

241-405

04/22/2011

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Joan M. Fisher  
BASF  
26 Davis Drive  
Research Triangle Park, NC 27709

APR 22 2011

Subject: Label Notification; Per PR-Notice 98-10  
Extreme Herbicide  
EPA Reg. No. 241-405  
Date Submitted: March 29, 2011

Dear Ms. Fisher:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 29, 2011 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Jasmine Branch at (703) 347-0351 or [branch.jasmine@epa.gov](mailto:branch.jasmine@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 241-405	2. EPA Product Manager Kable Davis	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Extreme herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF 26 Davis Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  <b>APR 22 2011</b>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Label amendment for Extreme herbicide (241-405) to correct calculation error and adjust other minor formatting issues and readability. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46; and no other changes have been made to the labeling of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 980190 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Jeffrey H. Birk	Title Regulatory Manager	Telephone No. (Include Area Code) 019-547-2622
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<b>Certification</b>		<b>6. Date Application Received</b>  <b>(Stamped)</b>
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		
2. Signature 	3. Title Global Regulatory Manager	
4. Typed Name Joan M. Fisher	5. Date March 29, 2011	



The Chemical Company

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March 28, 2011

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501  
Attn: Mr. Kable Davis

**RE: EXTREME® Herbicide EPA Reg. No. 241-405  
Notification of Error Correction  
Last Approved Last Approved June 1, 2009**

Dear Mr. Davis:

On June 1, 2009, EPA approved amended labeling for Extreme Herbicide (copy attached). BASF Corporation requests an amendment to the EXTREME herbicide main label (EPA Reg. No. 241-405). Revisions to the label include the following:

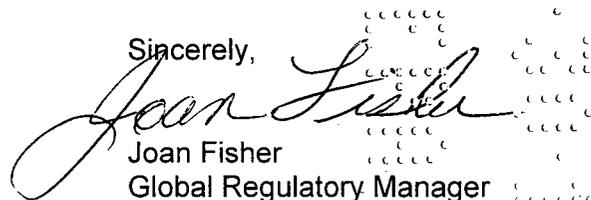
- Page 1: Removed patent number.
- Page 5: Corrected calculation error from 2.0 acres to 3.6 acres.
- Made various formatting and language changes to improve understanding and readability.

In support of this amendment, an application form and a copy of the annotated proposed main label are enclosed.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if this notification is not consistent with the terms of Pr Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I maybe subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Thank you for your assistance with the registration issues of this product. If there are any questions during the review of this application, please contact me at (919) 547-2612.

Sincerely,

  
Joan Fisher  
Global Regulatory Manager  
Global Regulatory Affairs

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Highlighted label compared to last EPA accepted label dated, June 1, 2009.



**NOTIFICATION**

**APR 22 2011**



**For use on Roundup Ready® soybeans**

**Active Ingredients:**

<b>Imazethapyr:</b> (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid . . . . .	1.80%
<b>glyphosate:</b> N-(phosphonomethyl)glycine, in the form of its isopropylamine salt . . . . .	22.00%
<b>Other Ingredients:</b> . . . . .	<u>76.20%</u>
<b>Total:</b> . . . . .	100.00%

Contains 2.17 pounds of active ingredient per gallon (0.17 pound acid equivalent of imazethapyr and 2 pounds of glyphosate as the isopropylamine salt).

Removed patent number. →

**EPA Reg. No. 241-405**

**EPA Est. No.**

**KEEP OUT OF REACH OF CHILDREN**

**WARNING/AVISO**

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, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

**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

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.</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 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<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>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li> </ul>
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>HOTLINE NUMBER</b>	
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**

**WARNING.** Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin.

#### **Personal Protective Equipment (PPE)**

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for **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, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils, or nitrile rubber ≥ 14 mils
- Shoes plus socks
- Protective eyewear

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

#### **Environmental Hazards**

**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.

#### **Groundwater Advisory and Proper Handling Instructions**

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sinkholes, perennial or intermittent streams and rivers, and natural or impounded lakes or reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times.

The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

**DO NOT** apply this product through any type of irrigation system.

Product must be used in a manner which will prevent back-siphoning in wells, spills or improper disposal of excess pesticide spray mixture.

