, see a doctor.
 Do not permit children to play with or use spray has dried.
 When applying to surfaces, avoid contact with children, pets, and livestock.
 When applying to food products, do not use until food is completely dry.
 Do not use on food or feed crops.
 Do not apply to food products, dishes, faces, dishes, powder or spray.
 With proper use, deposit. However, a visible deposit may be seen.
 Because of a possible allergic reaction, do not apply to children or switch if a need to treat.

PRECAUTIONS:
 IF SWALLOWED: Give 1 or 2 large glasses of water. Do not induce vomiting or convulsing.
 IF IN EYES: Flush eyes for 15 minutes.
 IF ON SKIN: Wash with soap and water. If necessary, seek medical attention.
 IF INHALED: Get fresh air immediately.
 NOTE TO PHYSICIANS: Insecticide in solution (aqueous) necessary for effective. Morphine 10 to 20 mg.

This product is directly to water no other.

Reduce panels below to 92%. This gives approximately 7 panel type and 16% area column width

WETTABLE POWDER INSECTICIDE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with eyes, skin, and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water. Do not rub eyes or mouth with hands. Avoid breathing and working in spray mist or dust.

If you feel sick in any way, STOP WORK and get help right away. See First Aid (Practical Treatment) section below.

Do not use on, or contaminate, fruit, vegetables, or other food or feed crops. Do not store near food or feed products.

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Give 1 or 2 large glasses of water, and induce vomiting by touching finger to back of throat, or by administering Syrup of Ipecac, USP (Dose: Adults- 20 mL; Children- 10 mL). Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

IF IN EYES: Flush eyes immediately with water, remove any contact lenses, and hold eyelids open and continue flushing eyes for 15 minutes. Get immediate medical attention.

IF ON SKIN: Remove any contaminated clothing, shoes, jewelry, etc (wash item before reuse), and wash affected skin with soap and warm water for 15 minutes. Get medical attention if any illness continues (or develops later).

IF INHALED: Keep victim strictly at rest and transfer to hospital immediately to get medical attention.

NOTE TO PHYSICIAN: Contains anticholinesterase carbamate insecticide. In cases of overexposure, give 2 mg Atropine sulfate (equivalent to 1/30 grain adult dose), and repeat as necessary until fully atropinized. Pralidoxime (P2S) is ineffective. Morphine is contraindicated. Control convulsions with 10 to 20 mg of Diazepam, administered intravenously.

DIRECTIONS FOR USE

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

GENERAL: This product is intended for dilution with water according to directions, and application with a power or hand-operated sprayer.

• SEE COMPLETE DIRECTIONS FOR USE ON THE CARTON INSERT. •

STORAGE AND DISPOSAL

GENERAL: Do not contaminate other materials, including water, food or feed during transport, use, storage, or disposal. If damaged, leaking, or spilled, sweep up and wrap waste, then dispose of as below.

STORAGE: Keep packets and insert in closed carton when not in use. Keep carton in a cool, dry, locked area inaccessible to children and away from flames, sparks, sunlight, other chemicals, and other sources of ignition, heat, degradation, or contamination.

DISPOSAL: Do not reuse empty carton or packets. Securely wrap in several layers of newspaper and discard in trash.

1188

Made in U.S.A.

56240

Hysan Product Name: **BENDIOCID**

Hysan Product # **56240-08-X-XX-XXXXX**

Disk Volume: 044 (L); Filename: A56240-PACKET; Date Last Revised: 11-07-89

Product File Name at EPA: Bendiocide (Wettable Powder Insecticide)

HYSAN LARA APPROVAL - by: _____ : Date: _____

HYSAN R&D APPROVAL - by: _____ : Date: _____

HYSAN SALES APPROVAL - by: _____ : Date: _____

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Pantry Pests (Drugstore Beetles, Flour Beetles, Saw-Toothed Grain Weevils, Merchant, and Saw-Toothed), Lesser Grain Borers, Rice Weevils, Spider Beetles, and Tobacco Moths]: Treat exposed stages. Mix one packet of powder per gal of water. Remove all foodstuffs, shelving paper, and utensils from area to be treated. Apply insecticide to cupboards and shelves, and allow to dry. Cover with shelving paper prior to replacement of food and utensils. Infested foodstuffs should be destroyed.

