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07-26-2007

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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:

74280-2

Date of Issuance:

JUL 26 2007

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Tebuconazole 3.6F

Name and Address of Registrant (include ZIP Code):

**Punjab Chemicals & Crop Protection, Ltd.**  
**Plot# 645/646, Oberoi Chambers-II**  
**New Link Road, Andheri (W)**  
**Mumbai-53, India**

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 sec 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.

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Signature of Approving Official:

Date:

7/26/2007

Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division (7505P)

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2. Submit the following studies by December 31, 2008:
  - a. Storage Stability: OPPTS 830.6317
  - b. Corrosion Characteristics: OPPTS 830.6320
3. Make the following change to the label: Change the product registration number to "EPA Reg. No. 74280-2"
4. Submit one copy of the revised final printed label for the record before the product is released 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.

*Mary L. Waller*

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505P)

Enclosure: Label stamped "Accepted with Comments"  
Product Chemistry Review dated July 12, 2007  
Acute Toxicity Similarity Action dated July 10, 2007

ACCEPTED <sup>3/9</sup>  
with COMMENTS  
In EPA Letter Dated

**TEBUCONAZOLE 3.6F**  
Fungicide

JUL 26 2007  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

74280-2

**ACTIVE INGREDIENT:**

Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol .....	38.7%
INERT INGREDIENTS .....	61.3%
TOTAL	100.0%

Contains 3.6 pounds tebuconazole per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a 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 a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</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 in the 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 the eye.</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 mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Note to Physician: No specific antidote. Treat symptomatically. The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Medical Emergency Assistance, call the National Pesticide Information Center 1-800-858-7378.	

**For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.**

Manufactured For:  
Punjab Chemicals & Crop Protection, Ltd.,  
Plot# 645/646, Oberoi Chambers-II,  
New Link Road, Andheri (W)  
Mumbai-53, INDIA

EPA Reg. No. 74280 - \_\_\_\_\_

EPA Est. No.: \_\_\_\_\_

NET CONTENTS: \_\_\_\_\_ GALLONS

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

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor spray mist.

**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, such as barrier laminate, or butyl rubber or Nitrile rubber or neoprene rubber or polyvinyl chloride or Viton
- Shoes plus socks.

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

**Engineering Controls Statement:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**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.

**ENVIRONMENTAL HAZARDS**

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

**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.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls,
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or Viton
- Shoes plus socks

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Do not store this product near fertilizers, seeds, or other pesticides.

Store in original containers only. Store in a cool, dry locked facility and avoid excess heat. Carefully open containers. Reclose all partially used containers by thoroughly tightening screw cap. Do not put concentrate or dilute material in food or drink containers. Keep containers closed when not in use.

In case of spill, confine spill by surrounding area with sand, cat litter or commercial clay and dispose as directed below.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### GENERAL INFORMATION

Read the entire Directions for Use and Conditions of Sale before using this product.

**Chemigation:** Do not apply this product through any type of irrigation system.

For the most effective results, equipment calibration should be checked regularly. When using lower spray volumes, be sure to maintain uniform application and full crop coverage so as to ensure effective control. Increase spray volume to ensure proper application, if required.

**NOTE:** FOLLOW THESE DIRECTIONS WHEN MAKING APPLICATIONS NEAR BODIES OF WATER (ESTUARIES, LAKES, MARSHES, NATURAL PONDS, PERMANENT STREAMS, RESERVOIRS, AND RIVERS).

**See Aerial Drift Reduction Advisory Sections in following pages.**

- Ground and aerial application within 100 feet of bodies of water listed above is prohibited.
- Application to fields next to bodies of water may only be made every other year.
- To prevent unwanted exposure to bodies of water, maintain a 10 foot-wide non-cultivated vegetative strip filter.
- See Spray Drift Management section for further information.

**Mixing:** Continuous agitation is required during mixing. When mixing this product and water, use the specified application rates as listed for each crop on this label. Before combining any other substances with the mixture, ensure that the **Tebuconazole 3.6F** is completely dispersed in the mixture.

#### Compatibility Test For Mix Components:

Before mixing components, always perform a compatibility jar test. For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water in a clear, clean, mixing jar. For other spray volumes, adjust accordingly. Only use water from the intended source at the source temperature. Add components in the sequence indicated below in Mixing Order using 2 teaspoons for each pound of dry product or 1 teaspoon for each

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pint of liquid product of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar and fully mixed, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent and use the compatibility agent as directed on its label.

**Mixing Order:**

- 1) **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
- 2) **Agitation.** Maintain constant agitation throughout mixing and application.
- 3) **Inductor.** If an inductor is used, rinse it thoroughly after each component has been added.
- 4) **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 5) **Water-dispersible products.** Including dry flowables (DF), wettable powders (WP), suspension concentrates (SC), or suspo-emulsions (SE).
- 6) **Water-soluble products.**
- 7) **Emulsifiable concentrates** (such as oil concentrate when applicable).
- 8) **Water soluble additives** (such as AMS or UAN when applicable).
- 9) **Remaining quantity of water.**

Maintain constant agitation during application.

**SPRAY DRIFT MANAGEMENT**

Apply only as a medium or coarser spray (ASAE Standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

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**ROTATIONAL CROPS:**

Following application, you may replace treated crops with peanuts or grasses grown for seed at any convenient time. You may replace treated crops with any other crop 120 days after the most recent application of this product.

