

264-939

8/23/2011

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

Office of Pesticide Programs  
Registration Division (7504P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

264-939

Date of Issuance:

AUG 23 2011

Terms of Issuance:  
**Unconditional**

Name of Pesticide Product:  
**Gustafson RTU® - BAYTAN®  
- THIRAM Fungicide**

**NOTICE OF PESTICIDE:**

XX Registration

XX Reregistration

(under FIFRA, as amended)

**Attention: Mel Tolliver**  
**Bayer CropScience LP**  
**P.O. Box 12014, 2 T.W. Alexander Drive**  
**Research Triangle Park, NC 27709**

**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.

EPA received a label amendment request submitted by email on August 18, 2011. EPA grants this request under the authority of section 3(c)(5) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision for **Thiram** and the **Triadimefon and Tolerance Reassessment for Triadimenol** have been satisfied. Therefore, EPA reregisters 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.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after 12 months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

If you have any questions or comments regarding this letter, please contact Heather Garvie at (703) 308-0034 or via e-mail at [garvie.heather@epa.gov](mailto:garvie.heather@epa.gov).

Signature of Approving Official:

Tony Kish  
Product Manager (Team 22)  
Fungicide Branch  
Registration Division

Date:

AUG 23 2011

**ACCEPTED**  
 AUG 23 2011  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 264-939

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**Gustafson**

**RTU<sup>®</sup>-BAYTAN<sup>®</sup>-THIRAM Fungicide**

Intended for use only by Commercial Seed Treaters.  
 Intended for sale to and use by professional applicators only.

**ACTIVE INGREDIENTS:**

Triadimenol, Beta-(4-Chlorophenoxy)-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol ..... 5.0%  
 Thiram (Tetramethylthiuram disulfide) ..... 15.3%

**OTHER INGREDIENTS:** ..... 79.7%

**TOTAL 100.0%**

Contains 0.43 pounds triadimenol (BAYTAN) and 1.33 pounds Thiram per U.S. gallon.

Contains petroleum distillates.

**EPA Reg. No. 264-939**

**EPA Est.**

**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
 For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

**FIRST AID**

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything 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 mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**NOTE TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.  
 Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear (goggles, face shields or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gums, using tobacco or using the toilet.

## PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, and viton. If you want more options, follow the instructions for category C on an EPA Chemical resistance category selection chart.

### All mixers/loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks,
- chemical resistant gloves, except when sewing bags of treated seed, and
- chemical resistant apron when mixing, loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

NOTE: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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 chemical is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

## DIRECTIONS FOR USE

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

Do not use on agricultural establishments in hopper-box, planter-box, slurry-box, or other seed treatment applications at or immediately before planting. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application.

RTU-BAYTAN-Thiram Fungicide combines the systemic action of BAYTAN with the surface action of Thiram to control or suppress various seed, seedling and soilborne diseases of wheat, barley, oats, rye and cotton. Systemic activity of BAYTAN will provide early season control of infections by powdery mildew and rusts.

Do not use or store near food or feed.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in a cool, dry place.

### PESTICIDE DISPOSAL

Pesticide wastes are toxic. 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 at the nearest EPA Regional Office for guidance. Open dumping is prohibited.

### CONTAINER HANDLING

Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons).

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

### Rigid Non-refillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs) Non-refillable Containers

Non-refillable containers - Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

#### Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

#### Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs).

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

### Refillable Containers

Refillable container. Refill this container with pesticide only. Do not reuse this container for any

other purpose. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781) or rinse and either recycle or dispose of the container as follows:

#### Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

#### Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, and Kegs).

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

**NOTE:** Seed that are treated with this product and are then packaged or bagged for future use by growers or researchers must contain the following labeling on the outside of the seed package or bag.

- This bag contains seed treated with thiram and triadimenol.
- Do not use treated seed for feed, food or oil purposes.
- Do not graze green forage within 40 days of planting.
- When opening this bag or loading/pouring the treated seeds wear longsleeved shirt, long pants, shoes, socks and chemical resistant gloves.
- "After the seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area with out restriction if there will be no worker contact with the seeds."
- "Treated seeds are hazardous to fish, birds and mammals. Do not plant treated seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate or by disposal of wastes."
- "Plant cotton, wheat, barley and oats seed a minimum of 1 inch deep."

