Ag Microbes.com

New Technology for Agriculture

ROOT **STIMULATION**

AgMicrobes contains biotechnology that converts insoluble inorganic salts into soluble forms available to the plant, and also contains strains of Bacillus Subtillis.

Bacillus Subtillis will colonize around the root hairs of the plant in a symbiotic manner, benefitting both the biological activity and plant root.

Based on current research, certain strains of Bacillus Subtillis cause increases in various phytohormones that are responsible for stimulating both root and foliar growth. Auxin in general and IAA precursor indol-3-pyruvic acid are produced by Bacillus Subtillis. Creating strong robust root systems increases nutrient uptake by the plant thus stimulating the stems, leaves, and fruiting bodies.

In addition, Bacillus Subtillis colonization on the root system inhibits infestations of certain pathogenic root fungi such as Fusarium oxysporum, Rhizoctonia solani, Scienrotina scierotiorum, etc. The antibiotic activity of Bacillus Subtillis is directly related to the production of certain exoenzymes such as chitinase, peroxidase, and 9-1, 3-gulcanase naturally protecting the plant and root growth development throughout the growing season.

AgMicrobes.com
PO Box 12 • Farmer City, IL 61842
(303) 807-4999 • (303) 947-2425