



## PERACETIC ACID (PAA) FOR CONTROL OF APPLE AND PEAR FIRE BLIGHT



Fire blight, a contagious disease on apples and pears, is caused by the bacterium *Erwinia amylovora*. Under optimal conditions, the disease can destroy an entire orchard in a single growing season. When the trees are in bloom and the temperatures are over 65°F to the low 70's F four days running or in the 80's F three days running, mixed with some rain, the contagious disease will proliferate in a very short amount of time. Fire blight will easily transfer from soil to tree and tree to tree by rain, birds and insects, such as bees and infect healthy trees.

Peracetic Acid (the active ingredient in JET-AG®) has been shown to reduce the incidence of fire blight by 75-50% with proper applications when trees are most susceptible. The best timing for application is at full bloom with a second application at petal fall. Use 2 quarts of Jet-Ag® in 100 gallons of water with a non-ionic surfactant at a per acre rate of 100-150 gallons. Apply the Jet-Ag® solution to fill the floral cup of the plant in the early morning or late evening hours. Application during these time periods allows JET-AG® to be most effective against the pathogen. This second application will help clear the trees of the pathogen. Jet-Ag® can also be used during pruning to sanitize equipment and cut surfaces.

### FEATURES AND BENEFITS:

- **PROVEN TO REDUCE FIRE BLIGHT INFECTION**, by control of the causative pathogen, *Erwinia amylovora*, in three tests with greater than 50% reduction in disease
- **APPLICATION RATE:** Applied twice during bloom at 2 quarts per 100 gallons of water with non-ionic surfactant and applied at 100-150 gallon per acre
  - Apply at full bloom
  - Apply at petal fall
- **ORGANIC:** Approved and listed for organic use
- **EPA** registered 81803-6 to kill and reduce bacteria, fungi and algae
- **USE FOR INTEGRATED PATHOGEN CONTROL:** PAA can be used in combination and rotation with other fire blight IPM treatments
  - Non-antibiotic control
  - A floral cup product (full bloom to petal fall)
  - Use with a stigma active, e.g. a biological agent., lime sulfur at early bloom 30% & 70%

