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PRODUCT DATA SHEET

DECCO 271 Aerosol POTATO SPROUT INHIBITOR

DESCRIPTION: An aerosol for sprout inhibition of potatoes (EPA Reg. No. 2792-40).

DIRECTIONS FOR USE:

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

NOTICE:

- Decco 271 is used as an aerosol for treating potatoes for sprout inhibition during storage.
- 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.
- Do not apply in the field.
- Do not use on seed potatoes.
- Do not allow vapors to come in contact with, or get near to, storage areas used for seed potatoes.
- Let six months elapse before using treated storage area for seed potatoes. All system components (including ducts) and building must be thoroughly cleaned before the area is used for storage of seed potatoes.
- Decco 271 will prevent periderm formation of potatoes, therefore, it should be used only after bruises and cuts have healed (normally minimum two weeks)

FORCED AIR DISTRIBUTION METHOD

1. Insert aerosol generator intake hose in CIPC BRICK application container.
2. Set air ducts for re-circulating.
3. Place exhaust end of aerosol generator at center of plenum (air mixing chamber) pointing it in the direction of airflow. This will assure the best possible distribution of Decco 271 Aerosol throughout the duct system.

**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 approximately 12 inches by 12 inches running the length or width of the potato pile leaving a false wall space at both ends for 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 place 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 squirrel cage 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.

When the area is filled and ready to treat, the following steps should be taken:

- a. Close off any ventilating systems.
- b. Start the squirrel cage 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.

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

APPLICATION:

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

1. Apply at a rate of 1-pound active ingredient per 1,000 bushels (600 cwt). One brick treats 10,000 bushels (6,000 cwt). Treat according to volume of storage (see table under heading Recommended CHLORPROPHAM Rate@ for conversion).
2. For low volume application, use FORCED AIR re-circulating through the pile at rates up to 5.0 CFM per ton of potatoes. For other application, use lowest FORCED AIR re-circulating available for the applicator. Check for uniform air distribution throughout the potato pile.
3. Keep storage closed during application. Continue to re-circulate air in storage for at least 4 hours or until the fog has settled. Return storage to normal ventilation as soon as possible following application.

1 cwt = 1.67 bushels = 2.5 cubic feet; 1 bushel = 60 pounds = 1.5 cubic feet

RECOMMENDED CHLORPROPHAM RATE

To calculate the rate needed use the following formula:

$$\% \text{ Of standard Application Rate} = (2XT) + (5XM) - 5$$

Where: Standard Application Rate = 1 pound active ingredient/600cwt

T-Storage Temperature

M-Number of Months Storage Time

Example Calculations : (potatoes stored at 45°F for six (6) months

$$\text{Required Rate} = ((2 \times 45) + (5 \times 6) - 5) - 115\%$$

Chart assumes treatment soon after suberization time.

F/1-Rates for 55°F and 60°F are for processing potatoes only.

TIME	STORAGE TEMPERATURE				
Months	40°F	45°F	50°F	55°F/1	60°F/1
1	80%	90%	100%	110%	120%
2	85%	95%	105%	115%	125%
3	90%	100%	110%	120%	130%
4	95%	105%	115%	125%	135%
5	100%	110%	120%	130%	140%
6	105%	115%	125%	135%	145%
7	110%	120%	130%	140%	150%
8	115%	125%	135%	145%	155%
9	120%	130%	140%	150%	160%
10	125%	135%	145%	155%	165%

EXTENDED STORAGE - If the potatoes are held in storage longer than originally anticipated, the potatoes may be retreated. Using the above chart, the retreat dosage is equal to the total amount required for the extended storage time less the amount used for the original storage time. For example, potatoes stored at 45°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 two months). The total extended storage would require a total of 110% of the standard rate; the original treatment would have used 95% of the standard time. In this case, retreat would require 15% (110%-95%) of the standard treatment.

PROPERTIES:

Weight: Ten pounds
Size: Approximately 15" long X 8 2" wide X 1 3/4" thick brick. The bricks are scored in 10 equal parts, which weighs approx. 1 pound each. Appearance: Cream color
Specific gravity: 1.180 g/ml
Freezing Point: 38.4°C
Package: Four 10-pound bricks per carton. Each 10-pound brick is individually packaged into a bag. 48 cartons per palette.

STORAGE AND DISPOSAL:

STORAGE: Keep container closed. Do not contaminate water, food or feed by storage or disposal. This product inhibits germination of seed potatoes.

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 : Do not reuse the container. Triple rinse (or equivalent). Then offer for recycling or reconditioning; or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

April 03