

34704-1048

11/09/2011

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U S ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Biopesticides and Pollution Prevention Division  
 (7511P)  
 1200 Pennsylvania Avenue NW  
 Washington, DC 20460

EPA Reg  
 Number  
**34704-1048**

Date of Issuance  
**NOV 04 2011**

NOTICE OF PESTICIDE

XX Registration      \_\_\_ Re-registration  
 (under FIFRA, as amended)

Term of Issuance      **UNCONDITIONAL**

Name of Pesticide Product  
**Amplify® 11**

Name and Address of Registrant (include ZIP Code)

Loveland Products Inc  
 P O Box 1286  
 Greeley, CO 80632 1286

Note Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 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 Sec 3(c)(5) provided you

- 1 Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data
- 2 Submit three (3) copies of the revised final printed labeling before you release the product for shipment
- 3 Submit a revised residue enforcement method (guideline 860 1340) for 2 6-DIPN and its metabolites (identified in the goat metabolism study as M27 and M29) in livestock commodities
- 4 Submit radiovalidation data to support the revised residue enforcement method for 2 6-DIPN and its metabolites (M27 and M29) in livestock commodities
- 5 Provide a discussion of each of the residue trials for potatoes and potato peels

*See page 2*

Signature of Approving Official

*W M*

W Michael McDavit, Associate Director  
 Biopesticides and Pollution Prevention Division

Date

**NOV 04 2011**

This registration will expire on **November 18, 2014** if you do not meet the terms of this registration notice as outlined above [submission of all of the outstanding information (see items 3-5)] by or before May 18, 2014. If this registration expires, the Agency intends to issue a cancellation order that includes the following provisions: All sale or distribution of existing stocks by the registrant is prohibited 1 year after the expiration of this registration (November 18, 2015), unless that sale or distribution is solely for the purpose of facilitating disposal or export of the product. The tolerance associated with this registration will expire May 18, 2015.

Sincerely,



W Michael McDavit, Associate Director  
Biopesticides and Pollution  
Prevention Division (7511P)



# Amplify<sup>®</sup> II

## AEROSOL GRADE POTATO SPROUT INHIBITOR

<b>ACTIVE INGREDIENT</b>		<b>BY WEIGHT</b>
2, 6-Diisopropylnaphthalene		99 83%
<b>OTHER INGREDIENT</b>		0 17%
	<b>TOTAL</b>	<b>100 00%</b>

Covered under U S Patent Number 5,622,912

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

<b>FIRST AID</b>	
<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 by mouth-to-mouth, if possible</li> <li>• Call a poison control center or doctor for further 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>• Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</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>
<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>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment	
<b>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-866-944-8565</b>	

# ACCEPTED

**NOV 04 2011**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No **34704-1048**

EPA REG NO 34704-1048

EPA EST NO 85529-DEU-001

NET WEIGHT 5 LBS (2 26 KG)

112009 V2D 10R10

**AMPLIFY® II  
EPA REG NO 34704-1048**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled, swallowed, or absorbed through skin Causes moderate eye irritation Avoid breathing vapors or fog Avoid contact with skin, eyes, or clothing Wash thoroughly with soap and water after handling Remove and wash contaminated clothing before reuse

**PERSONAL PROTECTIVE EQUIPMENT FOR HANDLERS**

When handling Amplify® II during the application period, personal protective equipment (PPE) including chemical-resistant gloves, long-sleeve shirt, long pants, shoes and socks and a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter must be worn If entry into the storage area is necessary during application or after application and before the ventilation period (defined below) has expired, PPE including chemical resistant gloves, long sleeve-shirt, long pants, shoes and socks and a respirator (as described above) must be worn

Do not enter or allow any person, other than a person equipped with the appropriate handler personal protective equipment including the appropriate respirator (as described above), to enter the treated area until the area has been ventilated Ventilation may be for either a total of two (2) hours with fans or other mechanical ventilation or four (4) hours with windows, vents, or other passive ventilation, or until such time that there have been 10 complete air exchanges The ventilation time may be interrupted, i e , the time may be accumulated at sporadic intervals, such as 15 minutes of ventilation followed by a period with no ventilation, until the total required ventilation time has accumulated

During cleanup procedures PPE including chemical resistant gloves, long-sleeve shirt, long pants, rubber boots and socks, and a respirator (as described above) must be worn

**PERSONAL PROTECTIVE EQUIPMENT FOR WORKERS**

Workers handling wet potatoes after the ventilation period (as described above) is complete, must wear chemical resistant gloves

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

**NOTICE**

Amplify II is used as an aerosol for treating potatoes for sprout inhibition during storage

Do not apply in the field

Do not use on seed potatoes

Do not allow vapors or fog to come into contact with, or get near to, storage areas used for seed potatoes

