



KURT P. HENKE  
Fire Chief

# Sacramento Metropolitan Fire District

## Community Risk Reduction Division

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## FRUIT AND CROP RIPENING CHECKLIST

An operational permit is required to operate a fruit or crop-ripening facility or conduct a fruit-ripening process using ethylene gas.

### Ethylene Gas

- Ethylene gas is discharged only into approved rooms.

### Dispensing

- Valves controlling discharge of ethylene provide positive and fail-closed control of flow and are set to limit the concentration of gas in air below 1,000 parts per million (ppm).

### Ignition Prevention

- Sources of ignition are controlled or protected.

### Static electricity

- Containers, piping and equipment used to dispense ethylene are bonded and grounded to prevent the discharge of static sparks or arcs.

### Lighting

- Lighting is by approved electric lamps or luminaries.

### Heating

- Heating is by indirect means utilizing low-pressure steam, hot water, or warm air.

### Housekeeping

- Empty boxes, cartons, pallets and other combustible waste are removed from ripening rooms or enclosures and disposed of at regular intervals.

Ethylene generators

- Ethylene generators are listed and labeled by an approved testing laboratory.
- Ethylene generators are installed as approved by the Fire District.
- Approved warning signs indicating the danger involved and necessary precautions are posted on door and entrances.

Additional requirements may apply.