

# Label Awareness

- What is a label?
- What are the different labels, which one do I use?
- Products vs active ingredients
- The temptation posed by market segmentation
- Conclusion





# Pesticide Registration

- Company Actions
  - All present chemicals in proposed product
  - Data on potential risks to the environment and safe to human health including from food residual (if applicable)
  - Full label (use, storage, handling and warnings)
- EPA Actions
  - Review all material
  - Conduct Risk assessments and peer reviews of scientific data
  - Regulatory review





## Container Label

- Legal label
- Attached to the container
- Supplemental labels contain addendums to the container label



# Specimen Label/Web distributed

- Label not attached to the container
- Downloaded from internet
- Potential for missing/outdated information

### Specimen Label



### SPECIALTY HERBICIDE

Trademark of The Dow Chemical Company ("Dow") or an affiliated

For the control of woody plants and annual and perennial For the control of woody plants and annual and perennial broadleaf weeds in non-crop industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, roadsides, railroads, forests and in the establishment and maintenance of wildlife openings. Use on these sites may include application to

Active Ingredient: pyridinyloxyacetic acid, butoxyethyl ester...
Other Ingredients......

Contains petroleum distiliates Acid Equivalent: triclopyr - 44,3% - 4 lb/gal

Precautionary Statements

Hazards to Humans and Domestic Animals EPA Reg. No. 62719-40

### CAUTION

Causes Moderate Eye Irritation • Harmful If Swallowed • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the tollet.

### Personal Protective Equipment (PPE)

Applicators and other handlers who handle this pesticide must wear: Long-sleeved shirt and long pants
 Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are given, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the WPS (40 CFR 170.240(d)4-6), the handler PPE requirements may be reduced or modified as specified in the MPS.

### User Safety Recommendations

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

HIST AIG.
If in eyes: Hold eye open and rinse stowly and gerifly with water for 15-50 minutes. Remove contact trense, if present, after the first 15-50 minutes. Senouse continue mining eye. Call a posson control center or doctor for treatment advice. If a control center or doctor for treatment advice, and a poison control center or doctor. Do not inclose ventiling unless told to do so by a potision control center or doctor. Do not give any liquid to the person. Do not give any liquid to the person. Do not give any liquid to the person.

Note to Physician: This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

This pesticide is toxic to fish. 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.

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.

### Physical or Chemical Hazards

Combustible. Do not use or store the product near heat or open flame.

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsisten with its labeling. Read all Directions for Use carefully before applying.

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.

### Agricultural Use Requirements equirements in this box apply to forestry uses.

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, torse nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, deconfamination, notifications 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 12 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 plants, soil, or water, is:

- Chemical-resistant gloves Shoes plus socks Protective eyewear

### Non-Agricultural Use Requirements The requirements in this box apply to all use sites on this label except for forestry uses.

The requirements in this box apply to uses of this product that are NO within the scope of the Worker Protection Standard for Agricultural Pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, o

Entry Restrictions for Non-WPS Uses: For applications to non-cropland areas, do not allow entry into areas until sprays have dried

### Storage and Disposal

Do not contaminate water, lood, or feed by storage and disposal. Open dumping is prohibited.

Pesticides Storage: Store above 28°F or agitate before use.
Pesticide Disposal: Wisster resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

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Nomerelliable containers 5 galancia or lesis.

Container Handing: Normilliatio container. Do not rouse or retill tris.

Tiple rinse or pressure rinse container (or equivalent) promptly after emplying. Triple rinse as sollows: Empty the remaining contents into application equipment or a mit tank and drain for 10 seconds after the flow begins to day. Fill the container 1/4 full with water and rouse. Statistic of to seconds. Sour irrises from tagglication equipment. rocap. Stakes for 10 seconds. Pour missale into application equipment or a mix tank or store trinsale for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure who more times. Pressure trinse a follows: Enrik and continue to drain for 10 seconds after the flow begins to drip. Hold container updated own 10 seconds after the flow begins to drip. Hold container updated own over application equipment or mix tank or collect rinsate for later use of disposal. Insert pressure rinsing nozzie in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after

# Master Label

**EPA Registration Number:** 62719-519 **Company Name:** CORTEVA AGRISCIENCE LLC

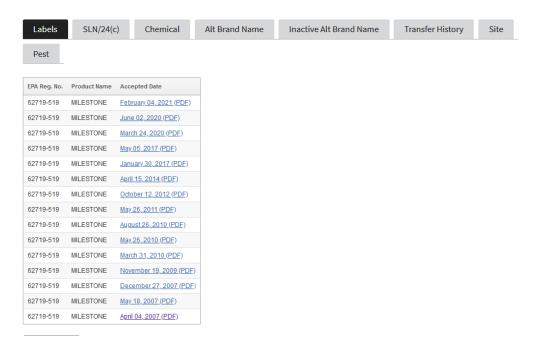
Address: 9330 ZIONSVILLE ROAD

City, State Zip: INDIANAPOLIS, IN 46268

First Registered Date: AUGUST 10, 2005

Current Status (Date): Registered (AUGUST 10, 2005)

Restricted Use: NO



- Found on the EPA's "Pesticide Product Label System (PPLS)" website
- Contains all relevant information for the product
- Combination of actions take by the company and by EPA







# Active Ingredient

Biologically active ingredient

Does not refer to a specific labeled product

# Formulated Product

- The formulation of the active ingredient with inert ingredients to create a pesticide
- Does refer to a specifically labeled product



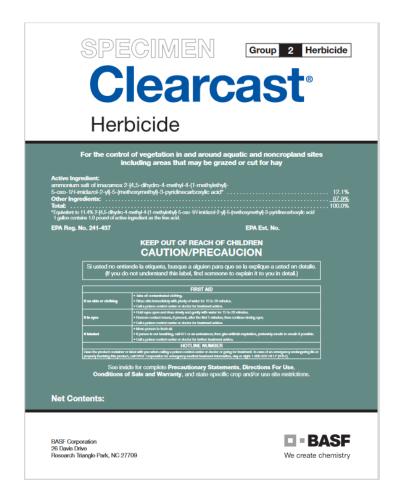




Avoid the Temptation of Market Segmentation

- Manufacturers tailoring an herbicide product to a specific user group
- We all use pesticides but for different reasons
- Products are labeled and marketed specifically for those reasons

# Clear Cast by BASF



# Raptor by BASF

# **Raptor**®

## Herbicide

For use on alfalfa, beans (dry), chicory, clover grown for seed, edamame, lima bean (succulent), peas (dry), pea (English), snap bean, and soybean

### **Active Ingredient:**

ammonlum salt of Imazamox: 2-[4,5-dlhydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-lmldazol-2-yl]-5-(methoxymethyl)-3-pyrldinecarboxylic 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-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

1 gallon contains 1.0 pound of active ingredient as the free acid.

EPA Reg. No. 241-379

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

SI usted no entlende la etiqueta, busque a algulen para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detall.)

See full label 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

# Side by Side Comparison

	Clearcast	Raptor
Manufacturer	BASF	BASF
Active	Salt of Imazamox	Salt of Imazamox
Percent Active	12.1%	12.1%
Use site	Aquatic	Bean crops
Cost	287.00	547.00

# Conclusion

- The label exists to ensure the health and safety of people and the environment
- The label carries the full weight of the law.
- Know the label, know the product
- If you don't know, ask!

