

Emerald Earth

Nature Does It Best

Authorized EM Retailer

EM Applications for Hydroponics

EM•1[®] Microbial Inoculant, commonly referred to as EM, can be added to hydroponic liquid feeding programs to enhance overall crop quality and the post-harvest shelf life. Improved plant vigor and tissue density in tomatoes and lettuces are a result of the numerous enzymes, organic acids, bioactive minerals, amino acids, and diverse antioxidants that are the byproducts of EM, which are absorbed through the root systems.

The microbial alliances of EM concentrate along the plant root surfaces and create important symbiotic associations similar to mycorrhizae-root symbiosis. EM•1[®] Microbial Inoculant helps increase the nutrient uptake potential and efficiency, while reducing plant stress that can be caused by high levels of available nutrients.

For cost-efficient results, learn to use Activated EM (AEM) for larger quantities of application. Refer to the Emerald Earth website for instructions on how to activate EM.

Recommended application rates:

- 1 part AEM to 1000 parts water for nutrient solution for tomatoes.
- 1 part AEM to 2000 parts water for lettuces.
- Add additional amounts of AEM, as needed, to maintain recommended dilution ratios.



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Technical Information provided courtesy of EM-America