

APPLE HORTICULTURE/POSTHARVEST RESEARCH REVIEW							2018 Funding			
Wednesday, January 23, 2019							Yrs	Cooperator Funding	WTFRC Staff Funding	2019 Request
Time	Page	PI								
8:00		Hanrahan	Welcome - Introductions and housekeeping							
<b>Final Reports</b>										
8:15	1	Mazzola	Managing rhizosphere/soil microbiology via apple rootstock chemistry	16-18		52,000				
8:30	12	Mattheis	At-harvest protocols for apple fruit disorder and quality management	16-18		54,476				
8:45	22	Amiri	Improved risk assessment and management of apple postharvest diseases	16-18		67,635				
	29	Zhu	Ozone in apple storage: microbial safety and decay management: <b>Written report only</b>	16-17		-				
	38	Critzer	Understanding/managing the food safety risk of packline brushbeds: <b>Written report only</b>	17		-				
<b>New Proposals</b>										
9:00	49	Ganjyal	Increasing the efficacy of antimicrobial chemicals with surfactants	19-20					47,138	
9:15	58	Musacchi	Identification of fire blight resistant pollinizers for apple orchards	19-21					118,811	
9:30	68	Rudell	Reducing carbon dioxide-related postharvest disorders	19-21					79,314	
9:45	76	Serra	Pollination, flower biology and fruit development in WA38 apples	19-20					67,156	
10:00	<b>Break</b>									
10:15	86	Zhu	Bacterial community of apple under cold storage-a metagenomic approach	19-21					111,898	
10:30	96	Honaas	Apple genomes for postharvest fruit quality biomarkers	19-21					87,142	
10:45	105	Zhu	Listeria survival on WA 38 during packing and subsequent storage	19-21					106,035	
11:00	114	Musacchi	Optimizing harvest time for WA38	19					95,419	
11:15	125	Dhingra	Systems based approach to understand bitterpit in apple	19-21					86,847	
11:30	136	Rudell	Non-destructive detection of sun stress compromised apples	19-21					88,947	
11:45	143	Musacchi	Improving fruit set in WA38 with the use of AVG	19-21					75,236	
12:00	154	Critzer	Critical limits for antimicrobials in dump tank systems	19-21					86,183	
12:15	160	Hanrahan	Food Safety update	Internal					18,605	
12:30 - 3:00	<b>Committee lunch: New proposal scoring</b>									
<b>Continuing Projects: 3:15 - 5:15</b>										
1	164	Ganjyal	Improving food safety by hot air impingement drying: <b>No-cost extension</b>	15-17					-	
1	168	Ganjyal	Complying with the FSMA preventative controls for human food rule: <b>No-cost extension</b>	17-18		50,260			-	
1	174	Zhu	Control of <i>Listeria</i> on processing surfaces in apple packing facilities	17-19		94,700	8,867		105,882	
1	181	Critzer	Systems-based approach for improved packinghouse sanitation	18-20		55,497	12,288		71,399	
1	187	Critzer	Utility of rapid tools to assess cleanliness in apple packinghouses	18-19		45,813	10,212		56,525	
1	192	Zhu	Fate of Listeria on apples at ozone and controlled atmosphere storage	18-20		98,470	22,133		121,797	
1	200	Musacchi	WA38 fruit and dry matter for fruit quality/consumer preference: <b>Out-of-cycle funding</b>	17-19		83,751			-	
1	207	Hanrahan	Improving apple fruit quality and postharvest performance	Internal			29,784		-	
1	214	Rudell	Reducing scald after long-term CA storage: <b>No-cost extension</b>	16-18		66,208	6,300		-	
1	221	Rudell	Risk assessment for delayed sunburn and sunscald: <b>No-cost extension</b>	16-18		72,595			-	
2	228	Evans	Apple scion breeding program: <b>Final report with 1-yr. extension</b>	18-20		219,998	55,673		-	
2	244	Kalcsits	Control of fruit size and bitterpit on Honeycrisp using irrigation	17-19		74,199			84,972	
2	252	DuPont	How do we measure and manage soil health for productive orchards?	17-19		51,258			51,686	
2	259	Amiri	Evaluation of fungicide application methods: <b>Final report</b>	16-17					-	
2	268	Kalcsits	How does fruit acclimation to sunburn affect sunburn management?	18-19		86,621			87,846	
2	275	Kalcsits	Optimizing light and water for orchards covered with netting	18-19		87,671	11,570		89,176	
2	283	Lewis	WA38 demonstration trial block	18-19		14,300	16,214		13,100	
2	289	Schmidt	Crop load and canopy management of WA tree fruit	Internal			53,783		3,120	
2	296	Schmidt	WTFRC apple pesticide residue study	Internal			15,700			
2		Schmidt	WTFRC Technology projects (See Appendix)	18						
	300	Harper	Understanding decline on select apple scion-rootstock combinations: <b>Written report only</b>	18-19		60,200			55,979	
	306	Willett	Apple rootstock and scion evaluation; <b>Written report only</b>	Internal			40,970			
<b>Meet &amp; Greet with Scientists: 5:45 - 6:30</b>										
6:30 - 8:00	Dinner and presenter: Mark Mazzola, "Ever-changing lessons from the underground: myth busting over 25 years"									
2018 funding							1,161,541	283,494		

APPLE HORTICULTURE AND POSTHARVEST RESEARCH REVIEW	
Thurs. January 24, 2019	
8:00 - 9:30	Committee Meeting: Continuing report discussion/research priorities

#### Apple Funding

2019 Continuing funding requests  
2019 New project requests  
**2019 Total requests**

741,482  
1,068,731  
**1,810,213**