Prune Tree Killers!

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 Cytospora and Bacterial canker (Milliron & Niederholzer)

 Prune Brown Line and Phytophthora and (Ott)

 Phellinus wood rot and gophers (Wheeler-Dykes)

Latest from UCCE orchard farm advisors...

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Phellinus Wood Rot in Prunes

Prune Bloom Weather

Cytospora in Prune

Nitrogen Part 9: Prune

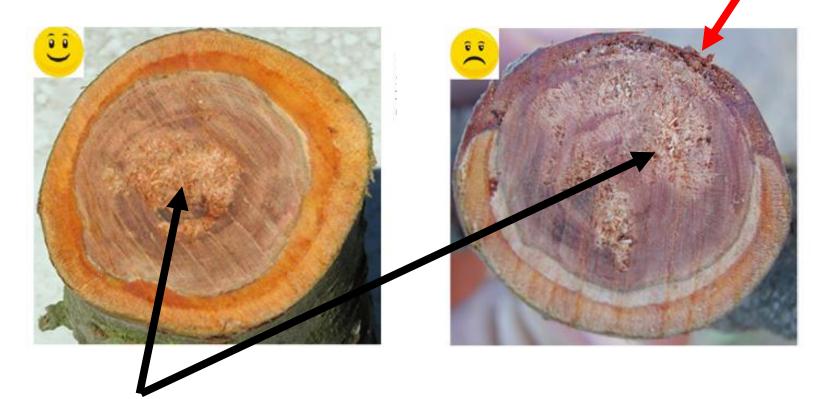


Interested in growing prunes?

Caution...



What's a canker?



Canker of the bark

Heart rot (NOT a canker of the bark)

Flagging of a branch girdled by **Cytospora** leucostoma

Dieback of scaffold branches caused by bacterial canker

Canker Canker





Cytospora canker: more Identification



Pycnidia on dead wood: white pimplelike spore producing structures



Gumming cankers associated with pruning wounds

Cytospora



Biology:

 Classic vs. latent infections

Management:

- Cultural reduce: stress, inoculum, & spread
- pruning/shaker thinning timing
- Chemical more than post-pruning?
- Young trees or replants?





Bad cut. Darkened, dead bark on the top half of cut.



Bad cut. Bark dead & collapsed, in top half of the cut.



Bad cut. One quarter of bark is bad. That's too much.



