

APPLE HORTICULTURE AND POSTHARVEST RESEARCH REVIEW

Holiday Inn Express, Pasco
Wednesday, January 24, 2018

Time	Page	Presenter	Title	Yrs	2017 Funding		2018 Request
					Cooperator Funding	WTFRC Staff Funding	
8:00		Hanrahan	Welcome				
8:05		Hanrahan	Introductions and housekeeping				
Final Reports							
8:15	1	Musacchi	WA 38: evaluation of rootstocks and training systems	14-16	-	-	-
8:30	13	Sherif	Validation of the Red Delicious pollen tube growth model	16-17	12,440	4,200	-
8:45	24	Hanrahan	Food safety efforts	<i>Internal</i>		41,880	-
9:00	31	Blakey	Understanding/managing the food safety risk of packline brushbeds: <i>1st year report</i>	17	40,850	11,117	-
9:15	41	Hanrahan	Programs to increase packouts of apples	<i>Internal</i>		24,129	-
New Proposals							
9:30	51	Critzer	Systems-based approach for improved packinghouse sanitation	18-20			67,369
9:45	59	Mupambi	Optimizing light and water for orchards covered with netting	18-19			99,921
10:00			Break				
10:15	71	Critzer	Utility of rapid tools to assess cleanliness in apple packinghouses	18-19			55,956
10:30	78	Zhu	Fate of <i>Listeria</i> on apples at ozone and controlled atmosphere storage	18-20			118,779
10:45	88	Salzar-Gutierrez	Fruit surface temperature model implementation and testing	18-20			41,216
11:00	93	Harper	Understanding decline on select apple scion-rootstock combinations	18-20			86,987
11:15	98	Kalcsits	How does fruit acclimation to sunburn affect sunburn management?	18-19			86,621
11:30	109	Dhingra	Systems-based approach to understand bitterpit in apple	18-20			80,761
11:45	118	Piaskowski	Precision parent selection tool for the WSU apple breeding program	18-19			64,529
Lunch/Committee: Research priorities/New Proposal ranking: 12:00-2:00							
Group Continuing Projects: 2:15 - 4:15							
1	129	Pietrysiak	Improving food safety by hot air impingement drying: <i>3rd year report</i>	15-17	75,898		-
1	136	Pietrysiak	Complying with the FSMA preventative controls for human food rule	17-18	48,711		50,260
1	141	Zhu	Ozone in apple storage: microbial safety and decay management: <i>2nd year report</i>	16-17	101,515	7,000	-
1	149	Zhu	Control of <i>Listeria</i> on processing surfaces in apple packing facilities	17-19	92,250	6,197	101,752
1	156	Leisso	Managing rhizosphere/soil microbiology via apple rootstock chemistry	16-18	50,000		52,000
2	162	Musacchi	WA38 fruit and dry matter for fruit quality/consumer preference: <i>Off-cycle funding</i>	17-19	86,447		83,751
2	169	Kalcsits	Control of fruit size and bitter pit in Honeycrisp using irrigation	17-19	53,442		74,199
2	177	Mattheis	At-harvest protocols for apple fruit disorder and quality management	16-18	53,956		54,476
2	184	Rudell	Reducing scald after long-term CA storage	16-18	63,095	6,300	72,508
2	191	Rudell	Risk assessment for delayed sunburn and sunscald	16-18	70,865		72,595
3	198	Schmidt	Crop load and canopy management: <i>Final report</i>	<i>Internal</i>			-
3		Schmidt	WTFRC Technology projects (See Appendix)	17			-
3	209	DuPont	How do we measure and manage soil health for productive orchards?	17-19	48,884		51,258
3	216	Amiri	Evaluation of fungicide application methods for improved fruit quality: <i>2nd year report</i>	16-17	73,767	6,300	-
3	221	Amiri	Improved risk assessment and management of apple postharvest diseases	16-18	67,534		67,635
	227	Willett	Apple rootstock and scion evaluation: <i>Written report only</i>	<i>Internal</i>		110,165	50,200
4:15			Break				
Meet & Greet with Scientists: 4:30 - 5:30							
Dinner presentation/discussion: Kate Evans, "Apple Scion Breeding Program" 6:00pm - 7:30pm							
2017 funding					939,654	107,123	

Apple Funding

2018 Continuing funding requests

730,634

2018 New project requests

970,281

2018 Total requests

1,700,915

Time	Page	Thursday, January 25, 2018						
7:00		Apple Horticulture/Postharvest Committee: breakfast, breeding program voting and continuing project discussion						
	231	Apple scion breeding program			18-20	223,262	37,100	268,142
8:00		Adjourn						