



## DECCO NOSCALD DPA AEROSOL\* "THE DRY FOG"

### **Clean, Effective and Environmentally Friendly Method of Apple Scald Control**

DPA (Diphenylamine) is the most effective apple scald inhibitor available. It is commonly applied as a postharvest drench treatment. However this aqueous application method generates huge amounts of spent emulsion that has to be disposed of according to current laws and regulations. In addition the reuse and recirculation of the emulsion leads to accumulation of disease causing pathogens.

To overcome the above disadvantages and speed up the treatment process, Decco took the approach of developing an aerosol application process with the highest DPA concentration possible. After conducting several research trials we decided for pure DPA as the end use product. Using pure molten DPA as an aerosol eliminated the use of solvents and surfactants and consequently reduced the environmental impact. In addition, it cut down the application time by 90% compared to available fogging methods

- Aerosol resulting in smaller particle sizes.
- Application of the DPA in partial carbon dioxide atmosphere to avoid its oxidation.
- Consideration that carbon dioxide is a component of CA condition and its concentration is managed during the storage period.
- Flexibility of moving and operating the lightweight fogging machine anywhere.
- Independence of high voltage electrical power source.

#### **Additional Advantages of Decco DPA Aerosol Process:**

- Very environmentally friendly. All DPA is utilized. No other ingredients.
- Produces no condensates. No need for covering of top bins.
- Rapid application. 90% faster than other available process. Cuts heat stress on fruit.
- Simultaneous application of pure fungicides. Cuts heat stress on fruit.
- Safe handling and storage. No bulky packaging.
- Less decay and staining of fruit due to non-aqueous application.
- No need of container rinse and disposal.
- No need of extra bin spacing and rearrangement.

\* patent pending



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