

100-1056

3/29/2010

1 of 11



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
100-1056

Date of Issuance:
MAR 29 2010

NOTICE OF PESTICIDE:
Registration
[x] Reregistration
(under FIFRA, as amended)

Name of Pesticide Product:
Havoc® Rodenticide Bait Pack
Pellets With Bitrex®

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419

Decision No. 320387
5-871551 676
1275

Attention: Mr. Thomas Parshley

Note: Changes in labeling 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 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. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

Based on your response to the Rodenticide Cluster Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you submit one (1) copy of your final printed labeling, with the changes below, before you release the product for shipment:

Signature of Approving Official:

Kable Bo Davis
Acting Product Manager (07)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Date:

MAR 29 2010

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1. On the Front Panel, change "Rodents may consume a lethal dose in one feeding with first dead rodents appearing four or five days after treatment begins." to:

Norway rats and house mice may consume a lethal dose in one night's feeding with first dead rodents appearing four or five days after feeding begins.

2. Wherever it occurs on your labeling, change "NOT FOR RESALE" to "INDIVIDUAL SALE PROHIBITED BY LAW".

3. Revise your "PRECAUTIONARY STATEMENTS" as follows:

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed or absorbed through the skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin, or on clothing.

All handlers (including applicators) must wear long-sleeve shirt, long pants, shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

**User Safety Requirements**

Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing.

<b>FIRST AID</b>	
<b>HAVE LABEL WHEN OBTAINING TREATMENT ADVICE</b>	
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center, doctor, or <b>HOT LINE NUMBER</b> immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center, doctor, or 1-800-xxx-xxxx immediately for treatment advice.</li> </ul>

**HOT LINE NUMBER**

For 24-Hour Medical Emergency Assistance (Human or Animal)  
Or Chemical Emergency Assistance (Spill, leak, Fire or Accident)  
Call  
1-800-888-8372

**NOTE TO PHYSICIAN**

If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K<sub>1</sub> intramuscularly or orally. Vitamin K<sub>1</sub> is antidotal at doses of 10-20mg (not mg/kg). Repeat as necessary based on monitoring of prothrombin times.

**TREATMENT FOR PET POISONING**

If animal eats bait, call veterinarian or **HOT LINE NUMBER** at once.

**NOTE TO VETERINARIAN**

**Anticoagulant Brodifacoum:** For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K<sub>1</sub> at doses of 2-5 mg/kg. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

**Environmental Hazards**

This product is extremely toxic to mammals and birds. Dogs, cats and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

4. Revise the "**DIRECTIONS FOR USE**" as follows:

**DIRECTIONS FOR USE**

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

**READ THIS LABEL:** Read this entire label and follow all use directions and use precautions. Use only for the sites, pests, and application methods described on this label.

**Important: Do not expose children, pets, or other nontarget animals to rodenticides. To reduce exposure:**

- Store product ... prone to vandalism.
- Dispose of product container, and unused, spoiled, and unconsumed bait as specified on this label.

## USE RESTRICTIONS

For control of Norway rats, roof rats and house mice in and around agricultural buildings. **Do not apply further than 50 feet from buildings.** Do not use in homes or other human residences. Do not use in sewers. Do not place near or inside ventilation duct openings. Do not contaminate water, food, feedstuffs, food or feed handling equipment, or milk or meat handling equipment or surfaces that come into direct contact with food. When used in USDA inspected facilities, this product must be applied in tamper-resistant bait stations. Do not broadcast bait. Do not use in sewers.

Do not sell this product in individual containers holding less than 8 pounds of bait.

## SELECTION OF TREATMENT AREAS

Determine areas ... as possible.

## APPLICATIONS DIRECTIONS

### Norway and Roof Rats

Apply ... cease.

### House Mice

Apply ... activity cease.

### Follow-Up

**Replace .. as needed..**

5. Revise your "Pesticide Storage" as follows:

**Pesticide Storage:** Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

[**Note:** As stated in 40CFR156.140(a)(4), a batch code must be included on the label or package for container and containment for nonrefillables.]

6. Should you wish to add/retain a reference to the company's website on your label, please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E).