NOTE: Where it is desired to obtain a longer period of control of all of the above pests in areas where access is difficult (or where deposits will not be quickly removed by cleaning), apply product at a rate of two packets per gal of water. This rate may also be used to quickly reduce heavy infestations of cockroaches.

Webbing Clothes Moths: Mix two packets of powder per gal of water and apply spray as spot application in closets and other storage areas where Webbing Clothes Moths are found. This is an adjunct treatment, and will not control moth larvae already on clothes. Do not apply insecticide to clothing.

In Food Handling Establishments
(Places other than private residences in which food is held, processed, prepared or served.)

Food Areas: Applications limited to crack and crevice or spot treatments only. For spot treatments, no individual spot will exceed two (2) square feet (1/5 m²).

"Food areas" include areas for receiving, storage, packing (canning, bottling, wrapping, and boxing), preparing, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, and syrups). Serving areas are also considered as food areas when food is exposed and the facility is in operation.

Prepare a spray solution as directed in previous sections for specific insects to be killed, and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pinstream of insecticide in points between different elements of construction, between equipment and floors, in openings leading to voids and hollow spaces in walls, in equipment legs and bases where Ants, Cockroaches, Crickets, Firebrats, Silverfish, and Spiders hide. Spot treatment using a coarse spray may also be made to areas where any of the above pests hide or inhabit, such as behind baseboards; in storage areas and closets; around water pipes, doors, and windows; behind and under refrigerators;

cabinets, sinks, stoves, and other equipment; and on the underside of shelves, drawers, and similar areas.

Make applications using low pressure to avoid possible atomization or splashing of the spray. Avoid contamination of food or food processing surfaces.

Non-Food Areas: This insecticide may be used as a crack and crevice treatment or as a spot application in non-food areas. All areas where insects hide (or through which insects may enter) should be treated.

OUTDOOR USE

Perimeter Treatment: As a residual spray for control of Ants, Bees, Brown Dog Ticks, Centipedes, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Ground Beetles, Millipedes, Pill Bugs, Scorpions, Silverfish, Sowbugs, Spiders (including Black Widow Spiders), and Wasps. Mix one packet (1 oz or 28 g) of powder per gal (3.78 L) of water and apply as a residual spray (or with a paint brush) to surfaces of buildings, porches, screens, window frames, eaves, patios, garages, and other areas where these pests congregate.

To help prevent infestations of buildings by the above pests, treat a band of soil 6 to 10 ft (2 to 3 m) wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 ft (1 m) where pests are active and may find entrance. Apply as a coarse spray to thoroughly and uniformly wet the band area.

Yard Treatment: For the control of nuisance pest populations of Ants, Crickets, Ground Beetles, Pill Bugs, Spiders, and Sowbugs, mix one packet of powder in five gal of water and apply as a coarse spray to thoroughly wet the treated areas.

STORAGE AND DISPOSAL

General: Do not contaminate other materials, including water, food, or feed during transport, use, storage, or disposal. If damaged, leaking, or spilled, sweep up and wrap waste, then dispose of as below.

Storage: Keep packets and insert in closed carton when not in use. Keep carton in a cool, dry, locked area inaccessible to children and away from flames, sparks, sunlight, other chemicals, and other sources of ignition, heat, degradation, or contamination.

Disposal: Do not reuse empty carton or packets. Securely wrap in several layers of newspaper and discard in trash.

0190 Made in U.S.A. 56240

THIS CARTON INSERT CONTAINS THE COMPLETE INSTRUCTIONS FOR USE. PLEASE READ IT CAREFULLY, AND DO NOT DISCARD IT!

(Check with LARA Office before adding USDA statement)
[Authorized by USDA for use in Federally inspected establishments]

BENDIOL
MANUFACTURED BY
hysan CORPORATION
MAIN OFFICE CHICAGO, IL 60609
EPA Reg. No. 334-545

WETTABLE POWDER
With BENDIOCARB and SYNERGIST

- A specially formulated water-dispersible powder
- Controls Cockroaches resistant to organophosphates
- Can be applied with either power or hand sprayer
- Gives both knockdown and residual control
- Can be used for spot or crack & crevice treatment
- Will not damage surfaces not harmful to humans

NOTE: THE 1 OZ (28 g) PACKETS DO NOT CONTAIN BENDIOL AND ARE THUS NOT LEGAL FOR SALE IN THE UNITED STATES.

