THE EMERALD CONFERENCE
Produced by MJBizScience

February 27 - March 1, 2022
www.TheEmeraldConference.com

Root Propagation and Powdery Mildew (PM) Treatment Studies of Various Antimicrobial Solutions on Strains of Cannabis Sativa

Presenter: Arnold Howard, Director of Quality and R&D, Terra Vera

Abstract: This presentation provides results from R&D efforts to study the effects of antimicrobial solutions on Cannabis cultivation and production. The Cannabis industry is growing at an explosive rate and the regulations governing the cultivation, processing and distribution are rapidly evolving as well as highly fragmented on a state-by-state basis. Due to increasing competition, Cannabis operators are under tremendous market pressures to decrease costs and increase product differentiation even as they face increasing regulatory scrutiny. One of the key threats to most cultivators are microbial pest pressures from molds, mildews, fungus, bacteria, and other pathogens that can damage crop value or make it noncompliant and unsellable. Consequently, we have studied the effects of various antimicrobial solutions generated electrolytically using commonly available salts and amino acids when used on crops at various stages from propagation to post harvesting. Data was collected to assess ability to control common pathogen threats such as PM and similar contamination as well effect on product quality. Observations also include data on overall room cleanliness, efficacy, root propagation times and operator safety impact. Recent results and statistically analyzed data from relevant R&D efforts will be shared. Finally, worker safety and environmental sustainability impacts of these treatments will be shared.