

100-973

08-27-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

AUG 27 2009

Mr. Pat Dinnen
Syngenta Crop Protection, Inc.
P. O. Box 18300
Greensboro, NC 27419-8300

Subject: Revision of Storage and Disposal Statements

Dear Mr. Dinnen:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (s) (PRN) 2007-4 dated August 10/11 2009 for:

EPA Registration Number 100-1208
EPA Registration Number 100-1184
EPA Registration Number 100-973 ✓

Cruise® Extreme Insecticide and Fungicide Prepack
Cruiser® XL
Helix™


The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and find that the label change(s) requested falls within the scope of PRN 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, call me at 703 305-5409 or electronically at daniel.dani@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Dani Daniel".

Dani Daniel
Registration Division (7505P)
Insecticide/Rodenticide Branch

| | | | | |
|---|---|--------------|---|---------------------------------------|
|  | United States Environmental Protection Agency Washington, DC 20460 | NOTIFICATION | Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other | OPP Identifier Number Notification |
|---|---|--------------|---|---------------------------------------|

Application for Pesticide - Section I

| | | |
|---|---|--|
| 1. Company/Product Number 100-973 | 2. EPA Product Manager Venus Eagle | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Helix Insecticide with Fungicides | PM# 1 | |
| 5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ | |

Section - II

| | |
|--|--|
| <input type="checkbox"/> Amendment - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application. |
| <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Other - Explain below. |

Explanation: Use additional page(s) if necessary. (For Section I and Section II.).


Notification of label change per PR Notice 2007-4. This Notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Syngenta is amending the Storage and Disposal section of the label by Notification according to the directions stated in PR Notice 2007-4.

Section - III

| | | | | | |
|---|--|---|---|---|---|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____ |
| *Certification must be submitted | | If "Yes" Unit Packaging wgt. No. per Container | If "Yes" Unit Packaging wgt. No. per container | | |
| 3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container 30 gal. | | 5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product | | | | <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u> <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | |

Section - IV

| | | | | | |
|--|-----------------------------|---|--|--|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) | | | | | |
| Name Pat Dinnen | Title Label Group Leader | Telephone No. (Include Area Code) 336-632-2494 | | | |
| I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. | | | | | 6. Date Application Received (Stamped) |
| 2. Signature  | | 3. Title Regulatory Specialist | | | |
| 4. Typed Name Pat Dinnen | | 5. Date August 11, 2009 | | | |

NOTIFICATION

3/10

HELIX™

Insecticide with Fungicides

A seed treatment product for control of certain insects and diseases of canola

For use in commercial seed treatment facilities with closed transfer systems only. No open transfer.

Active Ingredients:

| | |
|--------------------|---------|
| Thiamethoxam* | 10.30% |
| Difenoconazole** | 1.24% |
| Mefenoxam*** | 0.39% |
| Fludioxonil**** | 0.13% |
| <hr/> | |
| Other Ingredients: | 87.94% |
| Total: | 100.00% |

- *CAS No. 153719-23-4
- **CAS No. 119446-68-3
- ***CAS Nos. 70630-17-0 and 69516-34-3
- ****CAS No. 131341-86-1

Helix contains the following amounts of active ingredient per gallon: 1.12 lbs. thiamethoxam; 0.13 lb. difenoconazole; 0.04 lb. mefenoxam; 0.01 lb. fludioxonil.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See storage, disposal, and additional precautionary statements and directions for use in booklet.

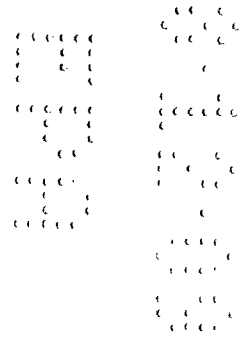
EPA Reg. No. 100-973

EPA Est. xxxxx

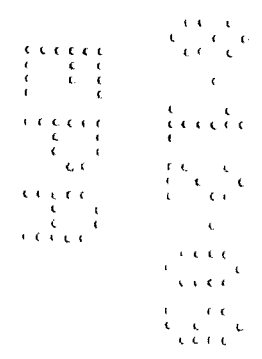
Product of Canada

SCP 973M (10-11-07)

Net Contents



| FIRST AID | |
|---|---|
| If inhaled | <ul style="list-style-type: none">• Move the person to fresh air.• If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center, doctor, or 1-800-888-8372 immediately for treatment advice. |
| If in eyes | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center, doctor, or 1-800-888-8372 immediately for treatment advice |
| If on skin or clothing | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center, doctor, or 1-800-888-8372 immediately for treatment advice. |
| If swallowed | <ul style="list-style-type: none">• Call a poison control center, doctor, or 1-800-888-8372 immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor. |
| Note to Physician There is no specific antidote if Helix is ingested. Induce emesis or lavage stomach. Treat symptomatically. | |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment. | |
| 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 | |



PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals**CAUTION**

Harmful if inhaled or absorbed through the skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment

Workers involved in treating, cleanup, or maintenance of seed treatment equipment must wear:

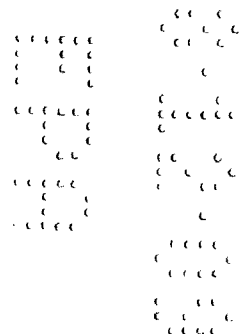
- Chemical-resistant coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves – made of any waterproof material – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride [PVC] or viton)
- Head gear
- Respirator protection (i.e., half-mask respirator with suitable dust filter or fresh air hood)

Baggers, sewers, and stackers must wear:

- Regular coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves – made of any waterproof material – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride [PVC] or viton)
- Head gear
- Respirator protection (i.e., single use dust masks, quarter or half-mask respirator, fresh air hood).

Forklift operators must wear regular coveralls over long-sleeved shirt and long pants and gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.



Environmental Hazards

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water.

- **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff (See manual at the following internet address: <http://www.wcc.nrcs.usda.gov/pestmgmt/core4.html>). Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

- **Ground Water Advisory**

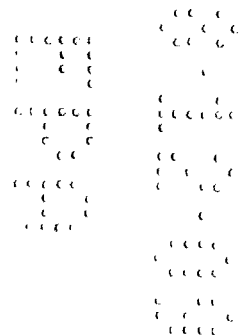
Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

- **Spray Drift Advisory**

Do not allow this product to drift.

Physical and Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.



MIXING PROCEDURES

Helix is especially formulated as a ready-to-apply seed treatment. An EPA-approved coloring agent has been added to the formulation. No additional colorant, dyes, binders, or water are needed. Apply utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of insect or disease control. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment. Allow seed to dry before bagging.

Federal law requires that bags containing treated seed shall be labeled with the following information: "This seed has been treated with thiamethoxam insecticide and fludioxonil, difenoconazole, and mefenoxam fungicides. Do not use for feed, food, or oil purposes. Store away from feed and foodstuffs."

CANOLA

To provide early season protection against flea beetles, seed-borne blackleg (*Leptosphaeria maculans*), seed-borne *Alternaria*, and the seedling disease complex (damping-off, seedling blight, seed rot, and root rot) caused by *Pythium* species, *Fusarium* species, and *Rhizoctonia* species, apply Helix at 23 fluid ounces of product per 100 pounds of seed.

Rotational Crops: Treated areas may be replanted immediately following harvest with canola or wheat, or as soon as practical following the last application. All other crops may be planted 30 days after the last application of Helix.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

