

**DECCO**

**CEREXAGRI INC.**

**FOR DISTRIBUTION AND USE ONLY WITHIN  
THE STATE OF NORTH DAKOTA  
EPA SLN NO. ND-060007**

**DECCO 271 Aerosol**  
POTATO SPROUT INHIBITOR

ACTIVE INGREDIENT:

Chlorpropham\* Isopropyl N-(3-Chlorophenyl)Carbamate .....99.0%

OTHER INGREDIENTS:.....1.0%

TOTAL.....100.0%

\*9.9 lb active ingredient per 10 lb briquette

EPA REG. NUMBER: 2792-70

EPA EST. NUMBER 2792-CA-1

Net Content: 40 lbs

Expiration Date: December 31, 2011

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

**IF SWALLOWED:**

Call poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by poison control center or doctor.

**IF INHALED:**

Move person to fresh air.

If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for further treatment advice.

**IF IN EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER:**

In case of emergency call Chemtrec at 1- 800-424-9300

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

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

**CAUTION**

Harmful if swallowed or absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

**Personal Protective Equipment (PPE):**

Some materials that are chemical resistant to this product are made of waterproof material. If you want more options, follow instructions for Category A on an EPA chemical-resistant category selection chart.

Applicators and other handlers must wear:

- long sleeve shirt and long pants;
- shoes plus socks
- chemical resistant gloves such as or made of any waterproof material.

From the start of application and continuing until the ventilation requirements are listed on this labeling have been completed, for entry into the enclosed treated area, in addition to the above PPE, handlers must wear:

- A respirator with an organic-vapor removing cartridge with a pre-filter approved for pesticide (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NOISH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE pre-filter.

If the enclosed area contains less than 19.5% oxygen, the respirator must be one of the following types:

- A supplied-air respirator (MSHA/NIOSH approval number prefix TC-21C) or a self contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TX-13F)

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

**User Safety Recommendations:**

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

User should remove PPE immediately after handling this product. Wash outside of gloves before removing.

As soon as possible wash thoroughly and change into clean clothing.

**ENTRY RESTRICTIONS:**

Do not enter or allow any person, other than a person equipped with appropriate respirator, to enter the treated area until the area has been ventilated. Ventilation may be for either 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.

**ENVIRONMENTAL HAZARDS:**

Do not apply directly to water, or to area where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**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 application. Follow all applicable direction, restrictions, worker protection standard, and precautions on the EPA registered label for Decco 271 Aerosol (EPA Reg. No. 2792-70).

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.

**NOTICE:**

1. Decco 271 is used as an aerosol for treating potatoes for sprout inhibition during storage.
2. If entry into the storage area is necessary during or immediately following application before the fog has settled, protective clothing and respirators must be worn.
3. Do not apply in the field.
4. Do not use on seed potatoes. This inhibition of sprouting at recommended rates is usually effective up to a year regardless of removal from storage.
5. Do not allow vapors to come in contact with, or get near to, storage areas used for seed potatoes.
6. Let six (6) months elapse before using treated storage area for seed potatoes. All system components (including ducts) and building must be thoroughly cleaned before areas can be used for storage of seed potatoes. If the area has a dirt floor, a minimum of two inches of soil should be removed and replaced with non-contaminated soil.
7. Decco 271 will prevent periderm formation of potatoes, therefore, it should be used only after bruises and cuts have healed (normally minimum two weeks).
8. The amount of Decco 271 applied from all applications during the storage season shall not exceed the maximum percentage of active ingredient per 400 cwt of potatoes allowed on this label.

**FORCED AIR DISTRIBUTION METHOD.**

1. Insert aerosol generator intake hose in Decco 271 aerosol.
2. Set air ventilation system for re-circulation.
3. Placing the exhaust end of the aerosol generator at the center of the plenum (air mixing chamber) pointing in the direction of the air flow is an example of an application set-up. Methods of Decco 271 application vary with the storage design, ventilation system, etc. Uniform Chlorpropham applications are usually accomplished by experienced, licensed applicators. Contact your local applicator for additional information.

