

241-439

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

EPA Reg. Number:

241-439

Date of Issuance:

JAN - 5 2010

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

**Clearcast 2.7G**

**Name and Address of Registrant (include ZIP Code):**

<b>BASF Corporation</b>	<b>c/o Landis International, Inc.</b>
<b>P.O. Box 13528</b>	<b>P.O. Box 5126</b>
<b>26 Davis Drive</b>	<b>3185 Madison Highway</b>
<b>Research Triangle Park, NC 27709</b>	<b>Valdosta, GA 31603</b>

~~Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.~~

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Submit Oxidation/Reduction Study (Guideline 830.6314) within six months from the date of this notice.
3. Make the following label changes:
  - a. Change the EPA Reg. No. to "241-439".
  - b. Change the First Aid section so that the "If in eyes" statement is listed first. The "If on skin or clothing" and "If inhaled" statements are optional and may be removed.
  - c. Change the Hazards to Humans and Domestic Animals statement to read "CAUTION Causes moderate eye irritation. Avoid contact with eyes or clothing."
  - d. It is recommended that the Storage and Disposal section be placed in a box for prominence.

Continued on Page 2

Signature of Approving Official:

Jim Tompkins  
 Product Manager 25  
 Herbicide Branch  
 Registration Division (7505P)

Date:

JAN - 5 2010

- e. Add the statement "Do not contaminate water, food, or feed by storage and disposal." directly below the Storage and Disposal heading.
- f. Revise the Pesticide Storage section by removing the existing statement and inserting pertinent text.
- g. Revise the Pesticide Disposal statement to read "Wastes resulting from the use of this product **must** be disposed of on site or at an approved waste disposal facility."
- h. Due to the importance of resistance management to a long-term pest-management strategy, it is suggested that resistance management grouping symbols and statements be included on the labeling as described in PR Notice 2001-5.
- i. Remove the heading "General Limitations" under Restrictions and Limitations section.
- j. On page 5, revise the heading from "Submerged Species Controlled with Water-injected Applications" to "Submerged Species Controlled with Clearcast 2.7G herbicide."

The basic confidential statement of formula (CSF) dated December 4, 2008 is acceptable.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the revised final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this notice or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

# CLEARCAST<sup>®</sup> 2.7G

herbicide

For the control of vegetation in aquatic sites

**Active Ingredient:**

imazamox: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-

5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid\*

**Other Ingredients:**

**Total:**

.....	2.7%
.....	97.3%
.....	100.0%

\*Equivalent to 0.135 pound active ingredient as the free acid per five pounds product.

US Patent No. 5,334,576

EPA Reg. No. 241-xxx 439

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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

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

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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JAN - 5 2010

**Net Contents:**

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

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

241-439

 **BASF**  
The Chemical Company

<b>FIRST AID</b>	
<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 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 eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<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 absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical 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

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, 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**

This pesticide may be hazardous to plants outside the treated area. **DO NOT** apply to water except as specified in this label. **DO NOT** contaminate water when disposing of equipment washwaters and rinsate.

**Directions For Use**

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.

**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.

Ensure drift to nontarget species does not occur.

**DO NOT** apply **Clearcast® 2.7G herbicide** in any manner not specifically described in this label.

Observe all cautions and limitations on this label and on the labels of products used in combination with **Clearcast 2.7G**. **DO NOT** use **Clearcast 2.7G** other than in accordance with the instructions set forth on this label. Keep containers closed to avoid spills and contamination.

**STORAGE AND DISPOSAL**

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

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

**CONTAINER DISPOSAL (for plastic containers)**

**Nonrefillable Container. DO NOT reuse or refill this container.** After completely emptying container into application equipment, 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.

**In Case of Spill**

In case of large-scale spillage regarding this product, call:  
CHEMTREC 1-800-424-9300  
BASF Corporation 1-800-832-HELP (4357)

**General Information**

**Clearcast® 2.7G herbicide** is a granular formulation that may be applied directly to water for the control/suppression of certain submerged, floating and emergent aquatic vegetation. Aquatic sites that may be treated include estuarine and marine sites, ponds, lakes, reservoirs, wetlands, marshes, swamps, bayous, arroyos, ditches, canals, streams, rivers, creeks and other slow-moving or quiescent bodies of water. **Clearcast 2.7G** may also be used during drawdown conditions.

