



Safe / Effective Fire Blight Control

Disease	Rate Per Acre	Treatment Timing
Fire Blight Apple Scab Anthracnose Shoot blast	20 – 40 oz	Foliar Delayed Dormant through bloom In Season Applications Foliar Post-Harvest

Overview: Instill is a low dose **Fruit Safe** copper which provides a high level of activity towards pome fruit diseases. The patented formulation allows the copper to be fully absorbed by the plant within 3 hours of application. The rapid absorption technology makes Instill significantly different than other low dose copper as it will move throughout the treated tissue, allowing providing protection on the outside of the plant as well on the inside.

Supporting Research: Instill has been in Oregon and Washington fire blight trials for the past 5 years, and consistently demonstrated control equal to Previsto and superior to Cueva coppers. Crop safety also was equal to the competing low dose coppers.

Instill Advantages:

Low dose use rate: in fire blight trials 30 ounces / 100 of Instill provided the same level of disease control as 3-4 quarts of competing low dose coppers.

Locally Systemic: Because Instill is absorbed into the plant tissue within 3 hours there is less chance of phytotoxicity and reduced concern over copper residual interacting with future pesticide applications

Application Timing and Strategy

Delayed Dormant: Apply 30 – 40 oz / 100

Tight Cluster: Apply 20 - 30 oz / 100

Early Bloom: Apply 20 -30 oz / 100 **during period of fire blight susceptibility apply 5 day interval

Growing Season:

Use higher rates for more susceptible varieties. If injury is observed, discontinue use immediately. Minimum retreatment interval 7-10 days

Application Rate: 30 oz/ 100

In multiple treatment programs apply 30 oz for treatment 1 and 20 oz every 7-10 days

Spray Solution pH

Buffering water pH is critical for crop safety and performance. Idea pH for spray solution is a pH of 5.5 – 6.5.

Solution pH below 4.5 can cause uptake to be too rapid, pH above 7 reduces the systemic uptake.

Spray volume should not exceed 100 GPA.

Surfactant Use: The addition spray oil in dormant may enhance coverage of the wood in dormant.

Tank Mixing: See Tank Mix Sheet for approved list

Regulatory: 0-day PHI, 48 hour REI, Exempt from food tolerance,

