



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MAR 21 2008

Jeffery H. Birk, Ph.D.  
Regulatory Manager  
BASF  
26 Davis Drive  
Research Triangle Park, NC 27709

RE: Notification of Supplemental Label for Beyond Herbicide for use in Clearfield Lentil  
EPA Registration Number: 241-379  
Date of Submission: February 12, 2008

Dear Dr. Birk:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated February 12, 2008, for the product, Raptor Herbicide. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall 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, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

2/19



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 241-379	2. EPA Product Manager James Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Raptor 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 checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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.)

Notification of supplemental label for Beyond herbicide (241-379) for use in Clearfield Lentil. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula 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 violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. notification is not subject to a fee under PRIA. Contact Jeff Birk at 919-547-2622 (phone), 919-547-2850 (fax) or by Email at jeffrey.birk@basf.com

**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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> 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) 919-547-2622
Certification 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.		6. Date Application Received (Stamped)
Signature 	3. Title Regulatory Manager	
4. Typed Name Jeffrey H. Birk	5. Date February 12, 2008	

# Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
241-379	2-12-08	000241-00379.20080212.NVA 2008-04-191-0036

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

  
 \_\_\_\_\_  
 Signature

02/12/2008  
 \_\_\_\_\_  
 Date

Jeffrey H. Birk  
 \_\_\_\_\_  
 Name (typed)

Regulatory Manager  
 \_\_\_\_\_  
 Title



The Chemical Company

February 12, 2008

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7505P)  
Document Processing Desk 7504P (NOTIF)  
Room S-4900  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202  
Attention: Mr. James Tompkins, (PM 25)

RE: **Notification:** Raptor herbicide (241-379)  
Clearfield Lentil supplemental labeling

Dear Mr. Tompkins:

BASF is submitting a **Notification** for the printing of a supplemental label containing the recently approved use directions for Raptor herbicide on Clearfield Lentil. This supplemental labeling is taken directly from the Clearfield Lentil use directions contained within the full label, approved on September 20, 2007. The supplemental label will provide growers with access to the new use until the full label can be produced on the product container. For this reason an expiration date of December 31, 2009 has been included on the supplemental label.

This labeling is being printed using the Beyond herbicide, alternate tradename for Raptor herbicide.

This notification includes the following:

- EPA Application form 8570-1
- Electronic copy of the supplemental labeling
- Certification with Respect to Label Integrity
- Beyond supplemental label for use in Clearfield Lentils
- Current approved Raptor herbicidelabel

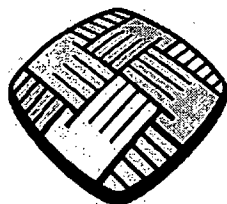
Thank you for your attention to this matter. If you should have any questions, please feel free to call me at (919) 547-2622.

Regards,

Jeffrey H. Birk, Ph.D.  
Regulatory Manager  
Phone 919-547-2622  
Fax: 919-547-2850  
Email: jeffrey.birk@basf.com



The Chemical Company



# BEYOND

HERBICIDE | CLEARFIELD® PRODUCTION SYSTEM

## Supplemental Label

### For use in CLEARFIELD® lentil

### Expires December 31, 2009

EPA Reg. No. 241-379

**Active Ingredient:**

ammonium salt of imazamox: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid\* ..... 12.1%

**Other Ingredients:** ..... 87.9%

**Total:** ..... 100.0%

\* Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid.  
(1 gallon contains 1.0 pound of active ingredient as the free acid.)

**OBSERVE AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, FIRST AID, WORKER PROTECTION STANDARD REQUIREMENTS, PRECAUTIONARY STATEMENTS AND MIXING AND APPLICATION INSTRUCTIONS ON THE BEYOND® HERBICIDE CONTAINER LABEL BEFORE USING.**

#### Directions For Use

Read the label affixed to the **Beyond** container before applying. Use of **Beyond** according to this supplemental labeling is subject to the use precautions and limitations imposed by the label affixed to the **Beyond** container.

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

**Beyond** is effective in controlling weeds in conservation and conventional tillage production systems. **Beyond** can be applied early postemergence in **CLEARFIELD®** lentil (imidazolinone-tolerant lentil) varieties. Apply only on selected lentil varieties labeled as "**CLEARFIELD**" and warranted by the seed supplier to possess tolerance to direct application of **Beyond**.