**Clearcast 2.7G** is quickly absorbed by foliage and/or plant roots and rapidly translocated to the growing points stopping growth. Susceptible plants may develop a yellow appearance or general discoloration and will eventually die or be severely growth inhibited.

**Clearcast 2.7G** is herbicidally active on many submerged, emergent and floating broadleaf and monocot aquatic plants. The relative levels of control and selectivity can be manipulated by using a choice of rates.

To help maintain the utility of herbicide programs, the use of herbicides with different modes of action are effective in managing weed resistance.

**Application Directions**

Apply **Clearcast 2.7G** directly to the water for the control of submerged aquatic plant species and some emergent and floating species.

**DO NOT exceed maximum use rate per application:**  
Water treatment 500 ppb (50 pounds of **Clearcast 2.7G** per acre foot)

**Clearcast 2.7G** may be applied via surface and aerial equipment including both fixed-wing aircraft and helicopter.

**SURFACE APPLICATION**

**Application to water targeting submerged and/or emergent/floating vegetation.** Broadcast apply **Clearcast 2.7G** to the water surface.

Apply **Clearcast 2.7G** to water to achieve a final concentration of the active ingredient of no more than 500 ppb. Multiple applications of **Clearcast 2.7G** may be made during the annual growth cycle to maintain the desired vegetation response.

**Clearcast 2.7G Rates per Treated Surface Acre**

Average Water Depth of Treatment Site (feet)	Desired Active Ingredient Concentration (ppb)*			
	50	100	200	500
	Clearcast 2.7G Rate per Treated Surface Acre (pounds)			
1	5	9	20	50
2	10	20	40	11
3	15	30	60	150
4	20	40	80	200
5	25	50	100	250
6	30	60	120	300
7	35	70	140	350
8	40	80	160	400
9	45	90	180	450
10	50	100	200	500

\*5.0 pounds of **Clearcast 2.7G** contains 0.135 pound active ingredient.

**AERIAL APPLICATION**

**Clearcast 2.7G** may be applied by both fixed-wing aircraft and helicopter.

**DRAWDOWN APPLICATION**

**Clearcast 2.7G** may be used in drawdown situations to provide preemergence control/suppression of aquatic vegetation. Apply **Clearcast 2.7G** as a broadcast application at rates up to 18.5 lbs/A. Applications should be made when water has receded and exposed soil is moist to dry. When treating irrigation canals, the initial flush of recharge water after application must not be used for irrigation purposes.

**Restrictions and Limitations**

**General Limitations**

**DO NOT** apply **Clearcast 2.7G** to achieve a total active ingredient concentration in the water greater than 500 ppb.

**DO NOT** apply more than 18.5 pounds/A of **Clearcast 2.7G** per drawdown treatments.

**Irrigation Restrictions**

- **DO NOT** use treated water to irrigate greenhouses, nurseries, or hydroponics.
- **DO NOT** plant non-CLEARFIELD® canola, onions, potatoes, or sugar beets in soils that have been previously irrigated with **Clearcast 2.7G**-treated water until a soil bioassay successfully demonstrates acceptable levels of crop tolerance.
- **DO NOT** use any **Clearcast 2.7G**-treated waters from still or quiescent sources for irrigation purposes less than 24 hours after **Clearcast 2.7G** application is completed.

- Waters receiving **Clearcast® 2.7G herbicide** treatment may be used for irrigation as long as concentrations are  $\leq 50$  ppb. Treated waters resulting in concentrations  $> 50$  ppb may not be used for irrigation until residue levels have been shown to be  $\leq 50$  ppb by an acceptable method.
- After application of **Clearcast 2.7G** to dry irrigation canals/ditches, the initial flush of water during recharge must not be used for irrigation purposes.

