



## RECOMMENDED SOLUTIONS

(Knowledge Base > Maintenance > General)

### Detergent Solution

Dilution: 5 ml / 32 ounces of water (standard spray bottle size)

### Surface Contact Sanitizer Solution (SaniDate 5.0)

A hydrogen peroxide based sanitizer is used to disinfect contact surfaces and tools like the work table, walls, floors, and harvest tool. SaniDate 5.0 can only be used to clean contact surfaces and in post harvest applications. It CANNOT be used with living plants. Therefore, SaniDate 5.0 must dry completely before a plant comes into contact with that tool or surface.

- **Dilution for contact surfaces:**
  - 0.32 ounces / 2 gallon water (larger sprayer)
  - 2.3 ml / 32 ounces of water (standard spray bottle)

### Plant Safe Sanitizer Solution (ZeroTol 2.0)

Sanitizer is used to reduce bacteria, algae, and fungus in your farm and water tanks. ZeroTol 2.0 is a hydrogen peroxide based sanitizer and can be used with living plants by applying directly to the water tanks or to the leaves of the plants.

According to the label, there is no REI or Pre-harvest Interval for safe use of ZeroTol 2.0. Follow personal protective equipment (PPE) as indicated on the label using ZeroTol 2.0 and Sanidate 5.0, including wearing chemical resistant gloves, eye protection, long pants, and long sleeves shirt. Can use a respirator with organic pre-filters if sensitive to acetic acid.

- **Dilution for general sanitizing:**
  - 38ml / 1 gallon water
  - 9ml / 32 ounces of water (standard spray bottle)
- **Dilution for applying topically to plants:**
  - Reactively: 9ml / 32 ounces water
  - Preventively: 2mL / 32 ounces water
- **Dilution to be used in water tanks (bi-weekly):**
  - 103ml or 3.5 ounces for main tank
  - 30ml or 1 ounce for the seedling tank

### pH Down

- Add 20 fl oz liquid to the seedling pH delivery tank and top off with water
- Add 40 fl oz liquid to the main pH delivery tank and top off with water

### Nutrient Solution (American Hydroponics)

Add each part (A and B) to separate 5-gallon buckets. Fill both buckets with water and mix to incorporate. Allow to settle at least 4 hours before adding to delivery tanks. DO NOT RE-MIX and be sure to only skim the solution from the top of the bucket when filling the delivery tanks. You can use a funnel lined with cheesecloth for additional straining.



## **MAINTENANCE SCHEDULE AT A GLANCE**

### **As Needed or Daily Tasks:**

- Trash Removal
- Seedling Table
- Algae Wipe-Down
- Trays
- Columns
- Seedling Trough
- Delivery Tanks
- EC and pH Sensors
- Dehumidifier Air Filters
- Scrub Gutter Screens

### **Bi-weekly Tasks:**

- Great White
- Plant Safe Sanitizer Solution
- Hydro Sensor Calibration
- Air Conditioner Fins

### **Monthly Tasks:**

- Walls
- Emitters
- Gutters
- Floor
- Spin-Down Filter

### **Quarterly Tasks:**

- Climate Sensor Calibration
- Water Turnover

### **Biannual Tasks:**

- Level Farm
- Saturation Strips
- Dehumidifier Water Filter