

Treatment Schedules

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T101-j-2-1 Clementine (Tangerine), Grapefruit, Orange From Mexico and Quarantine Areas of the U.S.

The treatment schedules include chemical and nonchemical treatments. Treatment recommendations are based on uses authorized under provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended. Treatment schedules are administratively authorized by APHIS to prevent the movement of agricultural pests into or within the United States.

Header

Commodities Approved Names:	Clementine (FIFRA S18:No) Grapefruit (FIFRA S18:No) Orange (FIFRA S18:No) Tangerine (FIFRA S18:No)
Commodities Scientific Names:	Citrus paradisi (FIFRA S18:No) Citrus reticulata (FIFRA S18:No) Citrus sinensis (FIFRA S18:No)
Pest Common Name:	Fruit Fly
Pest Scientific Name:	Anastrepha
Countries /Regions:	Mexico
Plant Part:	Fruit
Processed State:	Fresh
Intended Use:	Not for Planting or Propagation

Important Information

- 1 Load limit not to exceed 80 percent of chamber capacity. Inspect a representative sample of the fruit. If the level of infestation with fruit flies is more than 0.5 percent for the lot, then the fruit is ineligible for fumigation.
- 2 **Only** commodities listed on the fumigant label, or with a current FIFRA Section 18 exemption or FIFRA 2(ee) Recommendation are authorized by the Environmental Protection Agency (EPA) to be fumigated. Always check to be sure the commodity is listed on one of these authorities. Commodities **not** listed on the fumigant label, or FIFRA Section 18 exemption or FIFRA 2(ee) Recommendation, are **not** authorized for fumigation with the manufacturer's fumigant. To comply with State regulations, the fumigant **must** also be registered in the State where it is being used.

Alerts

The temperature was changed from a minimum of 70 °F to 80 °F administratively in October 2005 due to interceptions of live *Anastrepha* larvae.

Treatment Info

Units of Measure

The units of measure for the Treatment Table below are as follows:

- Dosage rate is displayed in pounds per thousand cubic feet (lb./1,000 ft³)
- Minimum gas concentration readings are displayed in ounces (oz.) Note: Concentration readings are required for tarpaulin treatments, not chamber treatments.

Treatment Table

Treatment Method Group	Chemical Treatment	Treatment Table Type	Exposure
Treatment Method	Methyl Bromide	Temperature	
Treatment Method Subtype	NAP Chamber		

Min Temp F	Max Temp F	Dosage Rate	Exposure Period	Exposure Units
80	And above	2.5	2:00	hrs:min

Caution

! CAUTION

Methyl bromide may adversely affect the shelf life of fresh fruits and vegetables, the viability of dormant and actively growing plants, and the germination of seed.

Authority

Name	Description	Statute URL
7 U.S.C. Sec 136	Codification of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)	https://www.govinfo.gov/content/pkg/USCODE-2012-title7/html/USCODE-2012-title7-chap6-subchapII-sec136.htm
7 CFR 305	Phytosanitary Treatments	https://www.ecfr.gov/cgi-bin/text-idx?SID=dd0e129c993786dfb2ba36e92530b0fb&mc=true&node=pt7.5.305&rgn=div5

Procedures

Document Name	Document Type
Treatments Procedure - Methyl Bromide - Chamber Fumigation	Procedures
Treatments - Special Procedures for Adding Gas and Extending Exposure Period - Tarpaulin Fumigation	Procedures

Glossary

Name	Definition
Methyl bromide	