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Application of Electrolyzed Water in Agriculture

A promising area for the application of electrolyzed water is agriculture. Although the whole concept is relatively new, it has already been clearly shown that electrolyzed water can be suitable for use in multiple pre- and post-harvest applications. Plant irrigation using electrolyzed water has been successful for mitigation of pathogens as well as showing antibacterial effects against pathogens. Hence, electrolyzed water has the capability to be used as an agent for the mitigation of plant disease as well. Several plant diseases have been mitigated successfully so far using electrolyzed water. Furthermore, the technology fits well to be used for seed germination, product improvement, and yield increase too. Another relatively new application for electrolyzed water is in the production of flowers and foliage. There is still need for further evaluation of electrolyzed water for this purpose as well as testing it on more types of flower, but so far the technology has been useful as tested. The electrolyzed water technology is known for decades, but its application in agriculture is rather new. Combining the technology with other suitable methods for better efficiency is another possibility for future improvement in results as well as expanding the range of application. Some of these include but are not limited to ozonated and microbubbled water as well as a variety of other solutions currently in use. There is a great chance for the years to come for us to hear more news about electrolyzed water success in agriculture sector as an environmental and economical friendly sanitizer intervention for multiple uses.