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

Prior to placing the potatoes in the areas to be treated, make the following preparations:

1. On the floor of the area, install an air duct for adequate air circulation. The ducts should be spaced 10-12 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 in the bottom layer with bags placed crosswise of the space.
2. At the end of each duct in the false wall space where the fog is to be introduced, place a fan positioned to force air through the duct. The exit end of the duct must be blocked to force the air up through the piled potatoes.
3. When the area is filled and ready to treat, the following steps should be taken:
  - a. Close off any ventilating systems.
  - b. Start the fans.
  - c. Introduce the fog as near as possible to the bottom of the false wall space containing the fans.
  - d. Operate the fans until the fog has settled.
  - e. Reactivate the ventilation system four (4) hours following application or when the fog has settled.

**NOTE:** When treating small areas such as trailer trucks or railroad cars, it is recommended that low volume aerosol generators such as Swing Fog is to be used.

**APPLICATION:**

Application of Decco 271 Aerosol can be made anytime after the curing period and before sprouting of potatoes occurs.

1. Apply at recommended % of SLN Application rate of 1 pound active ingredient per 670 bushels (400 cwt). Treat according to volume of storage (see table under the heading "Recommended Chlorpropham Rates" for conversion).
2. For Low Volume Application, use Force Air recirculation through the pile at a rate that will move the aerosol up through the pile and provide a uniform treatment of the potatoes. Air speeds will vary with the type of storage and ventilation system. Check for uniform air distribution throughout the plenum.
3. Keep storage closed during application. After application, initial ventilation as described in the Entry Restriction.
4. Repeat application must not be made sooner than 90 days following the initial application.

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| 1 cwt = 1.67 bushels = 2.5 cubic feet; 1 bushel = 60 pounds = 1.5 feet |
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**RECOMMENDED CHLORPROPHAM RATE**

To calculate the rate needed use the following formula:

$$\% \text{ of SLN Application Rate} = (2XT) + [(5XM)+5]$$

Where: SLN Application Rate = 1 pound active ingredient/ 400 cwt.

T = Storage Temperature

M = Number of Months Storage Time

Example Calculations: (potatoes stored at 40°F for six (6) months

$$\text{Required Rate} = (2 \times 40) + [(5 \times 6) + 5] = 115\%$$

| TIME   | STORAGE TEMPERATURE |      |        |        |
|--------|---------------------|------|--------|--------|
| Months | 40°F                | 45°F | 50°F/1 | 55°F/1 |
| 1      | 90%                 | 100% | 110%   | 120%   |
| 2      | 95%                 | 105% | 115%   | 125%   |
| 3      | 100%                | 110% | 120%   | 130%   |
| 4      | 105%                | 115% | 125%   | 135%   |
| 5      | 110%                | 120% | 130%   | 140%   |
| 6      | 115%                | 125% | 135%   | 145%   |
| 7      | 120%                | 130% | 140%   | 150%   |
| 8      | 125%                | 135% | 145%   | 155%   |
| 9      | 130%                | 140% | 150%   | 160%   |
| 10     | 135%                | 145% | 155%   | 165%   |

/1 – Rates for 50° and 55° F are for processing potatoes only.

Chart assumes first treatment soon after suberization time.

**Re-Treatment for Extended Storage**

If the potatoes are held in storage longer than originally anticipated, the potatoes may be retreated as necessary. However, using either the above chart or the rate formula, the re-treatment method must be no greater than the total amount required for the extended storage time minus the amount already applied.

For example, potatoes stored at 40° F were treated based on a two (2) month storage period. A decision was made to extend storage to five (5) months (three months in addition to the original 2 months). The total extended storage would require a total of 110% of the SLN rate; the original treatment would have used 95% of the SLN rate. In this case, re-treatment would require 15% (110% - 95%) of the SLN treatment.

The total amount of chlorpropham applied via aerosol fog to potatoes destined for the fresh market is 1.45 pounds active ingredient per 400 CWT. The maximum application for the total amount of chlorpropham applied via aerosol fog to potatoes destined for processing is 1.65 pounds active ingredient per 400 CWT.

**STORAGE AND DISPOSAL:**

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

PESTICIDE STORAGE: Keep container closed.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY AND DISCLAIMER**

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