

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.

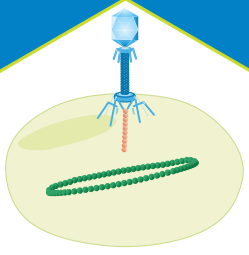


Always carefully read and follow label instructions.



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.



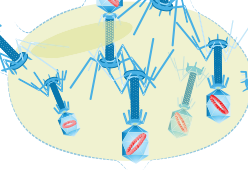
PHASE I

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™**



PHASE II

New phage begin replicating immediately and assembling within the bacterial cell, multiplying at a steady rate.



PHASE III

Destruction of the host bacterium is complete as the cell disintegrates in a process called lysis.

HOW IT PERFORMS

As a result of viral replication, **AgriPhage™** 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™ 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 compatibility table)		AgriPhage should be stored in areas where the product temperature does not exceed 85 degrees Fahrenheit.		Preventive to protect growing fruit and leaf tissues or when conditions are conducive for disease infection, and as a curative when the first disease symptoms are visible. <i>Apply as needed.</i>	
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 <i>Above is a tank mix range for pH that must be maintained.</i>	Please allow 24 hours application between AgriPhage and copper-based products.		



AgriPhage™
Fire Blight

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1.800.250.5024
www.CertisBio.com