**APPLICATION DIRECTIONS**

**GRASSES GROWN FOR SEED**

<b>CROP</b>	<b>TARGET DISEASES</b>	<b>PER ACRE PRODUCT USE RATE PER APPLICATION</b>	<b>FOLLOW-UP APPLICATION TIMING</b>	<b>MAXIMUM USE RATE OF PRODUCT/ACRE/CROP PER SEASON</b>	<b>PHI</b>
Grasses grown for seed	Rust Puccinia spp.	4-8 fluid ounces	14 – 16 days	16 fluid ounces	4 days
	Powdery Mildew Erysiphe graminis	4-6 fluid ounces			

**Application Directions:**

For optimal disease control, begin applications of Tebuconazole 3.6F prior to disease development, as favorable weather conditions for disease development are noted in the crop area.

Use the higher rate and shorter intervals when disease pressure is high or if disease is present prior to fungicide application. For best results, use a minimum rate of recommended spray adjuvant when mixing this product for application. Uniform and complete distribution of applied spray is critical for best disease control.

**Ground Application:**

Use specified rate of Tebuconazole 3.6F in no less than 20 gallons of water per acre.

**Aerial Application:**

Use the specified rate of Tebuconazole 3.6F in no less than 10 gallons of water per acre.

**Animal Feed and Grazing Directions:**

Following the application of this product, do not permit animals to graze or forage in the treated areas for at least 17 days. While straw, chaff and screenings from the treated area may be used for feed, do not use seed for animal feed purposes. Do not forage, cut green crop.

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PEANUTS

CROP	TARGET DISEASES	PER ACRE PRODUCT USE RATE PER APPLICATION	FOLLOW-UP APPLICATION TIMING	MAXIMUM USE RATE OF PRODUCT/ACRE/CROP PER SEASON	PHI
<b>Peanuts</b> Foliar	Early leaf spot (Cercospora arachidicola)	7.2 fluid ounces	14 days	28.8 fluid ounces	14 days
Foliar	Late leaf spot (Cercosporidium personatum)				
Foliar	Leaf Rust (Puccinia spp.)				
Foliar	Pepper spot (Leptosphaerulina crassiasca)				
Foliar	Web blotch (Phoma arachidicola)				
<b>Peanuts</b> Soil bore	Southern stem rot Southern blight White mold (Sclerotium spp.)				
Soil bore	Rhizoctonia limb rot Rhizoctonia pod rot* (Rhizoctonia solanii)				

\* Rhizoctonia pod rot – North Carolina and Virginia only.

**General Use Directions For Peanuts:**

**Spray Volume:**

**Ground Application:**

Apply Tebuconazole 3.6F in no less than 10 gallons of spray solution per acre.

**Aerial Application:**

Apply Tebuconazole 3.6F in no less than 5 gallons of spray solution per acre.

Traditional and university proven anti-disease techniques, such as specific crop rotation, along with industry approved best management practices, will contribute to optimum disease control when used with Tebuconazole 3.6F.

For best results, use the minimum rate of a spray surfactant when mixing this product for application.

Tebuconazole 3.6F will be less effective when the area to be treated is subject to drought. Product must be moved into the lower plant area and surrounding soil area by rain and overhead irrigation. Moving the applied product down into the plant structure and surrounding soil is especially important in the control of root, stem and pod diseases.

**Mode of Action Information:**



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The active ingredient in Tebuconazole 3.6F is a member of the DMI (Demethylation Inhibitor) fungicide group and FRAC grouping 3. Its mode of action inhibits synthesis of sterols. This triazole fungicide's actions are protective, curative (when applied early in the fungal pathogen's life cycle) and systemic in nature. The active ingredient is absorbed by root and leaf tissue, and then moves to the growing tissue. (Chlorothalonil is a Substituted Benzene fungicide that slows sporulation and growth rates of fungi and a member of FRAC group Y, Multi Site Action. Its action is protective and makes it a good resistance management partner.)

**Soilborne Disease Preventative Spray Program:**

For best results in controlling White Mold and other Soilborne diseases (such as Sclerotium stem and pod rots or Rhizoctonia limb and pod rots), apply the above specified rate as part of a seven application spray program. Treatments should be initiated as preventative in nature. Chlorothalonil should be used in the beginning treatments (1<sup>st</sup> and 2<sup>nd</sup>) and those following four (4) consecutive Tebuconazole 3.6F applications (14 day scheduled) to lessen risks of disease resistance. All treatments after mid August should be tank mixed with Chlorothalonil.

**Leaf Spot Resistance:**

Care should be taken not to alternate or tank mix DMI fungicides in the same application. Non-DMI fungicides should be used in rotation or alternation with Tebuconazole 3.6F for disease resistance management. Contact your local extension peanut specialist or crop consultant about management programs proven for your area.

**Animal Feed and Grazing Directions:**

Following the application of this product, do not permit animals to graze or forage in the treated areas. Hay and harvester thrashings from the treated area may not be used for animal feed.

**CONDITIONS OF SALE AND LIMITED WARRANTY:**

The Directions For Use are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of PUNJAB CHEMICALS & CROP PROTECTION, LTD. or the SELLER. All such risks shall be assumed by the Buyer.

PUNJAB CHEMICALS & CROP PROTECTION, LTD. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks referred to above.

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