**DO NOT** apply **Beyond** to lentil varieties that lack resistance/tolerance to **Beyond**. Contact your seed supplier, chemical dealer, or BASF to obtain information regarding **CLEARFIELD** lentil varieties. Refer to the specific treatment under the **SPRAYING INSTRUCTIONS** section of the container label.

Apply **Beyond** as an early postemergence treatment when weeds are actively growing and before broadleaf weeds exceed a height of 3 inches and grasses exceed 4 to 5 leaves (unless otherwise indicated, refer to weed control tables for specific weed sizes). Under conditions of cold temperatures (less than 50°F maximum daytime temperature), weed control may be less than optimal. Make application when the majority of weeds are at the specified growth stage.

When adequate soil moisture is present, **Beyond** will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Occasionally, reduction in plant height or temporary yellowing of crop plants may occur following **Beyond** applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects are temporary. Normal growth and appearance should resume within 1 to 2 weeks.

For best weed control and to provide the highest crop competitive advantage, apply **Beyond** to actively growing **CLEARFIELD** lentil. Plant a locally adapted **CLEARFIELD** lentil variety at the normal seeding rate for your geography. Apply to lentils at the 2- to 6-leaf stage.

**Beyond® herbicide Application Timing for Lentil**

Apply **Beyond** at the following crop and weed stages of growth:

<b>CLEARFIELD® lentil</b>	<b>2- to 6-leaf stage</b>
Broadleaf weeds	Refer to weed control tables for specific weed sizes.
Grass weeds	

**Use Rate**

Apply **Beyond** postemergence at a rate of 0.031 to 0.047 lb imazamox ae/acre (4 to 6 ozs **Beyond**/acre). At this rate, 1 gallon of **Beyond** will treat 21.3 to 32 acres of **CLEARFIELD** lentils. It is recommended that a registered soil-applied grass herbicide like **Prowl® 3.3 EC** herbicide be used prior to use of **Beyond**.

A nonionic surfactant **AND** nitrogen-based fertilizer **must** be added to the spray solution for optimum weed control activity. See the **ADJUVANTS** section under **MIXING INSTRUCTIONS** on the **Beyond** container label for specific instructions.

**Crop-Specific Restrictions and Limitations**

**DO NOT** apply more than 0.047 lb imazamox ae/acre (6 ozs **Beyond**/acre) during the growing season.

<b>Broadleaf Weeds Controlled by Beyond Alone, or in a Sequential<sup>1</sup> Program</b>		
	<b>Application Rate</b>	
	<b>Beyond Postemergence Alone</b>	<b>Prowl 3.3 EC Soil-applied followed by Beyond<sup>1</sup> Postemergence</b>
	<b>4 to 6 ozs/A</b>	<b>4 to 6 ozs/A</b>
	<b>Maximum Weed Size (inches)</b>	
Beet, wild	3	3
Canola, volunteer (non-CLEARFIELD)	3	3
Chickweed, common	3	3-5
Cocklebur, common	3	3
Flixweed	3	3
Jimsonweed	3	3-6
Knotweed, prostrate	3	3
Kochia <sup>2</sup>		1-4
Lambsquarters, common	3	3-5
Mallow, common	3	3
Venice	1	1
Marshelder	4	4
Mustard spp.	2-8	2-8
Nightshade, black	2-5	2-5
Eastern black hairy	2-5	2-5
Pennycress, field	3	3
Pigweed, redroot	3	3-8
smooth	3	3-8
spiny	3	3-5
Puncturevine		1-3
Purslane, common		1-3
Radish, wild	3	3-4
Shepherdspurse	3	3
Smartweed, ladysthumb	2-5	2-5
Pennsylvania	2-5	2-5
Spurge, prostrate		3-4
Sunflower, wild or volunteer (non-CLEARFIELD)	2-6	2-6
Tansymustard	3	3
Velvetleaf	3	3-8

<sup>1</sup> Soil-applied grass herbicide, such as **Prowl 3.3 EC**, is followed by a postemergence application of **Beyond** at a broadcast rate of 4 to 6 fl ozs/acre.

<sup>2</sup> Control of light-to-moderate populations of ALS-susceptible biotypes only.

