



Sacramento Metropolitan Fire District

Community Risk Reduction Division

www.metrofire.ca.gov

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FRUIT AND CROP RIPENING CHECKLIST

California Fire Code Chapter 25

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

Conditions

- Ethylene gas is discharged only into approved rooms. (CFC 2503.1)
- 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). (CFC 2503.2)
- Sources of ignition are controlled or protected. (CFC 2504.1)
- Containers, piping and equipment used to dispense ethylene are bonded and grounded to prevent the discharge of static sparks or arcs. (CFC 2504.3)
- Lighting is by approved electric lamps or luminaries. (CFC 2504.4)
- Heating is by indirect means utilizing low-pressure steam, hot water, or warm air. (CFC 2504.5)
- Empty boxes, cartons, pallets and other combustible waste are removed from ripening rooms or enclosures and disposed of at regular intervals. (CFC 2505.1)

Ethylene generators

- Ethylene generators are listed and labeled by an approved testing laboratory. (CFC 2506.1)
- Ethylene generators are installed as approved by the Fire District. (CFC 2506.1)
- Approved warning signs indicating the danger involved and necessary precautions are posted on door and entrances. (CFC 2507.1)

Additional requirements may apply.