# AgriPhage™ Fire Blight

# INCREASE YOUR CROP YIELD AND ELIMINATE HARMFUL BACTERIA

An agricultural bactericide featuring phage technology.







## **PRODUCT HIGHLIGHTS**

**AgriPhage™ Fire Blight** is a bacteriophage (virus) which attacks *Erwinia amylovora* on apples and pears.

Bacteriophages (phages) are viruses that only attack and kill specifically targeted bacteria.

AgriPhage is extremely selective to the target bacterium and will not adversely affect plants, animals, or humans. AgriPhage will not build up in soil or damage equipment.

A new mode of action that can be used in an existing program as a resistance management tool.

One phage can destroy a bacterial cell and, in the process, create up to 100 additional phages that are released into the environment.





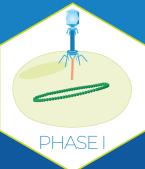


Always carefully read and follow label instructions.



#### **HOW IT WORKS**

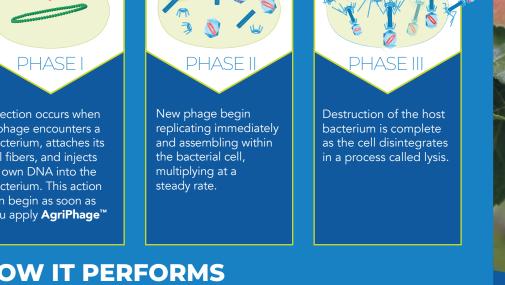
Bacteriophages destroy bacteria through a process called "lysis". The infection process begins the moment a phage comes in contact with a bacterium. Bacteriophages infect host bacteria on contact and convert them into tiny virus factories. Within 30 minutes of infection the host cell disintegrates, releasing the phage progeny to infect other host bacteria.



Infection occurs when a phage encounters a bacterium, attaches its tail fibers, and injects its own DNA into the bacterium. This action can begin as soon as you apply **AgriPhage**™







### **HOW IT PERFORMS**

As a result of viral replication, **AgriPhage**<sup>™</sup> actually **increases in concentration** due to the fact that the virus remains constant and replicates under favorable environmental conditions to continue its attack on Fire Blight.

**AgriPhage**<sup>™</sup> can be used in organic orchards under the USDA National Organic Program, but can also be used to enhance performance of conventional tactics in orchards where bacteria has been problematic.

TANK MIXING		STORAGE		TIMING	
Compatible with most fungicides, insecticides, fertilizers. Do not mix with copper or iron products. (See label compatiability table)		AgriPhage should be stored in areas where the product temperature does not exceed 85 degrees Fahrenheit.		gro lea con for as firs	eventive to protect bowing fruit and of tissues or when noditions are conducive or disease infection, and a curative when the set disease symptoms evisible.
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RATE	RECOMMENDED USES	PHI/REI/PH	USE WITH OTHER TREATMENTS
1 to 2 quarts of AgriPhage/ acre/ application	AgriPhage can be used in existing programs where conventional controls have not been effective.	Zero Day PHI 4 Hour REI pH range is 6.0 – 8.5  Above is a tank mix range for pH that must be maintained.	Please allow 24 hours application between AgriPhage and copper-based products.







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