**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.

This label must be in the possession of the user at the time of herbicide application.

**Not for sale or use on Long Island, New York.**

**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 **48 hours**.

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 plant, soil, or water, is:

- Coveralls
- Protective eyewear
- Chemical-resistant gloves, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils, or nitrile rubber ≥ 14 mils
- Shoes plus socks

**STORAGE AND DISPOSAL**

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

**Pesticide Storage**

**Extreme® herbicide** is stable under conditions of freezing and thawing. Shake well before using. Keep containers closed to avoid spills and contamination.

(continued)

**STORAGE AND DISPOSAL (continued)**

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on-site or at an approved disposal facility.

**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.

**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.

**Refillable Container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. 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.

**Triple rinse as follows:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(continued)

Was "Container Disposal".

**STORAGE AND DISPOSAL** (continued)

**Container Handling** (continued)

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

**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 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.

**Roundup Ready Soybeans (glyphosate-resistant)**

**Extreme** may also be applied for postemergence weed control in **Roundup Ready** soybeans. Apply **Extreme** for general weed burndown and season-long control of broadleaf and grass weeds.

For season-long control of grasses, apply **Prowl® 3.3 EC herbicide** or **Prowl® H<sub>2</sub>O herbicide** prior to planting soybeans. **Prowl 3.3 EC** will also enhance control of waterhemp. A postemergence application of **Extreme** will control any escaped weeds and provide season-long control of most broadleaf and grass weeds.

When mixing **Extreme** with 2,4-D, or **Prowl 3.3 EC** or **Prowl H<sub>2</sub>O**, always use in accordance with the more restrictive label limitations and precautions. **DO NOT** exceed label dosage rates. **DO NOT** mix **Extreme** with any product containing a label prohibition against such mixing.

When organophosphate (such as chlorpyrifos) or carbamate insecticides are tank mixed with **Extreme**, temporary injury may result to the treated crops.

**NOTE: DO NOT apply Extreme postemergence to non-glyphosate-resistant soybeans.**

**Fall Applications in a Planned Sequential Program on Roundup Ready Soybeans**

Apply **Extreme** after fall harvest and prior to ground freeze-up in the winter. Fall applications of **Extreme** will control existing weeds and provide residual control of winter annual weeds and early spring germinating weeds in soybeans. Soybeans must be planted in the spring following the fall application of **Extreme**. If weeds emerge in season, other registered soybean products may be applied postemergence for weed control.

**NOTE:** For fall applications of **Extreme**, base the rotational crop intervals on the date of soybean planting, not the date of herbicide application.

**Fall or Spring Burndown Application in a Planned Sequential Program with Lightning® herbicide applied to CLEARFIELD® corn (Kentucky and Tennessee, and south of Interstate 70 in Indiana only)**

**Extreme** may be applied as a fall or spring burndown application prior to planting **CLEARFIELD** corn and/or prior to using **Lightning** in-crop to **CLEARFIELD** corn. **DO NOT** apply **Extreme** to emerged **CLEARFIELD** corn, or crop injury will occur.

**NOTE: DO NOT** apply **COUNTER® 15G** insecticide to preplant **CLEARFIELD** corn acres treated with **Extreme** or crop injury can occur.

**DO NOT** plant wheat in the same year as application of **Extreme** followed by **Lightning**, unless at least 10 inches of rainfall or overhead irrigation has occurred between application of **Extreme** and planting of wheat.

**NOTE:** Severe injury or plant death may result if **Extreme** contacts foliage of desirable plants. To prevent injury to

Was "General Information".

**Product Information**

**Extreme® herbicide** provides burndown and residual control of many broadleaf and grassy weeds in soybeans. It can be applied to no-till soybeans as a burndown prior to planting. It may also be applied postemergence to **Roundup Ready®** soybeans for season-long weed control. **Extreme** is effective for control of difficult weeds common to no-till production, including marestalk.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following an **Extreme** application. These effects occur infrequently and are usually temporary.

**Burndown Weed Control (no-till soybeans and stale seedbed)**

Apply **Extreme** for burndown of weeds in no-till soybeans. It may be applied prior to planting or preemergence of any soybean variety (including **Roundup Ready** or non-**Roundup Ready** soybeans). Add 2,4-D to the spray tank for enhanced control of perennial weeds including marestalk and hemp dogbane.

desirable plants and crops, **DO NOT** allow spray drift to occur.

