

Northwest Pear Research Review

Yakima Convention Center, Yakima

Wednesday, February 19: Yakima Pom Club meeting, 5:30pm at Zesta Cucina, West Yakima.

Thursday, February 20, 2020						
Time	Page	Presenter	Title	Yrs	2020 Funding	2021 Request
8:00		Schmidt	Welcome/Housekeeping			
Industry Updates						
8:05		Gix	Pear Research Review business/EU Automation/Mechanization study trip			
8:15		Godwin	EAC update			
8:25		Castagnoli	OSU-MCAREC update			
8:35		Moffitt	Pear Bureau update			
	1	McClain	California Pear update (written report only)			
Continuing Projects						
8:45		Mendoza	WTFRC technology projects (See Appendix)*	20	46,797	197,749
8:55	3	Crowder	Acoustically based mating disruption of winterform psylla: NCE	18-20	53,166	-
9:05	11	Cooper	Using transcriptomics to target key behaviors of pear psylla	19-21	10,000	10,750
9:15	17	Northfield	Enhancing pear psylla biological control through predator recruitment: NCE	20	51,325	-
9:25	20	Schmidt-Jeffris	Incorporating trechnites into a psylla biocontrol program	20-22	39,839	39,542
9:35	28	Nottingham	Improving pear pest management with integrated approaches	20-22	110,363	114,718
9:45	35	KC	Epidemiology and management of pear gray mold in the PNW	20-22	99,768	108,781
9:55	43	Johnson	Refinement of fire blight control strategies: buffered oxytetracycline : NCE	19-20	24,686	-
10:05			Break			
10:20	50	Einhorn	Field evaluation of pear cultivars on cold hardy quince rootstocks: Videoconference	19-21	70,585	84,421
10:30	58	Dhingra	Evaluating the dwarfing capacity of 65 diverse pear accessions	20-22	40,081	40,323
10:40	65	Kalcsits	Optimizing irrigation frequency and timing to improve fruit quality	19-21	64,537	89,794
10:50	73	Thompson	Fine tuning calcium application rates for cork spot	20-22	22,969	19,907
11:00	80	Rudell	New active ingredients for pear superficial scald control	20-22	84,893	86,893
11:10	87	Evans	Pear rootstock breeding	20-22	104,731	108,371
		Murray	IPM strategic planning for pears in WA and OR (no report): NCE	20		-
11:30 - 1:00			Working lunch - Industry discussion of proposed pear scion breeding program			
Final reports						
1:00	94	Nottingham	Integrated fruit production for pears	17-19	NCE	
1:10	106	Honaas	Functional genomics of 'D'Anjou' pear fruit quality and maturity	18-19	NCE	
1:20	118	Postman	Interstem grafts to evaluate pear germplasm for dwarfing potential/status of replacement	18-19	NCE	
1:35	128	DuPont	Fire blight management: new products and effective rates	18-20	14,256	
1:50	138	Dhingra	Greenhouse screening of 49 dwarf rootstock candidates	18-20	20,037	
2:05	144	Dong	Mechanisms and practical solutions to control scald of pears	18-20	40,061	
2:20	155	Cooper	Erythritol: an artificial sweetener with insecticidal properties	20	19,932	
2:35	163	Hanrahan	Food safety update			
2:45	167	KC	Epidemiology & management of postharvest decay on pears	17-19	NCE	
2:55 - 3:30		Amiri/KC	Research Showcase: Postharvest Pathology - Current efforts & future directions			
3:30			Break			
New Project Proposals						
3:45	176	Nottingham	Developing a phenology-based management program for pear psylla	21-23		89,984
4:00	185	Serrano	Identification of pear tree volatiles attractive to winterform psylla	21-23		30,000
4:15	192	DuPont	Fire blight product testing for effective recommendations	21-23		14,255
4:30	198	Zurn	DNA tests to streamline breeding for fire blight resistance in pears	21		35,000
4:45	205	Torres	Non-destructive sorting of pears to improve product consistency	21-22		89,481
5:00	213	Dong	Assessing new technologies to improve Anjou and Bartlett pear quality	21-22		50,720
5:15 - 6:00			Meet & Greet Social			
6:00			Adjourn - Dinner on your own			

FY 2020 funding

918,026

Research Funding Requests

Total new project requests	309,440
Continuing project requests:	703,500
Pear-related technology funding	197,749
Total funding requests	1,210,689

NCE = No-cost extension

* Represents projects funded (or requested) entirely or partially by pear only