

73049-42

12/6/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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 WASHINGTON D C 20460
OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION
 Doina Bujor  
 Valent BioSciences Corporation  
 870 Technology Way  
 Libertyville, IL 60048

DEC 06 2012

Subject Label Amendment to add new crops, new use information, and make other minor label revisions

Release LC Plant Growth Regulator Solution

EPA Reg No 73049-42

Your submission dated August 31, 2012

Decision Number 469283

Dear Ms Bujor

The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)(5), is acceptable provided that you

- 1) Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data
- 2) Submit two (2) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Should you have any questions, you may contact Mr. Colin Walsh directly at (703) 308-0298 or via email at [walsh.colin@epa.gov](mailto:walsh.colin@epa.gov)

Sincerely,

 Linda A. Hollis, Chief  
 Biochemical Pesticides Branch

CONCURRENCE

Prevention Division (7511P)

SYMBOL	7511P						
SURNAME	Walsh						
DATE	12/5/12						

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ACCEPTED

DEC 06 2012

Under the Federal Insecticide Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg No 73049-42

**RELEASE<sup>®</sup> LC**  
**PLANT GROWTH REGULATOR**  
**SOLUTION**

Active Ingredient	
Gibberellins	4 0% w/w
Other Ingredients	96 0% w/w
Total	100 0% w/w

Release LC contains approximately 1 0 gram active ingredient per fluid ounce of formulated product

EPA Reg No 73049 42  
EPA Est No 33762 IA 1  
Net Contents  
Lot \_\_\_\_\_

Valent BioSciences Corporation  
870 Technology Way  
Libertyville IL 60048

**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 the label find someone to explain it to you in detail)

**FIRST AID**

<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li><li>• Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye</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 poison control center or doctor immediately for treatment advice</li><li>• Have person sip a glass of water if able to swallow</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor</li><li>• Do not give anything to an unconscious person</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>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 20 minutes</li><li>• Call a poison control center or doctor for treatment advice</li></ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 800-892 0099 (24 hours) for emergency medical treatment and/or transport emergency information For all other information, call 1 800 6-Valent

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**WARNING**

Causes substantial but temporary eye injury. Harmful if inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist, and avoid contact with skin. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**Personal Protective Equipment**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C 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 barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- 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/maintaining Personal Protective Equipment (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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

**FLAMMABLE!** Keep away from heat and open flame.

### **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 State or Tribal agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.

### **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 of 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 intervals. 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. Exceptions: After treated seeds are planted, the Worker Protection Standard under certain circumstances allows workers to enter the planted area if there will be no contact with anything that has been treated.

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:

- Coveralls
- Chemical resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks
- Protective eyewear

### **GENERAL INFORMATION**

**IMPORTANT** Before application, read directions thoroughly and use only as directed.

Release<sup>®</sup> LC contains an extremely potent plant growth regulator. One fluid ounce of Release contains approximately one gram of active ingredient. Consult your local experiment station specialist, distributor or the Valent agricultural specialist in your area for the application best suited for your conditions.

Release LC is designed to be used as a seed treatment for cereal crops (such as rice, wheat, barley, rye, corn, and sorghum) and grasses grown for seed production. When applied according to the label directions, Release LC stimulates seed germination and promotes faster and uniform stand establishment.

## RELEASE LC SEED TREATMENT APPLICATIONS

### APPLICATION DIRECTIONS

Accurate application of Release LC to seed is required for best performance. Thoroughly mix Release LC in approximately 8-20 fl oz of the desired seed slurry mixture per 100 lbs seed prior to application to seed. Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products. Follow more restrictive limitations or cautions on labels of all products used in a seed treatment mixture. Do not tank mix with any products which contain a prohibition on tank mixing. Do not apply Release prior to a 24 hour seed presoak or to water used for the seed presoak.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE
Cereal seed (such as rice, wheat, barley, rye, and sorghum)	To promote germination and emergence particularly for seed with germination or emergence problems or are planted under cool soil conditions  To help increase final stand density and uniformity when seed are planted deeper to receive adequate moisture	0.5 - 3.0 fl oz/100lbs seed
Grasses grown for seed production	To promote germination and emergence particularly for seed with germination or emergence problems or are planted under cool soil conditions	0.5 - 3.0 fl oz/100lbs seed
Field Corn	To promote germination and emergence particularly for seed with germination or emergence problems or are planted under cool soil conditions  To help increase final stand density and uniformity when seed are planted deeper to receive adequate moisture	0.5 - 2.0 fl oz/100lbs seed or 0.25 - 1.0 fl oz / 80,000 kernel count* or 0.003 - 0.013 mg active ingredient per kernel*  *based upon 1,630 seeds per pound in field corn

### Use Precautions

**Do not** use treated seed for food, feed or oil purposes. An approved dye must be added to distinguish Release LC treated seed and prevent inadvertent use as food or feed.

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## COMPATIBILITY WITH OTHER CHEMICALS

Release LC is compatible with NipsIt INSIDE<sup>®</sup> Insecticide, METLOCK<sup>™</sup> Fungicide and other commonly used fungicide seed treatments, standard dyes, and sticker/binding agents. When preparing tank mixes, ensure adequate physical compatibility and mixing.

Do not tank mix Release LC with any product unless compatibility had been verified. If considering tank mixing Release LC with other products use the following **compatibility jar test** before mixing a whole tank.

Add water from the same water source to a clear glass or plastic jar. Add the products in correct proportions. Mix thoroughly and let stand for a minimum of 15 minutes. Separation, gelling, precipitation or generation of heat are all signs of incompatibility.

Always read and follow all label directions and precautions of each product. When using combinations of products the most restrictive of label limitations and precautions must be followed. Do not mix with any product that has a prohibition against tank mixing. For further information consult your Valent agricultural specialist at 1-800-6-VALENT (1-800-682-5368).

NipsIt INSIDE<sup>®</sup> METLOCK Fungicide are trademarks of Valent USA.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE** Keep containers tightly closed when not in use. Keep away from heat and open flame.

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

**CONTAINER HANDLING** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse 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. Offer for recycling if available. If recycling is not available, puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

## NOTICE TO USER

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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