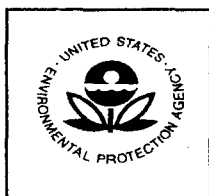


7969-248

05/30/2007

118



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

EPA Reg. Number:

7969-248

Date of Issuance:

MAY 30 2007

NOTICE OF PESTICIDE:

☒ Registration☐ Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

BAS 516 ST

Name and Address of Registrant (include ZIP Code):

Attn: Khalid Akkari

BASF Corporation

P.O. Box 13528

26 Davis 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.

This product is conditionally registered in accordance with FIFRA sec. 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 re-registration of your product under FIFRA Section 4.
2. Before releasing the product for shipment revise the EPA Registration Number to read, "EPA Reg. No. 7969-248" to your label before you release the product for shipment.
3. Submit a GLP storage and stability study (830.6317) and corrosion characteristics study (830.6320) by August 1, 2007.

Signature of Approving Official:

Tony Kish

Product Manager, Team 22

Fungicide Branch

Registration Division (7505P)

Date:

MAY 30 2007

4. 'Peanut' was not included as a desired use on the "Conditionally Accepted label," though, if sought at a later date, the registrant will need to comply with the following Agency requirements to receive further consideration. To obtain a seed treatment use on peanuts, the registrant will need to perform additional 'Field trials' studies, peanuts are to be subjected to the seed treatment and the foliar application, respectively. The seed must be treated at the proposed maximum label rate, and the foliar applications should observe the maximum label rate. Additionally, the samples must be taken at the minimum PHI.
5. To the 'General Information' section of the label, the first sentence contains a reference to '(EG)', it seems '(WG)' is the most appropriate choice. Review this section, then, make the necessary change(s), accordingly.
6. Beneath the section 'Application Instructions', the second sentence must appear in bold text as: **'Not for use on farm'**.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release of the shipment of your product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

Enclosure

3/8



The Chemical Company

Group **7 11** Fungicide

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 30 2007

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

7969-248

BAS 516 ST

seed treatment fungicide

For use in brassicas, bulb vegetables, cucurbits,
legume vegetables, soybean and sunflower.

Active Ingredients:

pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)	12.8%
boscalid (3-pyridinecarboxamide, 2-chloro-N-(4-chloro(1,1'-biphenyl)-2-yl)	25.2%
Inert Ingredients:	62.0%
Total:	100.0%

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

Net Contents: _____

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

FIRST AID	
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 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 first 5 minutes, then continue rinsing eye. • 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. For more options, refer to **Category A** on an EPA chemical resistance category selection chart. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (such as Nitrile, Butyl, Neoprene and/or Barrier Laminate)
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and 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 fish and aquatic invertebrates.

DO NOT contaminate water when disposing of equipment washwaters 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. 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.

Storage and Disposal

Storage:

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

- **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 label.

- **Pesticide Disposal:** Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of 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.
- **Container Disposal:** Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In Case of Spill

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 this material is released or spilled:

Dike and contain 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 water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water.

I. General Information

This package contains **BAS 516 ST seed treatment fungicide**, a water dispersible granule (EG). **BAS 516 ST** is a broad spectrum fungicide that provides preventative seed and seedling protection against seed-borne fungi causing seed decay and the soil-borne pathogens *Rhizoctonia solani*, *Penicillium* spp., and *Fusarium* spp. **BAS 516 ST** may be applied in conjunction with application of other registered seed treatment and crop protection products. Make all applications according to the use directions in this label. Use the higher rates of **BAS 516 ST** when disease pressure is expected to be high.

Resistance Management

The active ingredients in **BAS 516 ST**, boscalid and pyraclostrobin, belong to the groups of respiration inhibitors classified by the EPA as **Carboxamides** and **Quinone Outside Inhibitors (QoI)** or **Target Site of Action Group 7** and **Target Site of Action Group 11** fungicides, respectively. Due to the minimal amounts of active ingredient in **BAS 516 ST** applied to the seed that relocate to the upper parts of the plant, the potential for development of resistance to both fungicides is extremely low. Seed treatments of **BAS 516 ST** can, therefore, be followed by foliar use and resistance management guidelines of foliar use fungicides containing boscalid, pyraclostrobin, or both (**Cabrio* EG**, **Endura***, **Headline*** or **Pristine*** fungicides) as specified on the respective labels.

