



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ruhi Rezaaiyan  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, NC 27419-8300

JUN 22 2011

**SUBJECT:** Label Amendment; Difenoconazole Technical  
EPA Reg. No. 100-739; Decision: 426119 and Petition 9F7676 (D426124)  
Your Submission Dated 12/18/2009 and revised label resubmissions

Dear Ms. Rezaaiyan:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, to add new uses for carrot, soybean, stone fruit, and strawberry, is acceptable provided that you:

Make the following changes to the label.

- a. Delete "almonds", "pecans" and "pistachio" because they are in tree nut group 14 already listed.
- b. Change "Citrus fruits (crop group 10-10)" to "Citrus fruits (crop group 10)".
- c. Change "fruiting vegetables (crop group 8-10)" to "fruiting vegetables (crop group 8)".
- d. Delete "eggplant" because it's in group 8 already listed.
- e. Delete "(subgroup 13-07F)" from grapes because all the members of this group are not listed on any difenoconazole end-use label and have not been assessed.
- f. Delete "pepper" because it's in group 8 already listed.
- g. Change "pome fruit (crop group 11-10)" to "pome fruit (crop group 11)".
- h. Delete "potatoes because they are in subgroup 1C already listed.
- i. From "Strawberries" delete "and other low growing berries (subgroup 13-07G except cranberry" because all the members of this group are not listed on any

difenoconazole end-use label and have not been assessed.

j. Delete "tomatoes" because it's in group 8 already listed.

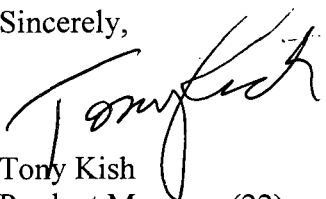
k. Add the missing "golf course turf" approved on end use product 100-1313 on 4/5/11 but never added to this label.

As a condition of approval the following data must be submitted by 6/15/2013:

1. Additional storage stability data (860.1380) for the triazole metabolites in livestock commodities are required. Supporting storage stability data for residues of 1,2,4-triazole (1,2,4-T) are required to support the storage conditions (frozen) and intervals (up to 10 months) of livestock commodity samples collected for the cattle and poultry feeding studies that were evaluated.
2. Additional soybean field trials (860.1500) conducted with the SC formulation at the maximum proposed use rate are required. These data may be field trials conducted with a 25% reduction in number or in the form of limited side-by-side trials (conducted at exaggerated rates) to compare residues resulting from the use of an EC formulation with that of the SC formulation.
3. Additional EC and EW bridging data are required. As per the ChemSAC meeting on 1/27/2010, additional side-by-side field trials on grapes are required comparing difenoconazole residues resulting from applications of the EC and EW formulations. This should provide a more complete and robust dataset to serve as a surrogate for potential residual differences in/on the other new fruit and vegetables at issue. HED recommends three side-by-side trials on grapes comparing the EC and EW formulations using ground equipment conducted at the maximum use rate on grapes (5 applications at 0.12 lb ai/A/application, with a 6-day RTI), or at a slightly exaggerated rate (up to 1.25x or 0.15 lb ai/A/application), and collecting 2-4 samples at several intervals between 0-day and 21-days after the last application.
4. Estuarine/marine invertebrate life cycle study (850.1350) - prior study did not establish a definitive NOAEC.
5. Avian acute oral study (850.2100) for the difenoconazole degradates CGA-71019 and CGA-142856.
6. Conditional data requested in the HED risk assessment for these new uses which has been submitted, or which will be submitted under previous risk assessments/due dates must be found acceptable (ie. storage stability on crop matrices and processed commodities, confined rotational crop data reflecting phenyl-ring labeling, immunotoxicity, etc.).

Submit one copy of your final printed labeling before you release the product for shipment. If you have any questions regarding this correspondence, contact Rose Kearns of my staff by phone at 703-305-5611 or via email at [kearns.rosemary@epa.gov](mailto:kearns.rosemary@epa.gov) or myself at 703-308-9443 or via email at [kish.tony@epa.gov](mailto:kish.tony@epa.gov).

Sincerely,



Tony Kish  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505P)

Enclosure

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**Difenoconazole Technical**

For Formulation into End-Use Fungicide Products

Active Ingredient:	
Difenoconazole* .....	95.0%
Other Ingredients:	5.0%
Total:	100.0%

\*CAS No. 119446-68-3

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements on label.

EPA Reg. No. 100-739

EPA Est.

SCP 739A

\_\_\_\_ lbs.  
Net Weight

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JUN 22 2011  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-739

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor 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> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</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 or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
If 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.	
<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>	

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals**

**CAUTION**

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

## Environmental Hazards

This pesticide is toxic to fish, mammals, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic **estuarine/marine** organisms in water adjacent to treated area. Do not apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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**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, LLC 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 the 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 Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

### **DIRECTIONS FOR USE**

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

This product is intended for the formulation of crop protection products. This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with the U.S. EPA data submission requirements regarding the support of such use(s).

This product is intended for formulation into fungicides for the following seed treatment uses: cereals (wheat, barley, triticale), cotton, sweet corn, and canola.

This product is intended for formulation into fungicides for the following foliar uses: almonds, brassica (cole) (subgroup 5A and 5B), bulb vegetables (subgroup 3-07A and 3-07B), carrots, chickpea, citrus fruits (crop group 10-10), cucurbit vegetables (crop group 9), fruiting vegetables (crop group 8-10), eggplant, grapes (subgroup 13-07F), pecans, pepper, pistachios, pome fruit (crop group 11-10), potatoes, soybean, stone fruit, strawberries and other low growing berries (subgroup 13-07G except cranberry), sugar beet, tomatoes, tree nuts (crop group 14), all vegetables in tuberous and corn subgroup crops (subgroup 1C). Also for outdoor application to established ornamentals in landscaped areas, including (but not limited to) recreational parts, institutional sites, golf courses and residential properties by commercial and non-professional (e.g., homeowner) applicators.

## STORAGE AND DISPOSAL

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

### 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.

### Container Handling

Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in a manner required by its liner.

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

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

SCP 739A

DIF TEC 739 MAS AMENDC 1209-CLEAN – df – 4/13/11  
000100-00739.20091217C.DIF-TECH-TOL-AMENDC-DEC2009-CLEAN.pdf