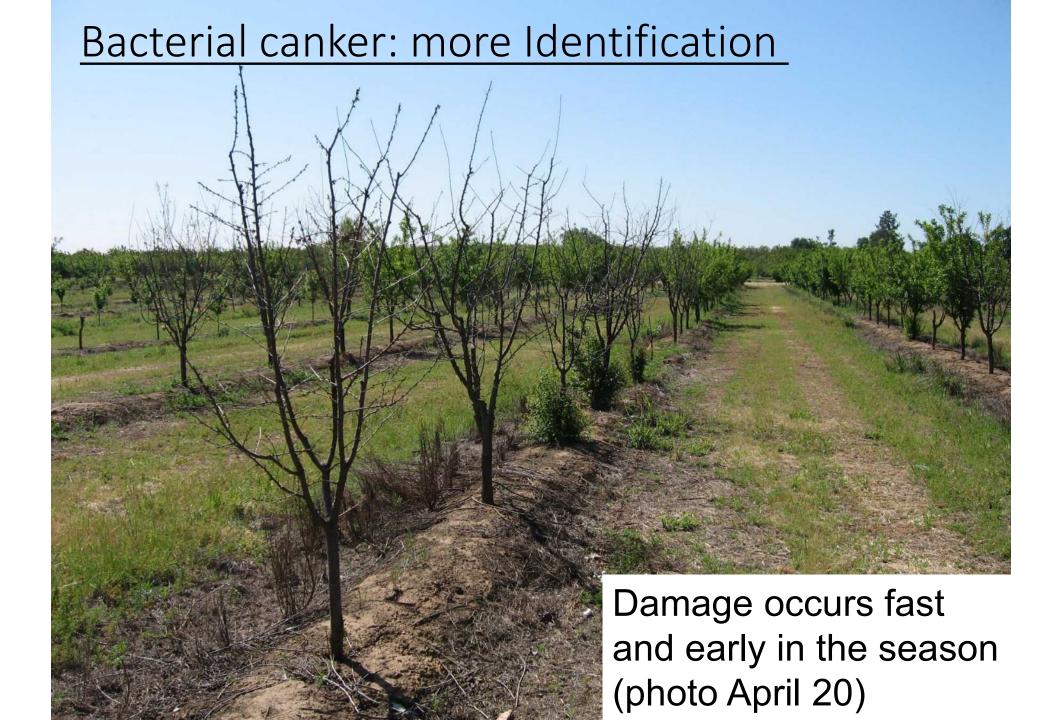
Cytospora canker vs. bacterial canker



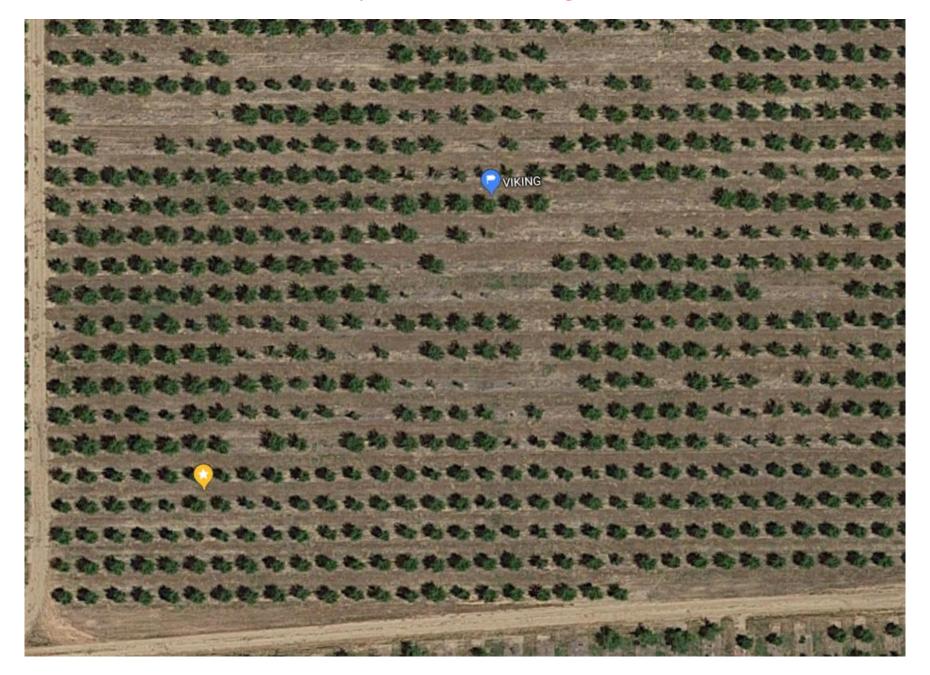
Sunken canker (active margin- see arrow)



Reddish flecking at canker margin / sour smell



Plum rootstock genetics: Very sensitive to ring nematode (bacterial canker)





Five Practices to Help Prevent Bacterial Canker

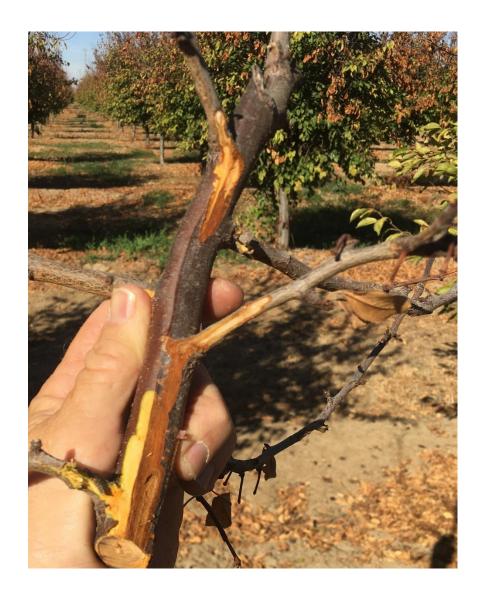
Pre-plant

- Rootstock selection
- Soil Prep
- Fumigation

Post-plant

- Reduce stress
- N applications: urea, CAN-17, triple 16









Bacterial Canker

Phytophthora







Gophers









Peel away the bark:

