

7969-274

04-19-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Dr. Khalid H. Akkari
BASF Corporation, Agricultural Products
26 Davis Drive
P.O. Box 13528
Research Triangle Park, NC 27709

APR 19 2011

Dear Dr. Akkari:

SUBJECT: Coronet® Fungicide Seed Treatment
EPA Registration Number 7969-274
Your Submission dated March 31, 2010
OPPIN Decision Number 431290

The labeling referred to above, submitted in connection with registration under section (3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

A stamped copy of the master label and supplemental label are enclosed for your records. If you have any questions, please contact Heather Garvie of my team by phone at (703) 308-0034 or garvie.heather@epa.gov.

Sincerely,

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

Enclosures: Stamped master label
Stamped supplemental label
The seven science assessments associated with this action were emailed to your attention on March 15, 2011

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The Chemical Company

Group **7 11** Fungicide

ACCEPTED
4/19/2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No. 7969-274

CORONET®

FUNGICIDE SEED TREATMENT

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

Active Ingredients*:

pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester) 9.0%

boscalid: 3-pyridinecarboxamide, 2-chloro-N-(4-chloro(1,1'-biphenyl)-2-yl)- . . . 18.0%

Other Ingredients: 73.0%

Total: 100.0%

*Contains 0.83 pound of pyraclostrobin and 1.67 pounds of boscalid per gallon.

EPA Reg. No. 7969-274

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the 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.**

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

Net Contents:

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 to 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 eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. • 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.
HOTLINE NUMBER	
<p>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).</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

A dust-mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter is required when using this product.

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.

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 exists, 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/PPE 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.

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.

For terrestrial uses: 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.

Surface Water Advisory

This product may impact surface water due to runoff of rain water. This is especially true for poorly draining soils

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and soils with shallow ground water.

This product is classified as having moderate potential for reaching both surface water and aquatic sediment via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff of rain water. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

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

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 Handling

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.

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)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- 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.

Product Information

Coronet® fungicide seed treatment, a suspension concentrate (SC), is a broad-spectrum fungicide that provides preventive seed and seedling protection against seed-borne fungi causing seed decay and the soilborne pathogens *Rhizoctonia solani* and *Penicillium* spp.

Coronet may be applied in conjunction with applications 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 **Coronet** when disease pressure is expected to be high.

Resistance Management

The active ingredients in **Coronet**, 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 **Coronet** 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 **Coronet** can, therefore, be followed by foliar use and resistance management guidelines of foliar use fungicides containing boscalid, pyraclostrobin, or both (**Cabrio® EG fungicide**, **Endura® fungicide**, **Headline® fungicide** or **Pristine® fungicide**) as specified on the respective labels.

Application Instructions

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

Apply **Coronet** 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 fl ozs/cwt of seed) for optimum coverage is difficult to predict because 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 required for the crop seed to be treated with **Coronet**. Mix the required amount of **Coronet** with sufficient water to 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 of good quality and well cleaned prior to treatment. The purchaser of **Coronet** 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 required 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 **Coronet**. Prepare no more mixture of **Coronet** 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 **Coronet** in the tank along with other seed treatment components.

Add the remaining 1/4 of the required water. Follow the mixing sequence listed below. Agitate thoroughly before and during application.

Coronet With Tank Mix Partners

Coronet mixes easily with water and other water-based seed treatments manufactured by BASF Corporation. When using **Coronet** 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. **DO NOT** exceed label dosage or application rate, and follow the most restrictive label precautions and limitations. **DO NOT** mix with any product that prohibits such mixing. Make all applications according to the use directions.

When mixing **Coronet** with products from other manufacturers, test 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 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 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.

Seed Container Label Requirements

Seeds commercially treated with **Coronet® fungicide seed treatment** must be labeled in compliance with the Federal Seed Act.

In addition, all bags containing treated seed must be labeled or tagged with the following information:

“This seed has been treated with **Coronet® fungicide seed treatment**, which contains boscalid and pyraclostrobin fungicides. **DO NOT** use treated seed for food, feed or oil purposes. Store away from food and feedstuffs. **DO NOT** allow children, pets, or livestock to have access to treated seeds.