**DO NOT** allow the herbicide solution to drift onto desirable vegetation. Very small amounts of drift may cause injury or death to desirable crops or plants. The likelihood of injury from use of this product increases when winds are gusty. The risk of injury from this product increases when wind direction is constantly changing or during inversion conditions or other weather conditions that favor drift. Avoid applications using high spray pressure and high speed. These contribute to conditions that favor small spray droplets and drift.

**RATES**

Only one application of **Extreme® herbicide** may be made during the season. **DO NOT** exceed 3.0 pts/A of **Extreme**.

**Burndown Weed Control (no-till soybeans and stale seedbed)**

Apply **Extreme** at 3 pts/A. One gallon of **Extreme** will treat 2.7 acres of soybeans at this rate.

**Roundup Ready® Soybeans (glyphosate-resistant; in-crop postemergence weed control)**

To minimize weed competition to the soybeans, apply to weeds 1 to 8 inches high. Apply **Extreme** at 3 pts/A. One gallon of **Extreme** will treat 2.7 acres of soybeans at this rate.

**Fall Applications in a Planned Sequential Program on Roundup Ready Soybeans**

Apply **Extreme** at 3 pts/A. One gallon of **Extreme** will treat 2.7 acres at this rate.

**Fall or Spring Burndown Application in a Planned Sequential Program with Lightning® herbicide applied to CLEARFIELD® corn (Kentucky and Tennessee, and south of Interstate 70 in Indiana only)**

Apply **Extreme** at 3 pts/A. One gallon of **Extreme** will treat 2.7 acres at this rate.

**Roundup Ready Soybeans (only in North Dakota and north of Highway #210 in Minnesota)**

Apply **Extreme** at 2.25 pts/A. **DO NOT** exceed 2.25 pts/A. One gallon of **Extreme** will treat 3.6 acres at this rate.

**MIXING INSTRUCTIONS**

Burndown or postemergence applications of **Extreme** require the addition of a surfactant **AND** fertilizer.

**SURFACTANTS.** Use a nonionic surfactant containing at least 80% active ingredient. Apply the surfactant at 1 pint per 100 gallons of spray mixture (0.125% volume/volume (v/v) of the spray mixture). Use only surfactants approved for application to growing crops.

**AND**

**FERTILIZER.** Include a fertilizer in the spray solution. Add spray grade ammonium sulfate at 8.5 to 17 lbs per

100 gallons of spray solution. Use the higher rate when weeds are under moisture or temperature stress.

When mixing **Extreme**, while agitating, add components in the following order:

1. Fill spray tank 1/2 full with clean water.
2. Add fertilizer.
3. Add **Extreme** and thoroughly mix.
4. Add surfactant to the spray tank.
5. While agitating, fill the remainder of the tank with water.

**DRIFT CONTROL ADDITIVES**

Drift control additives may be included in either ground or aerial applications. When a drift control agent is used, read and carefully observe the precautionary statements and all other information appearing on the additive label.

To avoid injury to sensitive crops, drain spray equipment used for **Extreme** applications and thoroughly clean with water before applying other products.

When **Extreme** is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions. **DO NOT** exceed label dosages. **DO NOT** mix **Extreme** with any product containing a label prohibiting such mixtures.

**SPRAYING INSTRUCTIONS**

**DO NOT** apply when winds are gusty, under low-level inversion conditions or under other conditions that favor drift. Maintain appropriate buffer zones between treated fields and adjacent desirable vegetation. Exposed leaves or other green tissue may be damaged or killed by drift from **Extreme**.

**Ground Application**

Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. A spray pressure of 20 to 40 psi is recommended.

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying **Extreme** to minimum or no-till crops. Use higher gallonage for fields with dense vegetation or heavy crop residues. Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's recommendation). Use only flat-fan nozzle tips for postemergence applications.

Avoid overlaps when spraying.

