

# **FIREBLIGHT CONTROL MATERIALS**

## **Apples and Pears**

### **Copper hydroxides, copper sulfates. (NuCop, Kocide, Champ, COCS, etc.)**

8 – 16 lbs./acre per application

Limit the use of these materials to prebloom applications except on Bosc pears or other similarly russeted varieties.

### **Mycoshield & Flameout**

1-lb./100 gallons.

Apply at 50 to 100 gallons per acre as required by the Cougar Blight model. This is the only proven material; avoid unnecessary use to avoid developing resistance. Mycoshield or Flameout are not tank compatible with Blight Ban

### **Blight Ban**

150 grams/acre

Apply in 100 gallons of water per acre at early bloom. Repeat at full bloom. A third application may be made on rattail bloom. This material is not compatible with Copper based compounds or Mycoshield or Flameout.

Blight Ban is live bacteria that compete with fire blight bacteria for living space, suppressing that population. When the Cougar Blight model indicates a high risk and moisture is probable, cover with Mycoshield or Flameout.

### **Serenade**

6 lbs./acre

Apply in 100 to 150 gallons of water per acre. Coverage is critical. Serenade is a biofungicide that is toxic to the fire blight bacteria. Apply at first white to first bloom for improved fruit finish and suppression of fire blight bacteria. Repeat during bloom when it appears fireblight risk is increasing. When the Cougar Blight model indicates a high risk and moisture is probable, cover with Mycoshield or Flameout.

Serenade is toxic to bacteria and may be substituted for a Blightban program but has the advantage of not requiring colonization before bacterial growth begins.

Serenade will be a valuable resistance management material to prolong the effect of Mycoshield or Flameout.

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