



*Safe, Natural, Bacteria Control*  
For Tomato & Pepper

#### **ABOUT AGRIPHAGE™**

AgriPhage is a natural, safe, effective treatment that prevents and controls harmful bacteria on tomato and pepper plants.

AgriPhage is available for the control of bacterial spot or bacterial speck, with specific formulations for strains of *Xanthomonas campestris* pv. *vesicatoria*, or *Pseudomonas syringae* pv. *tomato*.

AgriPhage is extremely selective and completely safe and non-toxic to plants, animals, humans, and even beneficial organisms. AgriPhage will not build up in your soil, won't damage your equipment, and does not tarnish reflective material.

#### **INCREASED YIELD**

*"Fields treated with copper were slightly more productive than untreated fields, producing roughly 400 pounds more fruit per acre. Fields treated with [AgriPhage] fared better, outperforming the untreated fields by about 7,600 pounds per acre."*

*—IFAS, August 2004*

AgriPhage is delivered in concentrated liquid form, ready to dilute. It can be safely tank-mixed with many chemicals and fertilizers to optimize application time.

#### **WHY IT WORKS**

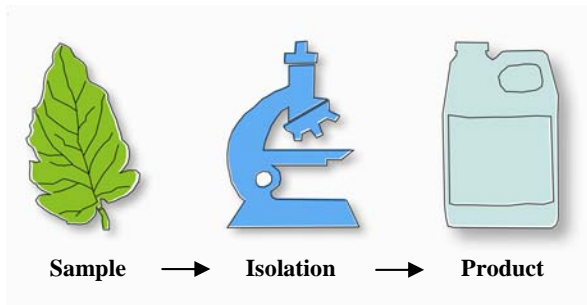
AgriPhage is produced from a scientific process designed to isolate, and then concentrate, naturally occurring bacteriophage. Bacteriophage, also known as "phage", are beneficial viruses that destroy specific harmful bacteria on contact.

Over four billion phage are included as the active ingredient in every ml of AgriPhage. Each phage is capable of destroying bacteria, and can replicate as many as 100 additional phage.

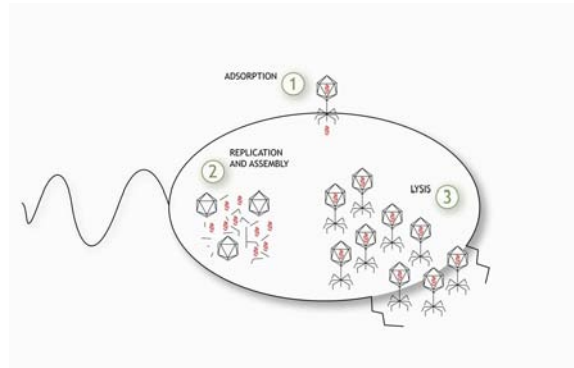
#### **WORKING AGAINST RESISTANCE**

University pathologists estimate that over 70 percent of bacterial strains are resistant to current copper-based alternatives. Many growers confirm this in their experience with traditional treatments.

Our patented technology and regular sampling process allows us to produce effective formulas that fight against resistance by changing as needed.



OmniLytics Labs routinely receives and analyzes field samples. We produce an updated formulation for each grower based on the results of the analysis, and then ship the required amount in time for weekly preventative application.



## HOW IT WORKS

Bacteriophage destroy bacteria in a process called “lysing”. Lysing begins the moment a phage comes in contact with a bacterium and results in a release of additional phage within 30 minutes.

Lysing can be described in three basic phases:

- 1) Adsorption occurs when a phage encounters a bacterium, attaches its tail fibers, and injects its own DNA into the bacteria. This action can begin as soon as you apply AgriPhage.
- 2) New phage begin replicating and assembling within the bacterial cell, multiplying at a steady rate.
- 3) Finally, lysis is complete when the cell bursts and releases about 100 new phage into the environment to carry on the process. In this way, AgriPhage actually increases in efficacy over time.

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