BioDox™

Pathogen Prevention

Plant Life Cycle	CLONE		VEG				FLOWERING							
WEEK			W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Soil Sterilization	25ppm		25ppm											
Root Drench		2.5ppm		2.5ppm		2.5ppm	2.5ppm		2.5ppm					
Foliar Spray			25ppm			25ppm		25ppm		25ppm		25ppm		25ppm

Infection Outbreak Control

Plant Life Cycle	CLONE		VEG				FLOWERING							
WEEK			W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Soil Sterilization	25ppm		25ppm											
Root Drench		2.5ppm			2.5ppm		2.5ppm		2.5ppm		2.5ppm			
Foliar Spray		25ppm		25ppm		25ppm		25ppm		25ppm	25ppm	25ppm	25ppm	25ppm

Biodox can be used anywhere and on anything to promote a sterile environment and stop the spread of agricultural pathogens. With two and half times more oxidation than bleach, lower corrosion than hydrogen peroxide and no toxic residue, Biodox offers an alternative approach to solving agricultures' toughest problems. When incorporated into an Integrated Pest Management (IPM) program, Biodox promotes a clean, aerobic environment for beneficial microbes to thrive and maintain the terrain to support the plant's natural immunity to infections, reducing crop loss and increasing yields.

Soil Sterilization

Soil Sterilization is a critical step to insure that colonies of pathogens are reduced or eliminated before the plants are introduced to the soil. This is accomplished by using a 25ppm solution of Biodox in the water system for the farm. This solution travels from the water tank through the pipes and emitters to then fully saturate the soil. Depending on conditions, 60-80 gallons per yard is applied and allowed to completely dry back. It is recommended to allow the product to dissipate for three days before introducing new plants into the soil. Biodox is a gas in solution and will completely dissipate. Additional benefits of this approach include cleaning the tank, lines and emitters of biofilm. Soil Sterilization is recommended at the beginning of the growing season, or between harvesting and planting the next round.

Root Drench

Root Drench is a soil treatment with Biodox performed while the plant is in the soil. The dosage is one tenth of the dosage used for soil sterilization. A preventative approach includes using a 2.5ppm solution regularly and a 5ppm solution if there are symptoms of infection. The root drench method allows for colonies of pathogens to be reduced without destroying good microbes or causing lock out. This allows the beneficial microbes an opportunity to dominate the terrain. Apply product through the watering system during the watering cycle between feedings. Allow the soil to dry back as much as possible until plants begin to shows signs of wilt, then resume watering and feeding as usual. For preventive maintenance use a 2.5ppm (1oz per ten gallons) solution every other week throughout Veg and the first six weeks of flowering, drying back after each application. If there is an infection, use Biodox at a 5 ppm solution (2oz per ten gallons) every week until symptoms subside and then every other week until harvest.

Foliar Spray

Foliar applications are critical to maintain a sterile environment. Third party studies show that using Biodox as a plant wash removes biofilm from the leaves allowing for greater photosynthesis, creating higher yields and terpenes. Most importantly, Biodox targets pests like PM, Boytritis, and many others agricultural pathogens by selectively oxidizing them in a way no other chemical does. It discourages and oxidizes small pests like mites, aphids and thrips without toxicity or residue. Biodox can be used during the curing phase after harvest to discourage spider mites or pm without reducing THC or terpene content. Biodox is completely non-toxic and made of compounds not tested for in DCC testing, making it ideal for the last weeks of flowering.