RECOMMENDED FOR USE ONLY BY PEST CONTROL PROFESSIONALS

ACTIVE INGREDIENTS:

Bendiocarb [2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate]†	29.45%
Pyrethrins	3.06%
Piperonyl butoxide, technical*	7.66%
INERT INGREDIENTS	59.83%
TOTAL	100.00%

*Equivalent to 6.128% (Butylcarbityl) (6-propylpiperonyl) ether and 1.532% Related compounds.
†Protected by U.S. Patent No. 3,736,338

PRECAUCION AL USUARIO: Si usted no lee los ingles, no use este producto hasta que el etiqueta haya sido explicado ampliamente.

(TRANSLATION - TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

KEEP OUT OF REACH OF CHILDREN. WARNING

PRACTICAL TREATMENT (FIRST AID)
IF SWALLOWED: Call a physician or Poison Control Center. Give 1 or 2 large glassesful of water.

Hysan Product Name **BENDIOL**
Hysan Product # **56240-08-X-XX-XXXX**
Disk Volume **047 (L)**, Filename **A56240-INSERT**, Date Last Revised **01-09-90**
Product File Name at EPA: Bendiocarb (Wettable Powder Insecticide)

HYSAN LARA APPROVAL by _____ Date _____
 HYSAN R&D APPROVAL by _____ Date _____
 HYSAN SALES APPROVAL by _____ Date _____

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GENERAL INFORMATION

This product is intended for dilution with water according to directions, and application with a power or hand-operated sprayer. For use by servicepersons for residual pest control in and on buildings and structures, and their immediate surroundings, and on modes of transport. Permitted areas of use include, but are not limited to stores, warehouses, industrial buildings, houses, apartment buildings, museums, greenhouses, laboratories, schools, nursing homes, hospitals, restaurants, and hotels; food manufacturing, processing, and servicing establishments; and on vessels, aircraft, rail cars, buses, trucks, and trailers.

Its specially formulated wettable powder gives knockdown and residual control of those pests listed. It is especially suited for control of Cockroaches, including those resistant to organochlorine pesticides.

It should not damage paint, plastics, fabrics, or other surfaces where water alone causes no damage.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with eyes, skin, and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water. Do not rub eyes or mouth with hands. Avoid breathing and working in spray mist or dust. Do not apply to humans, or to their clothing or bedding.

Wash hands and exposed skin after spraying or handling, and before eating, drinking, or smoking. Wash all contaminated clothing thoroughly before reuse.

If you feel sick in any way, STOP WORK and get help right away. See First Aid (Practical Treatment) section.

Do not permit children or pets to contact treated surfaces until spray has dried completely.

When applying in outdoor sites, keep all unprotected persons, children, and animals away from treated area, or from where there is danger of drift.

When applying to indoor sites, apply only when people and pets are not present. Treated areas must be adequately ventilated after treatment. Do not allow people or pets to return to treated areas until vapors have dispersed and spray has dried completely.

Do not use on, or contaminate, fruits, vegetables, or other food or feed crops. Do not store near or contaminate feed or food products, and do not contaminate food preparation surfaces, dishes, kitchen utensils, or food containers with either powder or spray.

With proper spraying, this product does not result in a visible deposit. However, if unevenly applied, or sprayed to run-off, a visible deposit may occur on some dark surfaces.

Because of a possible shock hazard with water-based liquids, do not apply this product in conduits, motor housings, junction or switch boxes, or other electrical equipment. If there is a need to treat such areas, use only oil-based sprays.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

Active Ingredients at standard dilutions: One (1 oz or 28 g) packet mixed in 1 gal (3.78 L) of water yields 0.25% Bendiocarb, 0.026% Pyrethrins, and 0.065% Piperonyl butoxide. Two packets in 1 gal water yield 0.50% Bendiocarb, 0.052% Pyrethrins, and 0.13% Piperonyl butoxide. See specific dilution recommended for each allowed use.