**Other Water Use Restrictions**

There are no restrictions on livestock watering, swimming, fishing, domestic use, or use of treated water for agricultural sprays.

**Potable Water. Clearcast 2.7G** may be applied to potable water sources at concentrations up to 500 ppb to within a distance of 1/4 mile from an active potable water intake. Within 1/4 mile of an active potable water intake, **Clearcast 2.7G** may be applied, but water concentrations may not exceed 50 ppb. If water concentrations greater than 50 ppb are required, the potable water intake must be shut and, if necessary, an alternate water supply be made available until the water concentration can be shown to be less than 50 ppb by an acceptable method.

**Endangered Plant Species**

To prevent potential negative impacts to endangered plant species, **DO NOT** apply **Clearcast 2.7G** in a way that adversely affects federally listed endangered and threatened species.

**Emergent and Floating Species Controlled with Clearcast® 2.7G herbicide**

Common Name	Scientific Name	Rate (ppb)	Comments
Frogbit	<i>Lymnobia spongia</i>	50 to 100	
Water hyacinth	<i>Eichhornia crassipes</i>	50 to 100	
Watershield	<i>Brasenia schreberi</i>	50 to 100	

**Submerged Species Controlled with Water-injected Applications**

Common Name	Scientific Name	Rate (ppb)	Comments
Bladderwort	<i>Utricularia floridana</i> <i>U. inflata</i>	50 to 100	
Eurasian watermilfoil <sup>1</sup>	<i>Myriophyllum spicatum</i>	100 to 200	See <b>Special Weed Control</b> for application directions.
Hydrilla <sup>2</sup>	<i>Hydrilla verticillata</i>	150 to 200	See <b>Special Weed Control</b> for application directions.
Northern watermilfoil	<i>Myriophyllum exalbescens</i>	100 to 200	
Pondweed American flat stemmed leafy Illinois small variableleaf  clasping largeleaf	<i>Potamogeton</i> spp. <i>P. nodosus</i> <i>P. zosteriformis</i> <i>P. foliosus</i> <i>P. illinoensis</i> <i>P. pusillus</i> <i>P. gramineus</i> <i>P. diversifolius</i> <i>P. perfoliatus</i> <i>P. amplifolius</i>	50 to 100	
Pondweed, curlyleaf	<i>Potamogeton crispus</i>	50	
Pondweed, sago <sup>3</sup>	<i>Potamogeton pectinatus</i> <i>Stuckenia pectinatus</i>	100	See <b>Special Weed Control</b> for application directions.
Spikerush	<i>Eleocharis</i> spp.	200	Apply as a spot treatment, concentrating the application in the area of the spikerush prior to emergence.
Variableleaf milfoil	<i>Myriophyllum heterophyllum</i>	100 to 200	
Water stargrass	<i>Heteranthera dubia</i>	100	
Widgeon grass	<i>Ruppia maritima</i>	200	

**Special Weed Control**

<sup>1</sup>**Eurasian watermilfoil.** Apply **Clearcast 2.7G** at 100 to 200 ppb to actively growing plants early in the growing season. Applications made to mature milfoil (vegetation topped out) may require multiple applications.

<sup>2</sup>**Hydrilla.** Apply **Clearcast 2.7G** at 150 to 200 ppb to actively growing plants early in the growing season. Applications made prior to topped-out hydrilla may require repeat application. A single application of 50 to 75 ppb can be used to suppress and growth-regulate hydrilla for up to 10 to 12 weeks. If desired, an additional 50 to 75 ppb can be applied to extend the period of growth suppression when normal hydrilla growth resumes.

<sup>3</sup>**Sago pondweed.** Sago pondweed may be controlled in nonflowing water with applications at 100 ppb. In dry ditches (drainage and irrigation), sago pondweed may be controlled or growth suppressed with soil-applied **Clearcast 2.7G** at 18.5 lbs/A. In irrigation canals, apply **Clearcast 2.7G** after drawdown and prior to water recharge.

### 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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