**Extreme Applications with a Low-volume Sprayer.**

**Extreme** may be applied to soybeans with a low-volume sprayer. When applying **Extreme** with a low-volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying **Extreme** with a low-volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a

Corrected typo:  
Pints/A conversion  
to 1 gallon  
coverage amount.  
Was "2.0"

nozzle pressure between 40 to 60 psi for optimum coverage. Lower nozzle pressure will minimize the potential for drift to desirable vegetation.

**Aerial Application**

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applied **postemergence**, the addition of a nonionic surfactant **AND** fertilizer solution are required for optimum weed control. Apply a nonionic surfactant at 0.125% v/v of spray solution **AND** ammonium sulfate at 2.5 lbs/A. See **Postemergence** instructions in **APPLICATION INFORMATION** section.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-related and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements **DO NOT** apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.

Observe more stringent state regulations, if applicable.

The applicator should be familiar with and take into account the information covered in the aerial drift reduction advisory information presented below.

**INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see **WIND**; **TEMPERATURE AND HUMIDITY**; and **TEMPERATURE INVERSIONS**).

**CONTROLLING DROPLET SIZE:**

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - **DO NOT** exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended

practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**BOOM LENGTH**

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

**APPLICATION HEIGHT**

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**SWATH ADJUSTMENT**

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

**WIND**

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential.

**NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**TEMPERATURE AND HUMIDITY**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light-to-no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Alphabetized weed list.

**SENSITIVE AREAS**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Applicator is responsible for any loss or damage which results from spraying **Extreme® herbicide** in a manner other than specified in this label. In addition, applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

**APPLICATION INFORMATION**

**Postemergence**

**Extreme** is effective in controlling weeds in conservation tillage as well as in conventional production systems. Apply **Extreme** as a postemergence treatment. Base application timing on weed size and not crop growth stage. Apply **Extreme** to crops and weeds that are actively growing.

A nonionic surfactant and a nitrogen-based fertilizer must be added to the spray solution for optimum weed control activity. See the **SURFACTANTS** section under **MIXING INSTRUCTIONS** for specific instructions.

When **Extreme** is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. **Extreme** not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides control of susceptible weeds that may emerge after application.

For maximum weed control, cultivate 7 to 10 days following a postemergence **Extreme** application. This timely cultivation will enhance residual weed control, especially under dry conditions.

**Extreme** should be applied a minimum of 1 hour before rainfall or overhead irrigation.

Unusually cool temperatures (50° F or less) reduce photosynthesis and transpiration and, thus, reduce uptake, translocation, and efficacy of **Extreme** herbicide in weeds.

If air temperature has been below 50° F for 10 or more hours, delay an **Extreme** application for 48 hours after the temperature increases above 50° F to improve weed control and reduce crop response.

**No-till/Minimum Tillage and Double Crop Soybeans**

**Extreme** controls existing weeds and provides residual control of most weeds when applied early postemergence to soybeans in no-till or minimum tillage and double crop soybean production systems. Apply **Extreme** before or after crop emergence. Refer to the **Weeds Controlled** chart for weeds controlled and recommended weed size.

The addition of **Prowl® 3.3 EC herbicide** or **Prowl® H<sub>2</sub>O herbicide** in a tank mixture with **Extreme** for burndown weed control will provide season-long control of grass weeds and enhance control of waterhemp.

For improved burndown weed control, **Extreme** may be tank mixed with 2,4-D. Refer to the 2,4-D label for application rates and intervals between application and planting.

**Weeds Controlled**

	Maximum Size (inches)
<b>Broadleaf Weeds</b>	
Alligator weed	5
Amaranth, Palmer	12
Anoda, spurred	3
Artichoke Jerusalem	8
Bristly starbur	3
Buckwheat, wild	4
Buffalobur	5
Burcucumber	12
Carpetweed	18
Chickweed	18
Cocklebur, common	18
Copperleaf	
hophornbeam	2
Virginia	2
Corn (volunteer - non-Roundup Ready®)	20
Eclipta	8
Fieabane	
annual	8
hairy	8
rough	6
Hemp sesbania	2
Horseweed/Marestail	12
Jimsonweed	6
Knotweed	8
Kochia	12
Lambsquarters, common	8
Marshelder	5
Morningglory, annual	
Ipomea spp.	4
Mustard spp.	18
Nightshade	
black	12
Eastern black	12
hairy	12
Pigweed	
redroot	18
smooth	18
spiny	18
Ragweed	
common	9
giant	9
Sicklepod	3

(continued)

Alphabetized weed list.