**SEED TREATMENT**

RTU-BAYTAN-Thiram Fungicide is a ready-to-use seed treatment. Make applications using standard slurry or mist-type commercial seed treatment equipment. Uniform application of seed is necessary to insure seed safety and best disease control. Seed should be sound and well cured prior to treatment. Seeds commercially treated or for sale must be dyed an unnatural color using an EPA approved dye before being sold.

**RESTRICTIONS**

For use only through commercial seed treating equipment which are closed application systems. Do not use treated seed for feed, food or oil purposes.

Application rates of less than 6 fluid ounces of RTU-BAYTAN-Thiram Fungicide per 100 pounds of seed must be diluted with sufficient water to give a minimum applied treatment rate of 6 fluid ounces of slurry/cwt. Rates of 6 to 9 ounces of product may be applied without further dilution.

The maximum application rate for cotton seed is 1.0 oz. ai/cwt (625 ppm).

**Cotton Seed:** Plant treated cotton seed a minimum of 1 inch deep.

**Barley Seed:** Plant barley seed a minimum of 1 inch deep.

**Oat Seed:** Plant oat seed a minimum of 1 inch deep.

**Wheat Seed:** Plant wheat seed a minimum of 1 inch deep.

### APPLICATION DIRECTIONS

CROP	DISEASE	FLUID OUNCES RTU-BAYTAN-Thiram Fungicide	REMARKS
Wheat Barley Oats Rye	<p>Seed and Soilborne Diseases:</p> <p>Wheat:                      Scab                      Stinking smut                      Flag smut                      Loose smut                      Glume blotch                      Foot rot*                      Take-all*                      Pythium rot*</p> <p>Barley:                      Scab                      Covered smut                      Loose smut                      Net blotch*                      Typhula rot*                      Foot rot*                      Pythium rot*</p> <p>Oats:                      Scab                      Loose smut                      Pythium rot*</p> <p>Rye:                      Scab                      Stripe smut                      Pythium rot*</p>	4-½ to 9 fluid ounces per 100 pounds of seed	<p>Refer to the Seed Treatment section on this label for the recommended method of treating seed.</p> <p>Apply the 4-½ ounce rate for control of smuts, and the 9 ounce rate for control or suppression of the other diseases.</p> <p>*Suppression or some control of these diseases provided.</p> <p>Green forage may be grazed 40 days after seeding.</p>
	<p>Foliar Diseases:</p> <p>Wheat:                      Powdery mildew                      Leaf rust                      Stripe rust</p> <p>Barley:                      Barley rust                      Stripe rust                      Powdery mildew</p> <p>Oats:                      Crown rust                      Stripe rust                      Powdery mildew</p> <p>Rye:                      Rye rust                      Stripe rust                      Powdery mildew</p>	9 fluid ounces per 100 pounds of seed	<p>Refer to the Seed Treatment section on this label for the recommended method of treating seed.</p> <p>Use of the recommended rate will control the noted early season diseases.</p> <p>Green forage may be grazed 40 days after seeding.</p>
Cotton (Acid Delinted)	<p><i>Rhizoctonia</i>                      Seedling disease</p> <p><i>Thielaviopsis basicola</i>                      (Black root rot)</p>	3.0 to 6.0 fluid ounces per 100 pounds of seed  6.0 to 12.0 fluid ounces per 100 pounds of seed	<p>Refer to the seed Treatment section on this label for the recommended method of treating seed.</p> <p>For protection against seedling disease caused by <i>Thielaviopsis basicola</i>. Higher rates are only for areas with a severe history of disease.</p>

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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, disclaimer of Warranties and Limitations of Liability.

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 tests 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 Bayer CropScience LP, no claims are made to guarantee germination of carry-over seed.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

**NET CONTENTS:**

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Produced for



**Bayer CropScience**

**Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)**

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