

Stone Fruit Commodity Survey

- This survey collects leaves for lab testing for **Plum pox virus** and is a visual survey for **European stone fruit yellows** with lab confirmation.
- The survey is conducted in commercial orchards, residential areas, and production nurseries.
- The survey sites in commercial and residential settings are from the risk-based survey developed by Dr. Gottwald, USDA.
- In the residential survey: surveyors will survey the number of properties (density) indicated on the maps if there are properties with a host. Sometimes the density can not be reached due to a lack of properties with a host in the square mile.



Heather Scheck
Primary State Plant Pathologist

Plum fruit



Apricot fruit



Apricot stone, PPV



Peach fruit



Plum leaves



Apricot leaves



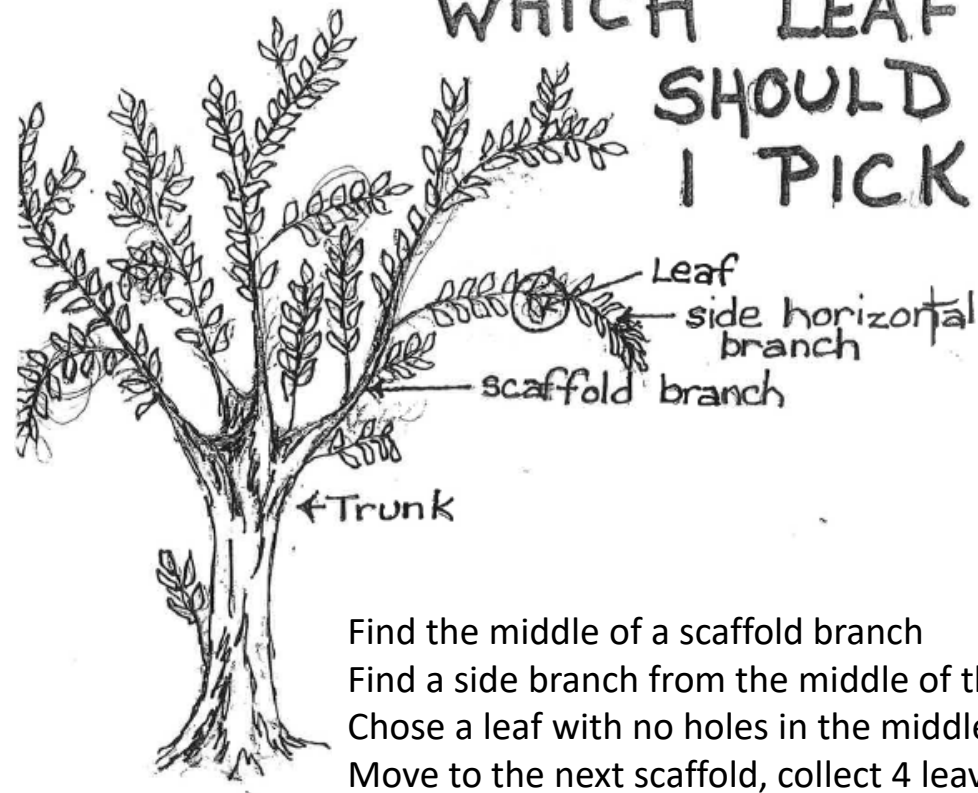
Prune leaves



Peach leaves



WHICH LEAF SHOULD I PICK?

