

PM 16 10182-60

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30 AUG 1988

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Ms. Diane L. Ierley
ICI Americas, Inc.
Agricultural Products
Concord Pike & New Murphy Road
Wilmington, DE 19897

Dear Ms. Ierley:

Subject: Havoc Rodenticide Bait Pack (Mini-Pellets)
EPA Registration No. 10182-60
Your Application Dated July 15, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comment listed below.

- Delete "two bait packs may be needed at points of high mouse activity" under applications for house mice.

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.

Submit efficacy data showing that each distinct new formulation is acceptable to target rodents. Protocols 1.203 and 1.204 may be used for these tests. Tests must be run for each different bait form (meal, block, large pellet, small pellet) for which you intend to change dyes. For each test, indicate the specific bait (composition and product form) used and identify, by Registration Number, all ICI products which contain the specific bait tested. The test results are due 9 months from the date of this letter.

Placepack penetration studies will not be required if the acceptance of each new formulation used in placepacks is similar to the acceptance of the corresponding old formulation.

53265:I:Palmeater:CBI-11:KENCO:08/23/88:10/20/88:de:ek:de:ek:rw

CONCURRENCES

| SYMBOL | SURNAME | DATE | | | | | |
|--------|---------|------|--|--|--|--|--|
| | | | | | | | |

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The Confidential Statement of Formula dated July 15, 1988 is acceptable.

Sincerely yours,



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosures

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ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. This product can pose a secondary hazard to birds of prey and mammals. Keep out of any body of water.

STORAGE AND DISPOSAL

Refer to label on container for full storage and disposal directions.

DIRECTIONS FOR USE

Refer to label on container for full use directions.



ICI Americas Inc.

Wilmington, Delaware 19897

EPA Reg No 10182-60

EPA Est No 523-IL-1

Net Contents 50 gms (1.76 oz)

Havoc™

RODENTICIDE BAIT PACK (MINI-PELLETS)
For Efficient Control of Commercial Mice and Rats

Kills warfarin-resistant Norway Rats and house mice.

Rodents may consume a lethal dose in one feeding with first dead rodents appearing four or five days after treatment begins.

Active Ingredient:

Brodifacoum-

3-[3-(4'-bromo-[1,1'-biphenyl]-4-yl)-
1,2,3,4-tetrahydro-1-naphthyl]-4-
hydroxy-2H-1-benzopyran-2-one

0.0085%

Inert Ingredients

99.9915%

Total 100.000%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

May be Harmful or Fatal if Swallowed. Read Additional
Precautionary Statements on Back Panel.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

CAUTION

MAY BE HARMFUL IF SWALLOWED. KEEP FROM HUMANS, DOMESTIC ANIMALS AND PETS. WASH HANDS AFTER HANDLING BAIT.

IF BAIT IS EATEN BY HUMAN, CALL PHYSICIAN AT ONCE. For emergency assistance, call Medical Emergency Line.

IF BAIT IS EATEN BY ANIMAL, CALL PHYSICIAN AT ONCE. For 24-hour Emergency Assistance, call ICI Americas Medical Emergency Center - 1-800-327-3333.

NOTE TO PHYSICIAN AND VETERINARIAN

This product may reduce the efficacy of the blood and thinning if this occurs, and oral administration combined with blood thinning is indicated as in the case caused by overdoses of Coumatin Vitamin K1 doses of 10 to 20 mg in should be given and necessary (based on prothrombin times).

BEST AVAILABLE COPY

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HAVOC™

IDENTIFICANT BAIT PACK (BOMB-PELLETS)

For Effective Control of Commercial Rats and Mice

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

MAY BE HARMFUL OR FATAL IF SWALLOWED. KEEP AWAY FROM HUMANS, DOMESTIC ANIMALS, AND PETS. WASH HANDS AFTER HANDLING BAIT.

IF BAIT IS EATEN BY HUMANS, CALL A PHYSICIAN AT ONCE. For 24-hour emergency assistance call ICI Americas 1-800-327-8633.

IF BAIT IS EATEN BY ANIMALS OR PETS, For 24-hour emergency assistance call ICI Americas 1-800-327-8633. In case of significant spill, call CHEMTREC 800/424-9300. Medical Emergency Information-1-800-327-8633.

NOTE TO PHYSICIAN OR VETERINARIAN

This product may reduce the clotting ability of the blood and cause hemorrhaging. If this occurs, intramuscular and oral administration of vitamin K₁ combined with blood transfusions are indicated as in the case of hemorrhage caused by overdosage of Warfarin sodium. Vitamin K₁ is present at doses of 10 to 20 mg (not mg/kg) and should be given and repeated as necessary (based on monitoring of prothrombin time).

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. This product can pose a secondary hazard to birds of prey and mammals. Keep out of any body of water.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller and Buyer and User assumes the risk of any such use. **SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.**

With water-resistant barrier film and loose wire. Baitballs may require a bait ball to see feeding with first feed outside opening hour or two days after treatment begins.

As the Ingredient:

Struthionin

3-3'-4'-Hexamethyl-1,7-dithiopyr-4-yl-

1,2,4-dithiazolo-1-methylpyr-4-

hydroxy-7H-1-benzopyr-2-one

Net Ingredient

0.000%

99.999%

Net 100.000%

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

May Be Harmful or Fatal if Swallowed
Read Additional Precautionary Statements
on Side Panel



ICI Americas Inc.

Wilmington, Delaware 19897

EPA Reg. No. 10102-00

EPA Est. No. 523-R-1

Net Contents 650 gm (1 7/8 oz) bait packs

Batch Number:

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. This product is prohibited to be used in empty containers. **DISPOSAL:** Bait that cannot be used according to label instructions must be disposed of as "pesticide" in accordance with Federal, State, or local procedures. Dispose of bait and wire in a sanitary landfill or by incineration if allowed by State and local authorities.

DIRECTIONS FOR USE

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

USE RESTRICTIONS: For control of Norway Rats, Roof rats and house mice in and around homes, industrial, commercial, institutional and public buildings. **HAVOC** may also be used in and around personal vehicles (cars, boats, campers) and related parts or terminal buildings. Do not use in areas where this product must be placed in tamper-proof bait stations where access is not accessible to children, pets, domestic animals or wildlife. Do not place bait in areas where there is a possibility of contact with lead or surfaces that come in direct contact with lead.

SELECTION OF TREATMENT AREAS: Determine areas where rats and mice will most likely find and consume the bait. Generally, these areas are along walls, by ground openings, in or beside burrows, in basements and concealed places, between floors and walls, or in locations where rodents or their signs have been observed. Remove as much lead as possible.

APPLICATION DIRECTIONS

Norway and Roof Rats:

Apply 2 to 8 bait packs (usually at intervals of 15 to 30 feet) per placement. Maintain an uninterrupted supply of fresh bait for 10 days or until signs of rat activity cease.

House Mice:

Apply 1 bait pack at intervals of 8 to 12 feet per placement. 2 bait packs may be needed at points of very high mouse activity. Maintain an uninterrupted supply of fresh bait for 15 days or until signs of mouse activity cease.

Rats & Mice:

Replace contaminated or soiled bait immediately. Collect and dispose of all dead animals and unconsumed bait according to "Disposal" paragraph. To prevent reinfestation eliminate food water and harborage as much as possible. If reinfestation does occur repeat treatment where a continuous source of infestation is present. Establish permanent bait stations and replenish bait as needed.

ACCEPTED
WITH COMMENTS
in EPA Letter Dated:

AUG 30 1988

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
amended for the pesticide
registered under FIFRA Reg. No.

10102-00

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