As stated under the Terms and Conditions of Sale and Distribution on page 35 of the Agency's revised May 28, 2008 "Risk Mitigation Decision for Ten Rodenticides":

- a. Product is prohibited for sale in stores oriented towards residential consumers: Grocery, Drug, Hardware and Home Improvement. It is acceptable for sale in stores oriented toward agricultural consumers: Farm, Agricultural, Tractor Stores.
- b. Product may not be sold in packaging that holds less than 8 pounds of bait.

The acceptable Confidential Statement of Formula (CSF) for this product is dated August 14, 2001. All other versions are obsolete.

### **Existing Stocks Provisions**

- The registrant may not distribute or sell existing stocks of this product after June 4, 2011 unless they conform to the terms and conditions of registration as amended today.
- Any person other than the registrant may sell and distribute existing stocks of this product with the previously approved label until such stocks are exhausted.
- Any person may use existing stocks of this product with the previously approved label until such stocks are exhausted.

With the above revisions, this product will be in full compliance with the Agency's revised May 28, 2008 "Risk Mitigation Decision for Ten Rodenticides".

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. If you have any questions, please contact Dan Peacock by phone (703-305-5407), or E-Mail (peacock.dan@epa.gov).

Enclosures:   1. Stamped Label  
                  2. Minimum Type Sizes for Final Printed Label

Dan Peacock, Flash Drive, 16gb, E:\4G Dan\Doc\Word\Brodifacoum\Re-Reg\100-1056\Notice of Re-Reg, 100-1056, 3-24-2010.final.doc

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(Master label)  
(container and 50 gm bait pack)

**Havoc® Rodenticide Bait Pack Pellets With Bitrex®  
For Use In and Around Agricultural Buildings Only**

**NOT FOR RESALE** (bait pack)

ACCEPTED  
With COMMENTS  
In EPA Letter Dated: **MAR 29 2010**

**Kills Rats and Mice**

Second Generation Anticoagulant

Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

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.

pesticide Registered under EPA Reg. No:  
100-1056

Active Ingredient:

Brodifacoum

3-[3-(4'-bromo-[1,1'-biphenyl]-4-yl)-1,2,3,4-  
tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one ..... 0.005%

Other Ingredients: ..... 99.995%

Total: ..... 100.000%

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use on label.

Distribution to and sales in "consumer" stores including grocery stores, drug  
stores, hardware stores, club stores is prohibited.

EPA Reg. No. 100-1056  
EPA Est. XXXX  
Product of xxxxx  
Formulated in the USA  
SCP 1056A-M(draft mitigation)

1.76 ounces (50 grams) 3/16" pellets (bait pack)

Net Weight

8 pounds, 13 ounces (80 x 1.76 ounces /50 grams bait pack) – 3/16" pellets (container  
for bait packs)

Net Weight

\_\_\_\_\_ pounds (\_\_\_\_ x 1.76 ounces /50 grams bait packs) 3/16" pellets (8 lb container  
for bait packs)

Net Weight

Handwritten marks and scribbles at the bottom right of the page.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

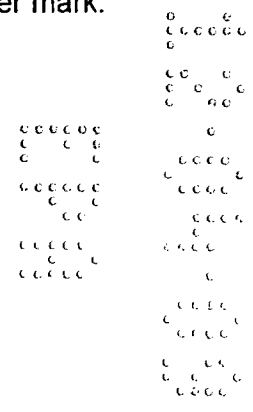
May be harmful or fatal if swallowed. Keep away from humans, domestic animals and pets. Wash hands after handling bait.

**IF BAIT IS EATEN BY NON-TARGET ANIMALS OR PETS, CALL A VETERINARIAN AT ONCE.**

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center, doctor, or <b>HOT LINE NUMBER</b> immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>HOT LINE NUMBER</b> For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call <b>1-800-888-8372</b>	
<b>NOTE TO PHYSICIAN OR VETERINARIAN</b>	
This product may reduce the clotting ability of the blood and cause hemorrhaging. If poisoning occurs, intramuscular and oral administration of vitamin K <sub>1</sub> are indicated, as in poisoning from overdose of bishydroxy coumarin. For human cases, vitamin K <sub>1</sub> is antidotal at doses of 10-20 mg ( <b>not</b> mg/kg). For animal cases, vitamin K <sub>1</sub> is antidotal at 2-5 mg/kg. Repeated doses may need to be given up to 2 weeks (based on monitoring of prothrombin times). In severe cases, blood transfusions may be necessary.	