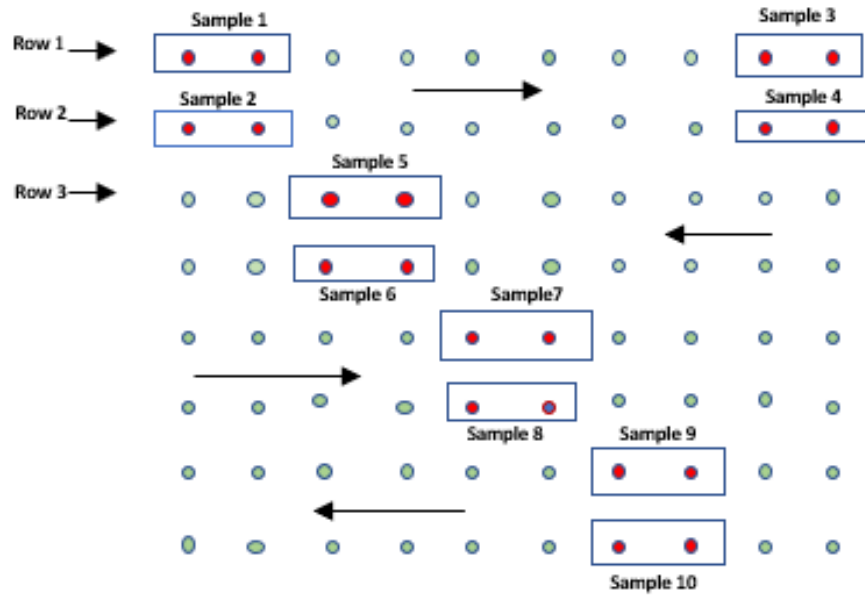


- Find the middle of a scaffold branch
- Find a side branch from the middle of the scaffold
- Choose a leaf with no holes in the middle of the side branch
- Move to the next scaffold, collect 4 leaves per tree



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

PPV high risk survey in commercial orchards



European stone fruit yellows visual survey

Candidatus Phytoplasma prunorum

- This is a visual survey of commercial orchards and residential properties looking for symptoms in peaches, apricots, cherries, and Japanese plums. This survey is done during the PPV high-risk-based survey.
- If ESFY symptoms are seen, take an individual sample and take the GPS points. Do not take asymptomatic plant material.
- Do not mix varieties



Chlorosis and rolling of Apricot leaves



Rolled and reddened leaves of a peach tree



Internode shortening and leaf deformation



Leaf rolling on Apricot



Residential survey



- Look for hosts: Peach, nectarine, apricot, plum and Japanese plums.
- Take a sample for each variety present at the residence.
- Do not mix varieties



PPV RESIDENTIAL RISK SURVEY LOG						
COUNTY:	CITY:	STR#:	SAMPLE DENSITY:		START DATE:	
Site #	Address/City	Host	PDR PLANT #	Hosts/Comments	Survey	Surveyed by
		Peach () Japanese plum () Nectarine () Other () Apricot () Plum ()	1- 2- 3- 4- 5- 6- 7-		Date: Time:	
		Peach () Japanese plum () Nectarine () Other () Apricot () Plum ()	1- 2- 3- 4- 5- 6- 7-		Date: Time:	
		Peach () Japanese plum () Nectarine () Other () Apricot () Plum ()	1- 2- 3- 4- 5- 6- 7-		Date: Time:	
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		Peach () Japanese plum () Nectarine () Other () Apricot () Plum ()	1- 2- 3- 4- 5- 6- 7-		Date: Time:	
		Peach () Japanese plum () Nectarine () Other () Apricot () Plum ()	1- 2- 3- 4- 5- 6- 7-		Date: Time:	

2023 Survey Results - All testing was done at our lab with ELISA.



County	Disease Surveyed	# Sites Surveyed	Type of Sites Surveyed	# Samples Submitted for Analysis/ID	#Positive Samples/Specimens	Months Surveyed
Tulare 2023	PPV	11	Commercial	3744	0	March-June
	PPV	596	Residential	695	0	April-June
	ESFY	11	Commercial	0	0	March-June
	ESFY	596	Residential	0	0	April-June
Stanislaus 2023	PPV	1	Nursery	504	0	June
	ESFY	1	Nursery	0	0	June
Sutter 2023	PPV	1	Nursery	523	0	April
	PPV	2	Private orchard	1499	0	May - June
	ESFY	1	Nursery	0	0	April
	ESFY	2	Private orchard	0	0	May - June
Yuba 2023	PPV	6	Private orchard	300	0	May - June
	ESFY	6	Private orchard	1	0	May - June
Totals	PPV	617		7265	0	March-June
	ESFY	617		1	0	March-June

Next year we are planning to survey again in commercial and residential areas – suggestions for new areas??