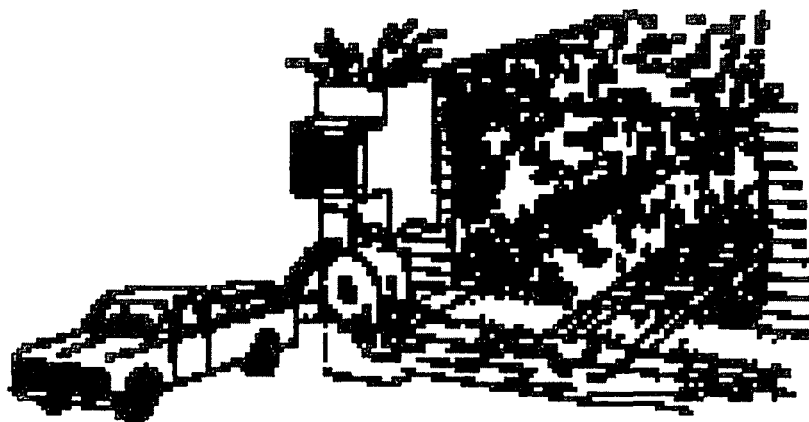
Let 15 days elapse before using treated storage area for seed potatoes Air system components (including ducts) and building must be thoroughly cleaned before the area is used for storage of seed potatoes

**TREATMENT OF STORAGE WITH RECIRCULATING AIR SYSTEMS**

Assemble unit as shown place discharge from aerosol generating unit in the plenum, positioned to allow for thorough mixing and even distribution Shut down the humidification equipment Set ventilation system for recirculation and seal storage building Set fans to deliver sufficient air circulation to provide even distribution of product Check for uniform air distribution throughout the potato pile before treatment Maintain the system on recirculation setting until thermal fog has completely settled

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Reactivate the storage ventilation and humidification systems to desired setting



**TREATMENT OF STORAGE OR OTHER AREAS THAT DO NOT HAVE RECIRCULATION AIR SYSTEMS**

Assemble unit as shown place discharge from aerosol generating unit in the plenum, positioned to allow for thorough mixing and even distribution. Prior to placing potatoes in the area to be treated, make the following preparations. On the floor of the area, install an air duct approximately 12 inches by 12 inches running the length or width of the potato pile leaving a space at one end for air circulation. The ducts should be spaced a maximum of 10 feet apart and can be perforated metal pipe, slotted wood construction or if the potatoes are in bags, by bridging a 12 inch space between two rows of bags.

At the open end of each duct in the false wall space, where the fog is to be introduced position a fan to force air through the duct and up through the pile. Set fans to deliver sufficient air circulation to provide even distribution of product. Check for uniform air distribution throughout the potato pile before treatment.

When the area is filled and ready to be treated  
Shut down any ventilating and humidification equipment, and seal the structure

Start the fans  
Introduce the fog as near as possible to the bottom of the false wall space containing the fans  
Continue running fans until the fog has completely settled  
Reactivate ventilation and humidification equipment to the desired settings

**NOTE** When treating a small area such as a trailer truck or railroad car, use a low volume aerosol generator. Prepare the trailer truck or railroad car and pack the potatoes as described above.

**APPLICATION**

Amplify II is for use on all potatoes used for processing or fresh market

Apply prior to end of the natural dormancy period of the potato and before sprouting occurs. Use Amplify II after bruises and cuts have healed (normally a minimum of two weeks after storing)

Use Amplify II alone only if some sprouting is acceptable. Amplify II, when used alone, will suppress sprouting short term

Potatoes may be treated with Amplify II one time during potato storage season at a rate not to exceed 1.5 lbs per 600 cwt, or apply multiple times not to exceed an accumulated total of 1.5 lbs

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of Amplify II per 600 cwt per year Minimum application rate for Amplify II is 0.1 lb per 400 cwt For additional treatment information contact Loveland Products, Inc 1-888-574-2878

Amplify II has been demonstrated to have a synergistic effect when applied with CIPC (Chlorpropham) products such as SPROUT NIP® 7A or CIPC 98A Refer to the SPROUT NIP 7A or the CIPC 98A labels for specific directions for proper use of these products When Amplify II is used in combination with either listed product, follow the most restrictive label use directions and precautions

1 cwt = 1.67 bu = 2.5 cubic ft and 1 bu = 60 lb = 1.5 cubic ft

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE** Keep container closed This product may inhibit germination of seed potatoes

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

**CONTAINER DISPOSAL** Nonrefillable container Do not reuse or refill this container Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration Do not burn, unless allowed by state and local ordinances

**For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300**

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC or the seller is authorized to vary in any way

Follow the Directions for Use of this product carefully It is impossible to eliminate all risks inherently associated with the use of this product Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC and the seller The buyer or user of this product assumes all such inherent risks

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS

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CLAIM TO THE FOLLOWING ADDRESS LOVELAND PRODUCTS, INC , ATTENTION LAW DEPARTMENT, P O BOX 1286, GREELEY, CO 80632-1286

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC OR THE SELLER DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY

Amplify and Sprout Nip are registered trademarks of Loveland Products, Inc

Made in Germany

**FORMULATED FOR**  
**LOVELAND PRODUCTS, INC**  
**P O BOX 1286, GREELEY, COLORADO 80632-1286**