GENERAL INSTRUCTIONS

Thoroughly wash out both sprayer and strainer with water and detergent before using them with this product. Do not use strainers finer than 50 mesh size. When using hand sprayers, fill with the desired volume of water, add the proper amount of powder, close sprayer tightly, and invert it several times before use to insure proper suspension of the wettable particles. If mixture sits for any length of time, remix by inverting sprayer several times again just before use. Use up spray mixture as soon as possible; do not allow it to stand overnight.

Applications should be made to hiding places, runways, and other places where pests are found. Pay particular attention to cracks and crevices; around water and sewer pipes; under and behind cabinets, refrigerators, and sinks; around window and door frames; along baseboards; and in attics and crawl spaces.

INDOOR USE

Ants, Cockroaches (including both non-resistant and organochlorine-resistant strains), **Crickets, Firebrats, and Silverfish:** Mix one (1 oz or 28 g) packet of powder per gal (3.78 L) of water, and apply as a coarse, low-pressure spot (or crack and crevice) spray to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks and stoves, and the underside of shelves, drawers and similar areas. For ants, apply to ant trails, around doors and windows, or other places where ants enter premises.

Carpenter Ants: Mix one packet of powder per gallon of water and apply to ant trails, around doors and windows, and other places where ants enter premises. Where possible, apply liquid directly to ant nest or infested wood.

Termites: Mix one packet of powder per gal of water and apply to voids or channels in damaged wooden members of a structure, or to cracks, spaces, or bearing joints between wooden members of a structure (or between such members and the foundations), in locations vulnerable to termite attack, such as crawl spaces. Drilling may be necessary prior to applying insecticide to voids, cracks, or joint spaces in vulnerable locations, and to channeled sections of wood, but it must be recognized that such drilling and treating of a timber in place may not result in complete coverage of infested and vulnerable voids or galleries. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

The purpose of such applications of insecticide is to kill workers or winged reproductive forms which may be present in the treated channels and spaces at the time of treatment, and to impart a temporary resistance to termite attack at these places which may aid, in some part, in the prevention of immediate reinfestation by termites. Such applications are not a substitute for mechanical alteration, soil treatment, or foundation treatment, but merely a supplement, particularly where use of other insecticides may pose an odor problem.

Do not apply solution until location of heat or air conditioning ducts, vents, water and sewer lines and electrical conduits are known and identified.

When located, applications may be made around these structures. However caution must be taken to avoid contamination of these structural elements and airways.

Brown Dog Ticks and Fleas in Buildings: Mix one packet of powder per gal of water and thoroughly apply spray to infested areas such as pet bed and resting quarters, nearby cracks and crevices, rugs and floor coverings (and under their edges) between and under cushions of upholstered furniture, and other areas where these pests may be present. Entire rugs may be treated. Apply the spray evenly (using approximately 1 gal/800 ft or 1 L/20 m²) to rugs and furniture. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet areas. Additionally, insure that pets are treated with an EPA-approved product registered for such use. Do not treat pets or their bedding with this product. Do not permit children or pets near treated surfaces until spray has dried completely.

Spiders (Including Black Widow Spiders): Mix one packet of powder per gal of water and apply to infested baseboards, window and door frames, corners, pipes, storage localities, attics, and under eaves. Make spot applications to other areas over which these pests may crawl.

Bees and Wasps: Mix one packet of powder per gal of water and thoroughly spray nest and entrance, and surrounding areas where insect alight. It is generally advisable to spray the nest in the evening when the insects are less active and have returned to the nest. For best results check nest carefully for complete kill one or two days after spraying, then remove and destroy nest to prevent emergence of any newly-hatched insects.

Centipedes, Earwigs, Ground Beetles, Millipedes, Pill Bugs, Scorpions, and Sawbugs: Mix one packet of powder per gal of water and apply around doors and windows, and to other places where these pests may enter premises. Spray baseboards, storage areas, and other locations where these pests are found.

Carpet Beetles (Black, Furniture, and Varied): Mix one packet of powder per gal of water. Apply as spot applications on and under edges of floor coverings, under rugs and furniture, and in closets or other localities where these insects are found. Entire rugs may be treated.