



# StorOx

BROAD SPECTRUM BACTERICIDE/FUNGICIDE

StorOx is a post-harvest treatment ideal for use in the sanitization of fruits and vegetables, equipment, vehicles, storages and wash waters. StorOx works through a powerful activated peroxygen reaction, killing bacterial and fungal disease as well as slime-forming algae on contact.

### About StorOx:

- Reduces spoilage
- Extends shelf-life
- No residual
- Reduced-risk chemistry
- Exempt from tolerances
- Non-corrosive
- Organic allowed

Specially formulated as a post-harvest treatment, StorOx is used for the sanitization of fruits and vegetables during processing and throughout storage. Because it is non-residual, StorOx leaves behind no harmful chemical by-products.

### How Can StorOx Be Used?

- Direct inject into dump tanks, hydro coolers and spray waters on process lines
- As a spray treatment for newly harvested crops
- Fog enclosed areas
- Add to a foaming agent for sanitizing surfaces

Through its unique patented chemistry, StorOx reduces spoilage and extends the shelf life of produce by suppressing bacterial and fungal disease and slime-forming algae with no adverse effects to equipment or personnel. StorOx is an earth-friendly product that is completely non-toxic, non-residual and biodegradable.

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## APPLICATION DIRECTIONS

### For surfaces, equipment and structures:

StorOx can be used to suppress/control bacteria, fungi and slime-forming algae on surfaces, equipment and structures such as: walkways, floors, walls, watering systems, vats, tanks, coolers, storage rooms, spray equipment, conveyors, irrigation systems, process equipment, process water systems, trucks, structures and related equipment. Treatment of any food contact surfaces, equipment or structures must be followed with a potable water rinse.

- 1) Sweep and remove all debris. Use power sprayer to wash all surfaces to remove loose dirt and/or organic material.
- 2) Use a dilution of 1:100 – 1:300 or 1¼ fl. oz. – ½ fl. oz. per gallon of clean water. Use a dilution of 1:50 or 2½ fl. oz. per gallon of clean water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits. Additional surfactant may be added, if needed.
- 3) Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces.

Enclosed areas can also be fogged as an adjunct to manual surface application. Wear protective eyewear (goggles or face shield) when fogging. Prior to fogging, surfaces should be pre-cleaned with water to remove any organic deposits. Fog the desired areas using dilution rates of 1:50 – 1:300, or 2½ fl. oz. – ½ fl. oz., using any type of fogging equipment including but not limited to cold foggers, thermal foggers, low pressure air assisted and high pressure fog systems. Solutions may be corrosive to materials that are easily oxidized such as natural rubber, copper, galvanized and black iron pipe. Test solutions on surfaces prior to use.

- 4) Treatment of any food contact surfaces, equipment or structures must be followed with a potable water rinse.
- 5) Heavy growths of algae and fungi may have to be scrubbed off following application. Use a solution of StorOx to wash away dead growth.
- 6) Reapply as often as needed for control.

### For clean, non-porous surfaces:

Pots, flats, trays: Use a dilution of 1:100 – 1:300 or 1¼ fl. oz. – ½ fl. oz. per gallon of clean water. Spray until runoff. Additional surfactant may be added, if needed.

### For direct injection into spray waters used on process lines:

Treat water containing plant pathogens by injecting StorOx directly into spray system water with 12.8 fl. oz. of StorOx for every 100 gallons of water or use a dilution rate of 1:1000. Applicable for use on all types of postharvest commodities.

### For direct injection into dump tanks, hydro coolers and process waters:

For treatment of water containing plant pathogens, StorOx can be injected and a predetermined residual level can be maintained by using metering equipment, coupled with ORP measuring probes.

- 1) Determine biological loading prior to treatment if possible.
- 2) For waters that contain low levels of biological and organic loading inject StorOx at 2½ fl. oz. – 1¼ fl. oz. of StorOx for every 100 gallons of water or at a dilution rate of 1:5000 – 1:10,000.
- 3) For clean water inject StorOx at 1¼ fl. oz. – ⅝ fl. oz. of StorOx for every 100 gallons of water or at a dilution rate of 1:10,000 – 1:20,000 to prevent the formation of algae, bacteria and fungi.

### Treatment for nonpotable water systems (wash tanks, dip tanks, drench tanks, evaporators, humidification systems and/or storage tanks):

Treat water containing plant pathogens with 1½ fl. oz. of StorOx for every 10 gallons of water or use a dilution rate of 1:2000.