Weeds Controlled <i>(continued)</i>	Maximum Size (inches)
<b>Broadleaf Weeds</b> <i>(continued)</i>	
Smartweed	
ladysthumb	6
Pennsylvania	6
Spurge	
prostrate	12
spotted	12
Sunflower	18
Teaweed/Prickly sida	2
Velvetleaf	5
Waterhemp	12
<b>Grass Weeds</b>	
Barley (volunteer)	12
Barnyardgrass	6
Crabgrass	
large	12
smooth	12
Cupgrass, woolly	12
Foxtail	
giant	18
green	18
yellow	18
Goosegrass	5
Johnsongrass	
rhizome	12
seedling	12
Oats (volunteer)	12
Panicum	
browntop	12
fall	12
Texas	12
Red rice	4
Rye	18
Shattercane	18
Signalgrass, broadleaf	8
Sorghum, alnum	4
Sprangletop	12
Wheat (volunteer)	18
Wild oats	12
<b>Sedges</b>	
Nutsedge	
purple	3*
yellow	3*

\*Reduced competition

**ROTATIONAL CROP RESTRICTIONS**

The following rotational crops may be planted after applying **Extreme® herbicide** at the specified rate. Planting earlier than the specified interval may result in crop injury.

**NOTE:** See **EXCEPTIONS TO ROTATIONAL CROP RESTRICTIONS** following these guidelines.

**Anytime**

- CLEARFIELD®** corn seed hybrids (resistant/tolerant to **Pursuit® herbicide**)
- Lima beans
- Peanuts
- Peas
- Southern peas
- Soybeans

Repeated referral statement from above & next page: 'Exceptions To Rotational...'

**Two Months after Extreme** application

- Snap beans

**Four Months after Extreme** application

- Barley (select states; see **EXCEPTIONS TO ROTATIONAL CROP RESTRICTIONS**)
- Rye (except in North Dakota and Minnesota north of highway 210)
- Wheat (**3 Months** after **Extreme** application east of I-35)
- Alfalfa
- CLEARFIELD** wheat
- Clover
- Edible beans (other than lima beans)

**Eight and one-half Months after Extreme** application

- Field corn
- Field corn grown for seed

**Nine and one-half Months after Extreme** application

- Barley (except in North Dakota)
- Tobacco

**Twelve Months after Extreme** application

- CLEARFIELD** canola varieties (tolerant to **Pursuit**)

**Eighteen Months after Extreme** application

- Barley (North Dakota; see **EXCEPTIONS TO ROTATIONAL CROP RESTRICTIONS**)
- Rye in North Dakota and Minnesota north of highway 210
- Cotton
- Safflower
- Lettuce
- Sorghum
- Oats
- Sunflower
- Popcorn
- Sweet corn

**Twenty-six Months after Extreme** application

- Flax
- Potatoes

**Forty Months after Extreme** application

All crops not listed elsewhere in the **ROTATIONAL CROP RESTRICTIONS\***

\*Following forty months after an **Extreme** application, and before planting any crop not listed elsewhere in the **ROTATIONAL CROP RESTRICTIONS**, a successful field bioassay must be completed.

The field bioassay consists of a test strip of the intended rotational crop planted across the previously treated field and grown to maturity.

The test strip should include low areas and knolls, and include variations in soil such as type and pH. If no crop injury is evident in the test strip, the intended rotational crop may be planted the following year.

Sugar beet production can be reduced when grown in soil conditions with a pH less than 6.5. If the field is limed to adjust pH prior to planting rotational crops not listed in the **ROTATIONAL CROP RESTRICTIONS**, apply the lime at least 12 months prior to planting the rotational crop.

Use of **Extreme® herbicide** in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

**EXCEPTIONS TO ROTATIONAL CROP RESTRICTIONS**

**BARLEY**

**Delaware, Indiana, Kentucky, Maryland, New Jersey, Ohio, Pennsylvania, and Virginia only.** Barley may be planted 4 months following an **Extreme** application in these states.

