

**USDA APHIS PPQ S&T**  
**Plant Pathogen Confirmatory Diagnostics Laboratory**  
*Phytophthora* 101 workshop schedule  
**March 3 - 7, 2024**

Day	Activities	Time period
Monday, March 3	<b>Conference room</b>	
	Introductions and housekeeping	8:30 - 8:45
	Presentation on <i>P. ramorum</i> Background	8:45 - 10:15
	Break	10:15 - 10:30
	Presentation on <i>P. ramorum</i> Diagnostics	10:30 - 12:00
	<b>Lunch</b>	<b>12:00 - 1:00</b>
	Laboratory	
	DNA Extractions (leaf tissue)	1:00 - 2:30
	Break	2:30 - 2:45
Prepare and run ITS real-time PCR, <i>P. ramorum</i>	2:45 - 5:00	
Tuesday, March 4	<b>Laboratory</b>	
	Prepare and run Elicitin real-time PCR, <i>P. ramorum</i>	8:30 - 9:30
	Review ITS real-time PCR Results and lab tour	9:30 - 10:45
	Break	10:45 - 11:00
	Review Elicitin Results and Review Summary of Diagnostics and Results, <i>P. ramorum</i>	11:00 - 12:00
	<b>Lunch</b>	<b>12:00 - 1:00</b>
	<b>Conference room</b>	
	Presentation on Results Assessment and Troubleshooting	1:00 - 2:00
	Presentation on <i>P. kernoviae</i> B background and Diagnostics	2:00 - 3:00
Break	3:00 - 3:15	
<b>Laboratory</b>		
Prepare and run real-time PCR Reactions for <i>P. kernoviae</i>	3:15 - 5:00	
Wednesday, March 5	<b>Conference room</b>	
	Review <i>P. kernoviae</i> qPCR Results and Review Summary of Diagnostics	8:30 - 9:30
	Presentation on diagnostic methods for detection of other <i>Phytophthora</i> species	9:30 - 10:30
	Break	10:30 - 10:45
	Presentation on Background and Diagnostics, <i>P. austrocedri</i>	10:45 - 12:00
	<b>Lunch</b>	<b>12:00 - 1:00</b>
	<b>Laboratory</b>	
Sampling woody tissue and DNA extractions for <i>P. austrocedri</i> (break will be included during the afternoon)	1:00 - 5:00	

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Day	Activities	Time period
Thursday, March 6	<b>Laboratory</b>	
	Prepare and run real-time PCR Reactions for <i>P. austrocedri</i>	8:30 - 10:00
	Break	10:00 - 10:15
	<b>Conference room</b>	
	Presentation and exercise ID-Phy	10:15 - 12:00
	<b>Lunch</b>	<b>12:00 - 1:00</b>
	<b>Conference room</b>	
	Review <i>P. austrocedri</i> real-time PCR Results and Review Summary of Diagnostics	1:00 - 2:45
	Break	2:45 - 3:00
	Presentation Proficiency Testing	3:00 - 3:30
Presentation on Containment Facility	3:30 - 4:00	
Presentation about "First Reports"	4:00 - 5:00	
Friday, March 7	<b>Conference room</b>	
	General lab results review, discussion and Q & A Session	8:30 - 10:15
	Break	10:15 - 10:30
	Course Exam	10:30 - 11:00
	Course Evaluation	11:00 - 12:00
Final wrap up	12:00 - 12:30	