

**Northwest Cherry Research Review**  
Hood River Best Western, Hood River, OR  
**Tuesday, 11/13/18**

Time	Page	Presenter	Project Title	Yrs	2018 Funding					2019 Request
					WTFRC		OSCC	Other Funding	Total Funding	
					Cooperator Funding	Internal Collaborative Funding				
8:00		Willett	Welcome		37,500	-	12,500	-	50,000	
<b>Final project reports</b>										
8:15	1	Gibeaut	Preservation and retention of green stems	17-18	7,854	-	7,854	-	15,708	
8:30	11	Peace	Screening for fruit powdery mildew resistance in the breeding program	17-18	40,475	-	-	-	40,475	
8:45	17	Boyer	Testing an oviposition deterrent for <i>Drosophila suzukii</i> in cherry orchards	18	-	-	12,500	-	12,500	
9:00	25	Boyer	Environmental predictors of <i>D. suzukii</i> abundance in cherry orchards	18-19	-	-	20,305	-	20,305	
9:15	36	Dong	Ensuring long-distance ocean shipping arrival quality of PNW cherries	16-18	12,021	-	36,065	-	48,086	
9:30	47	Ferguson	The hunt for leafhopper vectors of Western X in Washington cherries	16-18	35,499	-	-	-	35,499	
9:45	59	Gibeaut	Model reporting	17-18	-	-	31,416	-	31,416	
10:00	<b>Break</b>									
10:15	64	Buchman	<i>D. suzukii</i> transgenic, population replacement, eradication, suppression	18	15,000	-	10,000	125,000	150,000	
10:30	76	McCord	Sweet cherry breeding: identifying genetically superior selections	18	112,500	-	37,500	-	150,000	
10:45	84	Hubbard	Managing acclimation, hardiness and bacterial canker	15-17	-	-	-	-	-	-
11:00	95	Ganjyal	Strategies to reduce postharvest splitting of cherries	16-18	26,065	-	8,688	-	34,753	
	107	Beers	Insecticide resistance of SWD in sweet cherry: <b>Written report only</b>	14-16						
<b>New project proposals</b>										
11:15	118	McCord	Supporting a robust PNW sweet cherry breeding and genetics program	19-21						181,288
11:30	124	McCord	Equipping the re-launched PNW cherry breeding program.	19						79,000
11:45	127	Sallato	Nutrient management for fruit quality in cherries	19-21						46,962
12:00	<b>OSCC/WTFRC/CCB Committees working lunch/CA update</b>									
<b>New project proposals - continued</b>										
1:00	132	Peace	Durable genetic solutions to powdery mildew infection in sweet cherry	19-20						44,000
1:15	140	Peace	Faster cherry breeding with genetic factors for short juvenility	19-20						28,000
1:30	148	Buchman	Engineered transgenic <i>D. suzukii</i> for wild population suppression	19-21						46,609
1:45	158	McCord	DNA tests and automated analysis for cracking and storage disorders	19-21						41,000
2:00	166	Sallato	Rootstock influence on nutrient absorption and partitioning	19-21						26,106
2:15	171	Whiting	Targets and tools for post-bloom thinning	19-20						42,845
2:30	176	Grove/ Swamy	Fungicide resistance: a vital need to protect PNW cherries from mildew	19-20						60,175
<b>Group #</b>	<b>Continuing/short project reports 2:45 - 4:45</b>									
N/A	185	Beers	Integrated pest management of spotted wing drosophila in sweet cherry: <b>Written report only</b>	16-18	45,048	-	15,016	-	60,064	-
1	193	Choi	Non-nutritive sugar-based control strategy for spotted wing drosophila	18-19	28,545	-	9,515	-	38,060	44,660
1	198	Abrieux	Electronic sensors to capture spatiotemporal population density of SWD: <b>No-cost extension</b>	18	11,769	-	7,846	11,769	31,384	-
1	205	Wright	How do Western X phytoplasma and LChV-2 cause little cherry disease?	18-20	41,058	-	-	-	41,058	38,058
1	210	Harper	Native hosts of the Western X phytoplasma	18-19	28,580	-	9,527	-	38,107	38,733
1	214	Wright	Orchard management practices for <i>Little Cherry Virus 2</i>	17-19	55,176	-	-	-	55,176	57,542
1	220	Choi	Non-toxic RNAi-based insecticide to control SWD	17-19	36,195	-	12,065	-	48,260	48,260
2	227	Pscheidt/ Lutes	Mid-Columbia survey for sweet cherry viruses and vectors	18-19	-	-	49,106	-	49,106	52,200
2	234	Whiting	Advancing precision pollination systems for yield security: <b>1-year delay in project initiation*</b>	17-20	-	-	-	-	-	74,624
2	241	Salazar	Predicting flower bud hardiness of commercial sweet cherry cultivars	17-19	43,047	-	43,047	-	86,094	94,938
2	249	Iezzoni	MSU sweet cherry rootstocks: pre-commercialization	17-19	56,649	-	18,883	7,000	82,532	84,913
2	257	Swamy	ABC of sweet cherry powdery mildew: adaptation, behavior and control: <b>No-cost extension</b>	16-18	63,326	-	21,109	-	84,435	-
2	265	Schmidt	Cherry MRL	18-20	-	6,700	-	-	6,700	8,400
2		Schmidt	WTFRC technology projects (see reports in Appendix)**	19	81,814	7,500	-	-	89,314	
<b>2018 Total Funding</b>					<b>632,981</b>		<b>341,833</b>	<b>143,769</b>	<b>1,118,583</b>	

**Scientist Meet & Greet: 5:00 - 6:00**

**6:00 - 7:30 Dinner presentation - Heath Smith, "The Use of Detection Dog Teams in Conservation"**

Wednesday, 11/14/18	
8:00	Committee discussion: Continuing report discussion/ranking of new proposals
<b>Break</b>	
11:00	WTFRC Board meeting/lunch

\* 2017 funding: WTFRC - \$67,109, OSCC - \$7457 - = \$74,566

\*\* Reflects cherry portion of technology funding only

<b>2019 Funding Requests</b>	
2019 Continuing funding requests	542,328
2019 New project requests	595,985
<b>2019 Total requests</b>	<b>1,138,313</b>