

USDA APPROVED DISINFECTANTS

- I. **Treatment of Fresh Fruit.** (7CFR 301.75-11a). Regulated fruit for which treatment is required by this subpart must be treated in one of the following ways at a commercial packinghouse whose owner operates under a compliance agreement under §301.75-7(a)(2); treatments can be accomplished using immersion baths or sprays, with or without roller brushes:
- A. **Chlorine** (sodium hypochlorite) (7CFR 301.75-11a(1)). The regulated fruit must be thoroughly wetted for at least two minutes with a solution containing two hundred parts per million (200 ppm) sodium hypochlorite with the solution maintained at a pH of 6.0 -7.5; or
 - B. **SOPP** (sodium o-phenyl phenate) (7CFR301.75-11a(2)). The regulated fruit must be thoroughly wetted with a solution containing sodium o-phenyl phenate (SOPP) at a concentration of 1.86 to 2.0 percent of the total solution, for 45 seconds if the solution has sufficient soap or detergent to cause a visible foaming action or for one (1) minute if the solution does not contain sufficient soap to cause a visible foaming action; or
 - C. **Peroxyacetic Acid** (7CFR 301.75-11a(4)). The regulated fruit must be thoroughly wetted for at least one minute with a solution containing 85 parts per million peroxyacetic acid.
- II. **Treatment of Packinghouse Equipment.** (7CFR301.75-11d). Equipment, and other articles for which treatment is required by this subpart must be cleaned and disinfected by removing all plants, leaves, twigs, fruit, and other plant parts from all areas of the equipment and by wetting all surfaces to the point of runoff, with one of the following disinfectants:
- A. **Chlorine** (sodium hypochlorite) (7CFR301.75-11d(1)). A 200 ppm solution of sodium hypochlorite with a pH of 6.0 - 7.5; or
 - B. **Quaternary ammonium chloride** (QAC) (7CFR301.75-11d(2)). A 0.2 percent (2000 ppm) solution of quaternary ammonium chloride; or
 - C. **Hot water and Detergent** (7CFR301.75-11d(3)). A solution of hot water and detergent, under high pressure (at least 30 psi), at a minimum temperature of 160 F°; or
 - D. **Steam** (7CFR301.75-11d(4)). Steam, at a minimum temperature of 160 F° at the point of contact; or
 - E. **Peroxyacetic Acid** (7CFR 301.75-11a(4)). A solution containing 85 parts per million peroxyacetic acid. (For Indoor Use Only)