

100-1286

10/15/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:
100-1286

Date of Issuance:
OCT 15 2007

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Quartet Cotton Seed Treatment
Fungicide™

Name and Address of Registrant (include ZIP Code):

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

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.
2. Make the following changes to the proposed label submitted on Oct. 11, 2007 before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 100-1286."

Signature of Approving Official:

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

Date:

OCT 15 2007

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b. In the "CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY" section, change "To the extent permitted by applicable law," to "To the extent consistent with applicable law," in each of the five places this clause occurs.

3. Submit, by no later than one year following the date of this letter, a study or studies that fulfill the requirements for Storage Stability (Guideline Requirement Number 830-6317) and Corrosion Characteristics (Guideline Requirement Number 830-6320) of the subject product.

4. Submit one copy of the revised final printed label for the Agency's records 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 constitutes acceptance of these conditions.

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

Attachments: Product label stamped "ACCEPTED with COMMENTS"
Technical Review Branch/Acute Toxicity and Product Chemistry reviews

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GROUP 3 4 11 12 FUNGICIDES

Quartet Cotton Seed Treatment Fungicide™

Fungicide

Broad-spectrum seed treatment fungicide for control of seed and seed borne diseases in cotton.

Active Ingredients:

Azoxystrobin ¹	5.24%
Fludioxonil ²	0.87%
Mefenoxam ³	2.62%
Difenoconazole ⁴	0.35%

Other Ingredients: 90.92%

Total: 100.00%

- ¹(CAS No. 131860-33-8)
- ²(CAS No. 131341-86-1)
- ³(CAS No. 70630-17-0 and 69516-34-3)
- ⁴(CAS No. 119446-68-3)

Contains 0.48 pound azoxystrobin, 0.08 pound fludioxonil, 0.21 pound mefenoxam and 0.03 pound difenoconazole per gallon

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-????

EPA Est. No.

Product of the _____
Formulated in the _____

SCP ?????

____ gallons
Net Contents

**ACCEPTED
with COMMENTS
In EPA Letter Dated
OCT 15 2007**

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

100-1286

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have 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. • Do not give anything by mouth to an unconscious person.
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 or doctor 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 or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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 swallowed. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber.
- Shoes plus socks

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not contaminate water when disposing of equipment washwater or rinsate. If treated seed is spilled outdoors, or in areas accessible to birds or endangered species, promptly clean up and dispose of properly to prevent ingestion.

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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 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 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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination test on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Syngenta Crop Protection, no claims are made to guarantee germination of carry-over seed.

Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with Quartet Cotton Seed Treatment Fungicide.

GENERAL INFORMATION

Quartet Cotton Seed Treatment Fungicide is a broad spectrum, preventative seed treatment fungicide with systemic and contact properties recommended for the control of many important plant diseases. Quartet Cotton Seed Treatment Fungicide may be applied in tank mixes, or sequentially with other registered, seed treatment products. If using Quartet Cotton Seed Treatment Fungicide in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank mix partner label. No label dosage should be exceeded and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product, which prohibits such mixing.

For use in commercial seed treatment operations only. Not for use in planter or hopper box applications.

All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

If necessary, cotton may be replanted immediately after last planting. Do not plant other crops sooner than 45 days after last planting.

RESISTANCE MANAGEMENT

GROUP	3	4	11	12	FUNGICIDES
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Quartet Cotton Seed Treatment Fungicide is a mixture of a Group 3 (difenoconazole), a Group 4 (mefenoxam), a Group 11 (azoxystrobin), and a Group 12 (Fludioxonil) fungicide. The potential for resistance to non-systemic seed treatment fungicides is extremely low. Conversely, in systemic seed treatments, which have the ability to move through the shoot and into the growing plant, the potential for resistance is higher. However, if the concentration of the systemic fungicide applied to the seed is low, the potential concentration that could move into the plant would be minimal and would not have any impact on foliar pathogens and resistance. Therefore, low rate seed treatments (like Quartet Cotton Seed Treatment Fungicide) can be followed by a foliar fungicide treatment with the same fungicide chemistry if it is applied at least 3 weeks after planting. Follow the resistance management guidelines for all foliar applications. For fungicide chemistry where there is documented resistance on a specific crop, use a different fungicide chemistry for the first foliar application.

MIXING INSTRUCTIONS

Apply Quartet Cotton Seed Treatment Fungicide as a water based slurry using seed treatment application equipment that will provide uniform coverage on the seed surface. Consult the manufacturer of the application equipment being used for calibration and operation procedures.

Quartet Cotton Seed Treatment Fungicide mixes easily with water and other water based seed treatments manufactured by Syngenta. When mixing with products from other manufacturers, the compatibility should be tested prior to use by conducting a jar test. Mix all intended seed treatments with the appropriate amount of water in a clear glass container. Mix well and let sit for one hour. Remix and observe for incompatibility.

Mixing Quartet Cotton Seed Treatment Fungicide with tank mix partners: Add ½ of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred. If using wettable powders and/or products in water-soluble pouches, add them first to clean water allowing them to completely disperse prior to adding Quartet Cotton Seed Treatment Fungicide or other products. Allow each tank-mix partner to completely disperse before adding the next product. Add the remaining amount of

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water and agitate. Maintain agitation until the entire slurry mixture has been used. Allow seed to dry prior to bagging.

Note: Federal law requires that bags of treated seeds shall be labeled with the following information. "This seed has been treated with azoxystrobin, fludioxonil, difenoconazole and mefenoxam fungicides. Do not use for food, feed or oil purposes. Store away from food and feedstuffs." Use with an EPA-approved dye that imparts an unnatural color to the seed.

CROP USE DIRECTIONS

Crop	Target Diseases	Amount of active ingredient (azoxystrobin, fludioxonil, mefenoxam, difenoconazole combined) per seed*	Remarks
Cotton	Seed-borne and soil-borne fungi causing decay, damping-off and/or seedling blight. Seedling damping-off (<i>Rhizoctonia solani</i> , <i>Pythium</i> spp., <i>Fusarium</i> spp.)	0.023 mg	*mg per seed rates based on 5000 seeds per pound

*1 fl. oz. of Quartet Cotton Seed Treatment Fungicide contains 1.70 grams azoxystrobin, 0.28 grams fludioxonil, 0.74 grams mefenoxam, and 0.11grams difenoconazole.

Application Based on a Weight Basis:

Crop	Target Diseases	Use Rate fl. oz. product per 100 lbs seed*
Cotton	Seed-borne and soil-borne fungi causing decay, damping-off and/or seedling blight. Seedling damping-off (<i>Rhizoctonia solani</i> , <i>Pythium</i> spp., <i>Fusarium</i> spp.)	4.0

*1 fl. oz. of Quartet Cotton Seed Treatment Fungicide contains 1.70 grams azoxystrobin, 0.28 grams fludioxonil, 0.74 grams mefenoxam, and 0.11 grams difenoconazole.

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Plastic Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by State and local authorities.

FOR BULK AND MINIBULK CONTAINERS

Container Disposal: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

Container Precautions: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

REFILL ONLY WITH QUARTET COTTON SEED TREATMENT FUNGICIDE. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than Quartet Cotton Seed Treatment Fungicide will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.



Quartet Cotton Seed Treatment Fungicide™, the Syngenta logo, and the CP FRAME  are trademarks of a Syngenta Group Company

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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, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300
www.syngenta-us.com

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Quartet Cotton Seed Treatment Fungicide - bb - 10-11-07

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