

FAQ Jet-Oxide™

What is Jet-Oxide™?

Jet-Oxide™ is an EPA registered sanitizer that can be used in the washing of fresh fruits and vegetables.

What is peracetic acid?

Peracetic acid is an oxidizing chemical that is very effective as a sanitizer. Jet-Oxide™ is an EPA registered, stabilized formulation of peracetic acid that contains hydrogen peroxide and acetic acid. Peracetic acid based sanitizers are used throughout the food industry because of their value as a powerful antimicrobial.

Can I use Jet-Oxide™ on my organic produce?

In September of 2005, the United States Department of Agriculture (USDA) updated the National Organic Program (NOP) rules in 7 CFR Part 205 to allow peracetic acid use in wash / rinse water and on food contact surfaces in organic processing. Jet-Oxide™ is a registered material for use in organic agriculture in compliance with the USDA NOP as certified by the Washington State Department of Agriculture, a USDA accredited organic certification agency.

What are the advantages of Jet-Oxide™ vs. other products for produce washing?

The active ingredient in Jet-Oxide™ is peracetic acid, a powerful oxidizer that is used in many segments of the food industry. Unlike some other products, Jet-Oxide™ does not leave behind potentially corrosive salt residuals, and does not form unwanted byproducts such as chloramines or trihalomethanes (THMs). In fact, Jet-Oxide™ does not have to be rinsed from food contact equipment surfaces or fresh produce after application.

How do I use Jet-Oxide™ in my packinghouse?

Highland Fresh Technologies recommends use of Jet-Oxide™ as a non-recovery spray over brushes during the washing process. The product can be injected into the spray manifold provided you have a proper method of preventing backflow of sanitizer into your water supply system.

Do I need a special application system for Jet-Oxide™?

No, there is no specialized equipment required to use Jet-Oxide™. For application in non-recovery spray applications to raw produce in the packinghouse, you will need to mix or inject Jet-Oxide™ at a rate of 3.5 ounces per 16 gallons of potable water. A chemical resistant injection pump and compatible tubing will be needed if you intend to inject the product into a spray manifold system. If injecting into a water line, ensure that backflow prevention devices, such as a reduced pressure zone (RPZ) backflow prevention unit, is properly installed and functioning to prevent the product from reaching your water source or other outlets should backflow conditions occur.

Do I need additional equipment to control pH?

Unlike sodium hypochlorite (chlorine bleach), Jet-Oxide™ is effective across a broad pH range (pH 3.0-8.5). Because of its acidic pH, non-recycled solutions of Jet-Oxide™ typically do not require pH adjustment to ensure that they are within the preferred range. It may be necessary for you to monitor treatment solution pH if your quality control, GAP or other record keeping program calls for this, but you should not have to adjust the solution pH to stay within the desired range if using the product according to label directions.

What other advantages are there in using Jet-Oxide™?

In many packinghouses, water used in washing produce comes from a well. Water quality can vary significantly from site to site, and water hardness (high levels of calcium and magnesium) can be an issue. The acidic properties of Jet-Oxide™ reduce hard water deposits in spray nozzle tips, reducing maintenance required to sustain the optimal spray pattern from washing nozzles.

How do I measure Jet-Oxide™?

Jet-Oxide™ concentration can be measured by using any of the variety of test kits available for peracetic acid. There are easy to use test strips available for measuring PAA.

Are there any special precautions required in working with Jet-Oxide™?

Jet-Oxide™ contains peracetic acid and hydrogen peroxide. The product should be protected from being contaminated with any organic matter, metals, and alkaline products that could react with the concentrated product in the drum and cause it to destabilize. It is important to store drums of Jet-Oxide™ away from heat sources and out of the sun. Follow the product MSDS recommendations regarding personal protective equipment when working with the concentrated product.

1-888-395-5000

www.highlandfresh.net

