

POST HARVEST POME FRUIT TREATMENT BY THERMAL FOGGING

General Information

Application Restrictions

Only one application of ecoFOG-160 may be applied postharvest on pome fruits by electrofog machine. Do not apply to fruit that has been previously treated with pyrimethanil via drench or dip/wash application. Apply only by electrofog machine.

Preparation for Fogging

- Treat only dry fruit as received from the field.
- Apply to fruit as close to harvest as possible and no more than 15 days after harvesting, prior to placing in storage.
- Before treatment, protect fruit in bins at the top of each stack with plastic liners, cardboard or Kraft paper sheets. Also protect fruit directly in front of the fogging equipment with liners or sheets from top to bottom.
- When treating rooms that are less than 75% full, calculate the dosage of ecoFOG-160 by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

Application Rate

Apply 60 grams of ecoFOG-160 per metric tonne (2200 lb) of fruit (or 1.9 oz. per US ton).

Electrofogger Operation

- Place the Electrofog 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. Place a bucket under the nozzle to catch any drops. Seal the opening around the nozzle with duct tape so no fog can escape during treatment.

- Set the Electrofog machine resistance temperature between 500° to 600°C.
- Insert input pipe into product container and start pump. Stop pump when product reaches the pump body.
- Start fan and resistance, and start pump again when fog exit temperature reaches 180°C. Adjust pump as necessary during operation to maintain 180°C.

Application Procedures

- Do not breathe 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.
- Allow the fog to stay overnight or until the fog has totally disappeared (about 5 hours post-treatment) before restarting fans and cooling systems.
- DO NOT rinse fruit after treatment.

Method

[Fogging](#)

Rates

[field rates 0](#)

[field rates 1](#)

[field rates 2](#)

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Timings

[Post-harvest](#)