II. Application Instructions

For use on 'crop' seed at commercial treatment facilities. Not for use on farm.

Apply **BAS 516 ST** as a water-based slurry using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the 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 516 ST**. The required amount of **BAS 516 ST** should then be mixed 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 516 ST** 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 2.25. 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 recommended 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 516 ST**. Prepare no more mixture of **BAS 516 ST** than is needed for immediate treating. Add $\frac{3}{4}$ of the required volume of water to the mix tank. With agitation running, add the required amount of **BAS 516 ST** in the tank along with other seed treatment components.

Add the remaining $\frac{1}{4}$ of the required water. Follow the mixing sequence listed below. Agitate thoroughly before and during application.

BAS 516 ST With Tank Mix Partners:

BAS 516 ST mixes easily with water and other water-based seed treatments manufactured by BASF Corporation. When using **BAS 516 ST** 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 516 ST** should not be mixed with any product that prohibits such mixing. All applications should be made according to the use directions.

When mixing **BAS 516 ST seed treatment fungicide** with products from other manufacturers, the compatibility should be tested 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 one 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 $\frac{3}{4}$ of the required amount of water to the mix tank and turn on the agitation. Mechanical agitation is preferred.
2. Follow the following mixing sequence: dye or colorant, wettable powders, soluble powders, flowable formulations, emulsifiable concentrates, and remaining $\frac{1}{4}$ of the required water. The $\frac{1}{4}$ of the required water as the last item for addition to the premix tank can be used as rinse 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: "This seed has been treated with boscalid and pyraclostrobin 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."

III. Crop-Specific Recommendations

Crop	Target Disease	Product Use Rate in oz/100 lb Seed (lb ai/100 lb seed)
Brassica vegetables	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , <i>Phoma lingam</i> and other seed-borne fungi causing seed decay, seedling damping off, including <i>Cladosporium</i> spp., <i>Penicillium</i> spp.)	2.5 - 5 (0.06 - 0.12)
Bulb vegetables	Seed and seedling disease (damping off) caused by seed-borne fungi (<i>Botrytis</i> , <i>Aspergillus</i> and <i>Penicillium</i> spp.) causing seed decay, seedling damping off	2.5 - 5 (0.06 - 0.12)
Cucurbits	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seed-borne fungi causing seed decay, seedling damping off	0.63 - 5 (0.015 - 0.12)
Legume vegetables (Dried shelled peas and beans, except cowpea, field pea, and grain lupin) Broad bean, Chickpea, Fava bean, Guar, Lablab bean, Lentil, Pigeon pea <i>Lupinus</i> spp.: Sweet lupin, White lupin, White sweet lupin <i>Phaseolus</i> spp.: Field bean, Kidney bean, Black bean, Pink bean, Lima bean, Navy bean, Pinto bean, Tepary bean <i>Vigna</i> spp.: Adzuki bean, Black-eyed pea, Catjang, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seed-borne fungi causing seed decay, seedling damping off	0.63 - 2.52 (0.015 - 0.06)
Soybean (<i>Glycine</i> spp.)	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seed-borne fungi causing seed decay, seedling damping off	0.63 - 2.52 (0.015 - 0.06)
Sunflower	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seed-borne fungi causing seed decay, seedling damping off	1.25 - 2.5 (0.03 - 0.06)

8/8

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, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, 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.

***Cabrio, Endura, Headline and Pristine** are registered trademarks of BASF.*

© 2007 BASF Corporation
All rights reserved.

007969-00xxx.20060726c.NVA 2006-04-284-0231

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



The Chemical Company