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DECCO NO SCALD DPA AEROSOL
For reduction of scald on apples in storage

COMMERCIAL

READ THE LABEL BEFORE USING
DO NOT USE IN RESIDENTIAL AREAS

SOLID

GUARANTEE:

Diphenylamine99.8%

REGISTRATION No: 30231
PEST CONTROL PRODUCTS ACT

Decco U.S. Post-Harvest Inc.
1713 S. California Ave.
Monrovia, CA 91016-0120
USA
(626) 358-1838

United Phosphorus Inc.
3065 Redstart Drive
Mississauga, ON L5L 2N1
CANADA
905-828-6346

Net Contents: 10 kg
*In one 453 g plastic bag

PRECAUTION:

KEEP OUT OF REACH OF CHILDREN

Wash hands after use. Do not contaminate food or feed. Do not contaminate feed or water trough. Harmful if swallowed. Do not take internally. Protect eyes and mouth when working in a confined space. Do not use in areas where bee-keeping equipments or supplies are stored. Product is toxic to fish. Do not contaminate any body of water.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca

FIRST AID:

IF ON SKIN OR CLOTHING, Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for 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 centre or doctor for treatment advice.

IF SWALLOWED, call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Low general toxicity. Acute dermal LD 50 is greater than 20 g/Kg (rabbits). Acute oral LD50 is 2.72 g/Kg (rats). This product can cause slight skin and eye irritation.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instruction for category A on an EPA Chemical Resistance Selection Sheet.

Handlers (including mixers, loaders, persons cleaning or monitoring the fogging equipment, and persons handling treated apples or apple containers still wet with DPA) must wear:

- Long-sleeved shirt and long pants
- Protective eyewear such as goggles, safety glasses, or a face shield
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber.
- Shoes and socks

Fumigating applicators must wear:

- Either a NIOSH/MSHA/BHSE approved full face supplied-air respirator OR a NIOSH/MSHA/BHSE approved self-contained breathing apparatus (SCBA) with a full face piece.
- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such a polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes and socks

User Safety Requirements

Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/handling 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.
- Users should remove clothing immediately if pesticide gets inside. Then wash

DIRECTIONS FOR USE:

DO NOT contaminate irrigation water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

After the treated area is sealed and locked, a sign must be posted at all entrances to the treatment area and in strategic areas outside the structure/enclosure to ensure no one is near the building during ventilation or aeration. The sign must read:

“CAUTION: Do not enter area. Diphenylamine fogging treatment in progress.” No one shall be in the fogging areas if the air concentration of diphenylamine is above 10 mg/m³ unless wearing either a NIOSH/MSHA/BHSE approved full face supplied-air respirator OR a NIOSH/MSHA/BHSE approved self-contained breathing apparatus (SCBA) with a full face piece, long-sleeved shirt and long pants, chemical resistant gloves and shoes and socks.

Application Restrictions

Do not apply this product or aerate the structure/enclosure in a way that will contact workers or other persons, either directly or through drift. Aerate structures/enclosures only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction and temperature inversions. Only protected handlers may be in the area during application. Consult Agricultural Experiment station or Extension Service pomology specialists for current recommended DPA treatment practices for local apple varieties.

Recommendations

- Treat only dry fruit as received from the field
- Apply to fruit within 10 days after harvesting
- In case of treatment of a room that is not completely filled, calculate the dosage of Decco No Scald DPA Aerosol by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit

Application Rate

Commodity	Application Rate per Tonne
Apples	4.0 - 7.0 g*

*Use the lower application rate on less susceptible varieties. Consult with pomology specialists for DPA application rate recommendations for specific apple varieties.

Preparation of Decco No Scald DPA Aerosol

- Calculate the amount of Decco No Scald DPA Aerosol according to the table above.
- Weigh the amount to the nearest gram into a 1-gallon stainless steel container.
- Cover and place the container on an electrical heater and melt the Decco NO SCald DPA Aerosol at 180°F

Thermal Fogger Operation

- Place the thermal fogger machine horizontally outside the treatment room at a height of about 3 feet from the floor. Cover the door or window to the treatment room with a plastic sheet and insert the fogging pipe through a hole in the plastic. Seal the opening around the nozzle with duct tape.
- Adjust the pump and mount the nozzle to deliver up to 120 mL per minute.
- Turn on the thermal fogger machine
- Insert the insulated input pipe into the molten Decco No Scald DPA Aerosol. Start the pump. Keep the molten Decco No Scald DPA Aerosol temperature at 160-180°F

Application Procedures

- DO NOT breathe any fog.
- Turn off room cooling systems and humidifiers 12 hours prior to and during treatment
- Turn off room circulation fans immediately prior to and during treatment
- Turn on room circulation fans one hour after the treatment.
- Allow the fog totally to disappear (about 5 hours post-treatment) before restarting cooling systems
- DO NOT rinse apples after treatment and before placing into storage. Apples may go through normal washing process in the packing house.
- DO NOT use treated apples for pomace or livestock feed as illegal residues may occur in meat or milk
- DO NOT wrap apples in Diphenylamine-treated paper
- Fruit must have shipping carton marked: “Treated with Diphenylamine to retard spoilage.”
- DO NOT apply to fruit treated with diphenylamine prior to harvesting.

Re-Entry

Entry into the treatment area by another person other than properly trained and equipped handlers is prohibited from the start of application until the treated area is ventilated as follows and the air concentration of diphenylamine is below 10 mg/m³:

- 8 hours with no ventilation followed by 1 hour of mechanical ventilation
- 24 hours with no ventilation

In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (SCBA, MSHA/NIOSH approval number prefix TC-13F) in addition to PPE (except full face respirator) listed under the PRECAUTIONARY STATEMENTS.

Only a detection device of sufficient sensitivity can be used to confirm an air concentration of diphenylamine of 10 mg/m³ or less. These detection devices must be calibrated according to manufacturer recommendations. The air concentration of diphenylamine must be monitored in breathing zones in and around the structure/enclosure.

Check for Post-Treatment Signs of Scald

In years of severe scald development, Decco No Scald DPA Aerosol may not give desired control or other factors may reduce its effectiveness. After several months of storage, collect samples of fruit periodically (every 2 or 3 weeks) and hold them at room temperature to assess scald development. Fruit lots showing scald can often be marketed immediately.

DISPOSAL:

1. Thoroughly empty the contents of the container into the application device.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufactures and the provincial regulatory agency in case of spill, or for clean up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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