**Broadleaf Weeds Suppressed by Beyond® herbicide Alone, or in a Sequential<sup>1</sup> Program**

	Application Rate	
	Beyond Postemergence Alone	Prowl® 3.3 EC herbicide Soil-applied followed by Beyond <sup>1</sup> Postemergence
	4 to 6 ozs/A	4 to 6 ozs/A
Maximum Weed Size (inches)		
Bindweed, field (seedling)	2-4	2-4
hedge (seedling)	2-4	2-4
Buckwheat, wild	1-3	1-3
Dandelion	3	3
Flax	2	2
Knotweed, prostrate	3	3
Lettuce, miner's	3	3
Mallow, Venice		1-4
Morningglory, entireleaf	3	3
ivyleaf	3	3
smallflower	3	3
tall	3	3
Ragweed, common	3	3
giant	3	3
Rocket, London	3	3
yellow	3	3
Spurge, prostrate	3	
Sowthistle, annual	2-4	2-4
Thistle, Canada	2-5	2-5
Russian (non-ALS-resistant) <sup>2</sup>	3	3

<sup>1</sup> Soil-applied grass herbicide, such as Prowl 3.3 EC, is followed by a postemergence application of Beyond at a broadcast rate of 4 to 6 fl ozs/acre.

<sup>2</sup> Control of light-to-moderate populations of ALS-susceptible biotypes only.

**Grass Weeds Controlled by Beyond Alone, or in a Sequential<sup>1</sup> Program**

	Application Rate	
	Beyond Postemergence Alone	Prowl 3.3 EC Soil-applied followed by Beyond <sup>1</sup> Postemergence
	4 to 6 ozs/A	4 to 6 ozs/A
Number of Leaves (maximum tillers)		
Barley, wild	2-4	2-4
Barnyardgrass	3 <sup>2</sup>	3-5
Blackgrass	1-4 (1)	1-4 (1)
Brome, cheat	1-5 (2)	1-5 (2)
downy	1-5 (2)	1-5 (2)
Japanese	1-5 (2)	1-5 (2)
Canarygrass, littleseed	1-5 (2)	1-5 (2)
Cereals, volunteer (non-CLEARFIELD®)	1-6 (3)	1-6 (3)
Crabgrass, large		1-4
smooth		1-4
Cupgrass, woolly <sup>3</sup>		1-4
Darnel, Persian	1-5 (2)	1-5 (2)
Foxtail, giant	1-6 (2)	1-6 (2)
green	1-6 (1)	1-6 (1)
yellow	1-6 (1)	1-6 (1)
Goosegrass		1-4 (1)
Goatgrass, jointed	1-5 (2)	1-5 (2)
Millet, wild proso	2-4 <sup>2</sup>	2-4
Oats, wild	1-5 (2)	1-5 (2)
Panicum, fall	1-5	1-5
Texas		1-5
Rescuegrass	1-4 (1)	
Rye, feral or cereal	1-4 (1)	1-4 (1)
Ryegrass, Italian	1-4 (1)	1-4 (1)
Sandbur, field <sup>3</sup>		2-5
Shattercane	2-8	2-8
Signalgrass, broadleaf	2-5 <sup>2</sup>	2-5
Stinkgrass		2-4
Witchgrass		2-5

<sup>1</sup> Soil-applied grass herbicide, such as Prowl 3.3 EC, is followed by a postemergence application of Beyond at a broadcast rate of 4 to 6 fl ozs/acre.

<sup>2</sup> Control of light-to-moderate populations only. For control of heavier populations, use a sequential application with a soil-applied grass herbicide, as described above.

<sup>3</sup> For control, a dinitroaniline (DNA) herbicide, such as Prowl 3.3 EC, must be soil-applied at a full labeled rate.

Grass Weeds and Sedges Suppressed by Beyond <sup>®</sup> herbicide Alone, or in a Sequential Program		
Application Rate		
	Beyond Postemergence Alone	Prowl <sup>®</sup> 3.3 EC herbicide Soil-applied followed by Beyond <sup>1</sup> Postemergence
	4 to 6 ozs/A	4 to 6 ozs/A
Number of Leaves (maximum tillers)		
<b>GRASSES</b>		
Corn, volunteer (non-CLEARFIELD)		1-4 (1)
Crabgrass,		
large	1-4 (1)	
smooth	1-4 (1)	
Cupgrass, woolly	1-3	
Goosegrass	1-3	
Itchgrass		2-5
Quackgrass		4-8
Stinkgrass	2-4	
<b>SEDGES</b>		
Nutsedge,		
purple	1-3	1-3
yellow	1-3	1-3
<sup>1</sup> Soil-applied grass herbicide, such as Prowl 3.3 EC, is followed by a postemergence application of Beyond at a broadcast rate of 4 to 6 fl ozs/acre.		



**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, 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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