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tender succulent twigs.

PLPA-119



The bacteria can infect leaves and new



Fire Blight of Ornamental Pears

The casual agent of blight is bacterium-Erwinia amvlovora, which causes a vascular wilt in many varieties of pome trees: apples, pears, and ornamental such pears, Bradford pears planted many landscapes.

Control: • Sa

- Sanitation pruning during winter dormancy Cut an infected branch 8 to 12 inches below the visible injury or canker. To avoid spreading bacteria during pruning, sanitize the pruning tool before each cut with a 10% solution of bleach (one part bleach to nine parts water). To prevent rust, dry and oil tools after use.
- Reduce excessive succulence.
- Moderate resistant varieties are available.
- A weak (0.5%) Bordeaux mixture or other copper fungicide applied several times as blossoms open can reduce new infections, but will not eliminate all new infections or those already existing in wood.



Symptoms:



- Water-soaked flowers
- Leaves progressively turning brown and black blotches; curling and eventually shriveling
- Twigs begin to wilt from tip downward, turning black and curl in a classical "Sheperd's hook"
- Branches develop dark, sunken cankers; as they enlarge and girdle the branches, the branch eventually dies.

Disease Cycle:

- The bacteria over-winters in cankers, bud scars and branches.
- Bacteria forms ooze which attracts insects and the insects then spread the bacteria via the nectarthodes in the flowers
- The bacteria can also be spread by splashing rain.

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