



StorOx[®]
Broad Spectrum Bactericide/Fungicide

NEED TO KNOW

**A chlorine alternative post-harvest tool that extends shelf life
and reduces spoilage of stored crops**

- EPA Registered
- OMRI Listed for Use in Organic Production
- Zero-Hour Restricted Entry Interval
- Reduction of Spoilage Organisms
- Extension of Shelf Life
- Exempt from Tolerance for Pesticide Residue

WHAT IS STOROX?

StorOx is a broad spectrum bactericide/fungicide treatment for the prevention and control of plant pathogens that cause spoilage for all post harvest and food processing and storage applications.

WHAT ARE THE ACTIVE INGREDIENTS?

Activated Peroxygen Chemistry (APC):

- 27% Hydrogen Dioxide
- 2% Peroxyacetic Acid

WHAT IS APC?

Activated Peroxygen Chemistry is a highly stable chemical technology utilizing hydrogen dioxide, peroxyacetic acid, and proprietary stabilizers and buffers. Bundling these chemistries together creates a highly stable and powerful fungicide/bactericide providing immediate pathogen knockdown and prevention. A unique benefit in StorOx is the inclusion of the highly engineered stabilizers and buffers that help slow down the reaction process allowing for extended contact time and providing an efficient and highly effective pathogen knockdown.

HOW SHOULD STOROX BE USED?

StorOx kills fungus, bacteria, and molds on contact, stopping infection in its tracks.

- Cost effective preventative applications
- Ideal tank mix partner for residual chemistries (See label for mixing instructions.)
- Resistance management tool (zero mutational resistance)

WHAT IS STOROX'S MODE OF ACTION?

StorOx uses an oxidation chemical reaction to kill bacteria, fungus, and molds. More specifically, StorOx reacts on contact with the enzymes and proteins that make up simple cell plant pathogen organisms.

WHERE CAN STOROX BE USED?

StorOx can be used in the following applications:

- Dip Tanks
- Hydraulic Sprayers
- Dump Tanks
- Flumes
- Spray Bars
- Fogging Systems
- Hydro Coolers
- Evaporative Coolers
- Foamer Applicators
- Foggers

HOW "SAFE" IS STOROX?

StorOx is OMRI listed for use in organic production, has a zero-hour REI (four-hour REI in California), zero days to harvest and there is no bioaccumulation in tissue or the environment. The dilute working solution of StorOx does not require the use of eye protection or respirator by applicators or handlers.

DOES STOROX REQUIRE A FINAL RINSE?

StorOx is exempt from EPA pesticide tolerance requirements and as such, it does not require any final rinse.

WHAT ARE STOROX'S PHYSICAL PROPERTIES?

StorOx is a clear, colorless liquid.

DO YOU NEED TO ADJUST THE pH OF WASH WATER?

Unlike chlorine-based products, StorOx is effective under a wide range of water pH conditions, ranging from 2-12, so there is no requirement to acidify your water.

DOES STOROX OFF-GAS?

StorOx is a liquid within a liquid, so unlike chlorinated products, which off-gas when the water pH is not neutral or when the water temperature is elevated, StorOx is stable and will either react with contaminants or evaporate.

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DOES STOROX HAVE ANY DISCHARGE RESTRICTIONS?

StorOx does not generally have any wastewater discharge restriction, as is the case with chlorinated products. Always check with your local regulations regarding waste discharge regulations.

HOW DO I TEST FOR STOROX RESIDUAL?

BioSafe Systems can provide simple colorimetric test kits that will allow the user to determine residual concentration of StorOx in water. Portable ORP meters are also available.

WHAT SIZES DOES STOROX COME IN AND HOW MANY ARE ON A PALLET?

SIZE	# ON PALLET
5 gallon	32 per pallet
30 gallon	5 per pallet
55 gallon	4 per pallet
275 gallon	1 per pallet

Freight is included on all FULL pallet quantity orders shipped to locations in the continental USA.*

**Only applicable for ONE shipping location*

WHAT IS THE RATE FOR STOROX??

StorOx has a number of rates that may be used for various applications. See label for full range of application rates.

Use StorOx to suppress/control bacteria, and fungi in dump tanks, hydro coolers, process lines, flumes, produce washing systems, seed germination chambers or watering systems and other process waters for whole or cut/processed post harvest commodities.

FOR WATER TREATMENT:

Application	Frequency of Application	Directions	Direct Injection
Water Treatment	Maintain Residual Level	Water treatment applications may be made through a chemical proportioning system. To verify residual levels in water, utilize BioSafe Systems Test Strip Kits.	1:1,000 – 1:5,000

FOR SPRAY BAR TREATMENT:

Application	Frequency of Application	Directions	Direct Injection
Spray Bar	Continuous	Direct inject into water used for spray bar wash treatments.	1:100 – 1:500

