Consumer based apple & raspberry inquiries

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Resources

- learningstore.extension.wisc.edu
- horticulture.extension.wisc.edu
- go.wisc.edu/planthealthadvising (plant and insect diagnostic link)

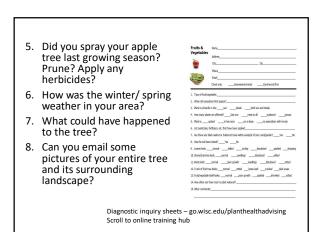
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Client inquiry, June 2019: • My apple tree did not bud out in the spring. Is it still alive or dead? What happened to it? Is it still alive or dead? • Scratch the inner bark of the twig or dissect a bud

Why the tree collapsed? Part 1: Leading questions to ask

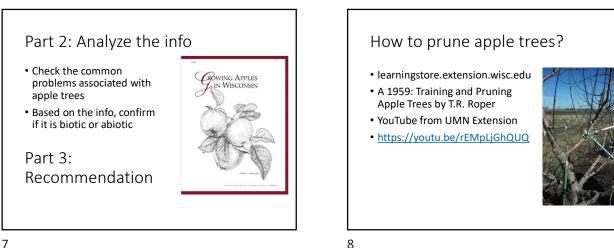
- 1. What cultivar is it?
- Did you notice anything unusual on the tree this spring or last winter or a year before? (dried leaves hanging, bark chewed, gums oozing, crack in the bark)
- 3. Do you have any other trees near by? How do they look like?
- 4. Where was the tree located in your yard? Any low lying areas or to a road side? Are there any weeds near by the trunk?

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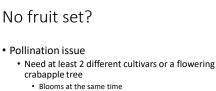


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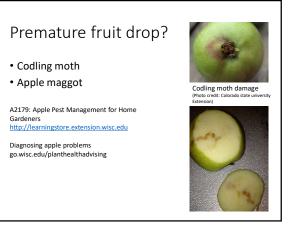
- Pollen compatibility (Matsu, Winesap, gravenstein triploid chromosomes)
- Lack of bees (sprayed any insecticides during blooming period)
- Heavy rain or sudden drop in temperature during bloom time

Did not leaf out this year?

- Maintenance history/ pre-existing condition
- Rodent injuries voles, rabbits, deer
- Winter injury rootstock, scion



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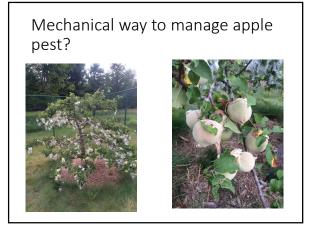
during growing season?

Fireblight disease

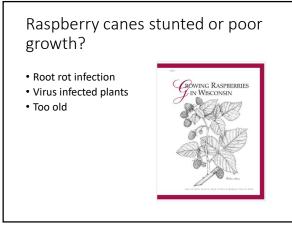
Branches/ entire tree collapsed



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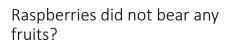


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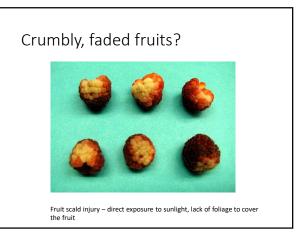


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- Improper pruning and timing (summer bearing vs everbearing)
- Cold injury (<-20 F)
- Over fertilization
- Poor management



Wilted cane tips?

- Raspberry cane maggot
- Raspberry cane borer





Raspberry cane maggot – wilt and break, swollen tissue, early summer

Raspberry cane borer - two rows of punctures around cane tips



Wormy berries – Spotted wing drosophilla





Raspberries destroyed by SWD Iarvae – recently-picked berries have become completely liquefied. Photo credit: Phil Pellitteri, UW-Madison Insect Diagnostic Lab