
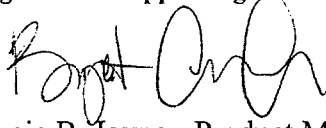


7969-268

10/29/2009

1/9

| | | |
|---|--|---|
|  <p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p align="center">NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p> | <p>EPA Registration Number: 7969-268</p> | <p>Date of Issuance: OCT 29 2009</p> |
| | <p>Term of Issuance: Conditional</p> | |
| | <p>Name of Pesticide Product: BAS 580 02F</p> | |
| <p>Name and Address of Registrant (include ZIP Code): BASF Corporation Edward Jordan, Ph. D. 26 Davis Drive, PO Box 13528 Research Triangle Park, NC 27709-3528</p> | | |
| <p>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.</p> | | |
| <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3 (c) (7) (A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the following label change: Change the EPA Registration Number to 7969-268 3. Provide the following as conditions of registration: <ol style="list-style-type: none"> a. OPPTS number 830.6317 - storage stability - due February 1, 2011 b. OPPTS number 830.6320 - corrosion characteristics - due February 1, 2011 <p>(Continued)</p> | | |
| <p>Signature of Approving Official:  FOR, Shaja B. Joyner, Product Manager 20 Fungicide Branch Registration Division (7505P)</p> | <p>Date: OCT 29 2009</p> | |

4. Submit one (1) copy of the revised final printed label 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 sec. 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. If you have any questions, contact Lisa Jones of my team at (703) 308-9424 or at jones.lisa@epa.gov.

Sincerely,

 FOR

Shaja B. Joyner
Product Manager (20)
Fungicide Branch
Registration Division (7505P)

Enclosure: Stamped copy of label
April 10, 2008 Product Chemistry review
June 10, 2008 Acute Toxicity review



The Chemical Company

GROUP 1 | 11 FUNGICIDE

ACCEPTED
with COMMENTS
In EPA Letter Dated:

OCT 29 2009

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

7969-268

BAS 580 02F

fungicide seed treatment

Active Ingredients:

pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy)methyl]phenyl]methoxy-, methyl ester) 4.22%

thiophanate-methyl (dimethyl [(1,2-phenylene)bis(iminocarbonothioyl)]bis[Carbamate])* 37.92%

Other Ingredients: 57.86%

Total: 100.00%

*Also known as dimethyl 4,4'-o-phenylenebis-[3-thioallophanate]
Contains 0.417 lb of pyraclostrobin and 3.75 lbs thiophanate-methyl per gallon.

EPA Reg. No. 7969-xxx

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside for complete **First Aid, Precautionary Statements, Directions For Use,** and **Conditions of Sale and Warranty.**

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

| 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 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 by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice. |
| If in eyes | <ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes. • 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 to 20 minutes. • Call a poison control center or doctor for treatment advice. |
| HOTLINE NUMBER | |
| <p>Have the product container label with you when calling a poison control center or doctor or going for treatment.</p> <p>EMERGENCY NUMBERS:</p> <ul style="list-style-type: none"> • Transportation or spill, call CHEMTREC 1-800-424-9300 • Human health, call 1-800-832-HELP (4357) • Animal health, call ASPCA at 1-800-345-4735 | |

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves for all mixers and loaders and for applicators using handheld equipment
- Chemical-resistant apron for mixers, loaders and other handlers exposed to the concentrate

User Safety Requirements

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

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 fish and aquatic invertebrates.

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.

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 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 Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

EXCEPTION: If seed is treated with the product and treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas 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, made of any waterproof material
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in the original container in a dry area. **DO NOT** store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the pesticide disposal instructions listed 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

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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 1/4 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.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or 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.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 1-800-424-9300
 BASF Corporation 1-800-832-HELP (4357)

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse. Keep the spill out of all sewers and open bodies of water.

General Information

This package contains **BAS 580 02F fungicide seed treatment**, a water-based liquid fungicide seed treatment formulation (FS). **BAS 580 02F fungicide seed treatment** is a broad-spectrum fungicide that provides preventive seed and seedling protection against multiple seedborne fungi causing seed and seedling diseases and decay including *Rhizoctonia solani*, *Fusarium* spp., and *Phomopsis* spp., and certain opportunistic pathogens such as *Penicillium* spp., *Aspergillus* spp., and *Botrytis* spp. **BAS 580 02F fungicide seed treatment** may be applied in conjunction with applications of other registered seed treatment products. Make all applications according to the use directions in this label.

Resistance Management

BAS 580 02F fungicide seed treatment contains two active ingredients: pyraclostrobin, a target site **Group 11** fungicide, and thiophanate-methyl, a target site **Group 1** fungicide. Because of the minimal amounts of **BAS 580 02F fungicide seed treatment** applied to the seed that relocate to the upper parts of the plant, the potential for development of resistance is extremely low. Seed treatments of **BAS 580 02F fungicide seed treatment** can, therefore, be followed by foliar use and resistance management guidelines of foliar use fungicides containing pyraclostrobin (**Cabrio® EG fungicide** and **Headline® fungicide**) and thiophanate-methyl (**T-methyl fungicide** and **Topsin® M fungicide**) as specified on the respective labels.

Application Instructions

For use at commercial treatment facilities. Not for use on the farm.

Apply **BAS 580 02F fungicide seed treatment** as a water-based mixture using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate (ml/100 kg or oz/cwt of seed) for optimum coverage is difficult to predict since weather conditions (hot or cold), seed type, and surface and equipment used all have a bearing on coverage. Consult a seed treatment specialist

regarding slurry rates recommended for the crop seed to be treated with **BAS 580 02F fungicide seed treatment**. The required amount of **BAS 580 02F fungicide seed treatment** should then be diluted with the recommended amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection.

Seed should be sound and well cleaned prior to treatment. The purchaser of **BAS 580 02F fungicide seed treatment** is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 225. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use under 40CFR, Part 180.900, "**Exemptions from the requirement of a tolerance**". Federal regulations have established official tolerances or exemptions from tolerances for residues on food and forage crops that should not be exceeded when the product (dye or colorant) is used at specified rates.

Consult the seed treatment specialist for calibration and operation procedures of the seed treatment equipment being used. Mechanical agitation is required for proper mixing of **BAS 580 02F fungicide seed treatment**. Prepare no more mixture of **BAS 580 02F fungicide seed treatment** than is needed for immediate treating. Add 3/4 of the required volume of water to the mix tank. With agitation running, add the required amount of **BAS 580 02F fungicide seed treatment** in the tank along with other seed treatment components. Add the remaining 1/4 amount of the required volume of water. Follow the mixing sequence listed below. Agitate thoroughly before and during application.

BAS 580 02F fungicide seed treatment with Tank Mix Partners

BAS 580 02F fungicide seed treatment mixes easily with water and other water-based seed treatments manufactured by BASF Corporation. When using **BAS 580 02F fungicide seed treatment** in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions and limitations that appear on the tank mix partner label. No label dosage or application rate should be exceeded, and the most restrictive label precautions and limitations should be followed. **BAS 580 02F fungicide seed treatment** should not be mixed with any product that prohibits such mixing. All applications should be made according to the use directions.

When mixing **BAS 580 02F fungicide seed treatment** with products from other manufacturers, test the compatibility prior to use by conducting a jar test as follows:

1. Mix all intended seed treatments with the appropriate amount of water in a clear glass container.
2. Mix well and allow to sit for 1 hour.
3. Remix and observe for incompatibility.

Physical compatibility is only part of compatibility. Testing also needs to be done with the seed to make sure the combination of products does not have detrimental effects on the seed.

Tank Mixing Instructions

1. Add 3/4 the required amount of water to the mix tank and turn on agitation. Mechanical agitation is preferred.
2. Follow the following mixing sequence: dye or colorant, wettable powders, soluble powders, flowable formulations, emulsifiable concentrates and the remaining 1/4 of the required water. The 1/4 of the required water as the last item for addition to the premix tank can be used as rinsate for the chemical container or to adjust the total slurry to compensate for water displacement by powdered products.
3. Maintain agitation until the entire slurry mixture has been used.
4. Ensure that seed is dry prior to bagging.

NOTE: Federal law requires that bags of treated seeds shall be labeled with the following:

Commercially treated seed should be labeled:

"This seed is treated with **BAS 580 02F fungicide seed treatment**, a pyraclostrobin and thiophanate-methyl product.

DO NOT allow children, pets or livestock to have access to treated seeds.

Wear long pants, long sleeved shirt and protective gloves when handling treated seed.

Treated seeds exposed on soil surface may be hazardous to wildlife.

Cover or collect treated seed spilled during loading and planting.

Dispose of all excess treated seed by burying seed away from bodies of water.

DO NOT contaminate bodies of water when disposing of planting equipment wash water.

Dispose of seed packaging or containers in accordance with local requirements.

DO NOT use for food, feed, oil production or any other purpose except planting.

Store away from treated foodstuffs."

**BAS 580 02F fungicide seed treatment Crop-specific Use Directions
for Legume Vegetables and Potato Seed Pieces**

| Crop | Target Disease | Product Use Rate |
|---|---|---|
| <p>Legume Vegetable (dried shelled beans and soybeans) Broad bean Chickpea Fava bean Guar Lablab bean Lentil</p> <p>Lupinus spp. Grain lupin Sweet lupin White lupin White sweet lupin</p> <p>Phaseolus spp. Black bean Cranberry bean Field bean Kidney bean Lima bean Navy bean Pinto bean Runner bean Snap bean Tepary bean Wax bean</p> <p>Vigna spp. Adzuki bean Blackeyed pea Catjang Cowpea Crowder pea Moth bean Mung bean Rice bean Southern pea Urd bean</p> <p>Glycine max Soybeans</p> | <p>Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i>, <i>Fusarium</i> spp., seedborne fungi causing seed decay (<i>Phomopsis</i> spp. and <i>Fusarium</i> spp.)</p> | <p>0.33 fl oz/100 lbs seed</p> |
| <p>Potato Seed Pieces^{1,2}</p> | <p>Potato seed-piece diseases caused by <i>Rhizoctonia</i> spp. (black scurf and stem canker)</p> | <p>1.70 fl ozs/100 lbs cut seed pieces</p> |

¹ Prior to cutting and planting seed pieces, thoroughly clean and sanitize equipment, including barrels, cutting machines, knives, tables, trays, trucks, and planters.
² **DO NOT** use treated seed pieces for food, feed or fodder.

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Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, 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 the presence of other or untested or unapproved materials, seed of low quality or low vigor or low germination, use of the product in a manner inconsistent with its labeling, misapplication of the product, or weather conditions at planting or environmental conditions during seed storage, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF 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.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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The Chemical Company