

§ 305.23

7 CFR Ch. III (1-1-10 Edition)

(3) Cooling and waxing the fruit are both optional and are the sole responsibility of the processor.

§ 305.23 Steam sterilization treatment schedules.

Treatment schedule	Temperature (°F)	Pressure	Exposure period (minutes)	Directions
T303-b-1		10 lbs	20	Use 28" vacuum. Steam sterilization is not practical for treatment of bales with a density of greater than 30 pounds per cubic foot.
T303-b-2		10 lbs	20	
T303-d-2	260	20 lbs	15	Use 25 Prime vacuum. Steam at NAP, tarpaulin or tent. For treatment enclosures of 4,000 ft ³ or less, the minimum air temperature must be 40 °F. For treatment enclosures greater than 4,000 ft ³ and less than or equal to 6,000 ft ³ , the minimum air temperature must be 60 °F. Treatment is not recommended for treatment enclosures greater than 6,000 ft ³ .
	250	15 lbs	20	
T309-c	240	10 psi	20	
T406-d	140	NAP ¹	60	
T408-b	250	15 psi	30	Preheat laboratory autoclaves. Restrict soil depth to 2 inches when treating quantities of soil in trays. Restrict each package weight to 5 pounds or less when treating individual packages. Load with adequate spacing. Large commercial steam facilities that operate at pressures up to 60 pounds psi will permit treatment of greater soil depth.
T503-1-3 or T503-2-3 (nonbaled).	240	NAP	10	Introduce live steam into a closed chamber containing the material to be treated until the required temperature and pressure are indicated. The temperature/pressure relationship must be maintained at or above this point for the required exposure period. No initial vacuum is needed, but air must be released until steam escapes.
T503-1-3 or T503-2-3 (baled).	240	10 lbs	20	
T504-1-2, T504-2-2	242	10 lbs	20	
T506-2-3 Loose masses of material.		20 lbs	10	
		15 lbs	15	
		10 lbs	20	
T506-2-3 Closely packed material (such as soil).				Exhaust the air in the chamber to a high vacuum, and then introduce live steam until the required positive pressure is reached.
T510-1	212			Live steam from jet of nozzle into loose masses of material until all parts reach 212 °F.
T518-2-2	260	20 lbs	15	Introduce steam into 28" vacuum.
	250	15 lbs	20	
T519-1		10 lbs	20	
T519-2	259	20 lbs	10	
	240	10 lbs	20	Introduce steam into 28" vacuum (or if without initial vacuum, "bleed" air until steam vapor escapes).

¹ Normal atmospheric pressure.

[70 FR 33269, June 7, 2005, as amended at 70 FR 41092, July 15, 2005]

§ 305.24 Vapor heat treatment schedules.

(a) *T106-a-1, T106-a-2, T106-a-3, T106-a-4.* (1) The temperature of the fruit pulp must be increased gradually to 110 °F until the center of the fruit reaches that temperature in 8 hours.

(2) The fruit temperature must be held at 110 °F for 6 hours.

(b) *T106-a-1-1.* (1) The temperature of the fruit pulp must be increased to 110 °F until the center of fruit reaches that temperature in 6 hours. During the first 2 hours, the temperature must be increased rapidly. The increase over the next 4 hours must be gradual.

(2) The fruit temperature must be held at 110 °F for 4 hours.

(c) *T106-b-1, T106-b-2, T106-b-3, T106-b-4, T106-b-5, T106-b-6, T106-b-7, T106-b-8.* The temperature of the article must