When opening this bag or loading/pouring the treated seed, wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves. After seeds have been planted, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**. **EXCEPTION:** Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or planting media.

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

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

Crop-specific Directions For Use

Crop	Target Disease	Product Use Rate in fl ozs/100 lbs Seed (lb ai/100 lbs seed)
Brassica vegetables	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , <i>Phoma lingam</i> and other seedborne fungi causing seed decay, seedling damping off, including <i>Cladosporium</i> spp., <i>Penicillium</i> spp.	3.1 to 6.2 (0.06 to 0.12)
Bulb vegetables	Seed and seedling disease (damping off) caused by seedborne fungi (<i>Botrytis</i> , <i>Aspergillus</i> and <i>Penicillium</i> spp.) causing seed decay, seedling damping off	3.1 to 6.2 (0.06 to 0.12)
Cotton¹	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seedborne fungi causing seed decay, and seedling damping off	3.1 to 6.2 (0.06 to 0.12)
Cucurbits	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seedborne fungi causing seed decay, seedling damping off	3.1 to 6.2 (0.06 to 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.: Black bean, Field bean, Kidney bean, Lima bean, Navy bean, Pink 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> , seedborne fungi causing seed decay, seedling damping off	0.8 to 3.1 (0.015 to 0.06)
Rapeseed (cultivars, varieties and/or hybrids, including canola and crambe)	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , <i>Phoma lingam</i> and other seedborne fungi causing seed decay and seedling damping off, including <i>Cladosporium</i> spp., <i>Penicillium</i> , spp.	3.1 to 6.2 (0.06 to 0.12)
Soybean (<i>Glycine</i> spp.)	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seedborne fungi causing seed decay, seedling damping off	0.8 to 3.1 (0.015 to 0.06)
Sunflower	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , seedborne fungi causing seed decay, seedling damping off	1.6 to 3.1 (0.03 to 0.06)

¹For control of seed and seedling disease (damping off) caused by *Pythium* spp., use **Coronet® fungicide seed treatment** only in conjunction with labeled rates of mefenoxam- or metalaxyl-containing seed treatment products.

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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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007969-00274.20090909c. **NVA 2009-04-314-0155**

Supersedes: NVA 2007-04-314-0174

Supplemental: NVA 2009-04-314-0156

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



The Chemical Company

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GROUP 7 11 FUNGICIDE

Supplemental Label

CORONET®

FUNGICIDE SEED TREATMENT

For use on rapeseed (cultivars, varieties, and/or hybrids, including canola and crambe)

Active Ingredients*:

pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl] methoxy-, methyl ester)	9.0%
boscalid: 3-pyridinecarboxamide, 2-chloro-N-(4-chloro(1,1'-biphenyl)-2-yl)-	18.0%
Other Ingredients:	73.0%
Total:	100.0%

* Contains 0.83 pound of pyraclostrobin and 1.67 pounds of boscalid per gallon.

EPA Reg. No. 7969-274

Refer to the Coronet® fungicide seed treatment main label, EPA Reg. No. 7969-274, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Coronet container label in possession at the time of pesticide application.

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.

Product Information

Coronet is a broad-spectrum fungicide that provides preventive seed and seedling protection against seedborne fungi causing seed decay and seedling damping off. Coronet may be applied in conjunction with applications 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 Coronet when disease pressure is expected to be high.

Application Instructions

Refer to the Coronet container label for specific seed treatment instructions and seed container labeling requirements.

For use on "crop" seed at commercial treatment facilities. **Not for use on Farm.**

Crop-specific Directions For Use

Crop	Target Disease	Product Use Rate in fl ozs/100 lbs Seed (lb ai/100 lbs seed)
Rapeseed (cultivars, varieties, and/or hybrids, including canola and crambe)	Seed and seedling disease (damping off) caused by <i>Rhizoctonia solani</i> , <i>Phoma lingam</i> and other seedborne fungi causing seed decay and seedling damping off, including <i>Cladosporium</i> spp., and <i>Penicillium</i> spp.	3.1 to 6.2 (0.06 to 0.12)

ACCEPTED
4/19/2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No. 7969-274

BASF
The Chemical Company

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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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