**Environmental Hazards**

This product is toxic to fish, birds and wildlife. This product can pose a secondary hazard to birds of prey and mammals. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.



**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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### DIRECTIONS FOR USE

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

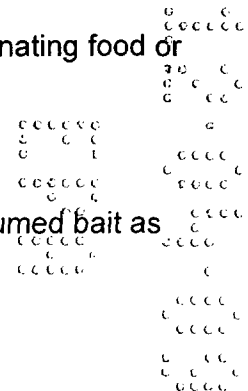
**READ THIS LABEL:** Read this entire label and follow all use directions and use precautions.

For control of Norway rats, roof rats, and house mice in and around agricultural buildings.

**IMPORTANT:** Do not expose children, pets, or other nontarget animals to rodenticides.

#### Use Restrictions

- Do not use in homes or other human residences
- Store product not in use in a location out of reach of children and pets.
- Apply bait in locations out of reach of children, pets, domestic animals and nontarget wildlife, or in tamper-resistant bait stations. All above ground, outdoors applications must be in tamper resistant bait stations. These stations must be resistant to destruction by dogs and by children under 6 years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from stations when they are lifted, units must be secured or otherwise immobilized. Even stronger bait stations are needed in areas open to hooved livestock, raccoons, bears, or other potentially destructive animals, or in areas prone to vandalism.
- Do not apply further than 50 feet from agricultural buildings.
- Do not sell this product in individual containers containing less than 8 pounds of bait.
- When used in USDA inspected facilities, this product must be applied in tamper-resistant bait stations.
- Do not use in sewers.
- Do not place bait in areas where there is a possibility of contaminating food or surface that comes in direct contact with food.
- Do not broadcast bait.
- Dispose of product container, and unused, spoiled, and unconsumed bait as



specified on this label.

**SELECTION OF TREATMENT AREAS**

Determine areas where rats and/or mice will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been observed. Remove as much food as possible.

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**APPLICATION DIRECTIONS**

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**Norway and Roof Rats**

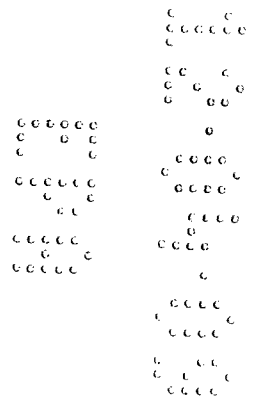
Apply 2-8 bait packs (usually at intervals of 15-30 ft.) per placement. Maintain an uninterrupted supply of fresh bait for 10 days or until signs of rat activity cease. Two place packs contain enough bait (100 g) to kill 1-3 rats.

**House Mice**

Apply 1 bait pack per placement. Space placements at intervals of 8-12 ft. Two 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 and Mice**

Replace contaminated or spoiled bait immediately. Collect and dispose of all dead rodents and left over bait properly. To prevent reinfestation, limit source of rodent food, water, and harborage as much as possible. If reinfestation does occur, repeat treatment. Where a continuous source of infestation is present, maintain permanent bait stations and replenish with census or toxic bait as needed.



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**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage**

Store only in original container in dry place inaccessible to children and pets.

**Pesticide Disposal**

Dispose of wastes resulting from the use of this product at an approved waste disposal facility or call your local solid waste agency for alternative disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Handling** (*container, bait pack*)

Nonrefillable container. Do not reuse or refill this container. When completely empty, offer for recycling if available, or dispose of empty container in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Havoc® and the Syngenta logo are trademarks of a Syngenta Group Company. Bitrex® is a trademark of Macfarlan Smith Ltd., Edinburgh, Scotland.

(optional)

For non-emergency (e.g. current product information) call Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

SCP 1056A-M(draft mitigation)

HAV 1056A-M(draft mitigation) clean lg-11-30-09 000100-01056.20091202.mitigation.pdf