**BARLEY**

**North Dakota only.** Barley may be planted 18 months following an **Extreme** application in North Dakota.

**CORN INBRED LINES**

Corn inbred seed lines may be planted the year following an application of **Extreme**. Several seed companies have tested a wide range of inbreds for sensitivity to **Extreme** soil residues and have reported good crop safety. However, due to the proprietary nature of seed production, BASF has not been given access to the inbred data.

Growers are directed to contact the seed company for information and recommendations regarding planting corn grown for seed in fields treated with **Extreme** the previous year. Since growing conditions, environmental conditions and grower practices are beyond the control of BASF, **ALL RISKS AND CONSEQUENCES ASSOCIATED WITH PLANTING SEED CORN INBREDS INTO FIELDS TREATED PREVIOUSLY WITH Extreme SHALL BE ASSUMED BY THE USER.**

**SWEET CORN AND POPCORN VARIETIES**

**Illinois, Indiana, Iowa, Minnesota, Ohio, Tennessee, and Wisconsin only.** Sweet corn and popcorn varieties may be planted the year following an application of **Extreme**. Some sweet corn and popcorn varieties may be injured when planted at less than 18 months following an application of **Extreme**. Before planting sweet corn for processing, contact the processor company for information and guidance regarding the tolerance of sweet corn varieties planned for fields treated with **Extreme** the previous year. **DO NOT** plant fresh market sweet corn varieties prior to 18 months after **Extreme** use. Before planting popcorn, contact the popcorn company for information and guidance regarding the tolerance of popcorn varieties planned for fields treated with **Extreme** the previous year.

Since growing conditions, environmental conditions and grower practices are beyond the control of BASF, **ALL RISKS AND CONSEQUENCES ASSOCIATED WITH PLANTING SWEET CORN OR POPCORN VARIETIES**

**INTO FIELDS TREATED PREVIOUSLY WITH Extreme SHALL BE ASSUMED BY THE USER.**

Stunting and maturity delay or other adverse effects may result when sweet corn or popcorn are planted following **Extreme** use.

**SELECT CROPS**

**Alabama, Delaware, Florida, Georgia, Kentucky, Indiana, Maryland, New Jersey, North Carolina, Pennsylvania, South Carolina, and Virginia only.** The following crops may be planted 18 months following the last application of **Extreme**:

Bahiagrass, cabbage, cantaloupe, cucumber, Irish potato, onion, sweet pepper transplants, sweet potato transplants, tomato transplants, and watermelon.

**WHEAT**

Wheat may be planted 3 months following an **Extreme** application in areas east of Interstate Highway I-35.

**NON-CLEARFIELD® WHEAT**

Rotational Interval based on pH, Moisture and Tillage (North Dakota)		Moldboard Plowing	
		NO	YES
pH and Rainfall Requirements	>10 inches R+1 AND pH >6.2	4 months	4 months
	<10 inches R+1 OR pH <6.2	15 months	4 months

**R+1** = Rainfall and overhead irrigation from the time of **Extreme** application up until time of wheat planting. **Does not include furrow or flood irrigation.**

If the rainfall or pH requirements are not fully met, and non-CLEARFIELD wheat is planted prior to the specified rotation interval, injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

The possibility of injury to non-CLEARFIELD wheat planted the next season increases if **less than normal precipitation occurs within the first two months after Extreme application.**

**SOYBEAN PRECAUTIONS**

- **DO NOT** harvest soybeans for at least 85 days after **Extreme** application.
- **DO NOT** graze or feed treated soybean forage, hay or straw to livestock.
- If soybeans are furrow irrigated, till the soil prior to planting winter wheat or barley. Break up beds and mix the soil with tillage equipment set to cut 4 to 6 inches deep.
- Make **Extreme** applications before soybean bloom.
- Make only one application of **Extreme** per soybean growing season.

Switched order.

**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 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 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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**Uses With Other Products (Tank Mixes)**

If this product is used in combination with any other product except as specifically recommended in writing by BASF, then BASF shall have no liability for any loss, damage or injury arising out of its use in any such combination not so specifically recommended. If used in combination recommended by BASF, the liability of BASF shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the BASF product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the BASF product.

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BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709



The Chemical Company